Third Quarter 2013 Semi-Annual Groundwater Monitoring Report

376 Lewelling Boulevard
San Lorenzo, California
ACEH File No.: RO0000344
Case: Unocal #5760

Stantec

Prepared for:
Chevron Environmental
Management Company
6101 Bollinger Canyon Road
San Ramon, CA 94583

Prepared by:
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October 30, 2013

Timothy Bishop
Project Manager
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Chevron Environmental Management Company
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October 30, 2013

Mr. Keith Nowell
Alameda County Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502

Dear Mr. Nowell:

Attached for your review is the *Third Quarter 2013 Semi-Annual Groundwater Monitoring Report* for 376 Lewelling Boulevard in San Lorenzo, California (**ACEH File No.:** RO0000344; **Case:** Unocal #5760). This report was prepared by Stantec Consulting Services Inc. (Stantec), upon whose assistance and advice I have relied. I declare under penalty of perjury that the information and/or recommendations contained in the attached report are true and correct, to the best of my knowledge.

If you should have any further questions, please do not hesitate to contact me or the Stantec project manager, Sean Coyle, at (916) 861-0400 Ext. 222 or sean.coyle@stantec.com.

Sincerely,

Timothy Bishop
Project Manager

October 30, 2013

Attention: **Mr. Keith Nowell**
Alameda County Environmental Health
1131 Harbor Bay Parkway, Suite 250, Alameda, CA 94502

Reference: **Third Quarter 2013 Semi-Annual Groundwater Monitoring Report**
376 Lewelling Boulevard, San Lorenzo, California
ACEH File No.: RO0000344; **Case:** Unocal #5760

Dear Mr. Nowell:

On behalf of Chevron Environmental Management Company, for itself and as Attorney-in-Fact for Union Oil Company of California (hereinafter "EMC"), Stantec Consulting Services Inc. (Stantec) is pleased to submit the Third Quarter 2013 Semi-Annual Groundwater Monitoring Report for 376 Lewelling Boulevard, San Lorenzo, Alameda County, California (the Site - shown on **Figure 1**). This report is presented in three sections: Site Background, Third Quarter 2013 Groundwater Monitoring and Sampling Program, and Conclusions and Recommendations.

SITE BACKGROUND

The Site is an active 76-branded service station and auto repair shop located on the southeast corner at the intersection of Lewelling Boulevard and Usher Street in San Lorenzo, California. Current Site structures include two gasoline underground storage tanks (USTs) and one waste oil UST located in the southern portion of the Site, two fuel dispenser islands located in the northern portion of the Site, associated product piping, and a building housing two service bays located in the central portion of the Site. Land use near the Site consists of a mixture of commercial and residential properties. The Site is bounded on the north by Lewelling Boulevard, on the east by residential properties, on the south by an apartment building and parking lot, and on the west by Usher Street.

THIRD QUARTER 2013 GROUNDWATER MONITORING AND SAMPLING PROGRAM

Gettler-Ryan Inc. (G-R) performed the Third Quarter 2013 groundwater monitoring and sampling event on August 1, 2013. G-R's standard operating procedures (SOPs) and field data sheets are included in **Attachment A**. G-R gauged depth-to-groundwater in nine Site wells (U-1R, U-2, U-3R, and U-4 through U-9) prior to collecting groundwater samples for laboratory analysis. Five Site wells (U-1R, U-3R, U-6, U-7, and U-8) were sampled this quarter. Up-gradient wells U-2 and U-4 are used for depth-to-groundwater monitoring gauging only, and down-gradient wells U-5 and U-9 are scheduled to be sampled on an annual basis (during First Quarter).

Investigation-derived waste (IDW) generated during the Third Quarter 2013 groundwater monitoring and sampling event was transported by Clean Harbors Environmental Services to Seaport Environmental in Redwood City, California.

Groundwater Elevation and Gradient

Well construction details and an assessment of whether groundwater samples were collected when groundwater elevations were measured across the well screen intervals are presented in

Table 1. All Site wells are currently screened across the prevailing groundwater table, with the exception of well U-7, where the groundwater elevation is measured above the upper screen interval and the entire screen interval is currently submerged. Current and historical groundwater elevation data are presented in **Table 2**. A groundwater elevation contour map (based on Third Quarter 2013 data) is shown on **Figure 2**. The direction of groundwater flow at the time of sampling was generally towards the southwest at an approximate hydraulic gradient ranging from 0.002 to 0.010 feet per foot (ft/ft). This is consistent with the historical direction of groundwater flow, as shown by the Rose Diagram on **Figure 3** illustrating the generally southwest direction of groundwater flow from Fourth Quarter 2008 to present.

Schedule of Laboratory Analysis

Groundwater samples were collected and analyzed for the presence of total petroleum hydrocarbons as gasoline range organics (TPH-GRO), benzene, toluene, ethylbenzene, and total xylenes (BTEX compounds), fuel oxygenates, including methyl tertiary-butyl ether (MtBE), tertiary-butyl alcohol (TBA), tertiary-amyl methyl ether (TAME), ethyl tertiary-butyl ether (EtBE), di-isopropyl ether (DIPE), 1,2-dichloroethane (1,2-DCA), and 1,2-dibromoethane (1,2-DBA), and ethanol using United States Environmental Protection Agency (US EPA) Method 8260B (SW-846).

In addition, groundwater samples were analyzed for nitrate (NO_3^-) and sulfate (SO_4^{2-}) by US EPA Method 300.0, methane (CH_4) by RSK-175M, ferrous iron (Fe^{2+}) by SM-3500-FeD, total alkalinity by US EPA Method 310.1, and total sulfide by SM-4500SD to further evaluate if Site conditions are suitable for monitored natural attenuation (MNA). Field measurements of pre-purge and post-purge dissolved oxygen (DO) and oxidation-reduction potential (ORP) were collected using an in-line flow-through cell.

Groundwater Analytical Results

G-R collected groundwater samples from five Site wells (U-1R, U-3R, U-6, U-7, and U-8) this quarter. Current and historical groundwater analytical results are included in **Table 2** and **Table 3**. Current and historical MNA parameters are included in **Table 4**. A figure showing the latest groundwater analytical data plotted on a Site map is included as **Figure 4**. A TPH-GRO isoconcentration map is shown on **Figure 5**. An isoconcentration map was not developed for benzene as the concentration in well U-1R was below the California Regional Water Quality Control Board – San Francisco Bay Region Environmental Screening Level (ESL) of 1 microgram per liter (µg/L) and all other concentrations were below laboratory reporting limits (LRLs). In addition, an isoconcentration map was not developed for MtBE as concentrations were below LRLs in all Site wells sampled this quarter.

Certified laboratory analysis reports and chain-of-custody documents are included in **Attachment B**. Hydrographs based on current and historical groundwater elevations and analytical results for all wells that were sampled this quarter are included in **Attachment C**.
A summary of Third Quarter 2013 groundwater analytical results follows:

- **TPH-GRO** was detected in one Site well this quarter, at a concentration of 9,200 µg/L (well U-1R), which is within historical limits for this well.

- **Benzene** was detected in one Site well this quarter, at a concentration of 0.68 µg/L (well U-1R), which is within historical limits for this well.

- **Toluene** was not detected above the LRL (0.50 µg/L) in any Site well sampled this quarter.

- **Ethylbenzene** was detected in one Site well this quarter, at a concentration of 680 µg/L (well U-1R), which is within historical limits for this well.

- **Total Xylenes** were detected in one Site well this quarter, at a concentration of 5.9 µg/L (well U-1R), which is the lowest detected concentration for this well.

- **MtBE** was not detected above the LRL (0.50 µg/L) in any Site well sampled this quarter.

- **TBA** was not detected above the LRL (10 µg/L) in any Site well sampled this quarter.

- **TAME** was not detected above the LRL (0.50 µg/L) in any Site well sampled this quarter.

- **EtBE** was not detected above the LRL (0.50 µg/L) in any Site well sampled this quarter.

- **DIPE** was not detected above the LRL (0.50 µg/L) in any Site well sampled this quarter.

- **Ethanol** was not detected above the LRL (250 µg/L) in any Site well sampled this quarter.

- **1,2-DCA** was not detected above the LRL (0.50 µg/L) in any Site well sampled this quarter.

- **1,2-DBA** was not detected above the LRL (0.50 µg/L) in any Site well sampled this quarter.

Monitored Natural Attenuation Evaluation

An evaluation of MNA involves assessing a variety of physical, chemical, and biological processes that, under favorable conditions, may effectively reduce the mass, toxicity, mobility, volume, or concentration of constituents in soil or groundwater. For petroleum hydrocarbons, intrinsic biodegradation is typically the most important natural attenuation mechanism for the reduction of concentrations in groundwater. Intrinsic biodegradation involves the transfer of energy in the form of electrons by microorganisms in the subsurface. Bacteria use petroleum hydrocarbon constituents such as TPH, BTEX compounds, and MtBE as electron donors while DO, NO_3^-, ferric iron (Fe^{3+}), SO_4^{2-}, and carbon dioxide (CO_2), in order of preference, act as electron acceptors.

The geochemical parameters measured at the Site include DO; ORP; NO_3^-; Fe^{2+}, a metabolite of Fe^{3+} reduction; SO_4^{2-}; total sulfide, a metabolite of SO_4^{2-} reduction; CH_4, a metabolite of CO_2 reduction; and alkalinity. These parameters provide lines of evidence for evaluating MNA and determining the most likely biodegradation mechanisms utilized within the plume (e.g., Fe^{3+} reduction, SO_4^{2-} reduction, etc.). MNA parameters are summarized in **Table 4**.

During Third Quarter 2013, DO levels (post-purge) in the sampled wells ranged between 0.9 milligrams per liter (mg/L; well U-1R) and 2.0 mg/L (well U-7). Based on the most recent TPH isoconcentration figure created for the Site, the only well located within the dissolved-phase petroleum hydrocarbon plume is well U-1R which exhibited a DO level indicative of an anaerobic environment.

ORP levels (post-purge) ranged between 80 millivolts (mV; well U-8) and 112 mV (well U-6), which is indicative of oxidizing conditions.

Concentrations of NO_3^- ranged from 0.45 mg/L (well U-1R) to 48 mg/L (well U-8). Concentrations of SO_4^{2-} ranged from 2.4 mg/L (well U-1R) to 39 mg/L (well U-3R). Lower NO_3^- and SO_4^{2-}

concentrations were observed in the one well within the plume (well U-1R; and vice versa in wells outside the plume such as wells U-3R, U-6, U-7, and U-8), indicating that NO_3^- and SO_4^{2-} are likely being utilized as electron acceptors for biodegradation of dissolved-phase petroleum hydrocarbons by indigenous microbes.

Total sulfide concentrations in all five Site wells sampled this quarter were below the LRL of 0.10 mg/L. It is difficult to draw a conclusion with no detections, but this may indicate that SO_4^{2-} reduction has just begun to occur within the plume at the Site.

Concentrations of Fe^{2+} ranged from below the LRL of 100 µg/L (wells U-3R, U-7, and U-8) to 6,600 µg/L (well U-1R). Concentrations of CH_4 ranged from below the LRL of 0.0010 mg/L (wells U-6 through U-8) to 8.7 mg/L (well U-1R). Higher concentrations of metabolic by-products Fe^{2+} and CH_4 were observed in the one well within the plume (well U-1R; and vice versa in wells outside the plume). This indicates that Fe^{3+} and CO_2 reduction may be occurring within the plume.

Alkalinity levels ranged from 250 mg/L as calcium carbonate ($CaCO_3$; wells U-7 and U-8) to 520 mg/L as $CaCO_3$ (well U-1R). The enrichment of alkalinity in the one well within the plume (well U-1R) suggests dissolved-phase petroleum hydrocarbons are being utilized as electron donors in biodegradation.

