Carryl MacLeod
Project Manager
Marketing Business Unit

Chevron Environmental Management Company
6101 Bollinger Canyon Road
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November 5, 2015

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

Re: Former Standard Oil Service Station 307233
2259 First Street
Livermore, California
ACEHS Case RO0002908

I accept the *Sampling Results Report*.

I agree with the scope of work presented in this document. The information included is accurate to the best of my knowledge, and appears to meet local agency and Regional Board guidelines. This document was prepared by GHD Services, Inc., upon whose 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,

Carryl MacLeod
Project Manager

Attachment: *Sampling Results Report*

November 5, 2015 Reference No. 312264

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

Re: Sampling Results Report
Former Standard Oil 307233
2259 First Street
Livermore, California
ACEH Case No. RO0002908

Dear Mr. Wickham:

GHD Services Inc. (GHD), formerly Conestoga-Rovers & Associates (CRA), is submitting this *Sampling Results Report* for the former Standard Oil site referenced above (Figure 1) on behalf of Chevron Environmental Management Company (CEMC). In correspondence dated June 4, 2015 (Attachment A), ACEH approved CRA's *Work Plan for Lead Delineation in Soil*. Subsequent ACEH correspondence dated August 27, 2015 (Attachment A) approved an extension for the submittal of this report and the forthcoming Interim Remedial Action Plan. A summary of the lead delineation investigation activities and results is presented below.

Lead Investigation Activities

On September 14 through 17, 2015, GHD oversaw Gregg Drilling and Testing of Martinez, California advance onsite borings HA-8 through HA-28 (Figure 2) and offsite boring SB-13 (Figure 3). Work was conducted under Zone 7 Water Agency drilling permit 2015108 and City of Livermore encroachment permit EN150185 (Attachment B).

Onsite Soil Sampling

All onsite borings were advanced using an air-knife and/or a hand-auger to the depths specified in the work plan except for HA-18. An obstruction (large rock or concrete) was encountered at approximately 4.5 fbg in HA-18. The boring location was moved approximately 4 feet to the north but refusal was again met at approximately 4.5 fbg. Two soil samples were collected from HA-18 at 2.5 and 4 fbg. Additional alternative locations were not possible due to the presence of utilities and trees in the area.

Two to three soil samples were collected from each onsite location depending on the total depth of each boring (two samples for borings less than 4 fbg and three samples for borings greater than

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4 fbg). The first sample was collected near the planned finished grade of 490 amsl. Subsequent samples were collected at the mid-point (if depth is greater than 4 fbg) and at bottom of each boring.

Samples were collected in 6-inch long, 2-inch diameter brass or stainless steel sleeves, capped with Teflon squares and plastic end caps, labeled, entered onto a chain-of-custody form, packed on ice, and sent to a state-certified laboratory for lead analysis by EPA Method 6010. Results are summarized in Table 1 and boring logs are presented as Attachment C. The laboratory analytical report is included as Attachment D. Further discussion of the analytical results will be presented in the forthcoming Interim Remedial Action Plan (IRAP).

Sample locations were backfilled with clean sand and grout per Zone 7 requirements.

Hydropunch Grab-Groundwater Sampling

In order to delineate the downgradient extent of petroleum hydrocarbons in shallow groundwater, one direct push soil boing was placed in the first parking stall near the corner of First Street and South J Street (Figure 3). The boring was hand-cleared to 8 fbg with an air-knife and then advanced to 35 fbg with a direct push rig for collection of a hydropunch grab-groundwater sample. Soil was continuously logged and screened in the field with a photoionization detector. Similar to the onsite shallow wells, a zone of alternating fines and gravel was encountered from 22 fbg to 30 fbg. The layers of fines were no thicker than 2 inches and some, but not all, of the fine layers were wet. A temporary well was set and left in the open borehole to allow groundwater to accumulate; however, no groundwater was noted in the borehole after waiting for approximately one hour. It should be noted that several of the onsite shallow wells have recently gone dry, likely due to the ongoing drought, indicating that first encountered groundwater is limited. In-lieu of a groundwater sample, a soil sample was collected from the bottom of the borehole, entered onto a chain-of-custody form, packed on ice, and sent to a state-certified laboratory for the following chemical analyses:

- Total Petroleum Hydrocarbons as Gasoline by EPA Method 8260
- Benzene, Toluene, Ethylbenzene, and Xylenes (BTEX) by EPA Method 8260
- Methyl Tertiary Butyl Ether (MTBE) by EPA Method 8260

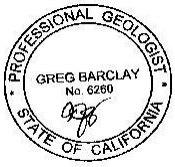
Analytical results are summarized in Table 1 and the boring log is included as Attachment C. The laboratory analytical report is included as Attachment D.

As mentioned above, further discussion of the analytical results from this investigation will be included in the forthcoming IRAP.

Please contact Brian Silva at (916) 889-8908 if you have any questions or require additional information.

Sincerely,

GHD



Brian Silva

Greg Barclay, PG 6260

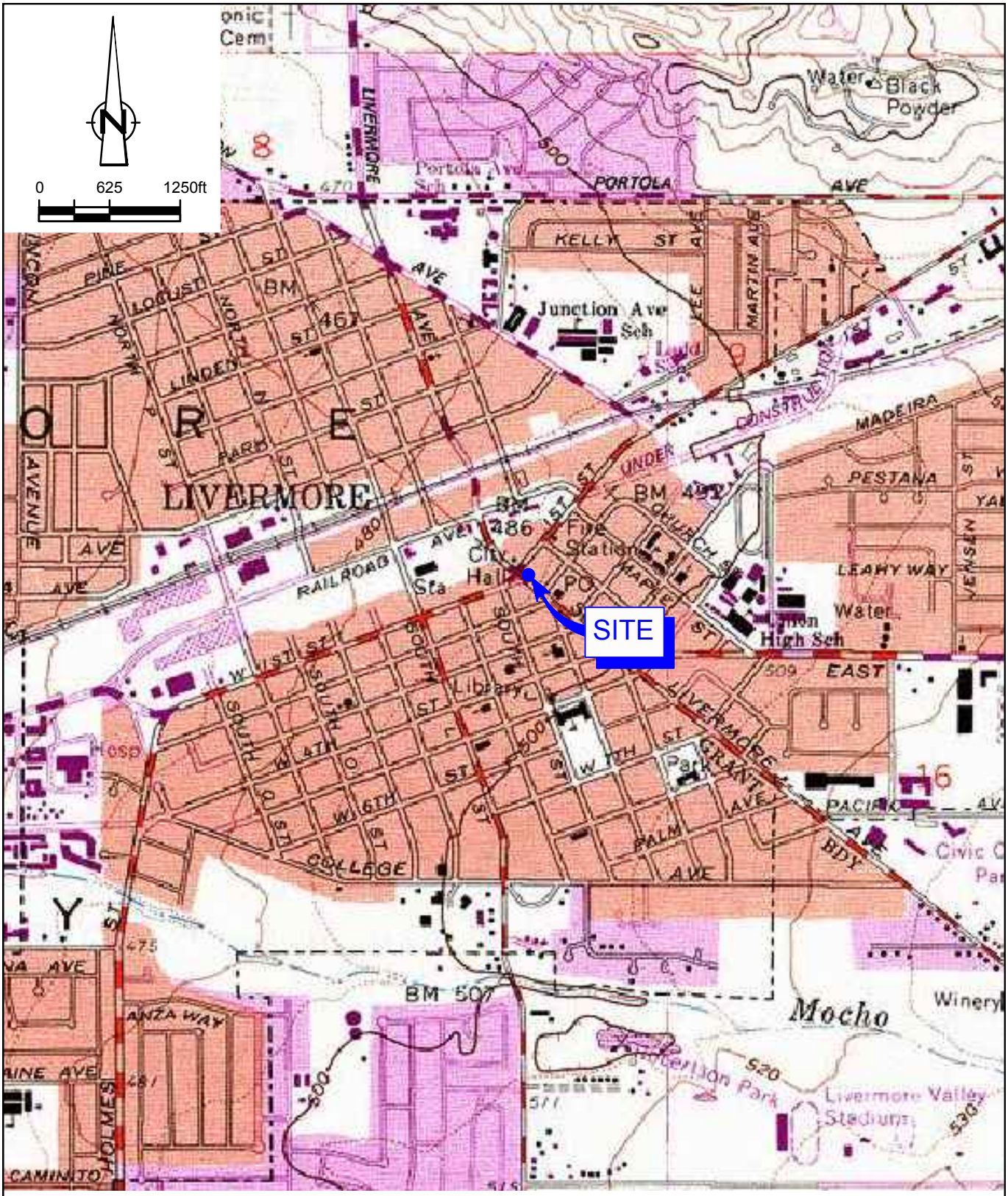
BAS/de/37

Encl.

Figure 1	Site Location Map
Figure 2	Site Map
Table 1	Cumulative Soil Analytical Data
Attachment A	ACEH Correspondence
Attachment B	Permits
Attachment C	Boring Logs
Attachment D	Laboratory Analytical Report

cc: Carryl MacLeod, Chevron (*electronic only*)
Eric Uranaga, City of Livermore Community Development

Figures

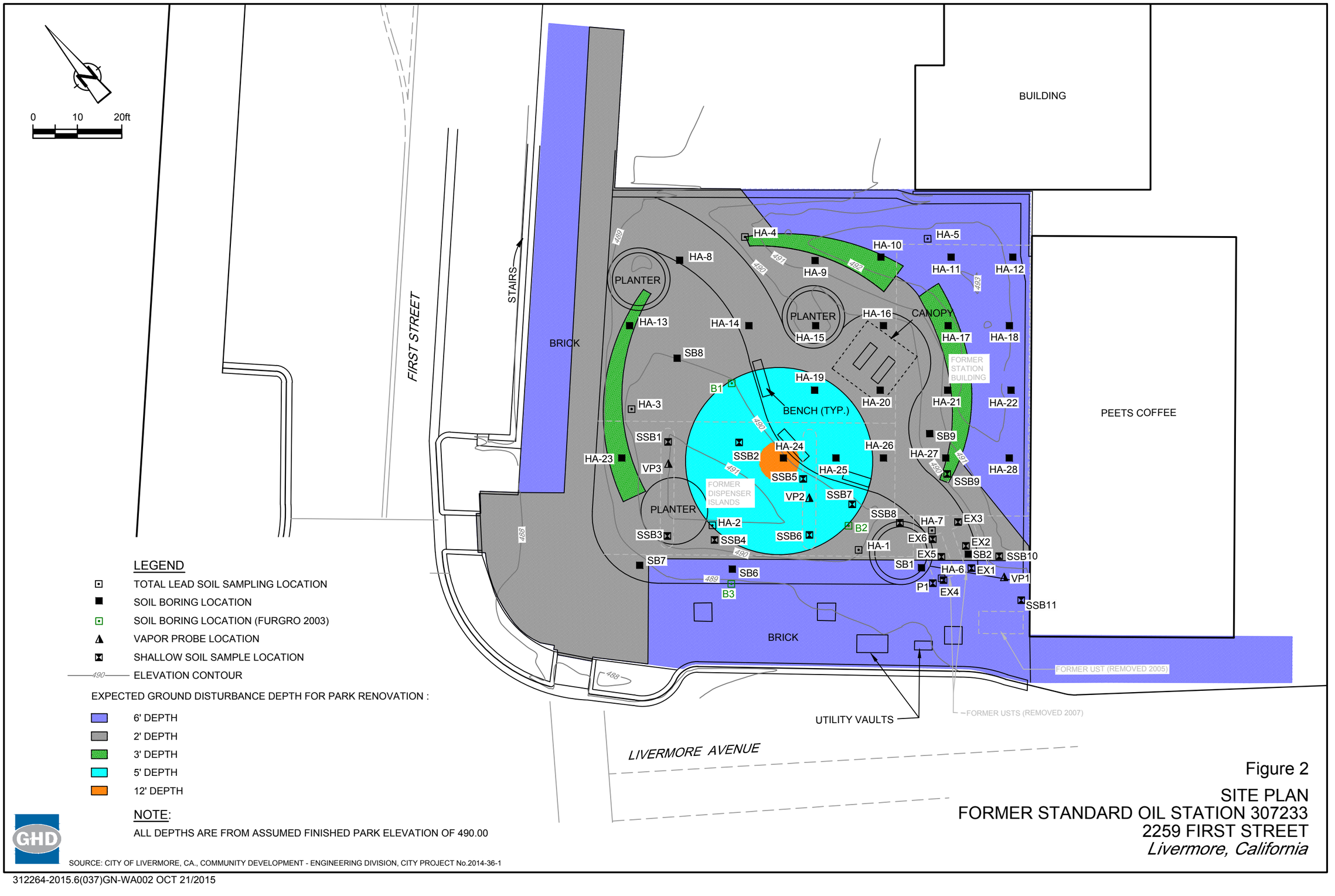


SOURCE: TOPO! MAPS.

Figure 1

VICINITY MAP
FORMER STANDARD OIL STATION 307233
2259 FIRST STREET
Livermore, California

GHD



LEGEND

- TOTAL LEAD SOIL SAMPLING LOCATION
- SOIL BORING LOCATION
- SOIL BORING LOCATION (FURGRO 2003)
- VAPOR PROBE LOCATION
- SHALLOW SOIL SAMPLE LOCATION
- 490 ELEVATION CONTOUR

EXPECTED GROUND DISTURBANCE DEPTH FOR PARK RENOVATION :

- 6' DEPTH
- 2' DEPTH
- 3' DEPTH
- 5' DEPTH
- 12' DEPTH

NOTE:

ALL DEPTHS ARE FROM ASSUMED FINISHED PARK ELEVATION OF 490.00

SOURCE: CITY OF LIVERMORE, CA., COMMUNITY DEVELOPMENT - ENGINEERING DIVISION, CITY PROJECT No.2014-36-1

Figure 2

SITE PLAN
FORMER STANDARD OIL STATION 307233
2259 FIRST STREET
Livermore, California

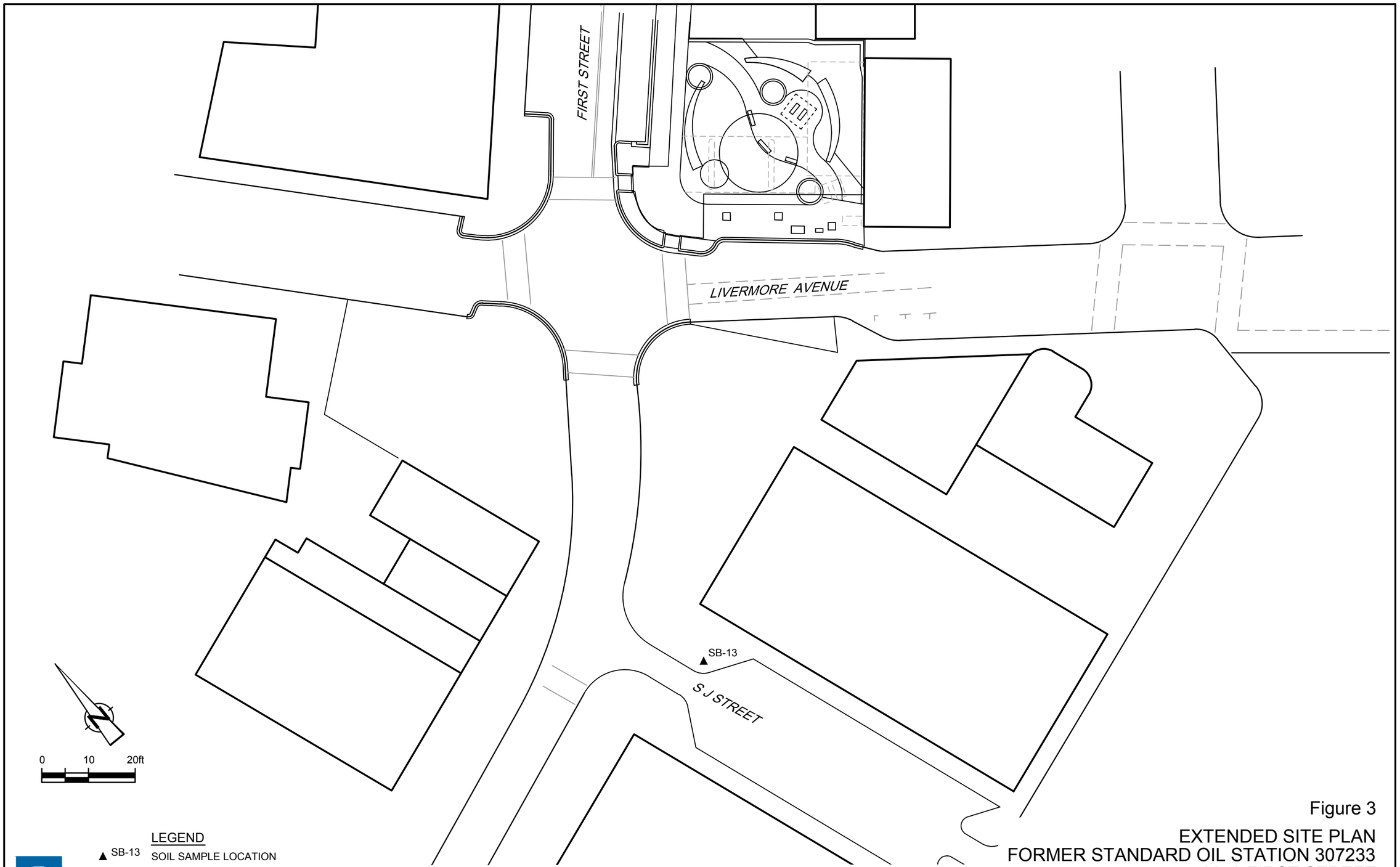


Figure 3

EXTENDED SITE PLAN
FORMER STANDARD OIL STATION 307233
2259 FIRST STREET
Livermore, California

SOURCE: CITY OF LIVERMORE, CA., COMMUNITY DEVELOPMENT - ENGINEERING DIVISION, CITY PROJECT No.2014-36-1

Table

TABLE 1

CUMULATIVE SOIL ANALYTICAL DATA
FORMER STANDARD OIL SERVICE STATION 30-7233
2259 FIRST STREET, LIVERMORE, CALIFORNIA

Sample ID	Date	Depth (fbg)	TPHmo	TPHd	TPHg	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	OXYs	Pb
			Reported in milligrams per kilogram (mg/kg)									
ESL												
Table G	Soil Leaching Screening Level (Drinking Water Sourse) [a]		83	83	83	0.044	2.9	3.3	2.3	0.023	Varies	NE
Table K-2	Direct Exposure Commercial/Industrial Worker		3,700	450	450	0.27	210	5	100	65	Varies	320
Table K-3	Direct Exposure Construction/Trench Worker [c]		12,000	4,200	4,200	12	650	210	420	2,800	Varies	320
OEHAA	Residential Land Use		-	-	-	-	-	-	-	-	-	80
OEHAA	Commercial Land Use		-	-	-	-	-	-	-	-	-	260
2003 Fugro Subsurface Investigation												
B-1	09/17/2003	3.0	--	--	--	--	--	--	--	--	--	21
B-1	09/17/2003	25.5	<50	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	--	--
B-2	09/17/2003	3.0	--	--	--	--	--	--	--	--	--	**3,700****
B-2	09/17/2003	15.5	--	--	<1.0	<0.005	<0.005	<0.005	<0.005	--	--	--
B-2	09/17/2003	30.0	<50	9.6	3.5	<0.005	<0.005	<0.005	<0.005	<0.005	--	--
B-3	09/17/2003	3.0	--	--	--	--	--	--	--	--	--	4.8
B-3	09/17/2003	25.5	<50	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	--	--
2005 Consolidated Engineering Tank Pull												
Sample (1) LFD	09/20/2005	3.0	<2,500	**4,100**	--	<0.017	<0.017	<0.017	<0.017	<0.017	ND	--
Sample (2)	09/20/2005	3.0	<250	**1,300**	--	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	ND	--
Sample (3)	09/20/2005	3.0	<200	**670**	--	<0.022	<0.022	<0.022	<0.022	<0.022	ND	--
Sample (4)	09/20/2005	3.0	<50	1.0	<1.000	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	ND	--
Sample (5)	09/20/2005	3.0	54	**140**	<1.000	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	ND	--
Sample (6)	09/20/2005	3.0	<50	2.1	3	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	ND	--
October 2006 Subsurface Investigation												
SB-1	10/26/2006	10.0	<10	<10	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	ND	--
SB-1	10/26/2006	15.0	**350**	**140**	15	<0.0005	<0.001	<0.001	<0.001	<0.0005	ND	--
SB-1	10/26/2006	22.0	**1,400**	**780**	**2,800**	<0.062	2.1	**7.5**	<0.12	<0.062	ND	--
SB-1	10/26/2006	26.0	**390**	**590**	**1,100**	**0.62**	0.19	**5.5**	**19**	<0.062	ND	--
SB-1	10/26/2006	32.0	**94**	**120**	**180**	**2.0**	**17**	**13**	**65**	<0.063	ND	--
SB-1	10/26/2006	35.5	67	**99**	**1,200**	**1.0**	**5.5**	2.7	**16**	<0.062	ND	--
SB-1	10/26/2006	39.5	<10	20	**1,000**	**0.90**	0.93	2.5	**11**	<0.063	ND	--
SB-3	10/23/2006	10.0	<10	<10	<1.0	<0.0005	0.001	<0.001	0.002	<0.0005	ND	--
SB-3	10/23/2006	15.0	<10	<10	<1.0	<0.0005	<0.001	<0.001	0.002	<0.0005	ND	--
SB-3	10/23/2006	21.0	<20	82	**1,800**	<0.062	<0.12	**4.8**	**15**	<0.062	ND	--
SB-3	10/23/2006	25.0	88	**3,000**	**8,700**	**14**	**410**	**120**	**770**	<0.31	ND	--
SB-3	10/23/2006	30.0	<20	**230**	**5,400**	**3.2**	**68**	**40**	**250**	<0.062	ND	--
SB-3	10/23/2006	35.0	<10	17	**630**	**0.080**	<0.12	0.56	1.1	<0.062	ND	--
SB-3	10/23/2006	39.5	<20	62	**130**	**0.23**	1.5	0.81	**5.5**	<0.063	ND	--
SB-4	09/12/2006	5.0	<18	33	1.3	<0.0005	<0.001	<0.001	<0.001	<0.0005	ND	--
SB-4	09/12/2006	10.0	<20	28	2.8	<0.0005	<0.001	<0.001	<0.001	<0.0005	ND	--
SB-4	09/12/2006	15.0	<20	<12	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	ND	--
SB-4	09/12/2006	20.0	<20	<10	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	ND	--
SB-4	09/12/2006	25.0	<20	24	**310**	<0.003	<0.005	0.008	<0.005	<0.003	ND	--
SB-4	09/12/2006	27.5	<20	**260**	**1,600**	**0.10**	0.14	**4.5**	**19**	<0.062	ND	--
SB-4	09/12/2006	30.0	<20	<12	22	0.003	<0.005	0.014	0.007	<0.002	ND	--
SB-4	09/12/2006	35.0	<20	45	**320**	<0.063	<0.13	<0.13	<0.13	<0.063	ND	--
SB-4	09/12/2006	39.5	<16	<10	1.2	**0.15**	<0.001	<0.001	<0.001	<0.0005	ND	--
SB-5	10/24/2006	10.0	<10	<10	<1.0	<0.0005	0.001	<0.001	0.002	<0.0005	ND	--
SB-5	10/26/2006	15.0	<10	<10	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	ND	--
SB-5	10/26/2006	19.5	**560**	**700**	27	<0.0005	<0.001	<0.001	0.001	<0.0005	ND	--