CONCLUSIONS AND RECOMMENDATIONS

Concentrations were conservatively compared to ESLs for groundwater that is a current or potential source of drinking water, and concentrations of TPH-GRO and ethylbenzene in well U-1R exceeded the ESLs of 100 µg/L and 30 µg/L, respectively.

Maximum TPH-GRO and BTEX compound concentrations at the Site have historically been observed in wells U-1R and U-3R, which are located approximately 20 feet and 75 feet down-gradient of the USTs, respectively. During Third Quarter 2013, the only constituents detected above LRLs were TPH-GRO, benzene, ethylbenzene, and total xylenes, and they were only detected in well U-1R. Current and historical groundwater quality data indicate that the dissolved-phase petroleum hydrocarbon plume at the Site is well defined and stable or decreasing in size and concentration, with a historical low observed for total xylenes in well U-1R and all other detections within historical limits.

As documented in the *Additional Assessment Report and Remedial Action Plan*, dated August 16, 2010, and the *Results of Flow and Transport Modeling and Off-site Well Verification Activities*, dated January 7, 2011, Stantec recommended that natural attenuation with groundwater monitoring be the selected remedial approach to address residual petroleum hydrocarbons observed at the Site. Therefore, to evaluate MNA, Stantec recommended in the *Third Quarter 2011 Semi-Annual Groundwater Monitoring Report* that MNA parameters be added for analysis in all monitoring wells sampled as part of the semi-annual groundwater monitoring and sampling program at the Site.

MNA parameters were collected during the Third Quarter 2013 groundwater monitoring and sampling event. The review of common electron acceptors shows that Site conditions are favorable for intrinsic biodegradation of petroleum hydrocarbons by anaerobic degradation, which is likely contributing to some reduction in petroleum hydrocarbon concentrations at the Site. It appears that oxygen has been nearly consumed as an electron acceptor, and NO_3^- and Fe^{3+} reduction have likely become the dominant biodegradation processes within the dissolved-phase petroleum hydrocarbon plume.

Current and historical groundwater quality data indicate the dissolved-phase petroleum hydrocarbon plume at the Site is generally stable or decreasing in size; however, concentrations in well U-1R currently remain above ESLs for select constituents. Stantec recommended this Site be considered for closure under the recently adopted Low-Threat Closure Policy, and a *Low-Threat Closure Request* was submitted to Alameda County Environmental Health (ACEH) on April 16, 2013, for review and closure consideration. The ACEH responded in a letter dated June 14, 2013, and stated that the Site may be closeable under the Low-Threat Closure Policy and requested a meeting with Stantec and EMC to discuss remaining concerns, which was held on September 16, 2013. Stantec is currently reviewing historical files and working on a response to the topics and concerns discussed during the meeting.

Please feel free to contact me if you have any questions regarding the contents of this report.

Sincerely,
Stantec Consulting Services Inc.

Sean Coyle
Project Manager
Phone: (916) 861-0400 Ext. 222
Sean.Coyle@stantec.com

Attachments:

Table 1 – Well Details / Screen Interval Assessment – Third Quarter 2013
Table 2 – Groundwater Monitoring Data and Analytical Results
Table 3 – Additional Groundwater Analytical Results
Table 4 – Monitored Natural Attenuation Parameters

Figure 1 – Site Location Map
Figure 2 – Groundwater Elevation Contour Map – Third Quarter 2013
Figure 3 – Rose Diagram – Third Quarter 2013
Figure 4 – Site Plan Showing Groundwater Concentrations – Third Quarter 2013
Figure 5 – TPH-GRO Isoconcentration Map – Third Quarter 2013

Attachment A – Gettler-Ryan Inc. Field Data Sheets and Standard Operating Procedures – Third Quarter 2013
Attachment B – Certified Laboratory Analysis Reports and Chain-of-Custody Documents
Attachment C – Hydrographs

cc:

Mr. Timothy Bishop, EMC, 6101 Bollinger Canyon Road, San Ramon, CA 94583 – Electronic Copy

Ramesh and Promila Sood Trust, 7183 Fawn Hills Lane, Pleasanton, CA 94566

Ms. Cherie McCaulou, California Regional Water Quality Control Board – San Francisco Bay Region, 1515 Clay Street, Suite 1400, Oakland, CA 94612

This document entitled Third Quarter 2013 Semi-Annual Groundwater Monitoring Report was prepared by Stantec Consulting Services Inc. for the account of Chevron Environmental Management Company. The material in it reflects Stantec's best judgment in light of the information available to it at the time of preparation. Any use which a third party makes of this report, or any reliance on or decisions made based on it, are the responsibilities of such third parties. Stantec Consulting Services Inc. accepts no responsibility for damages, if any, suffered by any third party as a result of decisions made or actions based on this report.

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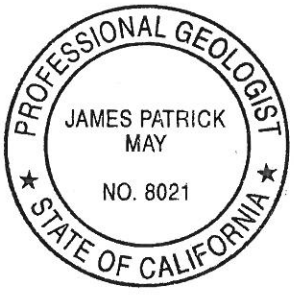

TABLES

Table 1
Well Details / Screen Interval Assessment
Third Quarter 2013
376 Lewelling Boulevard
San Lorenzo, California

Well ID	Date Installed	Well Type	Casing Diameter (inches)	Top of Casing (feet above msl)	Construction Well Depth (feet bgs)	Current Well Depth[1] (feet bgs)	Current Depth to Groundwater[1] (feet below TOC)	Screen Interval (feet bgs)	Screen Interval Assessment
U-1R	7/2007	Monitoring	2	42.65	25.00	24.58	17.73	10-25	Depth-to-groundwater within screen interval.
U-2	8/1990	Monitoring	3	43.65	30.00	29.83	18.51	15-30	Depth-to-groundwater data only. Depth-to-groundwater within screen interval.
U-3R	7/2007	Monitoring	2	41.58	25.00	24.62	16.78	10-25	Depth-to-groundwater within screen interval.
U-4	8/1990	Monitoring	3	42.69	28.00	24.85	17.60	15-28	Depth-to-groundwater data only. Depth-to-groundwater within screen interval.
U-5	3/1992	Monitoring	2	41.74	30.00	28.52	17.04	15-30	Depth-to-groundwater data only. Depth-to-groundwater within screen interval.
U-6	3/1992	Monitoring	2	40.07	28.00	28.31	15.47	13-28	Depth-to-groundwater within screen interval.
U-7	3/1992	Monitoring	2	39.50	35.00	34.80	14.99	15-35	Depth-to-groundwater above screen interval.
U-8	3/1992	Monitoring	2	40.95	30.00	28.79	16.05	15-30	Depth-to-groundwater within screen interval.
U-9	5/1993	Monitoring	2	39.72	28.00	28.10	15.33	13-28	Depth-to-groundwater data only. Depth-to-groundwater within screen interval.

Notes:
bgs = below ground surface
msl = mean sea level
TOC = top of casing
[1] = As measured prior to groundwater sampling on August 1, 2013.

Table 2
Groundwater Monitoring Data and Analytical Results
376 Lewelling Boulevard, San Lorenzo, CA

Date Sampled	TOC Elevation (feet amsl)	Depth to Water (feet bTOC)	LPH Thickness (feet)	Ground-Water Elevation (feet amsl)	Change in Elevation (feet)	TPH-GRO (8015B) (µg/L)	TPH-GRO (8260B) (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzen (µg/L)	Total Xylenes (µg/L)	MtBE (8021B) (µg/L)	MtBE (8260B) (µg/L)	Comments
U-1R														
7/6/2007	42.65	17.24	0	25.41	--	--	36000	7.2	8.3	2200	10000	--	ND<0.50	Gauged and sampled on 8/10/07
1/7/2008	42.65	16.51	0	26.14	0.73	--	28000	ND<12	ND<12	1900	7300	--	ND<12	
6/24/2008	42.65	17.56	0	25.09	-1.05	--	29000	ND<25	ND<25	2400	7900	--	ND<25	
8/29/2008	42.65	17.68	0	24.97	-0.12	--	35000	ND<25	ND<25	3000	8900	--	ND<25	
11/17/2008	42.65	18.10	0	24.55	-0.42	--	24000	ND<25	ND<25	2200	6300	--	ND<25	
3/13/2009	42.65	16.40	0	26.25	1.70	--	20000	ND<12	ND<12	1800	4400	--	ND<12	
5/1/2009	42.65	16.89	0	25.76	-0.49	--	17000	ND<12	ND<12	1600	3400	--	ND<12	
7/2/2009	42.65	17.35	0	25.30	-0.46	--	21000	ND<25	ND<25	1800	3500	--	ND<25	
1/18/2010	42.65	17.48	0	25.17	-0.13	--	12000	ND<12	ND<12	1200	1200	--	ND<12	
9/27/2010	42.65	17.42	0	25.23	0.06	--	11000	ND<12	ND<12	1200	970	--	ND<12	
3/8/2011	42.65	16.03	0	26.62	1.39	--	6000	ND<6.2	ND<6.2	750	270	--	ND<6.2	
8/24/2011	42.65	16.67	0	25.98	-0.64	--	8500[1]	ND<0.50	ND<0.50	990[1]	280[1]	--	ND<0.50	
2/16/2012	42.65	17.41	0	25.24	-0.74	--	2200[1]	0.55	ND<0.50	240[1]	140	--	ND<0.50	
8/6/2012	42.65	16.97	0	25.68	0.44	--	11000[1]	ND<2.5[1]	ND<2.5[1]	820[1]	58[1]	--	ND<2.5[1]	
1/30/2013	42.65	16.48	0	26.17	0.49	--	11000[1]	ND<6.2[1]	ND<6.2[1]	830[1]	ND<12[1]	--	ND<6.2[1]	
8/1/2013	**42.65**	**17.73**	**0**	**24.92**	**-1.25**	**--**	**9200[1]**	**0.68**	**ND<0.50**	**680[1]**	**5.9**	**--**	**ND<0.50**	
U-2														
8/23/1990	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
12/5/1990	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
3/4/1991	--	--	--	--	--	ND	--	ND	0.9	ND	2.6	--	--	
6/3/1991	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
9/19/1991	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
12/4/1991	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
3/5/1992	--	--	--	--	--	ND	--	ND	0.36	ND	ND	--	--	
4/7/1992	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
8/6/1992	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
11/20/1992	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
2/12/1993	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
6/4/1993	41.62	17.59	0	24.03	--	ND	--	ND	ND	ND	ND	--	--	
9/9/1993	41.62	18.68	0	22.94	-1.09	ND	--	ND	ND	ND	ND	--	--	
12/2/1993	41.26	19.23	0	22.03	-0.91	ND	--	ND	ND	ND	ND	--	--	
3/9/1994	41.26	18.05	0	23.21	1.18	62	--	1.1	5.4	1.1	9.7	--	--	
4/13/1994	41.26	18.18	0	23.08	-0.13	ND	--	ND	ND	ND	ND	--	--	
6/9/1994	41.26	18.26	0	23.00	-0.08	ND	--	ND	ND	ND	ND	--	--	
9/7/1994	41.26	19.28	0	21.98	-1.02	ND	--	ND	0.63	ND	0.61	--	--	
12/5/1994	41.26	18.82	0	22.44	0.46	ND	--	ND	ND	ND	ND	--	--	
3/9/1995	41.26	16.96	0	24.30	1.86	ND	--	ND	ND	ND	ND	ND	--	

Table 2
Groundwater Monitoring Data and Analytical Results
376 Lewelling Boulevard, San Lorenzo, CA

Date Sampled	TOC Elevation (feet amsl)	Depth to Water (feet bTOC)	LPH Thickness (feet)	Ground-Water Elevation (feet amsl)	Change in Elevation (feet)	TPH-GRO (8015B) (µg/L)	TPH-GRO (8260B) (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzen (µg/L)	Total Xylenes (µg/L)	MtBE (8021B) (µg/L)	MtBE (8260B) (µg/L)	Comments
U-2 continued														
6/13/1995	41.26	16.71	0	24.55	0.25	ND	--	ND	ND	ND	ND	ND	--	
9/12/1995	41.26	17.80	0	23.46	-1.09	ND	--	ND	ND	ND	ND	ND	--	
12/14/1995	41.26	18.18	0	23.08	-0.38	ND	--	ND	ND	ND	ND	ND	--	
3/20/1996	41.26	15.02	0	26.24	3.16	--	--	--	--	--	--	--	--	
9/24/1996	41.26	17.90	0	23.36	-2.88	--	--	--	--	--	--	--	--	
3/27/1997	41.26	16.45	0	24.81	1.45	ND	--	ND	ND	ND	ND	ND	--	
9/23/1997	41.26	18.40	0	22.86	-1.95	--	--	--	--	--	--	--	--	
3/10/1998	41.26	13.79	0	27.47	4.61	ND	--	ND	ND	ND	ND	ND	--	
9/4/1998	41.26	17.98	0	23.28	-4.19	--	--	--	--	--	--	--	--	
3/4/1999	41.26	14.96	0	26.30	3.02	ND	--	ND	ND	ND	ND	ND	--	
9/13/1999	41.26	18.25	0	23.01	-3.29	--	--	--	--	--	--	--	--	
3/21/2000	41.26	15.54	0	25.72	2.71	ND	--	ND	ND	ND	ND	ND	--	
9/18/2000	41.26	17.55	0	23.71	-2.01	--	--	--	--	--	--	--	--	
3/16/2001	41.26	17.06	0	24.20	0.49	--	--	--	--	--	--	--	--	
9/4/2001	41.26	18.39	0	22.87	-1.33	--	--	--	--	--	--	--	--	
3/18/2002	41.26	16.87	--	24.39	1.52	--	--	--	--	--	--	--	--	
9/17/2002	41.26	18.33	0	22.93	-1.46	--	--	--	--	--	--	--	--	
3/28/2003	41.26	16.95	0	24.31	1.38	--	--	--	--	--	--	--	--	
9/5/2003	41.26	18.00	0	23.26	-1.05	--	--	--	--	--	--	--	--	Monitored Only
3/4/2004	41.26	16.17	0	25.09	1.83	--	--	--	--	--	--	--	--	Monitored Only
9/9/2004	41.26	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible-car parked on well
3/1/2005	41.26	--	--	--	--	--	--	--	--	--	--	--	--	Car parked on well
8/2/2005	41.26	16.62	0	24.64	--	--	--	--	--	--	--	--	--	Monitored only
1/20/2006	41.26	16.24	0	25.02	0.38	--	--	--	--	--	--	--	--	Monitored only
7/11/2006	41.26	16.15	0	25.11	0.09	--	--	--	--	--	--	--	--	Monitored Only
3/9/2007	41.26	16.71	0	24.55	-0.56	--	--	--	--	--	--	--	--	Monitored Only
7/6/2007	43.65	17.80	0	25.85	1.30	--	--	--	--	--	--	--	--	Monitored Only
1/7/2008	43.65	17.73	0	25.92	0.07	--	--	--	--	--	--	--	--	Monitored Only
6/24/2008	43.65	18.00	0	25.65	-0.27	--	--	--	--	--	--	--	--	Monitored Only
8/29/2008	43.65	17.93	0	25.72	0.07	--	--	--	--	--	--	--	--	Monitored only
11/17/2008	43.65	18.85	0	24.80	-0.92	--	--	--	--	--	--	--	--	Monitored only
3/13/2009	43.65	17.20	0	26.45	1.65	--	--	--	--	--	--	--	--	Monitored only
5/1/2009	43.65	17.57	0	26.08	-0.37	--	--	--	--	--	--	--	--	Monitored only
7/2/2009	43.65	18.08	0	25.57	-0.51	--	--	--	--	--	--	--	--	Monitored only
1/18/2010	43.65	18.24	0	25.41	-0.16	--	--	--	--	--	--	--	--	Gauged only
9/27/2010	43.65	18.20	0	25.45	0.04	--	--	--	--	--	--	--	--	Gauge only
3/8/2011	43.65	16.92	0	26.73	1.28	--	--	--	--	--	--	--	--	Gauge only
8/24/2011	43.65	17.04	0	26.61	-0.12	--	--	--	--	--	--	--	--	Gauge only
2/16/2012	43.65	18.20	0	25.45	-1.16	--	--	--	--	--	--	--	--	Gauge only

Table 2
Groundwater Monitoring Data and Analytical Results
376 Lewelling Boulevard, San Lorenzo, CA

Date Sampled	TOC Elevation (feet amsl)	Depth to Water (feet bTOC)	LPH Thickness (feet)	Ground-Water Elevation (feet amsl)	Change in Elevation (feet)	TPH-GRO (8015B) (µg/L)	TPH-GRO (8260B) (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzen (µg/L)	Total Xylenes (µg/L)	MtBE (8021B) (µg/L)	MtBE (8260B) (µg/L)	Comments
U-2 continued														
8/6/2012	43.65	17.86	0	25.79	0.34	--	--	--	--	--	--	--	--	Gauge only
1/30/2013	43.65	17.23	0	26.42	0.63	--	--	--	--	--	--	--	--	Gauge only
8/1/2013	**43.65**	**18.51**	**0**	**25.14**	**-1.28**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**Gauge only**
U-3R														
7/6/2007	41.58	16.29	0	25.29	--	--	290	ND<0.50	ND<0.50	ND<0.50	0.99	--	ND<0.50	Gauged and sampled on 8/10/07
1/7/2008	41.58	15.46	0	26.12	0.83	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
6/24/2008	41.58	16.30	0	25.28	-0.84	--	99	ND<0.50	ND<0.50	11	2.5	--	ND<0.50	
8/29/2008	41.58	16.74	0	24.84	-0.44	--	1500	ND<0.50	ND<0.50	100	51	--	ND<0.50	
11/17/2008	41.58	17.13	0	24.45	-0.39	--	740	ND<0.50	ND<0.50	67	17	--	ND<0.50	
3/13/2009	41.58	15.40	0	26.18	1.73	--	1300	ND<0.50	ND<0.50	100	22	--	ND<0.50	
5/1/2009	41.58	15.81	0	25.77	-0.41	--	290	ND<0.50	ND<0.50	26	2.6	--	ND<0.50	
7/2/2009	41.58	16.35	0	25.23	-0.54	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
1/18/2010	41.58	16.50	0	25.08	-0.15	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
9/27/2010	41.58	16.45	0	25.13	0.05	--	480	ND<0.50	ND<0.50	33	ND<1.0	--	ND<0.50	
3/8/2011	41.58	15.07	0	26.51	1.38	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
8/24/2011	41.58	15.71	0	25.87	-0.64	--	670	ND<0.50	ND<0.50	28	ND<1.0	--	ND<0.50	
2/16/2012	41.58	16.45	0	25.13	-0.74	--	440	ND<0.50	ND<0.50	18	ND<1.0	--	ND<0.50	
8/6/2012	41.58	16.00	0	25.58	0.45	--	120	ND<0.50	ND<0.50	3.6	ND<1.0	--	ND<0.50	
1/30/2013	41.58	15.50	0	26.08	0.50	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
8/1/2013	**41.58**	**16.78**	**0**	**24.80**	**-1.28**	**--**	**ND<50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<1.0**	**--**	**ND<0.50**	
U-4														
8/23/1990	--	--	--	--	--	ND	--	ND	1.0	ND	1.8	--	--	
12/5/1990	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
1/18/1991	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
3/4/1991	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
6/3/1991	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
9/19/1991	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
12/4/1991	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
3/5/1992	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
4/7/1992	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
8/6/1992	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
11/20/1992	--	--	--	--	--	ND	--	ND	2.5	ND	ND	--	--	
2/12/1993	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
6/4/1993	40.53	16.73	0	23.80	--	ND	--	ND	ND	ND	ND	--	--	
9/9/1993	40.53	16.89	0	23.64	-0.16	ND	--	ND	ND	ND	ND	--	--	
12/2/1993	40.25	18.46	0	21.79	-1.85	ND	--	ND	ND	ND	2.6	--	--	
3/9/1994	40.25	17.30	0	22.95	1.16	ND	--	1.4	4.7	1.1	8.1	--	--	

Table 2
Groundwater Monitoring Data and Analytical Results
376 Lewelling Boulevard, San Lorenzo, CA

Date Sampled	TOC Elevation (feet amsl)	Depth to Water (feet bTOC)	LPH Thickness (feet)	Ground-Water Elevation (feet amsl)	Change in Elevation (feet)	TPH-GRO (8015B) (µg/L)	TPH-GRO (8260B) (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzen (µg/L)	Total Xylenes (µg/L)	MtBE (8021B) (µg/L)	MtBE (8260B) (µg/L)	Comments
U-4 continued														
4/13/1994	40.25	17.44	0	22.81	-0.14	ND	--	ND	ND	ND	ND	--	--	
6/9/1994	40.25	17.53	0	22.72	-0.09	ND	--	ND	ND	ND	ND	--	--	
9/7/1994	40.28	18.52	0	21.76	-0.96	ND	--	ND	1.1	ND	1.0	--	--	
12/5/1994	40.28	18.08	0	22.20	0.44	ND	--	ND	ND	ND	ND	--	--	
3/9/1995	40.28	16.16	0	24.12	1.92	ND	--	ND	ND	ND	ND	ND	--	
6/13/1995	40.25	15.95	0	24.30	0.18	ND	--	ND	ND	ND	ND	2.7	--	
9/12/1995	40.25	17.10	0	23.15	-1.15	ND	--	ND	ND	ND	ND	ND	--	
12/14/1995	40.25	17.43	0	22.82	-0.33	ND	--	ND	ND	ND	ND	1.3	--	
3/20/1996	40.25	14.93	0	25.32	2.50	--	--	--	--	--	--	--	--	
9/24/1996	40.25	17.19	0	23.06	-2.26	--	--	--	--	--	--	--	--	
3/27/1997	40.25	15.66	0	24.59	1.53	ND	--	ND	ND	ND	ND	ND	--	
9/23/1997	40.25	17.69	0	22.56	-2.03	--	--	--	--	--	--	--	--	
3/10/1998	40.25	12.99	0	27.26	4.70	ND	--	ND	ND	ND	ND	ND	--	
9/4/1998	40.25	17.28	0	22.97	-4.29	--	--	--	--	--	--	--	--	
3/4/1999	40.25	14.17	0	26.08	3.11	ND	--	ND	ND	ND	ND	ND	--	
9/13/1999	40.25	17.55	0	22.70	-3.38	--	--	--	--	--	--	--	--	
3/21/2000	40.25	14.74	0	25.51	2.81	ND	--	ND	ND	ND	ND	ND	--	
9/18/2000	40.25	16.88	0	23.37	-2.14	--	--	--	--	--	--	--	--	
3/16/2001	40.25	16.32	0	23.93	0.56	--	--	--	--	--	--	--	--	
9/4/2001	40.25	17.70	0	22.55	-1.38	--	--	--	--	--	--	--	--	
3/18/2002	40.25	16.08	--	24.17	1.62	--	--	--	--	--	--	--	--	
9/17/2002	40.25	16.56	0	23.69	-0.48	--	--	--	--	--	--	--	--	
3/28/2003	40.25	16.15	0	24.10	0.41	--	--	--	--	--	--	--	--	
9/5/2003	40.25	17.20	0	23.05	-1.05	--	--	--	--	--	--	--	--	Monitored Only
3/4/2004	40.25	15.39	0	24.86	1.81	--	--	--	--	--	--	--	--	Monitored Only
9/9/2004	40.25	16.98	0	23.27	-1.59	--	--	--	--	--	--	--	--	Monitored Only
3/1/2005	40.25	14.97	0	25.28	2.01	--	--	--	--	--	--	--	--	Monitor Only
8/2/2005	40.25	15.82	0	24.43	-0.85	--	--	--	--	--	--	--	--	Monitored Only
1/20/2006	40.25	15.04	0	25.21	0.78	--	--	--	--	--	--	--	--	Monitored only
7/11/2006	40.25	15.38	0	24.87	-0.34	--	--	--	--	--	--	--	--	Monitored Only
3/9/2007	40.25	16.00	0	24.25	-0.62	--	--	--	--	--	--	--	--	Monitored Only
7/6/2007	42.69	17.15	0	25.54	1.29	--	--	--	--	--	--	--	--	Monitored Only
1/7/2008	42.69	16.65	0	26.04	0.50	--	--	--	--	--	--	--	--	Monitored Only
6/24/2008	42.69	17.40	0	25.29	-0.75	--	--	--	--	--	--	--	--	Monitored Only
8/29/2008	42.69	17.62	0	25.07	-0.22	--	--	--	--	--	--	--	--	Monitored only
11/17/2008	42.69	18.20	0	24.49	-0.58	--	--	--	--	--	--	--	--	Monitored only
3/13/2009	42.69	16.30	0	26.39	1.90	--	--	--	--	--	--	--	--	Monitored only
5/1/2009	42.69	16.86	0	25.83	-0.56	--	--	--	--	--	--	--	--	Monitored only
7/2/2009	42.69	17.20	0	25.49	-0.34	--	--	--	--	--	--	--	--	Monitored only