CUMULATIVE SOIL ANALYTICAL DATA
FORMER STANDARD OIL SERVICE STATION 30-7233
2259 FIRST STREET, LIVERMORE, CALIFORNIA

Sample ID	Date	Depth (fbg)	TPHmo	TPHd	TPHg	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	OXYs	Pb
			Reported in milligrams per kilogram (mg/kg)									
ESL												
Table G	Soil Leaching Screening Level (Drinking Water Sourse) [a]		83	83	83	0.044	2.9	3.3	2.3	0.023	Varies	NE
Table K-2	Direct Exposure Commercial/Industrial Worker		3,700	450	450	0.27	210	5	100	65	Varies	320
Table K-3	Direct Exposure Construction/Trench Worker [c]		12,000	4,200	4,200	12	650	210	420	2,800	Varies	320
OEHAA	Residential Land Use		-	-	-	-	-	-	-	-	-	80
OEHAA	Commercial Land Use		-	-	-	-	-	-	-	-	-	260
SB-5	10/26/2006	26.0	**450**	**620**	**1,100**	**0.78**	<0.13	**8.5**	**12**	<0.063	ND	--
SB-5	10/26/2006	30.0	**140**	**320**	**950**	<0.062	<0.12	1.1	2.0	<0.062	ND	--
SB-5	10/26/2006	34.0	**290**	**630**	**3,100**	**17**	**67**	**38**	**130**	<0.13	ND	--
SB-5	10/26/2006	39.5	<10	80	**1,400**	**5.4**	2.6	**13**	**73**	<0.062	ND	--
2007 Tank Pull												
EX1	06/20/2007	7.0	<580	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	ND	4.98
EX2	06/20/2007	7.0	<580	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	ND	3.29
EX3	06/20/2007	7.0	<580	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	ND	5.13
EX4	06/20/2007	8.0	**11,000**	**2,800**	<1.0	<0.0005	0.001	<0.001	<0.001	<0.0005	ND	**1,170**
EX4	06/20/2007	9.0	**3,100**	**1,400**	<100	<0.0005	<0.001	<0.001	0.004	<0.0005	ND	**1,470**
EX5	06/20/2007	8.0	<580	**100**	<10	<0.0005	<0.001	<0.001	<0.001	<0.0005	ND	190
EX6	06/20/2007	8.0	**3,000**	**1,300**	<400	<0.0005	<0.001	<0.001	<0.001	<0.0005	ND	**1,500**
P1	06/20/2007	5.0	<580	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	ND	27.1
2008 Subsurface Investigations												
CPT1	02/05/2008	21.0	<10	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	ND	--
CPT1	02/05/2008	36.0	**380**	**100**	1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	ND	--
CPT2	02/04/2008	22.0	<10	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	ND	--
CPT2	02/04/2008	30.0	<10	27	4.4	<0.026	<0.052	1.1	0.18	<0.026	ND	--
CPT2	02/04/2008	35.0	<12	<4.0	1.3	0.0009	<0.001	<0.001	0.002	<0.0005	ND	--
CPT3	11/04/2008	18.5	<10	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	ND	--
CPT3	11/04/2008	35.5	<10	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	ND	--
CPT3	11/04/2008	55.5	<10	7.1	52	<0.024	<0.047	<0.047	<0.047	<0.024	ND	--
CPT4	11/05/2008	50.0	<10	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	ND	--
CPT5	11/03/2008	51.5	<10	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	ND	--
SB6	01/28/2008	1-8***	<10	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	ND	6.13
SB6	01/28/2008	9.5	<10	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	ND	6.39
SB6	01/28/2008	19.5	<10	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	ND	5.79
SB6	01/28/2008	24.0	<10	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	ND	10.9
SB7	01/28/2008	1-8***	<10	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	ND	8.57
SB7	01/30/2008	9.5	<10	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	ND	8.30
SB7	01/30/2008	19.5	<10	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	ND	4.70
SB7	01/30/2008	29.5	<10	<4.0	3.7	<0.0005	<0.001	<0.001	<0.001	<0.0005	ND	10.5
SB7	01/30/2008	34.5	<10	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	ND	11.6
SB8	01/28/2008	1-8***	53	18	<1.0	<0.0005	<0.0009	<0.0009	<0.0009	<0.0005	ND	21.9
SB8	01/31/2008	19.5	<10	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	ND	10.3
SB8	01/31/2008	29.5	<10	<4.0	1.2	<0.0005	<0.001	<0.001	<0.001	<0.0005	ND	8.29
SB8	01/31/2008	34.5	<10	67	**530**	<0.027	<0.054	0.10	<0.054	<0.027	ND	7.86
SB8	01/31/2008	39.5	<10	<4.0	<1.0	0.007	0.002	0.015	0.007	**0.039**	0.034[a]	8.93
SB9	01/28/2008	1-8***	32	13	1.3	<0.0005	<0.001	<0.001	<0.001	<0.0005	ND	13.5
SB9	01/29/2008	15.0	<10	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	ND	6.36

CUMULATIVE SOIL ANALYTICAL DATA
FORMER STANDARD OIL SERVICE STATION 30-7233
2259 FIRST STREET, LIVERMORE, CALIFORNIA

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Table K-3	Direct Exposure Construction/Trench Worker [c]		12,000	4,200	4,200	12	650	210	420	2,800	Varies	320
OEHAA	Residential Land Use		-	-	-	-	-	-	-	-	-	80
OEHAA	Commercial Land Use		-	-	-	-	-	-	-	-	-	260
SB9	01/29/2008	27.5	<10	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	ND	7.92
SB9	01/29/2008	34.5	<10	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	ND	12.3
SB9	01/29/2008	46.5	<10	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	ND	9.34
SB9	01/29/2008	54.5	<10	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	ND	5.77
SB10	10/23/2008	5.0	<10	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	ND	--
SB10	11/04/2008	16.0	<10	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	ND	--
SB10	11/04/2008	26.0	<10	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	ND	--
SB10	11/04/2008	36.0	<10	<4.0	<1.0	<0.0005	<0.0009	<0.0009	<0.0009	<0.0005	ND	--
SB10	11/04/2008	46.0	<10	4.2	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	ND	--
SB10	11/04/2008	56.0	<10	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	ND	--
SB10	11/04/2008	62.0	<10	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	ND	--
SB11	10/24/2008	5.0	<10	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	ND	--
SB11	11/03/2008	11.0	<10	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	ND	--
SB11	11/03/2008	16.0	<10	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	ND	--
SB11	11/03/2008	26.0	<10	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	ND	--
SB11	11/03/2008	36.0	<10	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	ND	--
SB11	11/03/2008	45.5	<10	<4.0	59	<0.0005	<0.0009	<0.0009	<0.0009	<0.0005	ND	--
SB11	11/03/2008	50.5	<10	25	59	<0.023	<0.045	<0.045	<0.045	<0.023	ND	--
SB11	11/03/2008	56.0	<10	45	**98**	<0.023	<0.047	<0.047	<0.047	<0.023	ND	--
SB11	11/03/2008	61.0	<10	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	ND	--
SB12	10/24/2008	5.0	<10	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	ND	--
SB12	11/03/2008	15.5	<10	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	ND	--
SB12	11/03/2008	25.5	<10	<4.0	120	<0.023	<0.046	<0.046	<0.046	<0.023	ND	--
SB12	11/03/2008	30.0	<10	34	58	<0.024	<0.047	<0.047	<0.047	<0.024	ND	--
SB12	11/03/2008	35.5	<10	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	ND	--
SB12	11/03/2008	45.5	<10	<4.0	1.3	0.0007	<0.001	<0.001	<0.001	<0.0005	ND	--
SB12	11/03/2008	50.5	<10	65	**1,200**	<0.023	<0.046	<0.046	<0.046	<0.023	ND	--
SB12	11/03/2008	55.5	<10	55	**1,300**	**1.1**	0.15	2.0	**3.7**	<0.024	ND	--
SB12	11/03/2008	60.5	<10	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	ND	--
SSB1	02/01/2008	1.5	--	--	--	--	--	--	--	--	--	9.52
SSB1	02/01/2008	2.5	--	--	--	--	--	--	--	--	--	52.9
SSB1	02/01/2008	4.5	--	--	--	--	--	--	--	--	--	7.34
SSB2	01/28/2008	1.5	--	--	--	--	--	--	--	--	--	17.4
SSB2	01/30/2008	2.5	--	11	1.2	<0.0005	<0.001	<0.001	<0.001	<0.0005	ND	40.6
SSB2	01/30/2008	4.5	--	4.4	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	ND	15.0
SSB2	01/30/2008	8.0	--	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	ND	7.45
SSB3	01/30/2008	1.5	--	--	--	--	--	--	--	--	--	42.8
SSB3	02/06/2008	3.0	--	--	--	--	--	--	--	--	--	52.4
SSB3	02/06/2008	5.0	--	--	--	--	--	--	--	--	--	42.2
SSB4	02/01/2008	1.5	--	--	--	--	--	--	--	--	--	10.2
SSB4	02/01/2008	2.5	--	--	--	--	--	--	--	--	--	**517**

CUMULATIVE SOIL ANALYTICAL DATA
FORMER STANDARD OIL SERVICE STATION 30-7233
2259 FIRST STREET, LIVERMORE, CALIFORNIA

Sample ID	Date	Depth (fbg)	TPHmo	TPHd	TPHg	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	OXYs	Pb
			Reported in milligrams per kilogram (mg/kg)									
ESL												
Table G	Soil Leaching Screening Level (Drinking Water Sourse) [a]		83	83	83	0.044	2.9	3.3	2.3	0.023	Varies	NE
Table K-2	Direct Exposure Commercial/Industrial Worker		3,700	450	450	0.27	210	5	100	65	Varies	320
Table K-3	Direct Exposure Construction/Trench Worker [c]		12,000	4,200	4,200	12	650	210	420	2,800	Varies	320
OEHAA	Residential Land Use		-	-	-	-	-	-	-	-	-	80
OEHAA	Commercial Land Use		-	-	-	-	-	-	-	-	-	260
SSB4	02/01/2008	4.5	--	--	--	--	--	--	--	--	--	**616**
SSB4	02/01/2008	9.0	--	--	--	--	--	--	--	--	--	90.8
SSB5	02/06/2008	1.5	--	--	--	--	--	--	--	--	--	18.2
SSB5	02/06/2008	3.0	--	--	--	--	--	--	--	--	--	47.5
SSB5	02/06/2008	5.5	--	--	--	--	--	--	--	--	--	117
SSB5	02/06/2008	7.0	--	--	--	--	--	--	--	--	--	63.5
SSB6	02/06/2008	1.5	--	--	--	--	--	--	--	--	--	14.3
SSB6	02/06/2008	3.0	--	--	--	--	--	--	--	--	--	98.9
SSB7	02/06/2008	1.5	--	--	--	--	--	--	--	--	--	13.0
SSB7	02/06/2008	3.5	--	--	--	--	--	--	--	--	--	9.73
SSB7	02/06/2008	5.5	--	--	--	--	--	--	--	--	--	4.60
SSB7	02/06/2008	7.0	--	--	--	--	--	--	--	--	--	3.97
SSB8	02/01/2008	1.5	--	--	--	--	--	--	--	--	--	168
SSB8	02/01/2008	4.5	--	--	--	--	--	--	--	--	--	160
SSB8	02/01/2008	9.5	--	--	--	--	--	--	--	--	--	33.8
SSB9	02/06/2008	1.5	--	--	--	--	--	--	--	--	--	189
SSB9	02/06/2008	3.0	--	--	--	--	--	--	--	--	--	15.0
SSB9	02/06/2008	5.0	--	--	--	--	--	--	--	--	--	6.24
SSB9	02/06/2008	9.0	--	--	--	--	--	--	--	--	--	6.36
SSB10	01/31/2008	1.5	--	--	--	--	--	--	--	--	--	38.9
SSB10	02/06/2008	3.0	--	--	--	--	--	--	--	--	--	67.2
SSB10	02/06/2008	5.0	--	--	--	--	--	--	--	--	--	5.00
SSB10	02/06/2008	9.0	--	--	--	--	--	--	--	--	--	9.34
SSB11	02/06/2008	1.5	--	--	--	--	--	--	--	--	--	9.67
SSB11	02/06/2008	3.0	--	--	--	--	--	--	--	--	--	4.86
SSB11	02/06/2008	5.0	--	--	--	--	--	--	--	--	--	3.90
SSB11	02/06/2008	8.5	--	--	--	--	--	--	--	--	--	5.62
VP1	02/01/2008	4.5	<10	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	ND	6.10
VP1	02/01/2008	8.0	<10	<4.0	<1.0	<0.0005	<0.0009	<0.0009	<0.0009	<0.0005	ND	9.03
VP2	02/01/2008	4.5	54	25	<1.0	<0.0005	<0.0009	<0.0009	<0.0009	<0.0005	ND	75.4
VP2	02/01/2008	9.5	<10	<4.0	<1.0	<0.0005	<0.0009	<0.0009	<0.0009	<0.0005	ND	15.6
VP3	02/01/2008	4.5	<10	<4.0	1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	ND	6.12
VP3	02/01/2008	8.0	<10	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	ND	4.22
2010 CRA Well Installation												
MW-1	03/29/2010	4.0	<10	<4.0	<1.0	<0.0005	<0.0009	<0.0009	<0.0009	--	--	--
MW-1	04/07/2010	9.5	<10	<4.0	<1	<0.0005	<0.001	<0.001	<0.001	--	--	--
MW-1	04/07/2010	14.5	<10	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001	--	--	--
MW-1	04/07/2010	19.5	<10	<4.0	<0.9	<0.0005	<0.001	<0.001	<0.001	--	--	--
MW-1	04/07/2010	24.5	<10	<4.0	<1	<0.0005	<0.001	<0.001	<0.001	--	--	--

CUMULATIVE SOIL ANALYTICAL DATA
FORMER STANDARD OIL SERVICE STATION 30-7233
2259 FIRST STREET, LIVERMORE, CALIFORNIA

Sample ID	Date	Depth (fbg)	TPHmo	TPHd	TPHg	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	OXYs	Pb
			Reported in milligrams per kilogram (mg/kg)									
ESL												
Table G	Soil Leaching Screening Level (Drinking Water Sourse) [a]		83	83	83	0.044	2.9	3.3	2.3	0.023	Varies	NE
Table K-2	Direct Exposure Commercial/Industrial Worker		3,700	450	450	0.27	210	5	100	65	Varies	320
Table K-3	Direct Exposure Construction/Trench Worker [c]		12,000	4,200	4,200	12	650	210	420	2,800	Varies	320
OEHAA	Residential Land Use		-	-	-	-	-	-	-	-	-	80
OEHAA	Commercial Land Use		-	-	-	-	-	-	-	-	-	260
MW-1	04/07/2010	29.5	<10	31	**310**	<0.025	<0.049	<0.049	<0.049	--	--	--
MW-1	04/07/2010	34.5	<10	<4.0	<1.0	0.0005	<0.001	<0.001	<0.001	--	--	--
MW-1	04/07/2010	39.5	<10	<4.0	6.8	<0.0005	<0.001	<0.001	<0.001	--	--	--
MW-1	04/07/2010	44.5	<10	<4.0	5.0	<0.0005	<0.001	<0.001	<0.001	--	--	--
MW-1	04/07/2010	49.5	<10	<4.0	<1	<0.0005	<0.001	<0.001	<0.001	--	--	--
MW-1	04/07/2010	54.5	<10	<4.0	<0.9	<0.0005	<0.001	<0.001	<0.001	--	--	--
MW-1	04/07/2010	59.5	<10	<4.0	<1	<0.0005	<0.0009	<0.0009	<0.0009	--	--	--
MW-2	04/05/2010	9.5	<10	<4.0	<1	<0.0005	<0.0009	<0.0009	<0.0009	--	--	--
MW-2	04/05/2010	14.5	<10	<4.0	<1	<0.0005	<0.0009	<0.0009	<0.0009	--	--	--
MW-2	04/05/2010	19.5	<10	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001	--	--	--
MW-2	04/05/2010	24.5	<10	<4.0	<0.9	<0.0005	<0.0009	<0.0009	<0.0009	--	--	--
MW-2	04/05/2010	29.5	<10	<4.0	<1	<0.0005	<0.001	<0.001	<0.001	--	--	--
MW-2	04/05/2010	34.5	<10	<4.0	<1.0	<0.0005	<0.0009	<0.0009	<0.0009	--	--	--
MW-2	04/05/2010	39.5	<10	<4.0	<1	<0.0005	<0.0009	<0.0009	<0.0009	--	--	--
MW-2	04/05/2010	44.5	<10	<4.0	<1	<0.0005	<0.001	<0.001	<0.001	--	--	--
MW-2	04/05/2010	49.5	<10	<4.0	<1.1	<0.0005	<0.001	<0.001	<0.001	--	--	--
MW-2	04/05/2010	54.5	<10	<4.0	<1	<0.0005	<0.001	<0.001	<0.001	--	--	--
MW-2	04/05/2010	59.5	<10	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001	--	--	--
MW-3	03/30/2010	5.0	<10	8.8	<1.0	<0.0005	<0.001	<0.001	<0.001	--	--	--
MW-3	04/06/2010	9.5	<10	<4.0	<0.9	<0.0005	0.002	<0.001	<0.001	--	--	--
MW-3	04/06/2010	14.5	<10	<4.0	<1	<0.0005	<0.001	<0.001	<0.001	--	--	--
MW-3	04/06/2010	19.5	<10	<4.0	<1	<0.0005	<0.001	<0.001	<0.001	--	--	--
MW-3	04/06/2010	24.5	<10	<4.0	<0.9	<0.0005	<0.001	<0.001	<0.001	--	--	--
MW-3	04/06/2010	29.5	<10	<4.0	<1.1	<0.0005	<0.001	<0.001	<0.001	--	--	--
MW-3	04/06/2010	34.5	<10	<4.0	<1.0	<0.0005	<0.0009	<0.0009	<0.0009	--	--	--
MW-3	04/06/2010	39.5	<10	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001	--	--	--
MW-3	04/06/2010	44.5	<10	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001	--	--	--
MW-3	04/06/2010	49.5	<10	<4.0	<1.1	<0.0005	<0.001	<0.001	<0.001	--	--	--
MW-3	04/06/2010	54.5	<10	<4.0	10	0.004	<0.001	<0.001	<0.001	--	--	--
MW-3	04/06/2010	59.5	<10	<4.0	<1.1	<0.0005	<0.001	<0.001	<0.001	--	--	--
MW-4	03/30/2010	5.0	<10	<4.0	<1	<0.0005	<0.001	<0.001	<0.001	--	--	--
MW-4	04/12/2010	10.5	<10	<4.0	<0.9	<0.0005	<0.001	<0.001	<0.001	--	--	--
MW-4	04/12/2010	15.5	<10	<4.0	<1	<0.0005	<0.001	<0.001	<0.001	--	--	--
MW-4	04/12/2010	20.5	<10	<4.0	<0.9	<0.0005	<0.001	<0.001	<0.001	--	--	--
MW-4	04/12/2010	25.5	<10	<4.0	<1	<0.0005	<0.001	<0.001	<0.001	--	--	--
MW-4	04/12/2010	30.5	<10	82	42	<0.0005	<0.001	<0.001	<0.001	--	--	--
MW-4	04/12/2010	35.5	<10	<4.0	<0.9	<0.0005	<0.001	<0.001	<0.001	--	--	--
MW-4	04/12/2010	40.5	<10	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001	--	--	--
MW-4	04/12/2010	45.5	<10	<4.0	80	<0.0005	<0.001	<0.001	<0.001	--	--	--
MW-4	04/12/2010	50.5	<10	<4.0	31	<0.0005	<0.001	<0.001	<0.001	--	--	--
MW-4	04/12/2010	55.5	<10	4.7	**110**	0.003	0.001	0.019	0.007	--	--	--
MW-4	04/12/2010	60.5	<10	<4.0	<0.9	<0.0005	<0.0009	<0.0009	<0.0009	--	--	--
MW-5	03/31/2010	5.0	**130**	42	<1	<0.0005	<0.001	<0.001	<0.001	--	--	--