Table 2
Groundwater Monitoring Data and Analytical Results
376 Lewelling Boulevard, San Lorenzo, CA

Date Sampled	TOC Elevation (feet amsl)	Depth to Water (feet bTOC)	LPH Thickness (feet)	Ground-Water Elevation (feet amsl)	Change in Elevation (feet)	TPH-GRO (8015B) (µg/L)	TPH-GRO (8260B) (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzen (µg/L)	Total Xylenes (µg/L)	MtBE (8021B) (µg/L)	MtBE (8260B) (µg/L)	Comments
U-4 continued														
1/18/2010	42.69	17.55	0	25.14	-0.35	--	--	--	--	--	--	--	--	Gauged only
9/27/2010	42.69	17.51	0	25.18	0.04	--	--	--	--	--	--	--	--	Gauge only
3/8/2011	42.69	16.12	0	26.57	1.39	--	--	--	--	--	--	--	--	Gauge only
8/24/2011	42.69	16.74	0	25.95	-0.62	--	--	--	--	--	--	--	--	Gauge only
2/16/2012	42.69	17.51	0	25.18	-0.77	--	--	--	--	--	--	--	--	Gauge only
8/6/2012	42.69	16.83	0	25.86	0.68	--	--	--	--	--	--	--	--	Gauge only
1/30/2013	42.69	16.51	0	26.18	0.32	--	--	--	--	--	--	--	--	Gauge only
8/1/2013	**42.69**	**17.60**	**0**	**25.09**	**-1.09**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**Gauge only**
U-5														
4/7/1992	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
8/6/1992	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
11/20/1992	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
2/12/1993	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
6/4/1993	39.61	16.05	0	23.56	--	ND	--	ND	ND	ND	ND	--	--	
9/9/1993	39.61	16.90	0	22.71	-0.85	ND	--	ND	ND	ND	ND	--	--	
12/2/1993	39.31	17.66	0	21.65	-1.06	ND	--	ND	ND	ND	ND	--	--	
3/9/1994	39.31	16.45	0	22.86	1.21	71	--	1.7	6.3	1.5	10	--	--	
4/13/1994	39.31	16.64	0	22.67	-0.19	ND	--	ND	ND	ND	ND	--	--	
6/9/1994	39.31	16.70	0	22.61	-0.06	ND	--	ND	ND	ND	ND	--	--	
9/7/1994	39.31	17.73	0	21.58	-1.03	ND	--	ND	0.73	ND	0.84	--	--	
12/5/1994	39.31	17.23	0	22.08	0.50	ND	--	ND	ND	ND	ND	--	--	
3/9/1995	39.31	15.35	0	23.96	1.88	ND	--	ND	ND	ND	ND	ND	--	
6/13/1995	39.31	15.16	0	24.15	0.19	ND	--	ND	ND	ND	ND	0.87	--	
9/12/1995	39.31	16.30	0	23.01	-1.14	ND	--	ND	ND	ND	ND	ND	--	
12/14/1995	39.31	16.56	0	22.75	-0.26	ND	--	ND	ND	ND	ND	ND	--	
3/20/1996	39.31	14.07	0	25.24	2.49	--	--	--	--	--	--	--	--	
9/24/1996	39.31	16.55	0	22.76	-2.48	--	--	--	--	--	--	--	--	
3/27/1997	39.31	14.85	0	24.46	1.70	ND	--	ND	ND	ND	ND	ND	--	
9/23/1997	39.31	16.90	0	22.41	-2.05	--	--	--	--	--	--	--	--	Sampled annually
3/10/1998	39.31	12.21	0	27.10	4.69	ND	--	ND	ND	ND	ND	ND	--	
9/4/1998	39.31	16.57	0	22.74	-4.36	--	--	--	--	--	--	--	--	
3/4/1999	39.31	13.42	0	25.89	3.15	ND	--	ND	0.67	ND	ND	ND	--	
9/13/1999	39.31	17.02	0	22.29	-3.60	--	--	--	--	--	--	--	--	
3/21/2000	39.31	13.93	0	25.38	3.09	ND	--	ND	ND	ND	ND	ND	--	
9/18/2000	39.31	16.17	0	23.14	-2.24	--	--	--	--	--	--	--	--	
3/16/2001	39.31	15.51	0	23.80	0.66	ND	--	ND	ND	ND	ND	ND	--	
9/4/2001	39.31	16.88	0	22.43	-1.37	--	--	--	--	--	--	--	--	
3/18/2002	39.31	15.25	--	24.06	1.63	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	

Table 2
Groundwater Monitoring Data and Analytical Results
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Date Sampled	TOC Elevation (feet amsl)	Depth to Water (feet bTOC)	LPH Thickness (feet)	Ground-Water Elevation (feet amsl)	Change in Elevation (feet)	TPH-GRO (8015B) (µg/L)	TPH-GRO (8260B) (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzen (µg/L)	Total Xylenes (µg/L)	MtBE (8021B) (µg/L)	MtBE (8260B) (µg/L)	Comments
U-5 continued														
9/17/2002	39.31	16.71	0	22.60	-1.46	--	--	--	--	--	--	--	--	Sampled annually
3/28/2003	39.31	15.21	0	24.10	1.50	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
9/5/2003	39.31	16.26	0	23.05	-1.05	--	--	--	--	--	--	--	--	Sampled annually
3/4/2004	39.31	14.79	0	24.52	1.47	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
9/9/2004	39.31	16.30	0	23.01	-1.51	--	--	--	--	--	--	--	--	Monitored Only
3/1/2005	39.31	14.38	0	24.93	1.92	--	ND<50	ND<0.50	ND<0.50	0.53	2.0	--	ND<0.50	
8/2/2005	39.31	15.02	0	24.29	-0.64	--	--	--	--	--	--	--	--	Sampled Annually
1/20/2006	39.31	14.23	0	25.08	0.79	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
7/11/2006	39.31	14.60	0	24.71	-0.37	--	--	--	--	--	--	--	--	Sampled Q1 only
3/9/2007	39.31	15.10	0	24.21	-0.50	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
7/6/2007	41.74	16.23	0	25.51	1.30	--	--	--	--	--	--	--	--	Sampled Q1 only
1/7/2008	41.74	15.81	0	25.93	0.42	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
6/24/2008	41.74	16.51	0	25.23	-0.70	--	--	--	--	--	--	--	--	Sampled Q1 only
8/29/2008	41.74	16.98	0	24.76	-0.47	--	--	--	--	--	--	--	--	Sampled Q1 only
11/17/2008	41.74	17.25	0	24.49	-0.27	--	--	--	--	--	--	--	--	Sampled Q1 only
3/13/2009	41.74	15.78	0	25.96	1.47	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
5/1/2009	41.74	16.04	0	25.70	-0.26	--	--	--	--	--	--	--	--	Sampled Q1 only
7/2/2009	41.74	16.53	0	25.21	-0.49	--	--	--	--	--	--	--	--	Sampled Q1 only
1/18/2010	41.74	16.73	0	25.01	-0.20	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
9/27/2010	41.74	16.69	0	25.05	0.04	--	--	--	--	--	--	--	--	Sampled Q1 only
3/8/2011	41.74	15.36	0	26.38	1.33	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
8/24/2011	41.74	15.89	0	25.85	-0.53	--	--	--	--	--	--	--	--	Sampled Q1 only
2/16/2012	41.74	16.71	0	25.03	-0.82	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
8/6/2012	41.74	16.04	0	25.70	0.67	--	--	--	--	--	--	--	--	Sampled Q1 only
1/30/2013	41.74	15.73	0	26.01	0.31	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
8/1/2013	**41.74**	**17.04**	**0**	**24.70**	**-1.31**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**Sampled Q1 only**
U-6														
4/7/1992	--	--	--	--	--	6600	--	90	ND	820	1200	--	--	
8/6/1992	--	--	--	--	--	9200	--	160	ND	360	150	--	--	
11/20/1992	--	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
2/12/1993	--	--	--	--	--	2600	--	27	ND	120	51	--	--	
6/4/1993	37.94	14.45	0	23.49	--	13000	--	100	38	450	320	--	--	
9/9/1993	37.94	15.56	0	22.38	-1.11	6300	--	29	ND	120	34	--	--	
12/2/1993	37.68	16.08	0	21.60	-0.78	2100	--	12	1.6	21	1.1	--	--	
3/9/1994	37.68	14.90	0	22.78	1.18	2200	--	11	8.2	24	16	--	--	
6/9/1994	37.68	15.18	0	22.50	-0.28	2600	--	16	ND	29	ND	--	--	
9/7/1994	37.68	16.20	0	21.48	-1.02	16004	--	ND	ND	ND	ND	--	--	
12/5/1994	37.68	15.60	0	22.08	0.60	450	--	ND	ND	ND	ND	--	--	

Table 2
Groundwater Monitoring Data and Analytical Results
376 Lewelling Boulevard, San Lorenzo, CA

Date Sampled	TOC Elevation (feet amsl)	Depth to Water (feet bTOC)	LPH Thickness (feet)	Ground-Water Elevation (feet amsl)	Change in Elevation (feet)	TPH-GRO (8015B) (µg/L)	TPH-GRO (8260B) (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzen (µg/L)	Total Xylenes (µg/L)	MtBE (8021B) (µg/L)	MtBE (8260B) (µg/L)	Comments
U-6 continued														
3/9/1995	37.68	13.74	0	23.94	1.86	2500	--	29	ND	70	120	320	--	
6/13/1995	37.68	13.73	0	23.95	0.01	1300	--	ND	ND	20	46	5400	--	
9/12/1995	37.68	14.85	0	22.83	-1.12	ND	--	ND	ND	ND	ND	6600	--	
12/14/1995	37.68	14.89	0	22.79	-0.04	760	--	ND	ND	7	8.4	1100	--	
3/20/1996	37.68	12.41	0	25.27	2.48	52	--	1.1	0.98	ND	0.75	1200	--	
9/24/1996	37.68	15.06	0	22.62	-2.65	ND	--	ND	ND	ND	ND	750	--	
3/27/1997	37.68	13.48	0	24.20	1.58	ND	--	ND	ND	ND	ND	150	--	
9/23/1997	37.68	15.36	0	22.32	-1.88	66	--	0.81	ND	ND	ND	150	--	
3/10/1998	37.68	10.90	0	26.78	4.46	ND	--	ND	ND	ND	ND	18	--	
9/4/1998	37.68	14.85	0	22.83	-3.95	ND	--	ND	ND	ND	ND	ND	--	
3/4/1999	37.68	12.10	0	25.58	2.75	ND	--	ND	ND	ND	ND	6.5	--	
9/13/1999	37.68	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible covered with asphalt
3/21/2000	37.68	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible covered with asphalt
9/18/2000	37.68	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible covered with asphalt
3/16/2001	37.68	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible covered with asphalt
9/4/2001	37.68	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible covered with asphalt
3/18/2002	37.68	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible covered with asphalt
9/17/2002	37.68	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible covered with asphalt
9/5/2003	37.68	--	--	--	--	--	--	--	--	--	--	--	--	Covered with asphalt
3/4/2004	37.68	--	--	--	--	--	--	--	--	--	--	--	--	Covered with asphalt
9/9/2004	37.68	--	--	--	--	--	--	--	--	--	--	--	--	Covered with asphalt
3/1/2005	37.68	--	--	--	--	--	--	--	--	--	--	--	--	Unable to locate-Paved over
9/8/2005	37.68	13.98	0	23.70	--	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	Paved over on 8/2/05
1/20/2006	37.68	12.76	0	24.92	1.22	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
7/11/2006	37.68	13.23	0	24.45	-0.47	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
3/9/2007	37.68	13.67	0	24.01	-0.44	--	140	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
7/6/2007	40.07	14.76	0	25.31	1.30	--	79	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
1/7/2008	40.07	14.02	0	26.05	0.74	--	65	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
6/24/2008	40.07	14.98	0	25.09	-0.96	--	--	--	--	--	--	--	--	Sampled Q1 and Q3 only
8/29/2008	40.07	15.42	0	24.65	-0.44	--	120	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
11/17/2008	40.07	--	--	--	--	--	--	--	--	--	--	--	--	Car parked over well
3/13/2009	40.07	14.10	0	25.97	--	--	100	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
5/1/2009	40.07	14.52	0	25.55	-0.42	--	--	--	--	--	--	--	--	Sampled Q1 and Q3 only
7/2/2009	40.07	15.10	0	24.97	-0.58	--	110	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
1/18/2010	40.07	15.14	0	24.93	-0.04	--	130	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
9/27/2010	40.07	15.17	0	24.90	-0.03	--	120	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
3/8/2011	40.07	13.76	0	26.31	1.41	--	67	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
8/24/2011	40.07	14.42	0	25.65	-0.66	--	67	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
2/16/2012	40.07	15.15	0	24.92	-0.73	--	67	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	

Table 2
Groundwater Monitoring Data and Analytical Results
376 Lewelling Boulevard, San Lorenzo, CA

Date Sampled	TOC Elevation (feet amsl)	Depth to Water (feet bTOC)	LPH Thickness (feet)	Ground-Water Elevation (feet amsl)	Change in Elevation (feet)	TPH-GRO (8015B) (µg/L)	TPH-GRO (8260B) (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzen (µg/L)	Total Xylenes (µg/L)	MtBE (8021B) (µg/L)	MtBE (8260B) (µg/L)	Comments
U-6 continued														
8/6/2012	40.07	14.72	0	25.35	0.43	--	63	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
1/30/2013	40.07	14.23	0	25.84	0.49	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
8/1/2013	**40.07**	**15.47**	**0**	**24.60**	**-1.24**	**--**	**ND<50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<1.0**	**--**	**ND<0.50**	
U-7														
4/7/1992	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
8/6/1992	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
11/20/1992	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
2/12/1993	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
6/4/1993	37.49	14.17	0	23.32	--	ND	--	ND	ND	ND	ND	--	--	
9/9/1993	37.49	15.23	0	22.26	-1.06	ND	--	ND	ND	ND	ND	--	--	
12/2/1993	37.11	15.61	0	21.50	-0.76	ND	--	ND	ND	ND	ND	--	--	
3/9/1994	37.11	14.45	0	22.66	1.16	ND	--	1.4	4.4	0.96	7.5	--	--	
4/13/1994	37.11	14.63	0	22.48	-0.18	ND	--	ND	ND	ND	ND	--	--	
6/9/1994	37.11	14.70	0	22.41	-0.07	ND	--	ND	ND	ND	ND	--	--	
9/7/1994	37.11	15.72	0	21.39	-1.02	ND	--	ND	ND	ND	ND	--	--	
12/5/1994	37.11	15.10	0	22.01	0.62	ND	--	ND	ND	ND	ND	--	--	
3/9/1995	37.11	13.36	0	23.75	1.74	ND	--	ND	ND	ND	ND	ND	--	
6/13/1995	37.11	13.33	0	23.78	0.03	ND	--	ND	ND	ND	ND	3.5	--	
9/12/1995	37.11	14.40	0	22.71	-1.07	ND	--	ND	ND	ND	ND	ND	--	
12/14/1995	37.11	14.39	0	22.72	0.01	ND	--	ND	ND	ND	ND	1.4	--	
3/20/1996	37.11	11.96	0	25.15	2.43	--	--	--	--	--	--	--	--	
9/24/1996	37.11	14.59	0	22.52	-2.63	--	--	--	--	--	--	--	--	
3/27/1997	37.11	13.08	0	24.03	1.51	ND	--	ND	ND	ND	ND	ND	--	
9/23/1997	37.11	14.90	0	22.21	-1.82	--	--	--	--	--	--	--	--	
3/10/1998	37.11	10.46	0	26.65	4.44	ND	--	ND	ND	ND	ND	ND	--	
9/4/1998	37.11	14.42	0	22.69	-3.96	--	--	--	--	--	--	--	--	
3/4/1999	37.11	11.64	0	25.47	2.78	ND	--	ND	ND	ND	ND	6.6	--	
9/13/1999	37.11	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible covered with asphalt
3/21/2000	37.11	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible covered with asphalt
9/18/2000	37.11	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible covered with asphalt
3/16/2001	37.11	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible covered with asphalt
9/4/2001	37.11	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible covered with asphalt
9/17/2002	37.11	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible covered with asphalt
9/5/2003	37.11	--	--	--	--	--	--	--	--	--	--	--	--	Covered with asphalt
3/4/2004	37.11	--	--	--	--	--	--	--	--	--	--	--	--	Covered with asphalt
9/9/2004	37.11	--	--	--	--	--	--	--	--	--	--	--	--	Covered with asphalt
3/1/2005	37.11	--	--	--	--	--	--	--	--	--	--	--	--	Unable to locate-Paved over
9/8/2005	37.11	13.59	0	23.52	--	--	ND<50	ND<0.50	0.89	ND<0.50	1.7	--	ND<0.50	Paved over on 8/2/05

Table 2
Groundwater Monitoring Data and Analytical Results
376 Lewelling Boulevard, San Lorenzo, CA

Date Sampled	TOC Elevation (feet amsl)	Depth to Water (feet bTOC)	LPH Thickness (feet)	Ground-Water Elevation (feet amsl)	Change in Elevation (feet)	TPH-GRO (8015B) (µg/L)	TPH-GRO (8260B) (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzen (µg/L)	Total Xylenes (µg/L)	MtBE (8021B) (µg/L)	MtBE (8260B) (µg/L)	Comments
U-7 continued														
1/20/2006	37.11	12.33	0	24.78	1.26	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
7/11/2006	37.11	12.84	0	24.27	-0.51	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
3/9/2007	37.11	13.25	0	23.86	-0.41	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
7/6/2007	39.50	--	--	--	--	--	--	--	--	--	--	--	--	Car over well
1/7/2008	39.50	13.50	0	26.00	--	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
6/24/2008	39.50	14.05	0	25.45	-0.55	--	--	--	--	--	--	--	--	Sampled Q1 and Q3 only
8/29/2008	39.50	--	--	--	--	--	--	--	--	--	--	--	--	Car parked over well
11/17/2008	39.50	--	--	--	--	--	--	--	--	--	--	--	--	Car parked over well
3/13/2009	39.50	13.60	0	25.90	--	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
5/1/2009	39.50	14.88	0	24.62	-1.28	--	--	--	--	--	--	--	--	Sampled Q1 and Q3 only
7/2/2009	39.50	--	--	--	--	--	--	--	--	--	--	--	--	Car parked over well
1/18/2010	39.50	14.45	0	25.05	--	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
9/30/2010	39.50	14.53	0	24.97	-0.08	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
3/8/2011	39.50	13.22	0	26.28	1.31	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
8/24/2011	39.50	13.97	0	25.53	-0.75	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
2/16/2012	39.50	14.65	0	24.85	-0.68	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
8/6/2012	39.50	14.20	0	25.30	0.45	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
1/30/2013	39.50	13.77	0	25.73	0.43	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
8/1/2013	**39.50**	**14.99**	**0**	**24.51**	**-1.22**	**--**	**ND<50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<1.0**	**--**	**ND<0.50**	
U-8														
4/7/1992	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
8/6/1992	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
2/12/1993	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
6/4/1993	38.94	15.26	0	23.68	--	ND	--	ND	ND	ND	ND	--	--	
9/9/1993	38.94	16.38	0	22.56	-1.12	ND	--	ND	ND	ND	ND	--	--	
12/2/1993	38.57	16.80	0	21.77	-0.79	ND	--	ND	ND	ND	ND	--	--	
3/9/1994	38.57	15.62	0	22.95	1.18	ND	--	1.2	3.7	0.79	6.1	--	--	
4/13/1994	38.57	15.80	0	22.77	-0.18	ND	--	ND	0.78	ND	0.98	--	--	
6/9/1994	38.57	15.86	0	22.71	-0.06	ND	--	ND	ND	ND	ND	--	--	
9/7/1994	38.57	16.87	0	21.70	-1.01	ND	--	ND	ND	ND	ND	--	--	
12/5/1994	38.57	16.32	0	22.25	0.55	ND	--	ND	ND	ND	ND	--	--	
3/9/1995	38.57	14.56	0	24.01	1.76	ND	--	ND	ND	ND	ND	ND	--	
6/13/1995	38.57	14.40	0	24.17	0.16	ND	--	ND	ND	ND	ND	ND	--	
9/12/1995	38.57	15.50	0	23.07	-1.10	ND	--	ND	ND	ND	ND	ND	--	
12/14/1995	38.57	15.67	0	22.90	-0.17	ND	--	ND	ND	ND	ND	ND	--	
3/20/1996	38.57	13.25	0	25.32	2.42	--	--	--	--	--	--	--	--	
9/24/1996	38.57	15.75	0	22.82	-2.50	--	--	--	--	--	--	--	--	
3/27/1997	38.57	14.18	0	24.39	1.57	ND	--	ND	ND	ND	ND	ND	--	

Table 2
Groundwater Monitoring Data and Analytical Results
376 Lewelling Boulevard, San Lorenzo, CA