CUMULATIVE SOIL ANALYTICAL DATA
FORMER STANDARD OIL SERVICE STATION 30-7233
2259 FIRST STREET, LIVERMORE, CALIFORNIA

Sample ID	Date	Depth (fbg)	TPHmo	TPHd	TPHg	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	OXYs	Pb
			Reported in milligrams per kilogram (mg/kg)									
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Table K-3	Direct Exposure Construction/Trench Worker [c]		12,000	4,200	4,200	12	650	210	420	2,800	Varies	320
OEHAA	Residential Land Use		-	-	-	-	-	-	-	-	-	80
OEHAA	Commercial Land Use		-	-	-	-	-	-	-	-	-	260
MW-5	04/08/2010	9.5	<10	<4.0	<1	<0.0005	<0.001	<0.001	<0.001	--	--	--
MW-5	04/08/2010	14.5	<10	<4.0	<1	<0.0005	<0.001	<0.001	<0.001	--	--	--
MW-5	04/08/2010	19.5	<10	<4.0	<1	0.001	<0.0009	<0.0009	<0.0009	--	--	--
MW-5	04/08/2010	24.5	<10	5.9	**150**	<0.026	<0.053	<0.053	<0.053	--	--	--
MW-5	04/08/2010	29.5	<10	8.1	18	0.003	<0.001	0.038	0.022	--	--	--
MW-5	04/08/2010	34.5	<10	29	51	<0.023	<0.046	<0.046	<0.046	--	--	--
MW-5	04/08/2010	39.5	<10	<4.0	2.1	0.027	0.002	0.004	<0.001	--	--	--
MW-5	04/08/2010	44.5	<10	<4.0	<1.0	0.003	<0.001	<0.001	<0.001	--	--	--
MW-5	04/08/2010	49.5	<10	<4.0	<1	<0.0005	<0.001	<0.001	<0.001	--	--	--
MW-5	04/08/2010	54.5	<10	<4.0	<1	0.0006	<0.001	<0.001	<0.001	--	--	--
MW-5	04/08/2010	59.5	<10	<4.0	<1	<0.0005	<0.001	<0.001	<0.001	--	--	--
MW-6	04/01/2010	5.0	<10	<4.0	<1	<0.0005	<0.001	<0.001	<0.001	--	--	--
MW-6	04/09/2010	10.0	<10	<4.0	<1	<0.0005	<0.001	<0.001	<0.001	--	--	--
MW-6	04/09/2010	15.0	<10	<4.0	<1	<0.0005	<0.001	<0.001	<0.001	--	--	--
MW-6	04/09/2010	19.5	<10	<4.0	<0.9	<0.0005	<0.0009	<0.0009	<0.0009	--	--	--
MW-6	04/09/2010	25.0	<10	<4.0	<1	<0.0005	<0.001	<0.001	<0.001	--	--	--
MW-6	04/09/2010	30.0	<10	<4.0	<0.9	<0.0005	<0.001	<0.001	<0.001	--	--	--
MW-6	04/09/2010	35.0	<10	<4.0	<0.9	<0.0005	<0.001	<0.001	<0.001	--	--	--
MW-6	04/09/2010	40.0	<10	<4.0	<1	<0.0005	<0.001	<0.001	<0.001	--	--	--
MW-6	04/09/2010	45.0	<10	<4.0	<1	<0.0005	<0.001	<0.001	<0.001	--	--	--
MW-6	04/09/2010	50.0	<10	<4.0	<0.9	<0.0005	<0.001	<0.001	<0.001	--	--	--
MW-6	04/09/2010	55.0	<10	<4.0	44	0.020	0.003	0.006	0.002	--	--	--
MW-6	04/09/2010	59.5	<10	<4.0	<1	<0.0005	<0.001	<0.001	<0.001	--	--	--
2012 CRA Well Installation												
MW-10	2/14/2012	5	--	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001	--	--	--
MW-10	2/15/2012	10	--	<4.0	<0.9	<0.0005	<0.001	<0.001	<0.001	--	--	--
MW-10	2/15/2012	15	--	<4.0	<1.1	<0.0005	<0.001	<0.001	<0.001	--	--	--
MW-10	2/15/2012	20	--	<4.0	<1.1	<0.0005	<0.001	<0.001	<0.001	--	--	--
MW-10	2/15/2012	25	--	6.2	<1	<0.0005	<0.001	<0.001	<0.001	--	--	--
MW-10	2/15/2012	30	--	29	250	<0.023	<0.046	<0.046	<0.046	--	--	--
MW-10	2/15/2012	35	--	4.3	<1	0.0007	<0.001	<0.001	<0.001	--	--	--
MW-10	2/15/2012	39.5	--	4.3	<1.0	<0.0005	<0.001	<0.001	<0.001	--	--	--
MW-11	2/14/2012	5	--	5.5	<1.1	<0.0005	<0.001	<0.001	<0.001	--	--	--
MW-11	2/16/2012	10	--	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001	--	--	--
MW-11	2/16/2012	15	--	<4.0	<1	<0.0005	<0.001	<0.001	<0.001	--	--	--
MW-11	2/16/2012	20	--	<4.0	<1	<0.0005	<0.001	<0.001	<0.001	--	--	--
MW-11	2/16/2012	30	--	4.1	<0.9	<0.0005	<0.001	<0.001	<0.001	--	--	--
MW-11	2/16/2012	35	--	<4.0	<1	<0.0005	<0.001	<0.001	<0.001	--	--	--
MW-11	2/16/2012	39.5	--	<4.0	<1	<0.0005	<0.001	<0.001	<0.001	--	--	--
MW-12	2/16/2012	5	--	<4.0	<1	<0.0005	<0.001	<0.001	<0.001	--	--	--
MW-12	2/17/2012	10	--	4.4	<1	<0.0005	<0.001	<0.001	<0.001	--	--	--
MW-12	2/17/2012	15	--	<4.0	<1	<0.0005	<0.001	<0.001	<0.001	--	--	--
MW-12	2/17/2012	20	--	<4.0	<1	0.0006	<0.001	<0.001	<0.001	--	--	--

CUMULATIVE SOIL ANALYTICAL DATA
FORMER STANDARD OIL SERVICE STATION 30-7233
2259 FIRST STREET, LIVERMORE, CALIFORNIA

Sample ID	Date	Depth (fbg)	TPHmo	TPHd	TPHg	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	OXYs	Pb
			Reported in milligrams per kilogram (mg/kg)									
ESL												
Table G	Soil Leaching Screening Level (Drinking Water Sourse) [a]		83	83	83	0.044	2.9	3.3	2.3	0.023	Varies	NE
Table K-2	Direct Exposure Commercial/Industrial Worker		3,700	450	450	0.27	210	5	100	65	Varies	320
Table K-3	Direct Exposure Construction/Trench Worker [c]		12,000	4,200	4,200	12	650	210	420	2,800	Varies	320
OEHAA	Residential Land Use		-	-	-	-	-	-	-	-	-	80
OEHAA	Commercial Land Use		-	-	-	-	-	-	-	-	-	260
MW-12	2/17/2012	25	--	72	500	0.098	<0.050	1.5	0.91	--	--	--
MW-12	2/17/2012	30	--	65	24	0.002	<0.001	<0.001	<0.001	--	--	--
MW-12	2/17/2012	35	--	300	1,400	0.15	<0.20	4.8	11	--	--	--
MW-12	2/17/2012	39.5	--	<4.0	1.5	0.062	0.001	<0.001	0.002	--	--	--
MW-12	2/17/2012	42	--	<4.0	<1.0	0.023	<0.001	<0.001	<0.001	--	--	--
MW-12	2/17/2012	44.5	--	<4.0	<1	0.021	<0.001	<0.01	<0.001	--	--	--
2014/2015 Lead Speciation Investigation												
HA-1	10/07/2014	3	--	--	--	--	--	--	--	--	--	74.1
HA-2	10/07/2014	2.5	--	--	--	--	--	--	--	--	--	30.3
HA-2	10/07/2014	4.5	--	--	--	--	--	--	--	--	--	**314**
HA-3	10/07/2014	2.5	--	--	--	--	--	--	--	--	--	53.0
HA-3	10/07/2014	4.5	--	--	--	--	--	--	--	--	--	7.34
HA-4	10/08/2014	3	--	--	--	--	--	--	--	--	--	9.27
HA-4	10/08/2014	5	--	--	--	--	--	--	--	--	--	7.65
HA-5	10/08/2014	3	--	--	--	--	--	--	--	--	--	17.1
HA-5	10/08/2014	5	--	--	--	--	--	--	--	--	--	43.2
HA-6	01/20/2015	3	--	--	--	--	--	--	--	--	--	5.29
HA-6	01/20/2015	9	--	--	--	--	--	--	--	--	--	**297**
HA-7	01/20/2015	3	--	--	--	--	--	--	--	--	--	14.7
HA-7	01/20/2015	8	--	--	--	--	--	--	--	--	--	6.77
2015 Lead Delineation and Offsite Boring												
HA-8	09/14/2015	0.5	--	--	--	--	--	--	--	--	--	267
HA-8	09/14/2015	2.0	--	--	--	--	--	--	--	--	--	25.5
HA-9	09/16/2015	1.5	--	--	--	--	--	--	--	--	--	36.7
HA-9	09/16/2015	4.0	--	--	--	--	--	--	--	--	--	62.0
HA-10	09/16/2015	2.5	--	--	--	--	--	--	--	--	--	31.9
HA-10	09/16/2015	4.0	--	--	--	--	--	--	--	--	--	120
HA-11	09/16/2015	2.5	--	--	--	--	--	--	--	--	--	13.7
HA-11	09/16/2015	4.0	--	--	--	--	--	--	--	--	--	**439**
HA-11	09/16/2015	7.0	--	--	--	--	--	--	--	--	--	11.2
HA-12	09/16/2015	2.5	--	--	--	--	--	--	--	--	--	16.1
HA-12	09/16/2015	4.0	--	--	--	--	--	--	--	--	--	8.10
HA-12	09/16/2015	7.0	--	--	--	--	--	--	--	--	--	6.62
HA-13	09/14/2015	0.5	--	--	--	--	--	--	--	--	--	48.9
HA-13	09/14/2015	3.0	--	--	--	--	--	--	--	--	--	9.14
HA-14	09/14/2015	0.5	--	--	--	--	--	--	--	--	--	42.3
HA-14	09/14/2015	2.0	--	--	--	--	--	--	--	--	--	230

CUMULATIVE SOIL ANALYTICAL DATA
FORMER STANDARD OIL SERVICE STATION 30-7233
2259 FIRST STREET, LIVERMORE, CALIFORNIA

Sample ID	Date	Depth (fbg)	TPHmo	TPHd	TPHg	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	OXYs	Pb
			Reported in milligrams per kilogram (mg/kg)									
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Table G	Soil Leaching Screening Level (Drinking Water Sourse) [a]		83	83	83	0.044	2.9	3.3	2.3	0.023	Varies	NE
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Table K-3	Direct Exposure Construction/Trench Worker [c]		12,000	4,200	4,200	12	650	210	420	2,800	Varies	320
OEHAA	Residential Land Use		-	-	-	-	-	-	-	-	-	80
OEHAA	Commercial Land Use		-	-	-	-	-	-	-	-	-	260
HA-15	09/14/2015	0.5	--	--	--	--	--	--	--	--	--	53.0
HA-15	09/14/2015	3.0	--	--	--	--	--	--	--	--	--	102
HA-16	09/15/2015	0.5	--	--	--	--	--	--	--	--	--	24.5
HA-16	09/15/2015	3.0	--	--	--	--	--	--	--	--	--	7.23
HA-17	09/15/2015	1.5	--	--	--	--	--	--	--	--	--	38.0
HA-17	09/15/2015	4.0	--	--	--	--	--	--	--	--	--	16.0
HA-18	09/16/2015	2.5	--	--	--	--	--	--	--	--	--	18.8
HA-18	09/16/2015	4.0	--	--	--	--	--	--	--	--	--	41.4
HA-19	09/15/2015	0.5	--	--	--	--	--	--	--	--	--	14.5
HA-19	09/15/2015	3.0	--	--	--	--	--	--	--	--	--	**4,990[e]**
HA-19	09/15/2015	3.0	--	--	--	--	--	--	--	--	--	**1,340[e]**
HA-19	09/15/2015	3.0	--	--	--	--	--	--	--	--	--	**2,606[e]**
HA-19	09/15/2015	5.0	--	--	--	--	--	--	--	--	--	19.5
HA-20	09/15/2015	0.5	--	--	--	--	--	--	--	--	--	**338**
HA-20	09/15/2015	2.0	--	--	--	--	--	--	--	--	--	61.1
HA-21	09/15/2015	1.5	--	--	--	--	--	--	--	--	--	22.6
HA-21	09/15/2015	4.0	--	--	--	--	--	--	--	--	--	8.38
HA-22	09/17/2015	1.5	--	--	--	--	--	--	--	--	--	28.6
HA-22	09/17/2015	4.0	--	--	--	--	--	--	--	--	--	**265**
HA-22	09/17/2015	7.0	--	--	--	--	--	--	--	--	--	26.6
HA-23	09/14/2015	0.5	--	--	--	--	--	--	--	--	--	50.9
HA-23	09/14/2015	3.0	--	--	--	--	--	--	--	--	--	55.3
HA-24	09/17/2015	0.5	--	--	--	--	--	--	--	--	--	36.3
HA-24	09/17/2015	7.0	--	--	--	--	--	--	--	--	--	73.8
HA-24	09/17/2015	13.0	--	--	--	--	--	--	--	--	--	11.0
HA-25	09/15/2015	0.5	--	--	--	--	--	--	--	--	--	10.5
HA-25	09/15/2015	3.0	--	--	--	--	--	--	--	--	--	11.7
HA-25	09/15/2015	5.0	--	--	--	--	--	--	--	--	--	9.44
HA-26	09/15/2015	0.5	--	--	--	--	--	--	--	--	--	19.0
HA-26	09/15/2015	2.0	--	--	--	--	--	--	--	--	--	**498**
HA-27	09/15/2015	0.5	--	--	--	--	--	--	--	--	--	48.7
HA-27	09/15/2015	4.0	--	--	--	--	--	--	--	--	--	18.6
HA-28	09/17/2015	1.5	--	--	--	--	--	--	--	--	--	18.3
HA-28	09/17/2015	4.0	--	--	--	--	--	--	--	--	--	**388**
HA-28	09/17/2015	7.0	--	--	--	--	--	--	--	--	--	15.5

CUMULATIVE SOIL ANALYTICAL DATA
FORMER STANDARD OIL SERVICE STATION 30-7233
2259 FIRST STREET, LIVERMORE, CALIFORNIA

Sample ID	Date	Depth (fbg)	TPHmo	TPHd	TPHg	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	OXYs	Pb
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Table K-3	Direct Exposure Construction/Trench Worker [c]		12,000	4,200	4,200	12	650	210	420	2,800	Varies	320
OEHAA	Residential Land Use		-	-	-	-	-	-	-	-	-	80
OEHAA	Commercial Land Use		-	-	-	-	-	-	-	-	-	260
SB-13	09/17/2015	35.0	--	--	<0.042	<0.0005	<0.001	<0.001	<0.001	--	--	--

Notes and Abbreviations:

Total petroleum hydrocarbons as motor oil (TPHmo) analyzed by EPA Method 8015B modified unless otherwise noted.
Total petroleum hydrocarbons as diesel (TPHd) analyzed by EPA Method 8015B with silica gel cleanup unless otherwise noted.
Total petroleum hydrocarbons as gasoline (TPHg) analyzed by EPA Method 8015B modified unless otherwise noted.
Benzene, toluene, ethylbenzene, and total xylenes (BTEX); methyl tertiary-butyl ether (MTBE); t-butyl alcohol (TBA); di-isopropyl ether (DIPE); ethyl tertiary-butyl ether (ETBE); t-amyl methyl ether (TAME); 1,2-dichloroethane (1,2-DCA); 1,2-dibromoethane (EDB) analyzed by EPA method 8260B unless otherwise noted.
OXYs = TBA, DIPE, ETBE, TAME, 1,2,-DCA, and EDB
fbg = feet below grade.
<x = Not detected at reporting limit x.
ND = not detected at various laboratory method detection limits.
ESLs = Environmental Screening Levels for commerical land use where groundwater is a current or potential drinking water source from *Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater* presented by the California Regional Water Quality Control Board - San
OEHAA = Office of Environmental Health Hazard Assessment's *Revised California Human Health Screening Level for Lead* dated May 18, 2009
NE = Not established
-- = Not applicable/not analyzed.
a = Potential leaching of chemicals from vadose zone soils and subsequent impact on groundwater
b = Worker who regularly performs grounds-keeping activities. Exposure to surface ans shallow subsurface soils (i.e. at depths of 0-2 fbg) is expected to occur during moderate digging associated with routine maintenance and grounds-keeping activities
c = Worker on a single onsite construction project with exposures to surface and subsurface soils (i.e. at depths of 0-10 fbg) during excavation, maintenance and building construction.
d = TBA, no other oxygenates detected
e = Sample was redigested in duplicate for lead analysis to confirm the initial result. Variation in the results may be due to non-homogenaity
*** = Discrete sample could not be collected due to large cobbles, composite sample collected.
**** = Soluble Lead Toxicity Characteristic Leaching Potential (TCLP) analysis resulted in a concentration <0.50 milligrams per liter.

Attachment A
ACEH Correspondence

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
ALEX BRISCOE, Director

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

June 4, 2015

Ms. Carryl MacLeod (*Sent via E-mail to: cmacleod@chevron.com*)
Chevron Environmental Management Company
6101 Bollinger Canyon Road
San Ramon, CA 94583

Mr. Eric Uranga (*Sent via E-mail to: ejuranga@cityoflivermore.net*)
City of Livermore Economic Development
1052 S. Livermore Ave.
Livermore, CA 94550

Subject: Case File Review for Fuel Leak Case No. RO0002908 and GeoTracker Global ID T0600196622, Miller Square Park, 2259 First Street, Livermore, CA 94550

Dear Ms. MacLeod and Mr. Uranga:

Alameda County Environmental Health (ACEH) staff has reviewed the fuel leak case file for the above referenced site including the document entitled, "*Work Plan for Lead Delineation in Soil*," dated June 1, 2015 (Work Plan). The Work Plan presents plans to collect soil samples to determine the extent of lead in shallow soil and to collect one grab groundwater sample to delineate the downgradient extent of petroleum hydrocarbons in groundwater.

The proposed scope of work is conditionally approved and may be implemented provided that the technical comments below are incorporated during implementation of the proposed work. Submittal of a revised Work Plan or Work Plan Addendum is not required unless an alternate scope of work outside that described in the Work Plan and technical comments below is proposed. We request that you address the following technical comments, perform the proposed work, and send us the reports described below.

TECHNICAL COMMENTS

1. **Soil Sample Analysis**. The proposal to analyze the soil samples collected within the park for lead using EPA Method 6010 is acceptable. However, we request that the soil samples also be screened in the field with a photoionization detector (PID). If the PID screening indicates that volatile organic compounds may be present or the soil samples have visual evidence of contamination or odor, we request that the soil samples also be analyzed for total petroleum hydrocarbons as gasoline and diesel using EPA Method 8015 or 8260 and benzene, toluene, ethylbenzene, xylenes, and naphthalene using EPA method 8260.

2. **Project Schedule**. The project schedule was discussed on May 5, 2015 during a meeting between representatives of Chevron Environmental Management Company, the City of Livermore, and ACEH. The project schedule in the Work Plan is generally consistent with the schedule discussed on May 5, 2015. Submittal of the results of the proposed work and an Interim Remedial Action Plan (IRAP) on August 13, 2015 is acceptable. The ACEH review period for the IRAP that was discussed on May 5, 2015 was 14 days ending on August 27, 2015 and the public notification period was 30 days ending on September 27, 2015.

TECHNICAL REPORT REQUEST

Please upload technical reports to the ACEH ftp site (Attention: Jerry Wickham), and to the State Water Resources Control Board's GeoTracker website according to the following schedule and file-naming convention:

- **August 13, 2015** – Sampling Results Report and Interim Remedial Action Plan
  File to be named: SWI_IRAP_R_yyyy-mm-dd RO2908

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.

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

Sincerely,

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

Attachments: Responsible Party(ies) Legal Requirements/Obligations

Enclosure: ACEH Electronic Report Upload (ftp) Instructions

cc: Colleen Winey, QIC 80201, Zone 7 Water Agency, 100 North Canyons Parkway
Livermore, CA 94551 (*Sent via E-mail to: cwiney@zone7water.com*)

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

John Rigter, Livermore-Pleasanton Fire Department, 3560 Nevada Street
Pleasanton, CA 94566(*Sent via E-mail to: jrigter@lpfire.org*)

Cheri Sheets, City of Livermore, (*Sent via E-mail to: crsheets@cityoflivermore.net*)

Rosy Ehlert, City of Livermore, (*Sent via E-mail to: rmehlert@cityoflivermore.net*)

Brian Silva, Conestoga-Rovers & Associates, 10969 Trade Center Drive, Suite 107
Rancho Cordova, CA 95670 (*Sent via E-mail to: bsilva@craworld.com*)

Jerry Wickham, ACEH (*Sent via E-mail to: jerry.wickham@acgov.org*)
GeoTracker, eFile

Attachment 1

Responsible Party(ies) Legal Requirements / Obligations

REPORT REQUESTS

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

ELECTRONIC SUBMITTAL OF REPORTS

ACEH's Environmental Cleanup Oversight Programs (LOP and SLIC) require submission of reports in electronic form. The electronic copy replaces paper copies and is expected to be used for all public information requests, regulatory review, and compliance/enforcement activities. Instructions for submission of electronic documents to the Alameda County Environmental Cleanup Oversight Program FTP site are provided on the attached "Electronic Report Upload Instructions." Submission of reports to the Alameda County FTP site is an addition to existing requirements for electronic submittal of information to the State Water Resources Control Board (SWRCB) GeoTracker website. In September 2004, the SWRCB adopted regulations that require electronic submittal of information for all groundwater cleanup programs. For several years, responsible parties for cleanup of leaks from underground storage tanks (USTs) have been required to submit groundwater analytical data, surveyed locations of monitoring wells, and other data to the GeoTracker database over the Internet. Beginning July 1, 2005, these same reporting requirements were added to Spills, Leaks, Investigations, and Cleanup (SLIC) sites. Beginning July 1, 2005, electronic submittal of a complete copy of all reports for all sites is required in GeoTracker (in PDF format). Please visit the SWRCB website for more information on these requirements (http://www.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, 6835, and 7835.1) requires that work plans and technical or implementation reports containing geologic or engineering evaluations and/or judgments be performed under the direction of an appropriately registered or certified professional. For your submittal to be considered a valid technical report, you are to present site specific data, data interpretations, and recommendations prepared by an appropriately licensed professional and include the professional registration stamp, signature, and statement of professional certification. Please ensure all that all technical reports submitted for this fuel leak case meet this requirement.

UNDERGROUND STORAGE TANK CLEANUP FUND

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

AGENCY OVERSIGHT

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

Alameda County Environmental Cleanup Oversight Programs (LOP and SLIC)	**REVISION DATE:** May 15, 2014
	ISSUE DATE: July 5, 2005
	PREVIOUS REVISIONS: October 31, 2005; December 16, 2005; March 27, 2009; July 8, 2010, July 25, 2010
SECTION: Miscellaneous Administrative Topics & Procedures	**SUBJECT:** Electronic Report Upload (ftp) Instructions

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

REQUIREMENTS

- **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.

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
ALEX BRISCOE, Director

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

August 27, 2015

Ms. Carryl MacLeod (*Sent via E-mail to: cmacleod@chevron.com*)
Chevron Environmental Management Company
6101 Bollinger Canyon Road
San Ramon, CA 94583

Mr. Eric Uranga (*Sent via E-mail to: ejuranga@ci.livermore.ca.us*)
City of Livermore Economic Development
1052 S. Livermore Ave.
Livermore, CA 94550

Subject: Schedule Extension for Fuel Leak Case No. RO0002908 and GeoTracker Global ID T0600196622, Miller Square Park, 2259 First Street, Livermore, CA 94550

Dear Ms. MacLeod and Mr. Uranga:

In a Notice to Comply dated August 20, 2015, Alameda County Environmental Health (ACEH) indicated that this case is out of compliance with directives from this agency. In order to regain compliance with directives from this agency and avoid enforcement actions including issuance of a Notice of Violation, ACEH requested that you submit the previously requested "*Sampling Results Report,"* and *"Interim Remedial Action Plan,*" no later than September 3, 2015. The purpose of these documents is to address lead in shallow soil at the park site.

We have received a proposed alternate schedule in correspondence from Chevron Environmental Management Company (Chevron) dated August 26, 2015 (attached). The schedule proposed by Chevron appears to be a reasonable effort to complete the necessary work. Therefore, ACEH agrees that a Notice of Violation will not be issued if the "*Sampling Results Report,*" is submitted no later than November 5, 2015 and the *"Interim Remedial Action Plan,*" is submitted no later than November 19, 2015.

TECHNICAL REPORT REQUEST

Please upload technical reports to the ACEH ftp site (Attention: Jerry Wickham), and to the State Water Resources Control Board's GeoTracker website according to the following schedule and file-naming convention:

- **November 5, 2015** – Sampling Results Report
  File to be named: SWI_R_yyyy-mm-dd RO2908

- **November 19, 2015** – Interim Remedial Action Plan
  File to be named: IRAP_R_yyyy-mm-dd RO2908

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.

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

Sincerely,

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

Attachments: Correspondence from Chevron Environmental Management dated August 26, 2015
Responsible Party(ies) Legal Requirements/Obligations

Enclosure: ACEH Electronic Report Upload (ftp) Instructions

cc: Colleen Winey, QIC 80201, Zone 7 Water Agency, 100 North Canyons Parkway
Livermore, CA 94551 (*Sent via E-mail to: cwiney@zone7water.com*)

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

John Rigter, Livermore-Pleasanton Fire Department, 3560 Nevada Street
Pleasanton, CA 94566(*Sent via E-mail to: jrigter@lpfire.org*)

Alexis Coulter, Chevron Environmental Management Company, (*Sent via E-mail to: acoulter@chevron.com*)

Cheri Sheets, City of Livermore, (*Sent via E-mail to: crsheets@cityoflivermore.net*)

Rosy Ehlert, City of Livermore, (*Sent via E-mail to: rmehlert@cityoflivermore.net*)

Brian Silva, Conestoga-Rovers & Associates, 10969 Trade Center Drive, Suite 107
Rancho Cordova, CA 95670 (*Sent via E-mail to: bsilva@craworld.com*)

Jerry Wickham, ACEH (*Sent via E-mail to: jerry.wickham@acgov.org*)
GeoTracker, eFile

Attachment

Carryl MacLeod
Project Manager
Marketing Business Unit

Chevron Environmental Management Company
6101 Bollinger Canyon Road
San Ramon, CA 94583
Tel (925) 790-6506
cmacleod@chevron.com

August 26, 2015

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

Re: 307233 Livermore/ Mills Square Park 2259 First Street

Dear Mr. Wickham:

In a letter dated August 20, 2015 (Attachment), Alameda County Environmental Health (ACEH) requested Chevron Environmental Management Company ("EMC") and the City of Livermore (City) submit the Sampling Results Report (Report) to regain compliance by September 3, 2015.

In an effort to comply with ACEH's request, EMC's consultant GHD (formerly known as CRA), has scheduled the C-57 license driller for the week of September 14, 2015 to conduct the work as outlined in the prepared work plan for shallow lead delineation submitted June 1, 2015.

Upon completion of the field activities, GHD will prepare and submit the Report 45 days following the completion of the work. Following submittal of the Sampling Results Report, GHD will prepare and submit an Interim Remedial Action Plan two weeks later.

EMC respectfully requests an extension on the submittal of the Sampling Results Report and Interim Remedial Action Plan.

If you have any further questions, please do not hesitate to contact me at (925) 790-6506, or cmacleod@chevron.com.

Sincerely,

Carryl MacLeod
Project Manager

Attachment

cc (via email)
Rosy Ehlert, City of Livermore
Cheri Sheets, City of Livermore
Brian Silva, GHD
Alexis Coulter, CEMC
Dilan Roe, ACEH

Attachment 1

Responsible Party(ies) Legal Requirements / Obligations

REPORT REQUESTS

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

ELECTRONIC SUBMITTAL OF REPORTS

ACEH's Environmental Cleanup Oversight Programs (LOP and SLIC) require submission of reports in electronic form. The electronic copy replaces paper copies and is expected to be used for all public information requests, regulatory review, and compliance/enforcement activities. Instructions for submission of electronic documents to the Alameda County Environmental Cleanup Oversight Program FTP site are provided on the attached "Electronic Report Upload Instructions." Submission of reports to the Alameda County FTP site is an addition to existing requirements for electronic submittal of information to the State Water Resources Control Board (SWRCB) GeoTracker website. In September 2004, the SWRCB adopted regulations that require electronic submittal of information for all groundwater cleanup programs. For several years, responsible parties for cleanup of leaks from underground storage tanks (USTs) have been required to submit groundwater analytical data, surveyed locations of monitoring wells, and other data to the GeoTracker database over the Internet. Beginning July 1, 2005, these same reporting requirements were added to Spills, Leaks, Investigations, and Cleanup (SLIC) sites. Beginning July 1, 2005, electronic submittal of a complete copy of all reports for all sites is required in GeoTracker (in PDF format). Please visit the SWRCB website for more information on these requirements (http://www.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, 6835, and 7835.1) requires that work plans and technical or implementation reports containing geologic or engineering evaluations and/or judgments be performed under the direction of an appropriately registered or certified professional. For your submittal to be considered a valid technical report, you are to present site specific data, data interpretations, and recommendations prepared by an appropriately licensed professional and include the professional registration stamp, signature, and statement of professional certification. Please ensure all that all technical reports submitted for this fuel leak case meet this requirement.

UNDERGROUND STORAGE TANK CLEANUP FUND

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

AGENCY OVERSIGHT

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

Alameda County Environmental Cleanup Oversight Programs (LOP and SLIC)	**REVISION DATE:** May 15, 2014
	ISSUE DATE: July 5, 2005
	PREVIOUS REVISIONS: October 31, 2005; December 16, 2005; March 27, 2009; July 8, 2010, July 25, 2010
SECTION: Miscellaneous Administrative Topics & Procedures	**SUBJECT:** Electronic Report Upload (ftp) Instructions

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

REQUIREMENTS

- **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.

Attachment B
Permits

ZONE 7 WATER AGENCY

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

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

LOCATION OF PROJECT 2259 First Street
Livermore, CA

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

CLIENT
Name ~~GHD~~ CHEVRON
Address 10969 Trade Center Dr # 107 Phone 916-859-8916
City Rancho Cordova Zip 95670

APPLICANT
Name Bryan Sandor
Email Bryan.Sandor@GHD.com Fax 916-889-8999
Address 10969 Trade Center Dr. #107 Phone 916-884-8916
City Rancho Cordova Zip 95670

TYPE OF PROJECT:

Well Construction	__	Geotechnical Investigation	__
Well Destruction	__	Contamination Investigation	X
Cathodic Protection	__	Other	__

PROPOSED WELL USE:

Domestic	__	Irrigation	__
Municipal	__	Remediation	__
Industrial	__	Groundwater Monitoring	__
Dewatering	__	Other Soil borings	X

DRILLING METHOD:

Mud Rotary	__	Air Rotary	__	Hollow Stem Auger	__
Cable Tool	__	Direct Push	X	Other hand auger + air knife	

DRILLING COMPANY Gregg Drilling
DRILLER'S LICENSE NO. 485165

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

SOIL BORINGS:
Number of Borings 22 Maximum
Hole Diameter 3 in. Depth 30 ft.

ESTIMATED STARTING DATE 9-14-15
ESTIMATED COMPLETION DATE 9-18-15

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

APPLICANT'S SIGNATURE _____ Date 8-27-15
for Bryan Sandor

ATTACH SITE PLAN OR SKETCH

PERMIT NUMBER 2015108
WELL NUMBER _____
APN 097-0110-005-03

PERMIT CONDITIONS
(Circled Permit Requirements Apply)

(A) GENERAL
1. A permit application should be submitted so as to arrive at the Zone 7 office five days prior to your proposed starting date.
2. Submit to Zone 7 within 60 days after completion of permitted work the original **Department of Water Resources Water Well Drillers Report (DWR Form 188), signed by the driller**.
3. Permit is void if project not begun within 90 days of approval date.
4. **Notify Zone 7 at least 24 hours before the start of work.**

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

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

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

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

F. WELL DESTRUCTION. See attached.

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

Approved Wyman Hong Date 9/1/15
Wyman Hong

Revised: January 4, 2010

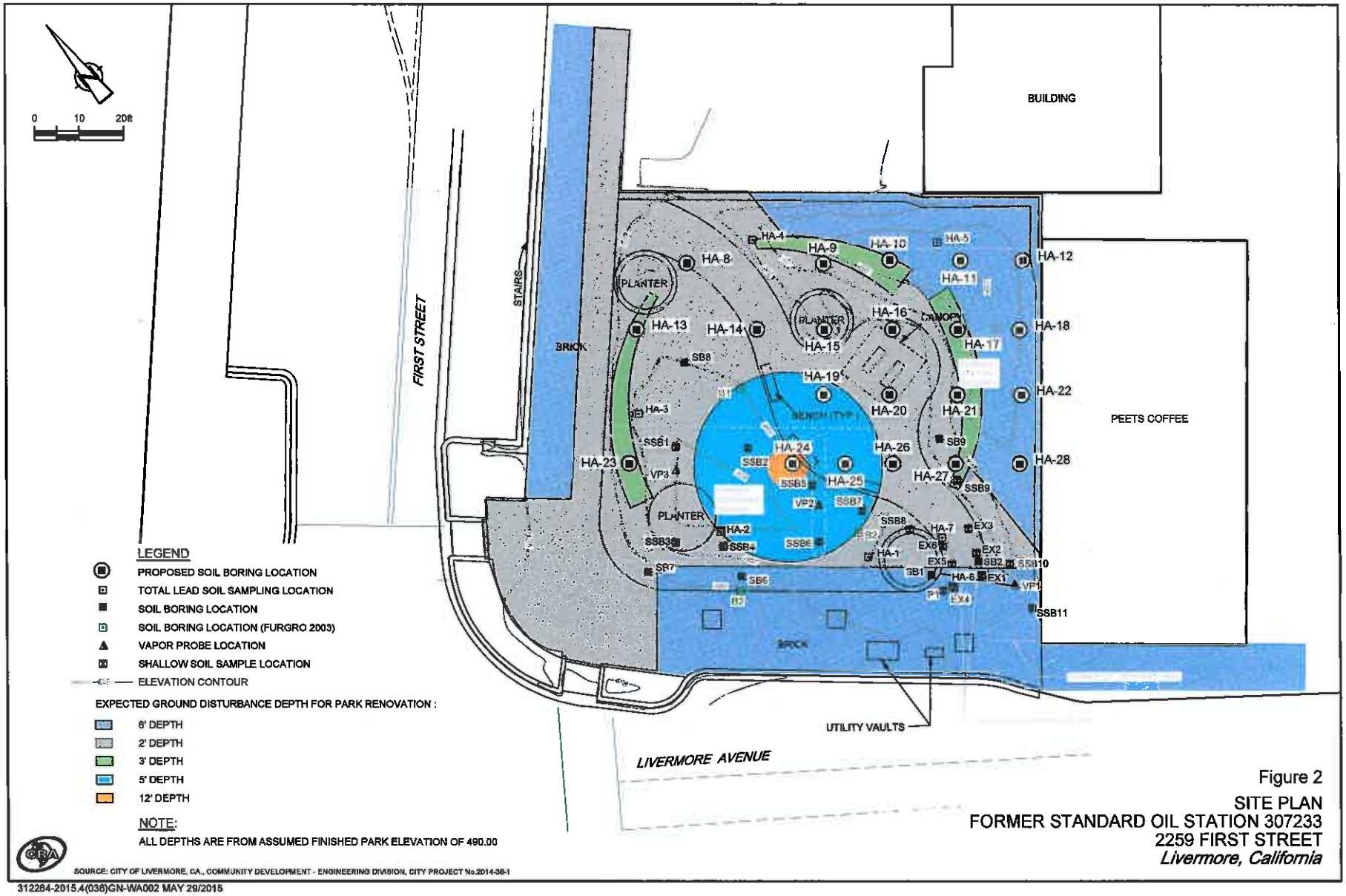

Figure 2

SITE PLAN
FORMER STANDARD OIL STATION 307233
2259 FIRST STREET
Livermore, California

312284-2015.4(036)GN-WA002 MAY 29/2015

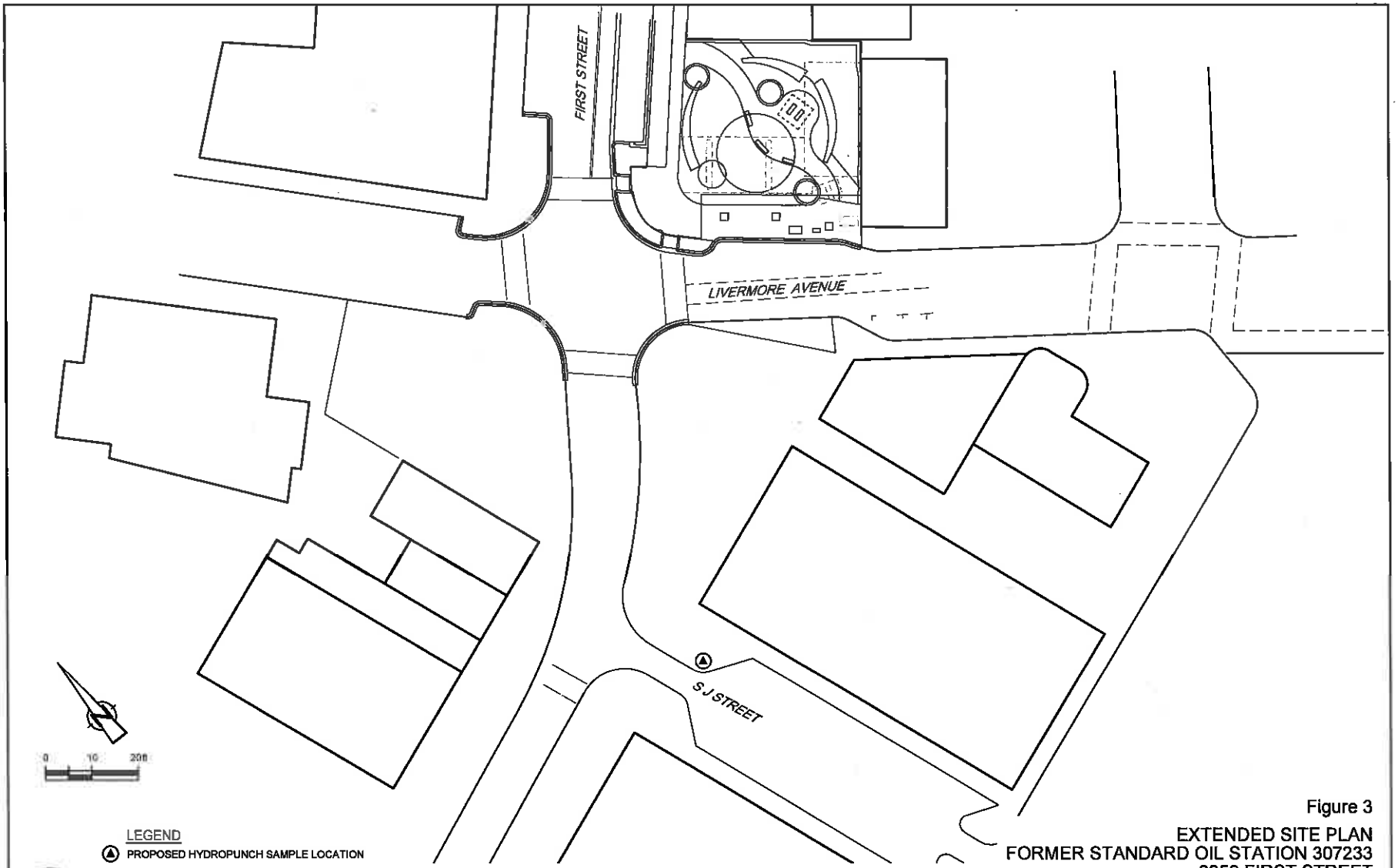

Figure 3

EXTENDED SITE PLAN
FORMER STANDARD OIL STATION 307233
2259 FIRST STREET
Livermore, California

City of Livermore

Community Development Department
1052 S. Livermore Avenue
Livermore, CA 94550
(925) 960-4500

Encroachment
Permit No. EN150185
Type: Other

PERMIT TO DO WORK IN ACCORDANCE WITH CHAPTER 12.08 OF THE LIVERMORE MUNICIPAL CODE AND SPECIFICATIONS AS ADOPTED BY THE CITY OF LIVERMORE AND ANY SPECIAL REQUIREMENTS SHOWN OR LISTED HEREIN.

Permit Fee	$90.00
Inspection Fee	$770.00
Total:	***$860.00***

Applicant/Permittee:
Name: Conestoga-Rovers and Associates
Address: 10969 Trade Center Drive, Ste 107
Rancho Cordova CA, 95670
Phone: 916-889-8916

Contractor:
Name:
Address:
Phone:

PLEASE READ THIS PERMIT CAREFULLY. KEEP IT AT THE WORK SITE. TO ARRANGE FOR AN INSPECTION, PHONE (925) 960-4500 AT LEAST 24 HOURS BEFORE YOU START WORK.

JOB LOCATION: 2259 First ST, LIVERMORE, CA

DESCRIPTION OF WORK: See Attached for more Details.
Soil and water sampling at 2259 First Street and South J street.
PM# .

Attention is directed to the General Provisions printed on the reverse side of this permit and to the attached special requirements (to be determined as needed by the Engineering Division).

Prosecution of Work: All work authorized by the permit shall be performed in a workmanlike, diligent, and expeditious manner, and must be completed to the satisfaction of the City Engineer.