Date Sampled	TOC Elevation (feet amsl)	Depth to Water (feet bTOC)	LPH Thickness (feet)	Ground-Water Elevation (feet amsl)	Change in Elevation (feet)	TPH-GRO (8015B) (µg/L)	TPH-GRO (8260B) (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzen (µg/L)	Total Xylenes (µg/L)	MtBE (8021B) (µg/L)	MtBE (8260B) (µg/L)	Comments
U-8 continued														
9/23/1997	38.57	16.05	0	22.52	-1.87	--	--	--	--	--	--	--	--	Sampled annually
3/10/1998	38.57	11.63	0	26.94	4.42	ND	--	ND	ND	ND	ND	ND	--	
9/4/1998	38.57	15.81	0	22.76	-4.18	--	--	--	--	--	--	--	--	
3/4/1999	38.57	12.81	0	25.76	3.00	ND	--	ND	ND	ND	ND	ND	--	
9/13/1999	38.57	16.37	0	22.20	-3.56	--	--	--	--	--	--	--	--	
3/21/2000	38.57	13.25	0	25.32	3.12	ND	--	ND	ND	ND	ND	ND	--	
9/18/2000	38.57	15.31	0	23.26	-2.06	--	--	--	--	--	--	--	--	
3/16/2001	38.57	14.71	0	23.86	0.60	ND	--	ND	ND	ND	ND	ND	--	
9/4/2001	38.57	16.01	0	22.56	-1.30	--	--	--	--	--	--	--	--	
3/18/2002	38.57	14.46	--	24.11	1.55	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	
9/17/2002	38.57	15.93	0	22.64	-1.47	--	--	--	--	--	--	--	--	Sampled annually
3/28/2003	38.57	14.40	0	24.17	1.53	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
9/5/2003	38.57	15.46	0	23.11	-1.06	--	--	--	--	--	--	--	--	Sampled annually
3/4/2004	38.57	13.98	0	24.59	1.48	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
9/9/2004	38.57	15.53	0	23.04	-1.55	--	--	--	--	--	--	--	--	Monitored Only
3/1/2005	38.57	13.56	0	25.01	1.97	--	ND<50	ND<0.50	ND<0.50	0.80	2.8	--	ND<0.50	
8/2/2005	38.57	14.31	0	24.26	-0.75	--	--	--	--	--	--	--	--	Sampled annually
1/20/2006	38.57	13.51	0	25.06	0.80	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
7/11/2006	38.57	13.94	0	24.63	-0.43	--	--	--	--	--	--	--	--	Sampled Q1 only
3/9/2007	38.57	14.40	0	24.17	-0.46	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
7/6/2007	40.95	15.44	0	25.51	1.34	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
1/7/2008	40.95	14.79	0	26.16	0.65	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
6/24/2008	40.95	15.67	0	25.28	-0.88	--	--	--	--	--	--	--	--	Sampled Q1 and Q3 only
8/29/2008	40.95	16.11	0	24.84	-0.44	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
11/17/2008	40.95	16.48	0	24.47	-0.37	--	--	--	--	--	--	--	--	Sampled Q1 and Q3 only
3/13/2009	40.95	14.78	0	26.17	1.70	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
5/1/2009	40.95	15.20	0	25.75	-0.42	--	--	--	--	--	--	--	--	Sampled Q1 and Q3 only
7/2/2009	40.95	15.75	0	25.20	-0.55	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
1/18/2010	40.95	15.85	0	25.10	-0.10	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
9/27/2010	40.95	15.82	0	25.13	0.03	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
3/8/2011	40.95	14.45	0	26.50	1.37	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
8/24/2011	40.95	15.09	0	25.86	-0.64	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
2/16/2012	40.95	15.82	0	25.13	-0.73	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
8/6/2012	40.95	15.42	0	25.53	0.40	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
1/30/2013	40.95	14.91	0	26.04	0.51	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
8/1/2013	**40.95**	**16.05**	**0**	**24.90**	**-1.14**	**--**	**ND<50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<1.0**	**--**	**ND<0.50**	

Table 2
Groundwater Monitoring Data and Analytical Results
376 Lewelling Boulevard, San Lorenzo, CA

Date Sampled	TOC Elevation (feet amsl)	Depth to Water (feet bTOC)	LPH Thickness (feet)	Ground-Water Elevation (feet amsl)	Change in Elevation (feet)	TPH-GRO (8015B) (µg/L)	TPH-GRO (8260B) (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzen (µg/L)	Total Xylenes (µg/L)	MtBE (8021B) (µg/L)	MtBE (8260B) (µg/L)	Comments
U-9														
6/4/1993	37.88	14.67	0	23.21	--	2100	--	ND	ND	ND	ND	--	--	
9/9/1993	37.88	15.79	0	22.09	-1.12	1200	--	ND	ND	ND	ND	--	--	
12/2/1993	37.31	15.93	0	21.38	-0.71	ND	--	ND	ND	ND	ND	--	--	
3/9/1994	37.31	14.74	0	22.57	1.19	5700	--	ND	ND	ND	ND	--	--	
4/13/1994	37.31	14.96	0	22.35	-0.22	ND	--	ND	ND	ND	ND	--	--	
6/9/1994	37.31	15.05	0	22.26	-0.09	2900	--	ND	ND	ND	ND	--	--	
9/7/1994	37.31	16.06	0	21.25	-1.01	2700	--	ND	ND	ND	ND	--	--	
12/5/1994	37.31	15.43	0	21.88	0.63	3700	--	ND	ND	ND	ND	--	--	
3/9/1995	37.31	13.50	0	23.81	1.93	2500	--	ND	ND	ND	ND	5800	--	
6/13/1995	37.31	13.63	0	23.68	-0.13	ND	--	ND	ND	ND	ND	1200	--	
9/12/1995	37.31	14.73	0	22.58	-1.10	ND	--	ND	ND	ND	ND	1600	--	
12/14/1995	37.31	14.67	0	22.64	0.06	ND	--	ND	ND	ND	ND	4400	--	
3/20/1996	37.31	12.27	0	25.04	2.40	ND	--	ND	ND	ND	ND	480	--	
9/24/1996	37.31	14.92	0	22.39	-2.65	ND	--	ND	ND	ND	ND	ND	--	
3/27/1997	37.31	13.36	0	23.95	1.56	ND	--	ND	ND	ND	ND	42	--	
9/23/1997	37.31	15.28	0	22.03	-1.92	ND	--	ND	ND	ND	ND	ND	--	
3/10/1998	37.31	10.86	0	26.45	4.42	ND	--	ND	ND	ND	3.1	ND	--	
9/4/1998	37.31	15.03	0	22.28	-4.17	ND	--	ND	ND	ND	ND	ND	--	
3/4/1999	37.31	11.95	0	25.36	3.08	ND	--	ND	ND	ND	ND	ND	--	
9/13/1999	37.31	15.61	0	21.70	-3.66	ND	--	ND	1.67	ND	1.01	7.85	--	
3/21/2000	37.31	12.38	0	24.93	3.23	ND	--	ND	ND	ND	ND	ND	--	
9/18/2000	37.31	14.87	0	22.44	-2.49	ND	--	ND	1.42	ND	1.06	ND	--	
3/16/2001	37.31	13.85	0	23.46	1.02	ND	--	ND	ND	ND	ND	ND	--	
9/4/2001	37.31	15.22	0	22.09	-1.37	--	--	--	--	--	--	--	--	Sampled annually
3/18/2002	37.31	13.56	--	23.75	1.66	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	
9/17/2002	37.31	15.14	0	22.17	-1.58	--	--	--	--	--	--	--	--	Sampled annually
3/28/2003	37.31	13.61	0	23.70	1.53	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
9/5/2003	37.31	14.64	0	22.67	-1.03	--	--	--	--	--	--	--	--	Sampled annually
3/4/2004	37.31	13.07	0	24.24	1.57	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
9/9/2004	37.31	14.75	0	22.56	-1.68	--	--	--	--	--	--	--	--	Monitored Only
3/1/2005	37.31	12.68	0	24.63	2.07	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	4.1	
8/2/2005	37.31	13.47	0	23.84	-0.79	--	--	--	--	--	--	--	--	Sampled annually
1/20/2006	37.31	12.61	0	24.70	0.86	--	ND<50	ND<0.50	ND<0.50	0.78	2.8	--	ND<0.50	
7/11/2006	37.31	13.10	0	24.21	-0.49	--	--	--	--	--	--	--	--	Sampled Q1 only
3/9/2007	37.31	13.55	0	23.76	-0.45	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
7/6/2007	39.72	14.63	0	25.09	1.33	--	--	--	--	--	--	--	--	Sampled Q1 only
1/7/2008	39.72	13.85	0	25.87	0.78	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
6/24/2008	39.72	14.89	0	24.83	-1.04	--	--	--	--	--	--	--	--	Sampled Q1 only
8/29/2008	39.72	15.32	0	24.40	-0.43	--	--	--	--	--	--	--	--	Sampled Q1 only

Table 2
Groundwater Monitoring Data and Analytical Results
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Date Sampled	TOC Elevation (feet amsl)	Depth to Water (feet bTOC)	LPH Thickness (feet)	Ground-Water Elevation (feet amsl)	Change in Elevation (feet)	TPH-GRO (8015B) (µg/L)	TPH-GRO (8260B) (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzen (µg/L)	Total Xylenes (µg/L)	MtBE (8021B) (µg/L)	MtBE (8260B) (µg/L)	Comments
U-9 continued														
11/17/2008	39.72	15.70	0	24.02	-0.38	--	--	--	--	--	--	--	--	Sampled Q1 only
3/13/2009	39.72	13.90	0	25.82	1.80	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
5/1/2009	39.72	14.37	0	25.35	-0.47	--	--	--	--	--	--	--	--	Sampled Q1 only
7/2/2009	39.72	14.90	0	24.82	-0.53	--	--	--	--	--	--	--	--	Sampled Q1 only
1/18/2010	39.72	14.97	0	24.75	-0.07	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
9/27/2010	39.72	15.02	0	24.70	-0.05	--	--	--	--	--	--	--	--	Sampled Q1 only
3/8/2011	39.72	13.60	0	26.12	1.42	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
8/24/2011	39.72	14.29	0	25.43	-0.69	--	--	--	--	--	--	--	--	Sampled Q1 only
2/16/2012	39.72	15.02	0	24.70	-0.73	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
8/6/2012	39.72	14.61	0	25.11	0.41	--	--	--	--	--	--	--	--	Sampled Q1 only
1/30/2013	39.72	14.09	0	25.63	0.52	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
8/1/2013	**39.72**	**15.33**	**0**	**24.39**	**-1.24**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**Sampled Q1 only**
U-1														
2/9/1988	--	--	--	--	--	93000	--	3600	11000	--	20000	--	--	
3/20/1990	--	--	--	--	--	36000	--	2100	5500	1900	9300	--	--	
6/5/1990	--	--	--	--	--	46000	--	2300	5500	2500	11000	--	--	
8/24/1990	--	--	--	--	--	27000	--	1200	1800	1400	5500	--	--	
12/5/1990	--	--	--	--	--	--	--	--	--	--	--	--	--	Not sampled due to free product
3/4/1991	--	--	--	--	--	--	--	--	--	--	--	--	--	Not sampled due to free product
6/3/1991	--	--	--	--	--	--	--	--	--	--	--	--	--	Not sampled due to free product
9/19/1991	--	--	--	--	--	--	--	--	--	--	--	--	--	Not sampled due to free product
12/4/1991	--	--	--	--	--	--	--	--	--	--	--	--	--	Not sampled due to free product
3/5/1992	--	--	--	--	--	--	--	--	--	--	--	--	--	Not sampled due to free product
4/7/1992	--	--	--	--	--	--	--	--	--	--	--	--	--	Not sampled due to free product
8/6/1992	--	--	--	--	--	--	--	--	--	--	--	--	--	Not sampled due to free product
11/20/1992	--	--	--	--	--	--	--	--	--	--	--	--	--	Not sampled due to free product
2/12/1993	--	--	--	--	--	70000	--	2200	8400	3100	18000	--	--	
6/4/1993	40.51	16.72	0	23.79	--	35000	--	1300	5700	900	9200	--	--	
9/9/1993	40.51	17.77	0	22.74	-1.05	67000	--	2900	18000	6200	32000	--	--	
12/2/1993	40.20	18.36	0.01	21.85	-0.89	--	--	--	--	--	--	--	--	Not sampled due to free product
3/9/1994	40.20	17.20	0	23.00	1.15	45000	--	930	4100	2000	11000	--	--	
6/9/1994	40.20	17.42	0	22.78	-0.22	59000	--	5200	1300	5200	15000	--	--	
9/7/1994	40.20	18.17	0	22.03	-0.75	41000	--	1600	6200	3100	16000	--	--	
12/5/1994	40.20	16.67	0	23.53	1.50	1300	--	55	20	16	330	--	--	
3/9/1995	40.20	15.82	0	24.38	0.85	49000	--	860	3200	1900	10000	1500	--	
6/13/1995	40.20	14.70	0	25.50	1.12	53000	--	1400	5000	2500	14000	2800	--	
9/12/1995	40.01	16.77	0	23.24	-2.26	43000	--	910	2700	1700	9600	1400	--	
12/14/1995	40.20	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible; system not running

Table 2
Groundwater Monitoring Data and Analytical Results
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Date Sampled	TOC Elevation (feet amsl)	Depth to Water (feet bTOC)	LPH Thickness (feet)	Ground-Water Elevation (feet amsl)	Change in Elevation (feet)	TPH-GRO (8015B) (µg/L)	TPH-GRO (8260B) (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzen (µg/L)	Total Xylenes (µg/L)	MtBE (8021B) (µg/L)	MtBE (8260B) (µg/L)	Comments
U-1 continued														
3/20/1996	40.20	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible; system not running
3/22/1996	40.20	--	--	--	--	13000	--	200	590	640	4000	790	--	
9/24/1996	40.20	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible; system not running
3/27/1997	40.20	15.29	0	24.91	--	1300	--	8	ND	ND	400	ND	--	
9/23/1997	40.20	17.20	0	23.00	-1.91	2000	--	15	ND	ND	530	ND	--	
3/10/1998	40.20	12.68	0	27.52	4.52	2200	--	19	4.8	ND	980	38	--	
9/4/1998	40.20	16.84	0	23.36	-4.16	5300	--	53	ND	410	620	ND	--	
3/4/1999	40.20	13.04	0	27.16	3.80	1500	--	19	ND	56	110	310	--	
9/13/1999	40.20	17.14	0	23.06	-4.10	5850	--	32.7	ND	520	925	ND	--	
3/21/2000	40.20	14.36	0	25.84	2.78	4820	--	17.4	7.74	297	1370	ND	--	
9/18/2000	40.20	16.72	0	23.48	-2.36	647	--	6.44	ND	22.3	6.86	22.2	--	
10/13/2000	40.20	16.85	0	23.35	-0.13	--	--	--	--	--	--	--	29	
3/16/2001	40.20	15.84	0	24.36	1.01	4950	--	1.73	1.77	429	536	613	--	
9/4/2001	40.20	17.16	0	23.04	-1.32	11000	--	25	ND<10	1100	1800	370	--	
3/18/2002	40.20	15.60	--	24.60	1.56	8100	--	ND<20	ND<20	740	1300	ND<200	--	
9/17/2002	40.20	17.35	0	22.85	-1.75	--	4200	ND<2.5	ND<2.5	120	43	--	280	
3/28/2003	40.20	15.72	0	24.48	1.63	--	560	ND<0.50	ND<0.50	0.96	ND<1.0	--	69	
9/5/2003	40.20	16.77	--	23.43	-1.05	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2	
3/4/2004	40.20	14.64	0	25.56	2.13	--	20000	ND<20	ND<20	1900	8300	--	ND<80	
9/9/2004	40.20	16.64	0	23.56	-2.00	--	22000	ND<20	ND<20	1800	6100	--	ND<20	
3/1/2005	40.20	14.70	0	25.50	1.94	--	25000	ND<13	ND<13	1900	6800	--	ND<13	
8/2/2005	40.20	15.44	0	24.76	-0.74	--	11000	ND<10	ND<10	780	2600	--	ND<10	
1/20/2006	40.20	14.66	0	25.54	0.78	--	65000	5.0	ND<0.50	5000	18000	--	2.6	
7/11/2006	40.20	15.01	0	25.19	-0.35	--	9200	ND<50	ND<50	680	2400	--	ND<50	
3/9/2007	40.20	15.52	0	24.68	-0.51	--	15000	6.7	ND<5.0	890	3200	--	ND<5.0	
7/6/2007	40.20	--	--	--	--	--	--	--	--	--	--	--	--	Abandoned on 7/18/07
U-3														
8/23/1990	--	--	--	--	--	110000	--	4400	13000	2800	17000	--	--	
12/5/1990	--	--	--	--	--	69000	--	1900	3500	1600	9800	--	--	
1/18/1991	--	--	--	--	--	51000	--	1700	3100	1500	7500	--	--	
3/4/1991	--	--	--	--	--	84000	--	1400	10000	2900	17000	--	--	
6/3/1991	--	--	--	--	--	130000	--	5800	19000	4600	24000	--	--	
9/19/1991	--	--	--	--	--	61000	--	3300	9700	2800	15000	--	--	
12/4/1991	--	--	--	--	--	75000	--	2500	6100	1900	11000	--	--	
3/5/1992	--	--	--	--	--	160000	--	5300	15000	5400	26000	--	--	
4/7/1992	--	--	--	--	--	97000	--	6100	16000	5400	28000	--	--	
8/6/1992	--	--	--	--	--	140000	--	5100	13000	5000	23000	--	--	
11/20/1992	--	--	--	--	--	50000	--	3200	4700	1900	10000	--	--	

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Date Sampled	TOC Elevation (feet amsl)	Depth to Water (feet bTOC)	LPH Thickness (feet)	Ground-Water Elevation (feet amsl)	Change in Elevation (feet)	TPH-GRO (8015B) (µg/L)	TPH-GRO (8260B) (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzen (µg/L)	Total Xylenes (µg/L)	MtBE (8021B) (µg/L)	MtBE (8260B) (µg/L)	Comments
U-3 continued														
2/12/1993	--	--	--	--	--	80000	--	3700	9400	3700	18000	--	--	
6/4/1993	39.64	15.48	0	24.16	--	92000	--	2900	8700	4300	20000	--	--	
9/9/1993	39.64	17.04	0	22.60	-1.56	110000	--	2800	10000	6500	31000	--	--	
12/2/1993	39.26	17.55	0	21.71	-0.89	110000	--	3200	7700	5600	26000	--	--	
3/9/1994	39.26	16.35	0	22.91	1.20	120000	--	4500	8300	5600	28000	--	--	
6/9/1994	39.26	16.60	0	22.66	-0.25	120000	--	3300	6100	5200	26000	--	--	
9/7/1994	39.26	17.61	0	21.65	-1.01	100000	--	2400	4900	4200	21000	--	--	
12/5/1994	39.26	17.08	0	22.18	0.53	140000	--	3100	5100	4900	21000	--	--	
3/9/1995	39.26	15.20	0	24.06	1.88	100000	--	2300	3300	4800	21000	54000	--	
6/13/1995	39.26	15.11	0	24.15	0.09	64000	--	1700	1500	3800	18000	900	--	
9/12/1995	39.26	16.11	0	23.15	-1.00	69000	--	1700	820	4000	19000	29000	--	
12/14/1995	39.26	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible; system not running
3/20/1996	39.26	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible; system not running
3/22/1996	39.26	--	--	--	--	15000	--	150	490	480	3100	400	--	
9/24/1996	39.26	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible; system not running
3/27/1997	39.26	14.77	0	24.49	--	110	--	ND	ND	ND	0.62	9.6	--	
9/23/1997	39.26	16.74	0	22.52	-1.97	ND	--	ND	ND	ND	ND	ND	--	
3/10/1998	39.26	12.18	0	27.08	4.56	ND	--	ND	ND	ND	3.1	ND	--	
9/4/1998	39.26	16.46	0	22.80	-4.28	ND	--	ND	ND	1.2	2.3	ND	--	
3/4/1999	39.26	13.48	0	25.78	2.98	ND	--	ND	ND	ND	ND	ND	--	
9/13/1999	39.26	16.71	0	22.55	-3.23	ND	--	ND	1.77	ND	1.06	9.08	--	
3/21/2000	39.26	13.87	--	25.39	2.84	18700	--	ND	ND	1290	4770	ND	--	
9/18/2000	39.26	16.12	0	23.14	-2.25	ND	--	ND	ND	ND	ND	ND	--	
3/16/2001	39.26	15.35	0	23.91	0.77	2310	--	ND	ND	184	618	ND	--	
9/4/2001	39.26	16.71	0	22.55	-1.36	340	--	0.95	ND<0.50	8.1	18	ND<5.0	--	
3/18/2002	39.26	15.11	--	24.15	1.60	6500	--	ND<10	ND<10	390	1400	ND<100	--	
9/17/2002	39.26	17.67	0	21.59	-2.56	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	2.0	
3/28/2003	39.26	15.25	0	24.01	2.42	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
9/5/2003	39.26	16.30	0	22.96	-1.05	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
3/4/2004	39.26	14.11	0	25.15	2.19	--	14000	ND<10	ND<10	940	3500	--	ND<40	
9/9/2004	39.26	16.22	0	23.04	-2.11	--	1300	ND<2.5	ND<2.5	66	160	--	ND<2.5	
3/1/2005	39.26	14.18	0	25.08	2.04	--	14000	ND<5.0	ND<5.0	690	2000	--	ND<5.0	
8/2/2005	39.26	14.93	0	24.33	-0.75	--	6300	ND<2.5	ND<2.5	320	970	--	ND<2.5	
1/20/2006	39.26	14.14	0	25.12	0.79	--	7600	ND<0.50	ND<0.50	390	890	--	ND<0.50	
7/11/2006	39.26	14.52	0	24.74	-0.38	--	3800	ND<5.0	ND<5.0	190	420	--	ND<5.0	
3/9/2007	39.26	15.05	0	24.21	-0.53	--	3800	ND<2.5	ND<2.5	130	240	--	ND<2.5	
7/6/2007	39.26	16.17	0	23.09	-1.12	--	390	ND<0.50	ND<0.50	11	16	--	ND<0.50	Abandoned on 7/19/07

Table 2
Groundwater Monitoring Data and Analytical Results
376 Lewelling Boulevard, San Lorenzo, CA

Date Sampled	TOC Elevation (feet amsl)	Depth to Water (feet bTOC)	LPH Thickness (feet)	Ground-Water Elevation (feet amsl)	Change in Elevation (feet)	TPH-GRO (8015B) (µg/L)	TPH-GRO (8260B) (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzen (µg/L)	Total Xylenes (µg/L)	MtBE (8021B) (µg/L)	MtBE (8260B) (µg/L)	Comments
TRIP BLANK														
QA														
1/30/2013	--	--	--	--	--	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
8/1/2013	**--**	**--**	**--**	**--**	**--**	**--**	**ND<50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<1.0**	**--**	**ND<0.50**	

Notes:
TOC = Top of Casing
amsl = Above Mean Sea Level
bTOC = Below Top of Casing
LPH = Liquid-Phase Hydrocarbon
TPH-GRO = Total Petroleum Hydrocarbons as Gasoline Range Organics
MtBE = Methyl tertiary-butyl ether
µg/L = Micrograms per liter
-- = Not Measured/Not Analyzed

[1] = Laboratory report indicates PQL's and MDL's were raised due to sample dilution.