Liability and Damages: The permittee shall be responsible for all liability imposed by law for personal injury or property damage which may arise out of the work permitted and done by permittee under this permit, or which may arise out of the failure on the part of the permittee to perform his obligations under said permit in respect to maintenance and encroachment. The permittee shall protect and indemnify the City of Livermore, its officers and employees, and save them harmless in every way from all action at law for damage or injury to persons or property that may arise out of or be occasioned in any way because of his operations as provided in this permit.

Hold Harmless and Indemnification Agreement: Conestoga-Rovers and Associates agrees to defend, indemnify and hold the City of Livermore, elected
officials, officers, directors, employees, agents and volunteers harmless from and against any and all loss, liability, damage, including reasonable attorney and expert fees and/or court costs, arising out of or in connection with this agreement, except for the gross negligence and willful misconduct of the City of Livermore, its elected officials, officers, directors, employees, agents and volunteers.

Conestoga-Rovers and Associates
Signature of Permittee:

By: _____

Title: _____

Date: 9/4/15

Date Work Completed: _____

City Engineer

By: Mark A. Duffy

Date of Issue: 6/4/15

Inspector: _____

Attachment C
Boring Logs

GHD
10969 Trade Center Drive suite 107
Rancho Cordova, CA 95670
Telephone: 916-889-8916
Fax: 916-889-8999

BORING / WELL LOG

CLIENT NAME	Chevron Environmental Management Company	**BORING/WELL NAME**	HA-8
JOB/SITE NAME	Chevron #307233	**DRILLING STARTED**	14-Sep-15
LOCATION	2259 First Street, Livermore, California	**DRILLING COMPLETED**	14-Sep-15
PROJECT NUMBER	312264	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling and Testing, Inc., C-57 #485165	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Hand Auger	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2.5"	**SCREENED INTERVALS**	NA
LOGGED BY	B. Sandor	**DEPTH TO WATER (First Encountered)**	NA
REVIEWED BY	Greg Barclay, P.G. 6260	**DEPTH TO WATER (Static)**	NA
REMARKS			

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
0		HA-8- 0.5			GM		**Sandy GRAVEL with silt** : Brown; moist; gravel fine to coarse with cobbles.		Portland Type I/II
0		HA-8- 2						2.0	Bottom of Boring @ 2 fbg

GHD
10969 Trade Center Drive suite 107
Rancho Cordova, CA 95670
Telephone: 916-889-8916
Fax: 916-889-8999

BORING / WELL LOG

CLIENT NAME	Chevron Environmental Management Company	**BORING/WELL NAME**	HA-9
JOB/SITE NAME	Chevron #307233	**DRILLING STARTED**	16-Sep-15
LOCATION	2259 First Street, Livermore, California	**DRILLING COMPLETED**	16-Sep-15
PROJECT NUMBER	312264	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling and Testing, Inc., C-57 #485165	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Hand Auge	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2.5"	**SCREENED INTERVALS**	NA
LOGGED BY	B. Sandor	**DEPTH TO WATER (First Encountered)**	NA
REVIEWED BY	Greg Barclay, P.G. 6260	**DEPTH TO WATER (Static)**	NA
REMARKS			

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
0.4		HA-9- 0.5			GM		**Sandy GRAVEL with silt** : Brown; dry; gravel fine to coarse with cobbles.		Portland Type I/II
0		HA-9- 4						4.0	Bottom of Boring @ 4 fbg

WELL LOG (PID) I:\PROJECT FILES\6-CHAR\31----\3122--\312264\312264-GINT\312264-GINT.GPJ DEFAULT.GDT 10/19/15

GHD
10969 Trade Center Drive suite 107
Rancho Cordova, CA 95670
Telephone: 916-889-8916
Fax: 916-889-8999

BORING / WELL LOG

CLIENT NAME	Chevron Environmental Management Company	**BORING/WELL NAME**	HA-10
JOB/SITE NAME	Chevron #307233	**DRILLING STARTED**	16-Sep-15
LOCATION	2259 First Street, Livermore, California	**DRILLING COMPLETED**	16-Sep-15
PROJECT NUMBER	312264	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling and Testing, Inc., C-57 #485165	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Hand Auger	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2.5"	**SCREENED INTERVALS**	NA
LOGGED BY	B. Sandor	**DEPTH TO WATER (First Encountered)**	NA
REVIEWED BY	Greg Barclay, P.G. 6260	**DEPTH TO WATER (Static)**	NA
REMARKS			

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
0		HA-10 -0.5			GM		**Sandy GRAVEL with silt** : Brown; dry; gravel fine to coarse with cobbles.		Portland Type I/II
0		HA-10 -4						4.0	Bottom of Boring @ 4 fbg

GHD
10969 Trade Center Drive suite 107
Rancho Cordova, CA 95670
Telephone: 916-889-8916
Fax: 916-889-8999

BORING / WELL LOG

CLIENT NAME	Chevron Environmental Management Company	**BORING/WELL NAME**	HA-11
JOB/SITE NAME	Chevron #307233	**DRILLING STARTED**	16-Sep-15
LOCATION	2259 First Street, Livermore, California	**DRILLING COMPLETED**	16-Sep-15
PROJECT NUMBER	312264	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling and Testing, Inc., C-57 #485165	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Hand Auger	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2.5"	**SCREENED INTERVALS**	NA
LOGGED BY	B. Sandor	**DEPTH TO WATER (First Encountered)**	NA ▽
REVIEWED BY	Greg Barclay, P.G. 6260	**DEPTH TO WATER (Static)**	NA ▼
REMARKS			

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
0		HA-11 -2.5					**Sandy GRAVEL with silt** : Brown; moist; gravel fine to coarse with cobbles.		
0		HA-11 -4		5	GM				Portland Type I/II
0		HA-11 -7						7.0	Bottom of Boring @ 7 fbg

WELL LOG (PID) I:\PROJECT FILES\6-CHAR\31----\3122--\312264\312264-GINT\312264-GINT.GPJ DEFAULT.GDT 10/19/15

GHD
10969 Trade Center Drive suite 107
Rancho Cordova, CA 95670
Telephone: 916-889-8916
Fax: 916-889-8999

BORING / WELL LOG

CLIENT NAME	Chevron Environmental Management Company	**BORING/WELL NAME**	HA-12
JOB/SITE NAME	Chevron #307233	**DRILLING STARTED**	16-Sep-15
LOCATION	2259 First Street, Livermore, California	**DRILLING COMPLETED**	16-Sep-15
PROJECT NUMBER	312264	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling and Testing, Inc., C-57 #485165	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Hand Auger	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2.5"	**SCREENED INTERVALS**	NA
LOGGED BY	B. Sandor	**DEPTH TO WATER (First Encountered)**	NA ▽
REVIEWED BY	Greg Barclay, P.G. 6260	**DEPTH TO WATER (Static)**	NA ▼
REMARKS			

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
0		HA-12 -2.5			GM		**Sandy GRAVEL with silt** : Brown; moist; gravel fine to coarse with cobbles.		Portland Type I/II
0		HA-12 -4		5				5.0	
					GP		**Sandy GRAVEL** : Brown; moist; gravel fine to coarse with cobbles.		
0		HA-12 -7						7.0	Bottom of Boring @ 7 fbg

WELL LOG (PID) I:\PROJECT FILES\6-CHAR\31----\3122--\312264\312264-GINT\312264-GINT.GPJ DEFAULT.GDT 10/19/15

GHD
10969 Trade Center Drive suite 107
Rancho Cordova, CA 95670
Telephone: 916-889-8916
Fax: 916-889-8999

BORING / WELL LOG

CLIENT NAME	Chevron Environmental Management Company	**BORING/WELL NAME**	HA-13
JOB/SITE NAME	Chevron #307233	**DRILLING STARTED**	14-Sep-15
LOCATION	2259 First Street, Livermore, California	**DRILLING COMPLETED**	14-Sep-15
PROJECT NUMBER	312264	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling and Testing, Inc., C-57 #485165	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Hand Auger	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2.5"	**SCREENED INTERVALS**	NA
LOGGED BY	B. Sandor	**DEPTH TO WATER (First Encountered)**	NA
REVIEWED BY	Greg Barclay, P.G. 6260	**DEPTH TO WATER (Static)**	NA
REMARKS			

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
0		HA-13 -0.5			GM		**Sandy GRAVEL with silt**: Brown; moist; gravel fine to coarse with cobbles.		Portland Type I/II
0		HA-13 -3						3.0	Bottom of Boring @ 3 fbg

WELL LOG (PID) I:\PROJECT FILES\6-CHAR\31----\3122--\312264\312264-GINT\312264-GINT.GPJ DEFAULT.GDT 10/19/15

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BORING / WELL LOG

CLIENT NAME	Chevron Environmental Management Company	**BORING/WELL NAME**	HA-14
JOB/SITE NAME	Chevron #307233	**DRILLING STARTED**	14-Sep-15
LOCATION	2259 First Street, Livermore, California	**DRILLING COMPLETED**	14-Sep-15
PROJECT NUMBER	312264	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling and Testing, Inc., C-57 #485165	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Hand Auger	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2.5"	**SCREENED INTERVALS**	NA
LOGGED BY	B. Sandor	**DEPTH TO WATER (First Encountered)**	NA
REVIEWED BY	Greg Barclay, P.G. 6260	**DEPTH TO WATER (Static)**	NA
REMARKS			

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
0		HA-14 -0.5			GM		**Sandy GRAVEL with silt** : Brown; moist; gravel fine to coarse with cobbles.		Portland Type I/II
0		HA-14 -2						2.0	Bottom of Boring @ 2 fbg

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BORING / WELL LOG

CLIENT NAME	Chevron Environmental Management Company	**BORING/WELL NAME**	HA-15
JOB/SITE NAME	Chevron #307233	**DRILLING STARTED**	14-Sep-15
LOCATION	2259 First Street, Livermore, California	**DRILLING COMPLETED**	14-Sep-15
PROJECT NUMBER	312264	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling and Testing, Inc., C-57 #485165	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Hand Auger	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2.5"	**SCREENED INTERVALS**	NA
LOGGED BY	B. Sandor	**DEPTH TO WATER (First Encountered)**	NA
REVIEWED BY	Greg Barclay, P.G. 6260	**DEPTH TO WATER (Static)**	NA
REMARKS			

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
0		HA-15 -0.5			GM		**Sandy GRAVEL with silt**: Brown; moist; gravel fine to coarse with cobbles.		Portland Type I/II
0		HA-15 -3						3.0	Bottom of Boring @ 3 fbg

WELL LOG (PID) I:\PROJECT FILES\6-CHAR\31----\3122--\312264\312264-GINT\312264-GINT.GPJ DEFAULT.GDT 10/19/15

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BORING / WELL LOG

CLIENT NAME	Chevron Environmental Management Company	**BORING/WELL NAME**	HA-16
JOB/SITE NAME	Chevron #307233	**DRILLING STARTED**	15-Sep-15
LOCATION	2259 First Street, Livermore, California	**DRILLING COMPLETED**	15-Sep-15
PROJECT NUMBER	312264	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling and Testing, Inc., C-57 #485165	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Hand Auger	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2.5"	**SCREENED INTERVALS**	NA
LOGGED BY	B. Sandor	**DEPTH TO WATER (First Encountered)**	NA
REVIEWED BY	Greg Barclay, P.G. 6260	**DEPTH TO WATER (Static)**	NA
REMARKS			

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
0		HA-16 -0.5			GM		**Sandy GRAVEL with silt**: Brown; moist; gravel fine to coarse with cobbles.		Portland Type I/II
0		HA-16 -3						3.0	Bottom of Boring @ 3 fbg

WELL LOG (PID) I:\PROJECT FILES\6-CHAR\31----\3122--\312264\312264-GINT\312264-GINT.GPJ DEFAULT.GDT 10/19/15

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BORING / WELL LOG

CLIENT NAME	Chevron Environmental Management Company	**BORING/WELL NAME**	HA-17
JOB/SITE NAME	Chevron #307233	**DRILLING STARTED**	15-Sep-15
LOCATION	2259 First Street, Livermore, California	**DRILLING COMPLETED**	15-Sep-15
PROJECT NUMBER	312264	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling and Testing, Inc., C-57 #485165	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Hand Auger	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2.5"	**SCREENED INTERVALS**	NA
LOGGED BY	B. Sandor	**DEPTH TO WATER (First Encountered)**	NA
REVIEWED BY	Greg Barclay, P.G. 6260	**DEPTH TO WATER (Static)**	NA
REMARKS			

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
0		HA-17 -0.5			GM		**Sandy GRAVEL with silt** : Brown; moist; gravel fine to coarse with cobbles.		Portland Type I/II
0		HA-17 -4						4.0	Bottom of Boring @ 4 fbg

WELL LOG (PID) I:\PROJECT FILES\6-CHAR\31----\3122--\312264\312264-GINT\312264-GINT.GPJ DEFAULT.GDT 10/19/15

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BORING / WELL LOG

CLIENT NAME	Chevron Environmental Management Company	**BORING/WELL NAME**	HA-18
JOB/SITE NAME	Chevron #307233	**DRILLING STARTED**	16-Sep-15
LOCATION	2259 First Street, Livermore, California	**DRILLING COMPLETED**	16-Sep-15
PROJECT NUMBER	312264	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling and Testing, Inc., C-57 #485165	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Hand Auger	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2.5"	**SCREENED INTERVALS**	NA
LOGGED BY	B. Sandor	**DEPTH TO WATER (First Encountered)**	NA
REVIEWED BY	Greg Barclay, P.G. 6260	**DEPTH TO WATER (Static)**	NA
REMARKS			

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
0		HA-18 -2.5			GM		**Sandy GRAVEL with silt** : Brown; moist; gravel fine to coarse with cobbles.		Portland Type I/II
0		HA-18 -4						4.5	
							Refusal @ 4.5 fbg		Bottom of Boring @ 4.5 fbg

WELL LOG (PID) I:\PROJECT FILES\6-CHAR\31----\3122--\312264\312264-GINT\312264-GINT.GPJ DEFAULT.GDT 10/19/15

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BORING / WELL LOG

CLIENT NAME	Chevron Environmental Management Company	**BORING/WELL NAME**	HA-19
JOB/SITE NAME	Chevron #307233	**DRILLING STARTED**	15-Sep-15
LOCATION	2259 First Street, Livermore, California	**DRILLING COMPLETED**	15-Sep-15
PROJECT NUMBER	312264	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling and Testing, Inc., C-57 #485165	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Hand Auger	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2.5"	**SCREENED INTERVALS**	NA
LOGGED BY	B. Sandor	**DEPTH TO WATER (First Encountered)**	NA ▽
REVIEWED BY	Greg Barclay, P.G. 6260	**DEPTH TO WATER (Static)**	NA ▼
REMARKS			

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
0		HA-19 -0.5					**Sandy GRAVEL with silt** : Brown; dry; gravel fine to coarse with cobbles.		
0		HA-19 -3			GM				Portland Type I/II
0		HA-19 -5		5				5.0	Bottom of Boring @ 5 fbg

WELL LOG (PID) I:\PROJECT FILES\6-CHAR\31----\3122--\312264\312264-GINT\312264-GINT.GPJ DEFAULT.GDT 10/19/15

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BORING / WELL LOG

CLIENT NAME	Chevron Environmental Management Company	**BORING/WELL NAME**	HA-20
JOB/SITE NAME	Chevron #307233	**DRILLING STARTED**	15-Sep-15
LOCATION	2259 First Street, Livermore, California	**DRILLING COMPLETED**	15-Sep-15
PROJECT NUMBER	312264	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling and Testing, Inc., C-57 #485165	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Hand Auger	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2.5"	**SCREENED INTERVALS**	NA
LOGGED BY	B. Sandor	**DEPTH TO WATER (First Encountered)**	NA
REVIEWED BY	Greg Barclay, P.G. 6260	**DEPTH TO WATER (Static)**	NA
REMARKS			

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
0		HA-20 -0.5			GM		**Sandy GRAVEL with silt**: Brown; moist; gravel fine to coarse with cobbles.		Portland Type I/II
0		HA-20 -2						2.0	Bottom of Boring @ 2 fbg

WELL LOG (PID) I:\PROJECT FILES\6-CHAR\31----\3122--\312264\312264-GINT\312264-GINT.GPJ DEFAULT.GDT 10/19/15

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BORING / WELL LOG

CLIENT NAME	Chevron Environmental Management Company	**BORING/WELL NAME**	HA-21
JOB/SITE NAME	Chevron #307233	**DRILLING STARTED**	15-Sep-15
LOCATION	2259 First Street, Livermore, California	**DRILLING COMPLETED**	15-Sep-15
PROJECT NUMBER	312264	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling and Testing, Inc., C-57 #485165	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Hand Auger	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2.5"	**SCREENED INTERVALS**	NA
LOGGED BY	B. Sandor	**DEPTH TO WATER (First Encountered)**	NA
REVIEWED BY	Greg Barclay, P.G. 6260	**DEPTH TO WATER (Static)**	NA
REMARKS			

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
0		HA-21 -0.5			GM		**Sandy GRAVEL with silt**: Brown; moist; gravel fine to coarse with cobbles.		Portland Type I/II
0		HA-21 -4						4.0	Bottom of Boring @ 4 fbg

WELL LOG (PID) I:\PROJECT FILES\6-CHAR\31----\3122--\312264\312264-GINT\312264-GINT.GPJ DEFAULT.GDT 10/19/15

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BORING / WELL LOG

CLIENT NAME	Chevron Environmental Management Company	**BORING/WELL NAME**	HA-22
JOB/SITE NAME	Chevron #307233	**DRILLING STARTED**	17-Sep-15
LOCATION	2259 First Street, Livermore, California	**DRILLING COMPLETED**	17-Sep-15
PROJECT NUMBER	312264	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling and Testing, Inc., C-57 #485165	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Hand Auger	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2.5"	**SCREENED INTERVALS**	NA
LOGGED BY	B. Sandor	**DEPTH TO WATER (First Encountered)**	NA ▽
REVIEWED BY	Greg Barclay, P.G. 6260	**DEPTH TO WATER (Static)**	NA ▼
REMARKS			

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
0		HA-22 -1.5					**Sandy GRAVEL with silt**: Brown; moist; gravel fine to coarse with cobbles.		
0		HA-22 -4		5	GM				Portland Type I/II
0		HA-22 -7						7.0	Bottom of Boring @ 7 fbg

WELL LOG (PID) I:\PROJECT FILES\6-CHAR\31----\3122--\312264\312264-GINT\312264-GINT.GPJ DEFAULT.GDT 10/19/15

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BORING / WELL LOG

CLIENT NAME	Chevron Environmental Management Company	**BORING/WELL NAME**	HA-23
JOB/SITE NAME	Chevron #307233	**DRILLING STARTED**	14-Sep-15
LOCATION	2259 First Street, Livermore, California	**DRILLING COMPLETED**	14-Sep-15
PROJECT NUMBER	312264	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling and Testing, Inc., C-57 #485165	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Hand Auger	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2.5"	**SCREENED INTERVALS**	NA
LOGGED BY	B. Sandor	**DEPTH TO WATER (First Encountered)**	NA
REVIEWED BY	Greg Barclay, P.G. 6260	**DEPTH TO WATER (Static)**	NA
REMARKS			

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
0		HA-23 -0.5			GM		**Sandy GRAVEL with silt**: Brown; moist; gravel fine to coarse with cobbles.		Portland Type I/II
0		HA-23 -3						3.0	Bottom of Boring @ 3 fbg

WELL LOG (PID) I:\PROJECT FILES\6-CHAR\31----\3122--\312264\312264-GINT\312264-GINT.GPJ DEFAULT.GDT 10/19/15

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BORING / WELL LOG

CLIENT NAME	Chevron Environmental Management Company	**BORING/WELL NAME**	HA-24
JOB/SITE NAME	Chevron #307233	**DRILLING STARTED**	17-Sep-15
LOCATION	2259 First Street, Livermore, California	**DRILLING COMPLETED**	17-Sep-15
PROJECT NUMBER	312264	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling and Testing, Inc., C-57 #485165	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Direct push	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2.5"	**SCREENED INTERVALS**	NA
LOGGED BY	B. Sandor	**DEPTH TO WATER (First Encountered)**	NA ▽
REVIEWED BY	Greg Barclay, P.G. 6260	**DEPTH TO WATER (Static)**	NA ▼
REMARKS	Hand auger and airknife used from 0 to 8 fbg		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
0		HA-24 -0.5					**Sandy GRAVEL with silt**: Brown; dry; gravel fine to coarse with cobbles.		
				5	GM				
0		HA-24 -7							Portland Type I/II
				10					
								11.0	
					SM		**Silty SAND with clay**: Yellowish brown; moist; medium plasticity; fine sands.		
0		HA-24 -13						13.0	Bottom of Boring @ 13 fbg

WELL LOG (PID) I:\PROJECT FILES\6-CHAR\31----\3122--\312264\312264-GINT\312264-GINT.GPJ DEFAULT.GDT 10/19/15

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BORING / WELL LOG

CLIENT NAME	Chevron Environmental Management Company	**BORING/WELL NAME**	HA-25
JOB/SITE NAME	Chevron #307233	**DRILLING STARTED**	15-Sep-15
LOCATION	2259 First Street, Livermore, California	**DRILLING COMPLETED**	15-Sep-15
PROJECT NUMBER	312264	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling and Testing, Inc., C-57 #485165	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Hand Auger	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2.5"	**SCREENED INTERVALS**	NA
LOGGED BY	B. Sandor	**DEPTH TO WATER (First Encountered)**	NA
REVIEWED BY	Greg Barclay, P.G. 6260	**DEPTH TO WATER (Static)**	NA
REMARKS			

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
0		HA-25 -0.5					**Sandy GRAVEL with silt**: Brown; moist; gravel fine to coarse with cobbles.		
0		HA-25 -3			GM				Portland Type I/II
0		HA-25 -5		5				5.0	Bottom of Boring @ 5 fbg

WELL LOG (PID) I:\PROJECT FILES\6-CHAR\31----\3122--\312264\312264-GINT\312264-GINT.GPJ DEFAULT.GDT 10/19/15

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BORING / WELL LOG

CLIENT NAME	Chevron Environmental Management Company	**BORING/WELL NAME**	HA-26
JOB/SITE NAME	Chevron #307233	**DRILLING STARTED**	15-Sep-15
LOCATION	2259 First Street, Livermore, California	**DRILLING COMPLETED**	15-Sep-15
PROJECT NUMBER	312264	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling and Testing, Inc., C-57 #485165	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Hand Auger	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2.5"	**SCREENED INTERVALS**	NA
LOGGED BY	B. Sandor	**DEPTH TO WATER (First Encountered)**	NA
REVIEWED BY	Greg Barclay, P.G. 6260	**DEPTH TO WATER (Static)**	NA
REMARKS			

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
0		HA-26 -0.5			GM		**Sandy GRAVEL with silt** : Brown; moist; gravel fine to coarse with large cobbles.		Portland Type I/II
0		HA-26 -2						2.0	Bottom of Boring @ 2 fbg

WELL LOG (PID) I:\PROJECT FILES\6-CHAR\31----\3122--\312264\312264-GINT\312264-GINT.GPJ DEFAULT.GDT 10/19/15

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BORING / WELL LOG

CLIENT NAME	Chevron Environmental Management Company	**BORING/WELL NAME**	HA-27
JOB/SITE NAME	Chevron #307233	**DRILLING STARTED**	15-Sep-15
LOCATION	2259 First Street, Livermore, California	**DRILLING COMPLETED**	15-Sep-15
PROJECT NUMBER	312264	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling and Testing, Inc., C-57 #485165	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Hand Auger	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2.5"	**SCREENED INTERVALS**	NA
LOGGED BY	B. Sandor	**DEPTH TO WATER (First Encountered)**	NA
REVIEWED BY	Greg Barclay, P.G. 6260	**DEPTH TO WATER (Static)**	NA
REMARKS			

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
0		HA-27 -0.5			GM		**Sandy GRAVEL with silt**: Brown; moist; gravel fine to coarse with small to large cobbles.		Portland Type I/II
0		HA-27 -4						4.0	Bottom of Boring @ 4 fbg

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BORING / WELL LOG

CLIENT NAME	Chevron Environmental Management Company	**BORING/WELL NAME**	HA-28
JOB/SITE NAME	Chevron #307233	**DRILLING STARTED**	17-Sep-15
LOCATION	2259 First Street, Livermore, California	**DRILLING COMPLETED**	17-Sep-15
PROJECT NUMBER	312264	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling and Testing, Inc., C-57 #485165	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Hand Auger	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2.5"	**SCREENED INTERVALS**	NA
LOGGED BY	B. Sandor	**DEPTH TO WATER (First Encountered)**	NA ▽
REVIEWED BY	Greg Barclay, P.G. 6260	**DEPTH TO WATER (Static)**	NA ▼
REMARKS			

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
0.2		HA-28 -1.5					**Sandy GRAVEL with silt** : Brown; moist; gravel fine to coarse with cobbles.		
0.2		HA-28 -4			GM				Portland Type I/II
				5					
0.2		HA-28 -7						7.0	Bottom of Boring @ 7 fbg

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BORING / WELL LOG

CLIENT NAME	Chevron Environmental Management Company	**BORING/WELL NAME**	SB-13
JOB/SITE NAME	Chevron #307233	**DRILLING STARTED**	17-Sep-15
LOCATION	2259 First Street, Livermore, California	**DRILLING COMPLETED**	17-Sep-15
PROJECT NUMBER	312264	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling and Testing, Inc., C-57 #485165	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Direct push	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2.5"	**SCREENED INTERVALS**	NA
LOGGED BY	B. Sandor	**DEPTH TO WATER (First Encountered)**	23.00 fbg (17-Sep-15)
REVIEWED BY	Greg Barclay, P.G. 6260	**DEPTH TO WATER (Static)**	NA
REMARKS	Cleared by air-knife to 8 fbg		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
0.1				0	GM		**Sandy GRAVEL with silt**: Brown; dry; gravel fine to coarse.		
0.1				5				7.0	
0.1					SW		**Silty SAND with gravel**: Yellowish brown; dry; gravel fine to coarse.	8.0	
0				10	SM		**Sandy SILT**: Brown; dry; gravel fine to coarse.		
0								14.0	
0				15	SW		**Gravelly SAND with silt**: Brown; dry; fine to coarse gravel and fine to medium sands.		
0								18.0	Portland Type I/II
0				20			**Silty SAND with gravel**: Brown; dry; fine to coarse gravel and fine to medium sands.		

Continued Next Page

Attachment D
Laboratory Analytical Report

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

October 09, 2015

Project: 307233

Submittal Date: 09/19/2015
Group Number: 1594277
PO Number: 0015167993
Release Number: CMACLEOD

State of Sample Origin: CA

Client Sample Description	Lancaster Labs (LL) #
HA-8-S-0.5-150914 Grab Soil	8055175
HA-8-S-2-150914 Grab Soil	8055176
HA-9-S-1.5-150916 Grab Soil	8055177
HA-9-S-4-150916 Grab Soil	8055178
HA-10-S-2.5-150916 Grab Soil	8055179
HA-10-S-4-150916 Grab Soil	8055180
HA-11-S-2.5-150916 Grab Soil	8055181
HA-11-S-4-150916 Grab Soil	8055182
HA-11-S-7-150916 Grab Soil	8055183
HA-12-S-2.5-150916 Grab Soil	8055184
HA-12-S-4-150916 Grab Soil	8055185
HA-12-S-7-150916 Grab Soil	8055186
HA-13-S-0.5-150914 Grab Soil	8055187
HA-13-S-3-150914 Grab Soil	8055188
HA-14-S-0.5-150914 Grab Soil	8055189
HA-14-S-2-150914 Grab Soil	8055190
HA-15-S-0.5-150914 Grab Soil	8055191
HA-15-S-3-150914 Grab Soil	8055192
HA-16-S-0.5-150915 Grab Soil	8055193
HA-16-S-3-150915 Grab Soil	8055194
HA-17-S-1.5-150915 Grab Soil	8055195
HA-17-S-4-150915 Grab Soil	8055196
HA-18-S-2.5-150916 Grab Soil	8055197
HA-18-S-4-150916 Grab Soil	8055198
HA-19-S-0.5-150915 Grab Soil	8055199
HA-19-S-3-150915 Grab Soil	8055200
HA-19-S-5-150915 Grab Soil	8055201
HA-20-S-0.5-150915 Grab Soil	8055202
HA-20-S-2-150915 Grab Soil	8055203
HA-21-S-1.5-150915 Grab Soil	8055204

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HA-21-S-4-150915 Grab Soil	8055205
HA-22-S-1.5-150917 Grab Soil	8055206
HA-22-S-4-150917 Grab Soil	8055207
HA-22-S-7-150917 Grab Soil	8055208
HA-23-S-0.5-150914 Grab Soil	8055209
HA-23-S-3-150914 Grab Soil	8055210
HA-24-S-0.5-150917 Grab Soil	8055211
HA-24-S-7-150917 Grab Soil	8055212
HA-24-S-13-150917 Grab Soil	8055213
HA-25-S-0.5-150915 Grab Soil	8055214
HA-25-S-3-150915 Grab Soil	8055215
HA-25-S-5-150915 Grab Soil	8055216
HA-26-S-0.5-150915 Grab Soil	8055217
HA-26-S-2-150915 Grab Soil	8055218
HA-27-S-0.5-150915 Grab Soil	8055219
HA-27-S-4-150915 Grab Soil	8055220
HA-28-S-1.5-150917 Grab Soil	8055221
HA-28-S-4-150917 Grab Soil	8055222
HA-28-S-7-150917 Grab Soil	8055223
SB-13-S-35-150917 Grab Soil	8055224

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

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

ELECTRONIC COPY TO	GHD	Attn: Brian Silva
ELECTRONIC COPY TO	Chevron	Attn: Carryl MacLeod
ELECTRONIC COPY TO	Chevron	Attn: GHD EDD

Respectfully Submitted,

Amek Carter
Specialist

(717) 556-7252

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Analysis Report

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Sample Description: HA-8-S-0.5-150914 Grab Soil
Facility# 307233 CRAW
2259 First St-Livermore T0600196622

LL Sample # SW 8055175
LL Group # 1594277
Account # 10880

Project Name: 307233

Collected: 09/14/2015 11:55 by BS

Submitted: 09/19/2015 09:45
Reported: 10/09/2015 09:14

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

HA805

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06955	Lead	7439-92-1	267	0.308	1.44	1

General Sample Comments

CA ELAP Lab Certification No. 2792

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	152685708001	09/28/2015 08:27	Katlin N Cataldi	1
05708	ICP-ICPMS - SW, 3050B - U3	SW-846 3050B	1	152685708001	09/27/2015 22:54	Annamaria Kuhns	1

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

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Analysis Report

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Sample Description: HA-8-S-2-150914 Grab Soil
Facility# 307233 CRAW
2259 First St-Livermore T0600196622

LL Sample # SW 8055176
LL Group # 1594277
Account # 10880

Project Name: 307233

Collected: 09/14/2015 12:00 by BS

Submitted: 09/19/2015 09:45
Reported: 10/09/2015 09:14

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

HA82-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		mg/kg	mg/kg	mg/kg	
06955	Lead	7439-92-1	25.5	0.308	1.44	1

General Sample Comments

CA ELAP Lab Certification No. 2792

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	152685708001	09/28/2015 08:31	Katlin N Cataldi	1
05708	ICP-ICPMS - SW, 3050B - U3	SW-846 3050B	1	152685708001	09/27/2015 22:54	Annamaria Kuhns	1

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Analysis Report

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Sample Description: HA-9-S-1.5-150916 Grab Soil
Facility# 307233 CRAW
2259 First St-Livermore T0600196622

LL Sample # SW 8055177
LL Group # 1594277
Account # 10880

Project Name: 307233

Collected: 09/16/2015 08:40 by BS

Submitted: 09/19/2015 09:45
Reported: 10/09/2015 09:14

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

HA915

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06955	Lead	7439-92-1	36.7	0.317	1.49	1

General Sample Comments

CA ELAP Lab Certification No. 2792

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	152685708001	09/28/2015 08:34	Katlin N Cataldi	1
05708	ICP-ICPMS - SW, 3050B - U3	SW-846 3050B	1	152685708001	09/27/2015 22:54	Annamaria Kuhns	1

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Analysis Report

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Sample Description: HA-9-S-4-150916 Grab Soil
Facility# 307233 CRAW
2259 First St-Livermore T0600196622

LL Sample # SW 8055178
LL Group # 1594277
Account # 10880

Project Name: 307233

Collected: 09/16/2015 09:20 by BS

Submitted: 09/19/2015 09:45
Reported: 10/09/2015 09:14

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

HA94-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		mg/kg	mg/kg	mg/kg	
06955	Lead	7439-92-1	62.0	0.314	1.47	1

General Sample Comments

CA ELAP Lab Certification No. 2792

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	152685708001	09/28/2015 08:38	Katlin N Cataldi	1
05708	ICP-ICPMS - SW, 3050B - U3	SW-846 3050B	1	152685708001	09/27/2015 22:54	Annamaria Kuhns	1

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Analysis Report

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Sample Description: HA-10-S-2.5-150916 Grab Soil
Facility# 307233 CRAW
2259 First St-Livermore T0600196622

LL Sample # SW 8055179
LL Group # 1594277
Account # 10880

Project Name: 307233

Collected: 09/16/2015 09:30 by BS

Submitted: 09/19/2015 09:45
Reported: 10/09/2015 09:14

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

1025-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06955	Lead	7439-92-1	31.9	0.314	1.47	1

General Sample Comments

CA ELAP Lab Certification No. 2792

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	152685708002	09/28/2015 15:42	Eric L Eby	1
05708	ICP-ICPMS - SW, 3050B - U3	SW-846 3050B	1	152685708002	09/27/2015 21:59	Annamaria Kuhns	1

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Sample Description: HA-10-S-4-150916 Grab Soil
Facility# 307233 CRAW
2259 First St-Livermore T0600196622

LL Sample # SW 8055180
LL Group # 1594277
Account # 10880

Project Name: 307233

Collected: 09/16/2015 09:45 by BS

Submitted: 09/19/2015 09:45
Reported: 10/09/2015 09:14

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

104--

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06955	Lead	7439-92-1	120	0.308	1.44	1

General Sample Comments

CA ELAP Lab Certification No. 2792

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	152685708002	09/28/2015 15:46	Eric L Eby	1
05708	ICP-ICPMS - SW, 3050B - U3	SW-846 3050B	1	152685708002	09/27/2015 21:59	Annamaria Kuhns	1

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Sample Description: HA-11-S-2.5-150916 Grab Soil
Facility# 307233 CRAW
2259 First St-Livermore T0600196622

LL Sample # SW 8055181
LL Group # 1594277
Account # 10880

Project Name: 307233

Collected: 09/16/2015 09:55 by BS

Submitted: 09/19/2015 09:45
Reported: 10/09/2015 09:14

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

1125-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06955	Lead	7439-92-1	13.7	0.314	1.47	1

General Sample Comments

CA ELAP Lab Certification No. 2792

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	152685708002	09/28/2015 15:49	Eric L Eby	1
05708	ICP-ICPMS - SW, 3050B - U3	SW-846 3050B	1	152685708002	09/27/2015 21:59	Annamaria Kuhns	1

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Analysis Report

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Sample Description: HA-11-S-4-150916 Grab Soil
Facility# 307233 CRAW
2259 First St-Livermore T0600196622

LL Sample # SW 8055182
LL Group # 1594277
Account # 10880

Project Name: 307233

Collected: 09/16/2015 10:00 by BS

Submitted: 09/19/2015 09:45
Reported: 10/09/2015 09:14

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

11S4-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		mg/kg	mg/kg	mg/kg	
06955	Lead	7439-92-1	439	0.308	1.44	1

General Sample Comments

CA ELAP Lab Certification No. 2792

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	152685708002	09/28/2015 15:53	Eric L Eby	1
05708	ICP-ICPMS - SW, 3050B - U3	SW-846 3050B	1	152685708002	09/27/2015 21:59	Annamaria Kuhns	1

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Analysis Report

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Sample Description: HA-11-S-7-150916 Grab Soil
Facility# 307233 CRAW
2259 First St-Livermore T0600196622

LL Sample # SW 8055183
LL Group # 1594277
Account # 10880

Project Name: 307233

Collected: 09/16/2015 10:30 by BS

Submitted: 09/19/2015 09:45
Reported: 10/09/2015 09:14

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

11S7-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		mg/kg	mg/kg	mg/kg	
06955	Lead	7439-92-1	11.2	0.317	1.49	1

General Sample Comments

CA ELAP Lab Certification No. 2792

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	152685708002	09/28/2015 15:57	Eric L Eby	1
05708	ICP-ICPMS - SW, 3050B - U3	SW-846 3050B	1	152685708002	09/27/2015 21:59	Annamaria Kuhns	1

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Analysis Report

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Sample Description: HA-12-S-2.5-150916 Grab Soil
Facility# 307233 CRAW
2259 First St-Livermore T0600196622

LL Sample # SW 8055184
LL Group # 1594277
Account # 10880

Project Name: 307233

Collected: 09/16/2015 11:00 by BS

Submitted: 09/19/2015 09:45
Reported: 10/09/2015 09:14

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

1225-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06955	Lead	7439-92-1	16.1	0.317	1.49	1

General Sample Comments

CA ELAP Lab Certification No. 2792

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	152685708002	09/28/2015 16:00	Eric L Eby	1
05708	ICP-ICPMS - SW, 3050B - U3	SW-846 3050B	1	152685708002	09/27/2015 21:59	Annamaria Kuhns	1

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Analysis Report

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Sample Description: HA-12-S-4-150916 Grab Soil
Facility# 307233 CRAW
2259 First St-Livermore T0600196622

LL Sample # SW 8055185
LL Group # 1594277
Account # 10880

Project Name: 307233

Collected: 09/16/2015 11:10 by BS

Submitted: 09/19/2015 09:45
Reported: 10/09/2015 09:14

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

124--

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06955	Lead	7439-92-1	8.10	0.320	1.50	1

General Sample Comments

CA ELAP Lab Certification No. 2792

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	152685708002	09/28/2015 16:10	Eric L Eby	1
05708	ICP-ICPMS - SW, 3050B - U3	SW-846 3050B	1	152685708002	09/27/2015 21:59	Annamaria Kuhns	1

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Analysis Report

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Sample Description: HA-12-S-7-150916 Grab Soil
Facility# 307233 CRAW
2259 First St-Livermore T0600196622

LL Sample # SW 8055186
LL Group # 1594277
Account # 10880

Project Name: 307233

Collected: 09/16/2015 11:40 by BS

Submitted: 09/19/2015 09:45
Reported: 10/09/2015 09:14

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

127--

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06955	Lead	7439-92-1	6.62	0.308	1.44	1

General Sample Comments

CA ELAP Lab Certification No. 2792

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	152685708004	10/01/2015 04:04	Tara L Snyder	1
05708	ICP-ICPMS - SW, 3050B - U3	SW-846 3050B	1	152685708004	09/27/2015 22:27	Annamaria Kuhns	1

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Analysis Report

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Sample Description: HA-13-S-0.5-150914 Grab Soil
Facility# 307233 CRAW
2259 First St-Livermore T0600196622

LL Sample # SW 8055187
LL Group # 1594277
Account # 10880

Project Name: 307233

Collected: 09/14/2015 13:00 by BS

Submitted: 09/19/2015 09:45
Reported: 10/09/2015 09:14

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

13S05

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		mg/kg	mg/kg	mg/kg	
06955	Lead	7439-92-1	48.9	0.311	1.46	1

General Sample Comments

CA ELAP Lab Certification No. 2792

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	152685708004	10/01/2015 04:07	Tara L Snyder	1
05708	ICP-ICPMS - SW, 3050B - U3	SW-846 3050B	1	152685708004	09/27/2015 22:27	Annamaria Kuhns	1

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Analysis Report

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Sample Description: HA-13-S-3-150914 Grab Soil
Facility# 307233 CRAW
2259 First St-Livermore T0600196622

LL Sample # SW 8055188
LL Group # 1594277
Account # 10880

Project Name: 307233

Collected: 09/14/2015 14:00 by BS

Submitted: 09/19/2015 09:45
Reported: 10/09/2015 09:14

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

133--

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06955	Lead	7439-92-1	9.14	0.311	1.46	1

General Sample Comments

CA ELAP Lab Certification No. 2792

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	152685708004	10/01/2015 04:11	Tara L Snyder	1
05708	ICP-ICPMS - SW, 3050B - U3	SW-846 3050B	1	152685708004	09/27/2015 22:27	Annamaria Kuhns	1

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Analysis Report

REVISED

Sample Description: HA-14-S-0.5-150914 Grab Soil
Facility# 307233 CRAW
2259 First St-Livermore T0600196622

LL Sample # SW 8055189
LL Group # 1594277
Account # 10880

Project Name: 307233

Collected: 09/14/2015 15:15 by BS

Submitted: 09/19/2015 09:45
Reported: 10/09/2015 09:14

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

1405-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		mg/kg	mg/kg	mg/kg	
06955	Lead	7439-92-1	42.3	0.311	1.46	1

General Sample Comments

CA ELAP Lab Certification No. 2792

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	152685708004	10/01/2015 04:14	Tara L Snyder	1
05708	ICP-ICPMS - SW, 3050B - U3	SW-846 3050B	1	152685708004	09/27/2015 22:27	Annamaria Kuhns	1

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Analysis Report

REVISED

Sample Description: HA-14-S-2-150914 Grab Soil
Facility# 307233 CRAW
2259 First St-Livermore T0600196622

LL Sample # SW 8055190
LL Group # 1594277
Account # 10880

Project Name: 307233

Collected: 09/14/2015 15:20 by BS

Submitted: 09/19/2015 09:45
Reported: 10/09/2015 09:14

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

142--

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06955	Lead	7439-92-1	230	0.311	1.46	1

General Sample Comments

CA ELAP Lab Certification No. 2792

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	152685708004	10/01/2015 04:17	Tara L Snyder	1
05708	ICP-ICPMS - SW, 3050B - U3	SW-846 3050B	1	152685708004	09/27/2015 22:27	Annamaria Kuhns	1

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Analysis Report

REVISED

Sample Description: HA-15-S-0.5-150914 Grab Soil
Facility# 307233 CRAW
2259 First St-Livermore T0600196622

LL Sample # SW 8055191
LL Group # 1594277
Account # 10880

Project Name: 307233

Collected: 09/14/2015 15:30 by BS

Submitted: 09/19/2015 09:45
Reported: 10/09/2015 09:14

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

1505-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		mg/kg	mg/kg	mg/kg	
06955	Lead	7439-92-1	53.0	0.314	1.47	1

General Sample Comments

CA ELAP Lab Certification No. 2792

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	152685708004	10/01/2015 04:21	Tara L Snyder	1
05708	ICP-ICPMS - SW, 3050B - U3	SW-846 3050B	1	152685708004	09/27/2015 22:27	Annamaria Kuhns	1

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Analysis Report

REVISED

Sample Description: HA-15-S-3-150914 Grab Soil
Facility# 307233 CRAW
2259 First St-Livermore T0600196622

LL Sample # SW 8055192
LL Group # 1594277
Account # 10880

Project Name: 307233

Collected: 09/14/2015 15:50 by BS

Submitted: 09/19/2015 09:45
Reported: 10/09/2015 09:14

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

153--

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06955	Lead	7439-92-1	102	0.317	1.49	1

General Sample Comments

CA ELAP Lab Certification No. 2792

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	152685708004	10/01/2015 04:24	Tara L Snyder	1
05708	ICP-ICPMS - SW, 3050B - U3	SW-846 3050B	1	152685708004	09/27/2015 22:27	Annamaria Kuhns	1

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Analysis Report

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Sample Description: HA-16-S-0.5-150915 Grab Soil
Facility# 307233 CRAW
2259 First St-Livermore T0600196622

LL Sample # SW 8055193
LL Group # 1594277
Account # 10880

Project Name: 307233

Collected: 09/15/2015 08:45 by BS

Submitted: 09/19/2015 09:45
Reported: 10/09/2015 09:14

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

1605-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06955	Lead	7439-92-1	24.5	0.320	1.50	1

General Sample Comments

CA ELAP Lab Certification No. 2792

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	152685708004	10/01/2015 04:28	Tara L Snyder	1
05708	ICP-ICPMS - SW, 3050B - U3	SW-846 3050B	1	152685708004	09/27/2015 22:27	Annamaria Kuhns	1

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Analysis Report

REVISED

Sample Description: HA-16-S-3-150915 Grab Soil
Facility# 307233 CRAW
2259 First St-Livermore T0600196622

LL Sample # SW 8055194
LL Group # 1594277
Account # 10880

Project Name: 307233

Collected: 09/15/2015 09:45 by BS

Submitted: 09/19/2015 09:45
Reported: 10/09/2015 09:14

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

163--

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06955	Lead	7439-92-1	7.23	0.317	1.49	1

General Sample Comments

CA ELAP Lab Certification No. 2792

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	152685708004	10/01/2015 04:31	Tara L Snyder	1
05708	ICP-ICPMS - SW, 3050B - U3	SW-846 3050B	1	152685708004	09/27/2015 22:27	Annamaria Kuhns	1

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Analysis Report

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Sample Description: HA-17-S-1.5-150915 Grab Soil
Facility# 307233 CRAW
2259 First St-Livermore T0600196622

LL Sample # SW 8055195
LL Group # 1594277
Account # 10880

Project Name: 307233

Collected: 09/15/2015 15:45 by BS

Submitted: 09/19/2015 09:45
Reported: 10/09/2015 09:14

ChevronTexaco
6001 Bollinger Canyon Rd L4310
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17S15

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06955	Lead	7439-92-1	38.0	0.311	1.46	1

General Sample Comments

CA ELAP Lab Certification No. 2792

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	152685708004	10/01/2015 04:41	Tara L Snyder	1
05708	ICP-ICPMS - SW, 3050B - U3	SW-846 3050B	1	152685708004	09/27/2015 22:27	Annamaria Kuhns	1

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Analysis Report

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Sample Description: HA-17-S-4-150915 Grab Soil
Facility# 307233 CRAW
2259 First St-Livermore T0600196622

LL Sample # SW 8055196
LL Group # 1594277
Account # 10880

Project Name: 307233

Collected: 09/15/2015 16:00 by BS

Submitted: 09/19/2015 09:45
Reported: 10/09/2015 09:14

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

174--

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06955	Lead	7439-92-1	16.0	0.314	1.47	1

General Sample Comments

CA ELAP Lab Certification No. 2792

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	152715708003	09/30/2015 15:42	Suzanne M Will	1
05708	ICP-ICPMS - SW, 3050B - U3	SW-846 3050B	1	152715708003	09/28/2015 21:59	Annamaria Kuhns	1

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Analysis Report

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Sample Description: HA-18-S-2.5-150916 Grab Soil
Facility# 307233 CRAW
2259 First St-Livermore T0600196622

LL Sample # SW 8055197
LL Group # 1594277
Account # 10880

Project Name: 307233

Collected: 09/16/2015 13:30 by BS

Submitted: 09/19/2015 09:45
Reported: 10/09/2015 09:14

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

1825-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06955	Lead	7439-92-1	18.8	0.311	1.46	1

General Sample Comments

CA ELAP Lab Certification No. 2792

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	152715708003	09/30/2015 15:58	Suzanne M Will	1
05708	ICP-ICPMS - SW, 3050B - U3	SW-846 3050B	1	152715708003	09/28/2015 21:59	Annamaria Kuhns	1

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Analysis Report

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Sample Description: HA-18-S-4-150916 Grab Soil
Facility# 307233 CRAW
2259 First St-Livermore T0600196622

LL Sample # SW 8055198
LL Group # 1594277
Account # 10880

Project Name: 307233

Collected: 09/16/2015 13:55 by BS

Submitted: 09/19/2015 09:45
Reported: 10/09/2015 09:14

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

184--

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06955	Lead	7439-92-1	41.4	0.317	1.49	1

General Sample Comments

CA ELAP Lab Certification No. 2792

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	152715708003	09/30/2015 16:01	Suzanne M Will	1
05708	ICP-ICPMS - SW, 3050B - U3	SW-846 3050B	1	152715708003	09/28/2015 21:59	Annamaria Kuhns	1

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Analysis Report

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Sample Description: HA-19-S-0.5-150915 Grab Soil
Facility# 307233 CRAW
2259 First St-Livermore T0600196622

LL Sample # SW 8055199
LL Group # 1594277
Account # 10880

Project Name: 307233

Collected: 09/15/2015 11:30 by BS

Submitted: 09/19/2015 09:45
Reported: 10/09/2015 09:14

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

1905-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06955	Lead	7439-92-1	14.5	0.317	1.49	1

General Sample Comments

CA ELAP Lab Certification No. 2792

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	152715708003	09/30/2015 16:09	Suzanne M Will	1
05708	ICP-ICPMS - SW, 3050B - U3	SW-846 3050B	1	152715708003	09/28/2015 21:59	Annamaria Kuhns	1

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REVISED

Sample Description: HA-19-S-3-150915 Grab Soil
Facility# 307233 CRAW
2259 First St-Livermore T0600196622

LL Sample # SW 8055200
LL Group # 1594277
Account # 10880

Project Name: 307233

Collected: 09/15/2015 11:40 by BS

Submitted: 09/19/2015 09:45
Reported: 10/09/2015 09:14

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

193--

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06955	Lead	7439-92-1	4,990	3.17	14.9	10

At the client's request this sample was redigested in duplicate for lead with results of 1,340 mg/kg and 2,606 mg/kg. The variation in the lead results may be due to non-homogeneity.

General Sample Comments

CA ELAP Lab Certification No. 2792

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	152715708003	10/01/2015 18:33	Suzanne M Will	10
05708	ICP-ICPMS - SW, 3050B - U3	SW-846 3050B	1	152715708003	09/28/2015 21:59	Annamaria Kuhns	1
05708	ICP-ICPMS - SW, 3050B - U3	SW-846 3050B	2	152795708005	10/07/2015 07:25	James L Mertz	1

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Analysis Report

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Sample Description: HA-19-S-5-150915 Grab Soil
Facility# 307233 CRAW
2259 First St-Livermore T0600196622

LL Sample # SW 8055201
LL Group # 1594277
Account # 10880

Project Name: 307233

Collected: 09/15/2015 12:00 by BS

Submitted: 09/19/2015 09:45
Reported: 10/09/2015 09:14

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

195--

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06955	Lead	7439-92-1	19.5	0.308	1.44	1

General Sample Comments

CA ELAP Lab Certification No. 2792

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	152715708003	09/30/2015 16:14	Suzanne M Will	1
05708	ICP-ICPMS - SW, 3050B - U3	SW-846 3050B	1	152715708003	09/28/2015 21:59	Annamaria Kuhns	1

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Analysis Report

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Sample Description: HA-20-S-0.5-150915 Grab Soil
Facility# 307233 CRAW
2259 First St-Livermore T0600196622

LL Sample # SW 8055202
LL Group # 1594277
Account # 10880

Project Name: 307233

Collected: 09/15/2015 09:55 by BS

Submitted: 09/19/2015 09:45
Reported: 10/09/2015 09:14

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

2005-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06955	Lead	7439-92-1	338	0.311	1.46	1

General Sample Comments

CA ELAP Lab Certification No. 2792

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	152715708003	09/30/2015 16:17	Suzanne M Will	1
05708	ICP-ICPMS - SW, 3050B - U3	SW-846 3050B	1	152715708003	09/28/2015 21:59	Annamaria Kuhns	1

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Analysis Report

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Sample Description: HA-20-S-2-150915 Grab Soil
Facility# 307233 CRAW
2259 First St-Livermore T0600196622

LL Sample # SW 8055203
LL Group # 1594277
Account # 10880

Project Name: 307233

Collected: 09/15/2015 10:00 by BS

Submitted: 09/19/2015 09:45
Reported: 10/09/2015 09:14

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

202--

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06955	Lead	7439-92-1	61.1	0.308	1.44	1

General Sample Comments

CA ELAP Lab Certification No. 2792

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	152715708003	09/30/2015 16:19	Suzanne M Will	1
05708	ICP-ICPMS - SW, 3050B - U3	SW-846 3050B	1	152715708003	09/28/2015 21:59	Annamaria Kuhns	1

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Analysis Report

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Sample Description: HA-21-S-1.5-150915 Grab Soil
Facility# 307233 CRAW
2259 First St-Livermore T0600196622

LL Sample # SW 8055204
LL Group # 1594277
Account # 10880

Project Name: 307233

Collected: 09/15/2015 12:40 by BS

Submitted: 09/19/2015 09:45
Reported: 10/09/2015 09:14

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

2115-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		mg/kg	mg/kg	mg/kg	
06955	Lead	7439-92-1	22.6	0.311	1.46	1

General Sample Comments

CA ELAP Lab Certification No. 2792

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	152715708003	09/30/2015 16:22	Suzanne M Will	1
05708	ICP-ICPMS - SW, 3050B - U3	SW-846 3050B	1	152715708003	09/28/2015 21:59	Annamaria Kuhns	1

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Analysis Report

REVISED

Sample Description: HA-21-S-4-150915 Grab Soil
Facility# 307233 CRAW
2259 First St-Livermore T0600196622

LL Sample # SW 8055205
LL Group # 1594277
Account # 10880

Project Name: 307233

Collected: 09/15/2015 15:30 by BS

Submitted: 09/19/2015 09:45
Reported: 10/09/2015 09:14

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

214--

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06955	Lead	7439-92-1	8.38	0.311	1.46	1

General Sample Comments

CA ELAP Lab Certification No. 2792

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	152715708003	09/30/2015 16:25	Suzanne M Will	1
05708	ICP-ICPMS - SW, 3050B - U3	SW-846 3050B	1	152715708003	09/28/2015 21:59	Annamaria Kuhns	1

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Analysis Report

REVISED

Sample Description: HA-22-S-1.5-150917 Grab Soil
Facility# 307233 CRAW
2259 First St-Livermore T0600196622

LL Sample # SW 8055206
LL Group # 1594277
Account # 10880

Project Name: 307233

Collected: 09/17/2015 08:00 by BS

Submitted: 09/19/2015 09:45
Reported: 10/09/2015 09:14

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

2215-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06955	Lead	7439-92-1	28.6	0.311	1.46	1

General Sample Comments

CA ELAP Lab Certification No. 2792

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	152715708003	09/30/2015 16:27	Suzanne M Will	1
05708	ICP-ICPMS - SW, 3050B - U3	SW-846 3050B	1	152715708003	09/28/2015 21:59	Annamaria Kuhns	1

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Analysis Report

REVISED

Sample Description: HA-22-S-4-150917 Grab Soil
Facility# 307233 CRAW
2259 First St-Livermore T0600196622

LL Sample # SW 8055207
LL Group # 1594277
Account # 10880

Project Name: 307233

Collected: 09/17/2015 09:05 by BS

Submitted: 09/19/2015 09:45
Reported: 10/09/2015 09:14

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

224--

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06955	Lead	7439-92-1	265	0.314	1.47	1

General Sample Comments

CA ELAP Lab Certification No. 2792

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	152715708003	09/30/2015 16:30	Suzanne M Will	1
05708	ICP-ICPMS - SW, 3050B - U3	SW-846 3050B	1	152715708003	09/28/2015 21:59	Annamaria Kuhns	1

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Analysis Report

REVISED

Sample Description: HA-22-S-7-150917 Grab Soil
Facility# 307233 CRAW
2259 First St-Livermore T0600196622

LL Sample # SW 8055208
LL Group # 1594277
Account # 10880

Project Name: 307233

Collected: 09/17/2015 09:50 by BS

Submitted: 09/19/2015 09:45
Reported: 10/09/2015 09:14

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

227--

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06955	Lead	7439-92-1	26.6	0.311	1.46	1

General Sample Comments

CA ELAP Lab Certification No. 2792

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	152715708003	09/30/2015 16:33	Suzanne M Will	1
05708	ICP-ICPMS - SW, 3050B - U3	SW-846 3050B	1	152715708003	09/28/2015 21:59	Annamaria Kuhns	1

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Analysis Report

REVISED

Sample Description: HA-23-S-0.5-150914 Grab Soil
Facility# 307233 CRAW
2259 First St-Livermore T0600196622

LL Sample # SW 8055209
LL Group # 1594277
Account # 10880

Project Name: 307233

Collected: 09/14/2015 14:25 by BS

Submitted: 09/19/2015 09:45
Reported: 10/09/2015 09:14

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

2305-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06955	Lead	7439-92-1	50.9	0.311	1.46	1

General Sample Comments

CA ELAP Lab Certification No. 2792

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	152715708003	09/30/2015 16:41	Suzanne M Will	1
05708	ICP-ICPMS - SW, 3050B - U3	SW-846 3050B	1	152715708003	09/28/2015 21:59	Annamaria Kuhns	1

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Analysis Report

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Sample Description: HA-23-S-3-150914 Grab Soil
Facility# 307233 CRAW
2259 First St-Livermore T0600196622

LL Sample # SW 8055210
LL Group # 1594277
Account # 10880

Project Name: 307233

Collected: 09/14/2015 15:00 by BS

Submitted: 09/19/2015 09:45
Reported: 10/09/2015 09:14

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

233--

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06955	Lead	7439-92-1	55.3	0.311	1.46	1

General Sample Comments

CA ELAP Lab Certification No. 2792

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	152715708003	09/30/2015 16:43	Suzanne M Will	1
05708	ICP-ICPMS - SW, 3050B - U3	SW-846 3050B	1	152715708003	09/28/2015 21:59	Annamaria Kuhns	1

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Analysis Report

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Sample Description: HA-24-S-0.5-150917 Grab Soil
Facility# 307233 CRAW
2259 First St-Livermore T0600196622

LL Sample # SW 8055211
LL Group # 1594277
Account # 10880

Project Name: 307233

Collected: 09/17/2015 13:10 by BS

Submitted: 09/19/2015 09:45
Reported: 10/09/2015 09:14

ChevronTexaco
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2405-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06955	Lead	7439-92-1	36.3	0.314	1.47	1

General Sample Comments

CA ELAP Lab Certification No. 2792

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	152715708003	09/30/2015 16:46	Suzanne M Will	1
05708	ICP-ICPMS - SW, 3050B - U3	SW-846 3050B	1	152715708003	09/28/2015 21:59	Annamaria Kuhns	1

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Analysis Report

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Sample Description: HA-24-S-7-150917 Grab Soil
Facility# 307233 CRAW
2259 First St-Livermore T0600196622

LL Sample # SW 8055212
LL Group # 1594277
Account # 10880

Project Name: 307233

Collected: 09/17/2015 14:00 by BS

Submitted: 09/19/2015 09:45
Reported: 10/09/2015 09:14

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

247--

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06955	Lead	7439-92-1	73.8	0.311	1.46	1

General Sample Comments

CA ELAP Lab Certification No. 2792

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	152715708003	09/30/2015 16:49	Suzanne M Will	1
05708	ICP-ICPMS - SW, 3050B - U3	SW-846 3050B	1	152715708003	09/28/2015 21:59	Annamaria Kuhns	1

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Analysis Report

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Sample Description: HA-24-S-13-150917 Grab Soil
Facility# 307233 CRAW
2259 First St-Livermore T0600196622

LL Sample # SW 8055213
LL Group # 1594277
Account # 10880

Project Name: 307233

Collected: 09/17/2015 15:20 by BS

Submitted: 09/19/2015 09:45
Reported: 10/09/2015 09:14

ChevronTexaco
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2413-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06955	Lead	7439-92-1	11.0	0.311	1.46	1

General Sample Comments

CA ELAP Lab Certification No. 2792

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	152715708003	09/30/2015 16:51	Suzanne M Will	1
05708	ICP-ICPMS - SW, 3050B - U3	SW-846 3050B	1	152715708003	09/28/2015 21:59	Annamaria Kuhns	1

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Analysis Report

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Sample Description: HA-25-S-0.5-150915 Grab Soil
Facility# 307233 CRAW
2259 First St-Livermore T0600196622

LL Sample # SW 8055214
LL Group # 1594277
Account # 10880

Project Name: 307233

Collected: 09/15/2015 10:30 by BS

Submitted: 09/19/2015 09:45
Reported: 10/09/2015 09:14

ChevronTexaco
6001 Bollinger Canyon Rd L4310
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2505-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06955	Lead	7439-92-1	10.5	0.317	1.49	1

General Sample Comments

CA ELAP Lab Certification No. 2792

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	152715708003	09/30/2015 16:54	Suzanne M Will	1
05708	ICP-ICPMS - SW, 3050B - U3	SW-846 3050B	1	152715708003	09/28/2015 21:59	Annamaria Kuhns	1

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Analysis Report

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Sample Description: HA-25-S-3-150915 Grab Soil
Facility# 307233 CRAW
2259 First St-Livermore T0600196622

LL Sample # SW 8055215
LL Group # 1594277
Account # 10880

Project Name: 307233

Collected: 09/15/2015 11:00 by BS

Submitted: 09/19/2015 09:45
Reported: 10/09/2015 09:14

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

253--

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06955	Lead	7439-92-1	11.7	0.308	1.44	1

General Sample Comments

CA ELAP Lab Certification No. 2792

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	152715708003	09/30/2015 16:57	Suzanne M Will	1
05708	ICP-ICPMS - SW, 3050B - U3	SW-846 3050B	1	152715708003	09/28/2015 21:59	Annamaria Kuhns	1

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Analysis Report

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Sample Description: HA-25-S-5-150915 Grab Soil
Facility# 307233 CRAW
2259 First St-Livermore T0600196622

LL Sample # SW 8055216
LL Group # 1594277
Account # 10880

Project Name: 307233

Collected: 09/15/2015 11:10 by BS

Submitted: 09/19/2015 09:45
Reported: 10/09/2015 09:14

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

255--

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06955	Lead	7439-92-1	9.44	0.314	1.47	1

General Sample Comments

CA ELAP Lab Certification No. 2792

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	152715708004	09/30/2015 18:09	Elaine F Stoltzfus	1
05708	ICP-ICPMS - SW, 3050B - U3	SW-846 3050B	1	152715708004	09/28/2015 22:26	Annamaria Kuhns	1

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Analysis Report

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Sample Description: HA-26-S-0.5-150915 Grab Soil
Facility# 307233 CRAW
2259 First St-Livermore T0600196622

LL Sample # SW 8055217
LL Group # 1594277
Account # 10880

Project Name: 307233

Collected: 09/15/2015 10:10 by BS

Submitted: 09/19/2015 09:45
Reported: 10/09/2015 09:14

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

2605-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06955	Lead	7439-92-1	19.0	0.317	1.49	1

General Sample Comments

CA ELAP Lab Certification No. 2792

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	152715708004	09/30/2015 18:25	Elaine F Stoltzfus	1
05708	ICP-ICPMS - SW, 3050B - U3	SW-846 3050B	1	152715708004	09/28/2015 22:26	Annamaria Kuhns	1

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Analysis Report

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Sample Description: HA-26-S-2-150915 Grab Soil
Facility# 307233 CRAW
2259 First St-Livermore T0600196622

LL Sample # SW 8055218
LL Group # 1594277
Account # 10880

Project Name: 307233

Collected: 09/15/2015 10:20 by BS

Submitted: 09/19/2015 09:45
Reported: 10/09/2015 09:14

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

-262-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06955	Lead	7439-92-1	498	0.311	1.46	1

General Sample Comments

CA ELAP Lab Certification No. 2792

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	152715708004	09/30/2015 18:28	Elaine F Stoltzfus	1
05708	ICP-ICPMS - SW, 3050B - U3	SW-846 3050B	1	152715708004	09/28/2015 22:26	Annamaria Kuhns	1

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Analysis Report

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Sample Description: HA-27-S-0.5-150915 Grab Soil
Facility# 307233 CRAW
2259 First St-Livermore T0600196622

LL Sample # SW 8055219
LL Group # 1594277
Account # 10880

Project Name: 307233

Collected: 09/15/2015 13:30 by BS

Submitted: 09/19/2015 09:45
Reported: 10/09/2015 09:14

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

2705-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06955	Lead	7439-92-1	48.7	0.314	1.47	1

General Sample Comments

CA ELAP Lab Certification No. 2792

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	152715708004	09/30/2015 18:35	Elaine F Stoltzfus	1
05708	ICP-ICPMS - SW, 3050B - U3	SW-846 3050B	1	152715708004	09/28/2015 22:26	Annamaria Kuhns	1

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Analysis Report

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Sample Description: HA-27-S-4-150915 Grab Soil
Facility# 307233 CRAW
2259 First St-Livermore T0600196622

LL Sample # SW 8055220
LL Group # 1594277
Account # 10880

Project Name: 307233

Collected: 09/15/2015 14:15 by BS

Submitted: 09/19/2015 09:45
Reported: 10/09/2015 09:14

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

274--

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06955	Lead	7439-92-1	18.6	0.308	1.44	1

General Sample Comments

CA ELAP Lab Certification No. 2792

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	152715708004	09/30/2015 18:38	Elaine F Stoltzfus	1
05708	ICP-ICPMS - SW, 3050B - U3	SW-846 3050B	1	152715708004	09/28/2015 22:26	Annamaria Kuhns	1

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Analysis Report

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Sample Description: HA-28-S-1.5-150917 Grab Soil
Facility# 307233 CRAW
2259 First St-Livermore T0600196622

LL Sample # SW 8055221
LL Group # 1594277
Account # 10880

Project Name: 307233

Collected: 09/17/2015 11:05 by BS

Submitted: 09/19/2015 09:45
Reported: 10/09/2015 09:14

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

2815-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06955	Lead	7439-92-1	18.3	0.317	1.49	1

General Sample Comments

CA ELAP Lab Certification No. 2792

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	152715708004	09/30/2015 18:41	Elaine F Stoltzfus	1
05708	ICP-ICPMS - SW, 3050B - U3	SW-846 3050B	1	152715708004	09/28/2015 22:26	Annamaria Kuhns	1

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

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Analysis Report

REVISED

Sample Description: HA-28-S-4-150917 Grab Soil
Facility# 307233 CRAW
2259 First St-Livermore T0600196622

LL Sample # SW 8055222
LL Group # 1594277
Account # 10880

Project Name: 307233

Collected: 09/17/2015 11:30 by BS

Submitted: 09/19/2015 09:45
Reported: 10/09/2015 09:14

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

284--

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06955	Lead	7439-92-1	388	0.317	1.49	1

General Sample Comments

CA ELAP Lab Certification No. 2792

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	152715708004	09/30/2015 18:44	Elaine F Stoltzfus	1
05708	ICP-ICPMS - SW, 3050B - U3	SW-846 3050B	1	152715708004	09/28/2015 22:26	Annamaria Kuhns	1

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

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Analysis Report

REVISED

Sample Description: HA-28-S-7-150917 Grab Soil
Facility# 307233 CRAW
2259 First St-Livermore T0600196622

LL Sample # SW 8055223
LL Group # 1594277
Account # 10880

Project Name: 307233

Collected: 09/17/2015 11:55 by BS

Submitted: 09/19/2015 09:45
Reported: 10/09/2015 09:14

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

287--

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		**mg/kg**	**mg/kg**	**mg/kg**	
06955	Lead	7439-92-1	15.5	0.314	1.47	1

General Sample Comments

CA ELAP Lab Certification No. 2792

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	152715708004	09/30/2015 18:46	Elaine F Stoltzfus	1
05708	ICP-ICPMS - SW, 3050B - U3	SW-846 3050B	1	152715708004	09/28/2015 22:26	Annamaria Kuhns	1

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

REVISED

Sample Description: SB-13-S-35-150917 Grab Soil
Facility# 307233 CRAW
2259 First St-Livermore T0600196622

LL Sample # SW 8055224
LL Group # 1594277
Account # 10880

Project Name: 307233

Collected: 09/17/2015 16:20 by BS

Submitted: 09/19/2015 09:45
Reported: 10/09/2015 09:14

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

1335-

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	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

General Sample Comments

CA ELAP Lab Certification No. 2792

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	GRO C6-C12 BTEX, MTBE Soil	SW-846 8260B	1	B152672AA	09/24/2015 22:26	Christopher G Torres	0.96
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201526238862	09/19/2015 20:49	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201526238862	09/19/2015 20:49	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201526238862	09/19/2015 20:47	Mitchell R Washel	n.a.

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

REVISED

Quality Control Summary

Client Name: ChevronTexaco Group Number: 1594277
Reported: 10/09/2015 09:14

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: B152672AA	Sample number(s): 8055224								
Benzene	N.D.	0.0005	0.005	mg/kg	100	98	80-120	2	30
C6-C12-TPH-GRO	N.D.	0.044	0.11	mg/kg	86	82	80-174	5	30
Ethylbenzene	N.D.	0.001	0.005	mg/kg	101	98	80-120	3	30
Methyl Tertiary Butyl Ether	N.D.	0.0005	0.005	mg/kg	99	100	72-120	1	30
Toluene	N.D.	0.001	0.005	mg/kg	101	98	80-120	3	30
Xylene (Total)	N.D.	0.001	0.005	mg/kg	101	100	80-120	2	30
Batch number: 152685708001	Sample number(s): 8055175-8055178								
Lead	N.D.	0.320	1.50	mg/kg	103		80-120		
Batch number: 152685708002	Sample number(s): 8055179-8055185								
Lead	N.D.	0.320	1.50	mg/kg	106		80-120		
Batch number: 152685708004	Sample number(s): 8055186-8055195								
Lead	N.D.	0.320	1.50	mg/kg	105		80-120		
Batch number: 152715708003	Sample number(s): 8055196-8055215								
Lead	N.D.	0.320	1.50	mg/kg	100		80-120		
Batch number: 152715708004	Sample number(s): 8055216-8055223								
Lead	N.D.	0.320	1.50	mg/kg	101		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: 152685708001	Sample number(s): 8055175-8055178 UNSPK: P062486 BKG: P062486								
Lead	97	90	75-125	4	20	9.77	8.22	17	20
Batch number: 152685708002	Sample number(s): 8055179-8055185 UNSPK: P061715 BKG: P061715								
Lead	144*	117	75-125	6	20	44.5	45.8	3	20
Batch number: 152685708004	Sample number(s): 8055186-8055195 UNSPK: P063265 BKG: P063265								
Lead	73 (2)	118 (2)	75-125	6	20	101	116	14	20
Batch number: 152715708003	Sample number(s): 8055196-8055215 UNSPK: 8055196 BKG: 8055196								
Lead	85	79	75-125	3	20	16.0	17.2	7	20

*- 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.

REVISED

Quality Control Summary

Client Name: ChevronTexaco Group Number: 1594277
Reported: 10/09/2015 09:14

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: 152715708004	Sample number(s): 8055216-8055223 UNSPK: 8055216 BKG: 8055216								
Lead	86	89	75-125	2	20	9.44	7.67	21*	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: GRO C6-C12 BTEX, MTBE Soil
Batch number: B152672AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
8055224	107	96	97	91
Blank	110	102	95	92
LCS	104	100	98	98
LCSD	104	100	99	100
Limits:	50-141	54-135	52-141	50-131

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

Chevron California Region Analysis Request/Chain of Custody

eurofins | Lancaster Laboratories Environmental

Acct. # 10880 — For Eurofins Lancaster Laboratories Environmental use only — Group # 1594777 Sample # 8055175-224

Instructions on reverse side correspond with circled numbers.

(1) Client Information

Facility # 307233 — WBS

Site Address: 2259 First St. Livermore CA

Chevron PM: Cheryl Macleod — Lead Consultant: GHD

Consultant/Office: 10969 Trade Center Dr. ste. 107 Rancho Cordova, CA 95670

Consultant Project Mgr.: Brian Silva

Consultant Phone #: 916 889 8908

Sampler: B Sandor

(4) Matrix

(3) Grab / Composite

Sample Identification	Soil Depth	Collected Date	Collected Time	Grab	Composite	Soil (Sediment)	Water (Potable / Ground / NPDES / Surface)	Oil / Air	Total Number of Containers
HA-8-0.5	0.5	9/14/15	1155	X		X			1
HA-8-2	2	9/14/15	1200	X		X			1
HA-9-1.5	1.5	9/16/15	840	X		X			1
HA-9-4	4	9/16/15	920	X		X			1
HA-10-2.5	2.5	9/16/15	930	X		X			1
HA-10-4	4	9/16/15	945	X		X			1
HA-11-2.5	2.5	9/16/15	955	X		X			1
HA-11-4	4	9/16/15	1000	X		X			1
HA-11-7	7	9/16/15	1030	X		X			1
HA-12-2.5	2.5	9/16/15	1100	X		X			1

(5) Analyses Requested

BTEX + MTBE 8021 ☐ 8260 ☐ — TPH-GRO 8015 ☐ 8260 ☐ — TPH-DRO 8015 without Silica Gel Cleanup ☐ — TPH-DRO 8015 with Silica Gel Cleanup ☐ — 8260 Full Scan — Oxygenates ____ — Total Lead Method 6010 — Dissolved Lead Method ____

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 (circle if required)

Type I - Full — Type VI (Raw Data)

EDD (circle if required)

EDFFLAT (default) — Other: _____

Relinquished by	Date	Time	Received by	Date	Time
Brian Sandor	9/18/15	1500			
Relinquished by Commercial Carrier: UPS ____ FedEx X Other ____			Received by	9.19.15	945

Temperature Upon Receipt 1.1 - 3.0 °C

Custody Seals Intact? (Yes) No

(9)

Chevron California Region Analysis Request/Chain of Custody

eurofins | Lancaster Laboratories Environmental

Acct. # 10880 | For Eurofins Lancaster Laboratories Environmental use only | Group # 1574277 | Sample # 8055175-224

Instructions on reverse side correspond with circled numbers.

SCR #: _____

1 Client Information

Facility #	307233
WBS	
Site Address	2259 First St. Livermore CA
Chevron PM	Carryl Macleod
Lead Consultant	GHD
Consultant/Office	10969 Trade Center Dr. Ste. 107 Rancho Cordova, CA 95670
Consultant Project Mgr.	Brian Silva
Consultant Phone #	916 889-8908
Sampler	B Sandor

2 Sample Identification / 3 Grab / Composite / 4 Matrix / 5 Analyses Requested

Sample Identification	Soil Depth	Collected Date	Collected Time	Grab	Composite	Matrix: Soil	Total Number of Containers	Total Lead Method 6010
HA-12-4	4	9/14/15	1110	X		X	1	X
HA-12-7	7	9/14/15	1140	X		X	1	X
HA-13-0.5	0.5	9/14/15	1300	X		X	1	X
HA-13-3	3	9/14/15	1400	X		X	1	X
HA-14-0.5	0.5	9/14/15	1515	X		X	1	X
HA-14-2	2	9/14/15	1520	X		X	1	X
HA-15-0.5	0.5	9/14/15	1530	X		X	1	X
HA-15-3	3	9/14/15	1550	X		X	1	X
HA-16-0.5	0.5	9/15/15	945	X		X	1	X
HA-16-3	3	9/15/15	945	X		X	1	X

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

Analyses Requested: BTEX + MTBE 8260 ☐ | BTEX + MTBE 8021 ☐ | TPH-GRO 8260 ☐ | TPH-GRO 8015 ☐ | TPH-DRO 8015 without Silica Gel Cleanup ☐ | TPH-DRO 8015 with Silica Gel Cleanup ☐ | 8260 Full Scan | Oxygenates _____ | Total Lead Method 6010 | Dissolved Lead Method _____

- ☐ Results in Dry Weight
- ☐ J value reporting needed
- ☐ Must meet lowest detection limits possible for 8260 compounds
- ☐ 8021 MTBE Confirmation
- ☐ Confirm highest hit by 8260
- ☐ Confirm all hits by 8260
- ☐ Run _____ oxy's on highest hit
- ☐ Run _____ oxy's on all hits

6 Remarks

7 Turnaround Time Requested (TAT) (please circle)

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

8 Data Package (circle if required)

Type I - Full | Type VI (Raw Data)

EDD (circle if required)

EDFFLAT (default) | Other: _____

9

	Date	Time
Relinquished by: Bryan Sandor	9/18/15	1500
Received by:		
Relinquished by:		
Received by:		
Relinquished by:		
Received by:		
Relinquished by Commercial Carrier: UPS _____ FedEx X Other _____		
Received by:	9.19.15	945

Temperature Upon Receipt 1.1-2.0 °C

Custody Seals Intact? (Yes) No

Chevron California Region Analysis Request/Chain of Custody

eurofins | Lancaster Laboratories Environmental

Acct. # 10880 For Eurofins Lancaster Laboratories Environmental use only Group # 594277 Sample # 605175-224

Instructions on reverse side correspond with circled numbers.

1 Client Information

Facility # 307233 WBS

Site Address: 2259 First St. Livermore CA

Chevron PM: Carryl Macleod Lead Consultant: GHD

Consultant/Office: GHD/10969 Trade Center Dr. Ste. 107 Rancho Cordova, CA 95670

Consultant Project Mgr.: Brian Silva

Consultant Phone #: 916-889-8708

Sampler: B Sandor

4 Matrix

Sediment ☐ Ground ☐ Surface ☐ Potable ☐ NPDES ☐ Air ☐

3 Grab / Composite

2 Sample Identification

Sample Identification	Soil Depth	Collected Date	Collected Time	Grab	Composite	Soil	Water	Oil	Total Number of Containers
HA-17-1.5	1.5	9/15/15	1545	X		X			1
HA-17-4	4	9/15/15	1600	X		X			1
HA-18-2.5	2.5	9/16/15	1330	X		X			1
HA-18-4	4	9/16/15	1355	X		X			1
HA-19-0.5	0.5	9/15/15	1130	X		X			1
HA-19-3	3	9/15/15	1140	X		X			1
HA-19-5	5	9/15/15	1200	X		X			1
HA-20-0.5	0.5	9/15/15	955	X		X			1
HA-20-2	2	9/15/15	1000	X		X			1
HA-21-1.5	1.5	9/15/15	1240	X		X			1

5 Analyses Requested

BTEX + MTBE 8260 ☐ 8021 ☐ | TPH-GRO 8260 ☐ 8015 ☐ | TPH-DRO 8015 without Silica Gel Cleanup ☐ | TPH-DRO 8015 with Silica Gel Cleanup ☐ | 8260 Full Scan | Oxygenates ____ | Total Lead Method 6010 | Dissolved Lead Method ____

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 (circle if required)

Type I - Full | Type VI (Raw Data)

EDD (circle if required)

EDFFLAT (default) | Other: ____

Relinquished by	Date	Time	Received by	Date	Time
Bryan Sandor	9/18/15	1500			
Relinquished by Commercial Carrier: UPS ____ FedEx X Other ____			Received by	Date 9.19.15	Time 945

Temperature Upon Receipt 1.1-3.0 °C

Custody Seals Intact? (Yes) No

9

Chevron California Region Analysis Request/Chain of Custody

eurofins | Lancaster Laboratories

For Lancaster Laboratories use only
Acct. # 10880 Group # 1594277 Sample # 805175-224
Instructions on reverse side correspond with circled numbers.

1 Client Information

Facility # 307233 WBS
Site Address 2259 First St. Livermore CA
Chevron PM Carryl Macleod Lead Consultant GHD
Consultant/Office 10969 Trade Center Dr. Ste. 107 Rancho Cordova CA 95670
Consultant Project Mgr. Bryan Silva
Consultant Phone # 916-889-8908
Sampler B Sandor

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

2 Sample Identification	Collected Date	Collected Time	3 Grab	Composite	4 Matrix: Soil	Sediment	Water: Potable	Ground	Surface	NPDES	Oil	Air	Total Number of Containers	5 Analyses Requested: BTEX + MTBE 8260	TPH GRO 8260	TPH 8015 MOD DRO	Silica Gel Cleanup	8260 Full Scan	Oxygenates	Total Lead Method GOLD	Dissolved Lead Method
HA-21-4	9/15/15	1530	X		X								1							X	
HA-22-1.5	9/17/15	800	X		X								1							X	
HA-22-4	9/17/15	905	X		X								1							X	
HA-22-7	9/17/15	950	X		X								1							X	

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
Bryan Sandor	9/18/15	1500			
Relinquished by	Date	Time	Received by	Date	Time

Relinquished by Commerical Carrier: UPS _____ FedEx X Other _____
Temperature Upon Receipt 1.1-7.0 °C

Received by: [signature] Date 9.19.15 Time 945
Custody Seals Intact? (Yes) No

9

Chevron California Region Analysis Request/Chain of Custody

eurofins | Lancaster Laboratories Environmental

Acct. # 10880 For Eurofins Lancaster Laboratories Environmental use only Group # 1594277 Sample # 8055175-224

Instructions on reverse side correspond with circled numbers.

SCR #: ______

1 Client Information

Facility #: 307233 WBS:

Site Address: 2259 First St. Livermore CA

Chevron PM: Carryl MacLeod Lead Consultant: GHD

Consultant/Office: 10969 Trade Center Drive ste 107 Rancho Cordova CA 95670

Consultant Project Mgr.: Brian Silva

Consultant Phone #: 916 889 8908

Sampler: B Sandor

- ☐ 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 / 3 / 4 Matrix / 5 Analyses Requested / 6 Remarks

Sample Identification	Soil Depth	Collected Date	Collected Time	Grab	Composite	Soil (Sediment ☒)	Water (Potable / Ground)	NPDES / Surface	Oil / Air	Total Number of Containers	BTEX + MTBE 8021 ☐ 8260 ☐	TPH-GRO 8015 ☐ 8260 ☐	TPH-DRO 8015 without Silica Gel Cleanup	TPH-DRO 8015 with Silica Gel Cleanup	8260 Full Scan	Oxygenates	Total Lead Method 6010	Dissolved Lead Method				Remarks
HA-23-0.5	0.5	9/14/15	1425	X		X				1							X					
HA-23-3	3	9/14/15	1500	X		X				1							X					
HA-24-0.5	0.5	9/17/15	1310	X		X				1							X					
HA-24-7	7	9/17/15	1400	X		X				1							X					
HA-24-13	13	9/17/15	1520	X		X				1							X					
HA-25-0.5	0.5	9/15/15	1030	X		X				1							X					
HA-25-3	3	9/15/15	1100	X		X				1							X					
HA-25-5	5	9/15/15	1110	X		X				1							X					
HA-26-0.5	0.5	9/15/15	1010	X		X				1							X					
HA-26-2	2	9/15/15	1020	X		X				1							X					

7 Turnaround Time Requested (TAT) (please circle)

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

8 Data Package (circle if required)

Type I - Full Type VI (Raw Data)

EDD (circle if required)

EDFFLAT (default) Other: ______

9

Relinquished by	Date	Time	Received by	Date	Time
Bryan Sandor	9/18/15	1500			
Relinquished by Commercial Carrier: UPS ____ FedEx X Other ____			[signature]	9.19.15	945

Temperature Upon Receipt 1.1-3.0 °C

Custody Seals Intact? (Yes) No

Eurofins Lancaster Laboratories Environmental, LLC • 2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300

The white copy should accompany samples to Eurofins Lancaster Laboratories Environmental. The yellow copy should be retained by the client.

7050 0713

Chevron California Region Analysis Request/Chain of Custody

eurofins | Lancaster Laboratories

Acct. # 10880 Group # 1594277 Sample # 8055175-224

For Lancaster Laboratories use only

Instructions on reverse side correspond with circled numbers.

1 Client Information

Facility # 307233 WBS

Site Address 2259 First St. Livermore CA

Chevron PM Cheryl Macleod Lead Consultant GHD

Consultant/Office 10969 Trade Center Dr. Ste. 107 Rancho Cordova CA 95670

Consultant Project Mgr. Brian Silva

Consultant Phone # 916 889 8908

Sampler B Sandor

2 Sample Identification

3 Grab / Composite

4 Matrix

Soil / Sediment / Water (Potable / Ground / NPDES / Surface) / Oil / Air / Total Number of Containers

5 Analyses Requested

BTEX + MTBE 8021 / 8260 / TPH GRO 8015 / 8260 / TPH 8015 MOD DRO / Silica Gel Cleanup / 8260 Full Scan / Oxygenates / Total Lead Method 6010 / Dissolved Lead Method

Sample Identification	Collected Date	Collected Time	Grab	Composite	Soil	Water	Oil	Total Containers	BTEX + MTBE 8021	TPH GRO 8260	TPH 8015 MOD DRO	Silica Gel Cleanup	8260 Full Scan	Oxygenates	Total Lead 6010	Dissolved Lead
HA-27-0.5	9/15/15	1330	X		X			1							X	
HA-27-4	9/15/15	1415	X		X			1							X	
HA-28-1.5	9/17/15	1105	X		X			1							X	
HA-28-4	9/17/15	1130	X		X			1							X	
HA-28-7	9/17/15	1155	X		X			1							X	
SB-13-35	9/17/15	1620	X		X			1	X	X						

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)

9

Relinquished by	Date	Time	Received by	Date	Time
Bryan Sandor	9/18/15	1500			
Relinquished by	Date	Time	Received by	Date	Time

Relinquished by Commerical Carrier: UPS _____ FedEx X Other _____

Temperature Upon Receipt 1.1-3.0 °C

Received by _____ Date 9.19.15 Time 945

Custody Seals Intact? (Yes) No

Explanation of Symbols and Abbreviations

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

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

<	less than
>	greater than
ppm	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg) or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.
ppb	parts per billion
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

Laboratory Data Qualifiers:

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

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

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

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

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff.

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

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