Table 3
Additional Groundwater Analytical Results
376 Lewelling Boulevard, San Lorenzo, CA

Date Sampled	TBA (8260B) (µg/L)	Ethanol (8260B) (µg/L)	1,2-DBA (8260B) (µg/L)	1,2-DBA (504) (µg/L)	1,2-DCA (8260B) (µg/L)	DIPE (8260B) (µg/L)	EtBE (8260B) (µg/L)	TAME (8260B) (µg/L)	1,1-DCA (µg/L)
U-1R									
7/6/2007	--	ND<250	--	--	--	--	--	--	--
1/7/2008	--	ND<6200	--	--	--	--	--	--	--
6/24/2008	--	ND<12000	--	--	--	--	--	--	--
8/29/2008	ND<500	ND<12000	ND<25	--	ND<25	ND<25	ND<25	ND<25	--
11/17/2008	ND<500	ND<12000	ND<25	--	ND<25	ND<25	ND<25	ND<25	--
3/13/2009	ND<250	ND<6200	ND<12	--	ND<12	ND<12	ND<12	ND<12	--
5/1/2009	ND<250	--	ND<12	--	ND<12	ND<12	ND<12	ND<12	--
7/2/2009	ND<500	ND<12000	ND<25	--	ND<25	ND<25	ND<25	ND<25	--
1/18/2010	ND<250	ND<6200	ND<12	--	ND<12	ND<12	ND<12	ND<12	--
9/27/2010	ND<250	ND<6200	ND<12	ND<0.010	ND<12	ND<12	ND<12	ND<12	--
3/8/2011	ND<120	ND<3100	ND<6.2	--	ND<6.2	ND<6.2	ND<6.2	ND<0.50	--
8/24/2011	ND<10	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--
2/16/2012	ND<10	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--
8/6/2012[1]	ND<50	ND<1200	ND<2.5	--	ND<2.5	ND<2.5	ND<2.5	ND<2.5	--
1/30/2013[1]	ND<120	ND<3100	ND<6.2	--	ND<6.2	ND<6.2	ND<6.2	ND<6.2	--
1/30/2013[1]	ND<120	ND<3100	ND<6.2	--	ND<6.2	ND<6.2	ND<6.2	ND<6.2	--
8/1/2013	**ND<10**	**ND<250**	**ND<0.50**	**--**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**--**
U-3R									
7/6/2007	--	ND<250	--	--	--	--	--	--	--
1/7/2008	--	ND<250	--	--	--	--	--	--	--
6/24/2008	--	ND<250	--	--	--	--	--	--	--
8/29/2008	ND<10	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--
11/17/2008	ND<10	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--
3/13/2009	ND<10	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--
5/1/2009	ND<10	--	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--
7/2/2009	ND<10	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--
1/18/2010	ND<10	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--
9/27/2010	ND<10	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--
3/8/2011	ND<10	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--
8/24/2011	ND<10	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--
2/16/2012	ND<10	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--
8/6/2012	ND<10	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--
1/30/2013	ND<10	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--
8/1/2013	**ND<10**	**ND<250**	**ND<0.50**	**--**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**--**
U-5									
3/4/2004	--	ND<500	--	--	--	--	--	--	--
3/1/2005	--	ND<50	--	--	--	--	--	--	--
1/20/2006	--	ND<250	--	--	--	--	--	--	--
3/9/2007	--	ND<250	--	--	--	--	--	--	--
1/7/2008	--	ND<250	--	--	--	--	--	--	--
3/13/2009	ND<10	--	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--
1/18/2010	ND<10	--	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--
3/8/2011	ND<10	--	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--
2/16/2012	ND<10	--	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--
1/30/2013	ND<10	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--
U-6									
9/8/2005	--	ND<1000	--	--	--	--	--	--	--
1/20/2006	--	ND<250	--	--	--	--	--	--	--
7/11/2006	--	ND<250	--	--	--	--	--	--	--
3/9/2007	--	ND<250	--	--	--	--	--	--	--
7/6/2007	--	ND<250	--	--	--	--	--	--	--

Table 3
Additional Groundwater Analytical Results
376 Lewelling Boulevard, San Lorenzo, CA

Date Sampled	TBA (8260B) (µg/L)	Ethanol (8260B) (µg/L)	1,2-DBA (8260B) (µg/L)	1,2-DBA (504) (µg/L)	1,2-DCA (8260B) (µg/L)	DIPE (8260B) (µg/L)	EtBE (8260B) (µg/L)	TAME (8260B) (µg/L)	1,1-DCA (µg/L)
U-6 continued									
1/7/2008	--	ND<250	--	--	--	--	--	--	--
8/29/2008	ND<10	--	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--
3/13/2009	ND<10	--	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--
7/2/2009	ND<10	--	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--
1/18/2010	ND<10	--	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--
9/27/2010	ND<10	--	ND<0.50	ND<0.010	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--
3/8/2011	ND<10	--	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--
8/24/2011	ND<10	--	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--
2/16/2012	ND<10	--	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--
8/6/2012	ND<10	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--
1/30/2013	ND<10	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--
8/1/2013	**ND<10**	**ND<250**	**ND<0.50**	**--**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**--**
U-7									
9/8/2005	--	ND<1000	--	--	--	--	--	--	--
1/20/2006	--	ND<250	--	--	--	--	--	--	--
7/11/2006	--	ND<250	--	--	--	--	--	--	--
3/9/2007	--	ND<250	--	--	--	--	--	--	--
1/7/2008	--	ND<250	--	--	--	--	--	--	--
3/13/2009	ND<10	--	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--
1/18/2010	ND<10	--	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--
9/30/2010	ND<10	--	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--
3/8/2011	ND<10	--	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--
8/24/2011	ND<10	--	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--
2/16/2012	ND<10	--	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--
8/6/2012	ND<10	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--
1/30/2013	ND<10	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--
8/1/2013	**ND<10**	**ND<250**	**ND<0.50**	**--**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**--**
U-8									
3/27/1997	--	--	--	--	--	--	--	--	--
3/4/2004	--	ND<500	--	--	--	--	--	--	--
3/1/2005	--	ND<50	--	--	--	--	--	--	--
1/20/2006	--	ND<250	--	--	--	--	--	--	--
3/9/2007	--	ND<250	--	--	--	--	--	--	--
7/6/2007	--	ND<250	--	--	--	--	--	--	--
1/7/2008	--	ND<250	--	--	--	--	--	--	--
8/29/2008	ND<10	--	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--
3/13/2009	ND<10	--	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--
7/2/2009	ND<10	--	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--
1/18/2010	ND<10	--	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--
9/27/2010	ND<10	--	ND<0.50	ND<0.010	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--
3/8/2011	ND<10	--	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--
8/24/2011	ND<10	--	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--
2/16/2012	ND<10	--	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--
8/6/2012	ND<10	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--
1/30/2013	ND<10	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--
8/1/2013	**ND<10**	**ND<250**	**ND<0.50**	**--**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**--**
U-9									
3/4/2004	--	ND<500	--	--	--	--	--	--	--
3/1/2005	--	ND<50	--	--	--	--	--	--	--
1/20/2006	--	ND<250	--	--	--	--	--	--	--
3/9/2007	--	ND<250	--	--	--	--	--	--	--
1/7/2008	--	ND<250	--	--	--	--	--	--	--

Table 3
Additional Groundwater Analytical Results
376 Lewelling Boulevard, San Lorenzo, CA

Date Sampled	TBA (8260B) (µg/L)	Ethanol (8260B) (µg/L)	1,2-DBA (8260B) (µg/L)	1,2-DBA (504) (µg/L)	1,2-DCA (8260B) (µg/L)	DIPE (8260B) (µg/L)	EtBE (8260B) (µg/L)	TAME (8260B) (µg/L)	1,1-DCA (µg/L)
U-9 continued									
3/13/2009	ND<10	--	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--
1/18/2010	ND<10	--	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--
3/8/2011	ND<10	--	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--
2/16/2012	ND<10	--	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--
1/30/2013	ND<10	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--
U-1									
10/13/2000	ND	ND	ND	--	--	ND	ND	ND	ND
9/17/2002	ND<500	ND<2500	ND<10	--	--	ND<10	ND<10	ND<10	ND<10
9/5/2003	--	ND<500	--	--	--	--	--	--	--
3/4/2004	--	ND<20000	--	--	--	--	--	--	--
9/9/2004	--	ND<2000	--	--	--	--	--	--	--
3/1/2005	--	ND<1300	--	--	--	--	--	--	--
8/2/2005	--	ND<1000	--	--	--	--	--	--	--
1/20/2006	--	ND<250	--	--	--	--	--	--	--
7/11/2006	--	ND<25000	--	--	--	--	--	--	--
3/9/2007	--	ND<2500	--	--	--	--	--	--	--
U-3									
9/5/2003	--	ND<500	--	--	--	--	--	--	--
3/4/2004	--	ND<10000	--	--	--	--	--	--	--
9/9/2004	--	ND<250	--	--	--	--	--	--	--
3/1/2005	--	ND<500	--	--	--	--	--	--	--
8/2/2005	--	ND<250	--	--	--	--	--	--	--
1/20/2006	--	ND<250	--	--	--	--	--	--	--
7/11/2006	--	ND<2500	--	--	--	--	--	--	--
3/9/2007	--	ND<1200	--	--	--	--	--	--	--
7/6/2007	--	ND<250	--	--	--	--	--	--	--
TRIP BLANK									
QA									
1/30/2013	ND<10	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--
8/1/2013	**ND<10**	**ND<250**	**ND<0.50**	**--**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**--**

Notes:

TBA = Tertiary-Butyl Alcohol
1,2-DBA = 1,2-Dibromoethane
1,2-DCA = 1,2-Dichloroethane
DIPE = Di-Isopropyl Ether
EtBE = Ethyl Tertiary-Butyl Ether
TAME = Tertiary-Amyl Methyl Ether
1,1-DCA = 1,1-Dichloroethane
µg/L = Micrograms per liter
-- = Not Measured/Not Analyzed

[1] = Laboratory report indicates PQL's and MDL's were raised due to sample dilution.

Table 4
Monitored Natural Attenuation Parameters
376 Lewelling Boulevard, San Lorenzo, CA

Date Sampled	Pre-purge DO (mg/L)	Post-purge DO (mg/L)	Pre-purge ORP (mV)	Post-purge ORP (mV)	Total Alkalinity as $CaCO_3$ (mg/L)	Nitrate (mg/L)	Sulfate (mg/L)	Methane (mg/L)	Ferrous Iron (µg/L)	Total Sulfide (mg/L)
U-1R										
8/6/2012	0.52	0.55	238	218	550	12	11	14[1,2]	11000[1]	ND<0.10
1/30/2013	0.90	0.80	121	110	570	1.4	3.4	4.1[1]	5900[1]	ND<0.10
8/1/2013	**1.0**	**0.9**	**109**	**87**	**520**	**0.45**	**2.4**	**8.7[1]**	**6600[1]**	**ND<0.10**
U-2										
3/27/1997	4.36	4.49	--	--	--	--	--	--	--	--
U-3R										
8/6/2012	1.58	1.08	243	249	390	46	40	0.067	490	ND<0.10
1/30/2013	1.7	1.6	77	84	380	45	37	0.0070	210	ND<0.10
8/1/2013	**1.4**	**1.6**	**94**	**102**	**360**	**47**	**39**	**0.019**	**ND<100**	**ND<0.10**
U-4										
3/27/1997	3.32	3.26	--	--	--	--	--	--	--	--
U-5										
3/27/1997	3.74	3.77	--	--	--	--	--	--	--	--
1/30/2013	2.3	2.1	98	108	390	100[1]	51	0.0013	ND<100	ND<0.10
U-6										
3/20/1996	3.85	3.89	--	--	--	--	--	--	--	--
9/24/1996	3.73	3.81	--	--	--	--	--	--	--	--
3/27/1997	4.43	4.36	--	--	--	--	--	--	--	--
9/23/1997	--	4.14	--	--	--	--	--	--	--	--
3/10/1998	--	3.95	--	--	--	--	--	--	--	--
8/6/2012	1.61	0.70	173	148	410	3.2	12	0.58[1]	340	ND<0.10
1/30/2013	1.9	1.7	106	118	400	8.0	17	ND<0.0010	230	ND<0.10
8/1/2013	**1.6**	**1.8**	**101**	**112**	**370**	**5.2**	**25**	**ND<0.0010**	**140**	**ND<0.10**
U-7										
3/27/1997	3.29	3.38	--	--	--	--	--	--	--	--
8/6/2012	4.77	1.03	219	221	250	49	27	0.0012	ND<100	ND<0.10
1/30/2013	2.5	2.3	82	92	260	41	25	ND<0.0010	ND<100	ND<0.10
8/1/2013	**2.1**	**2.0**	**75**	**87**	**250**	**45**	**29**	**ND<0.0010**	**ND<100**	**ND<0.10**

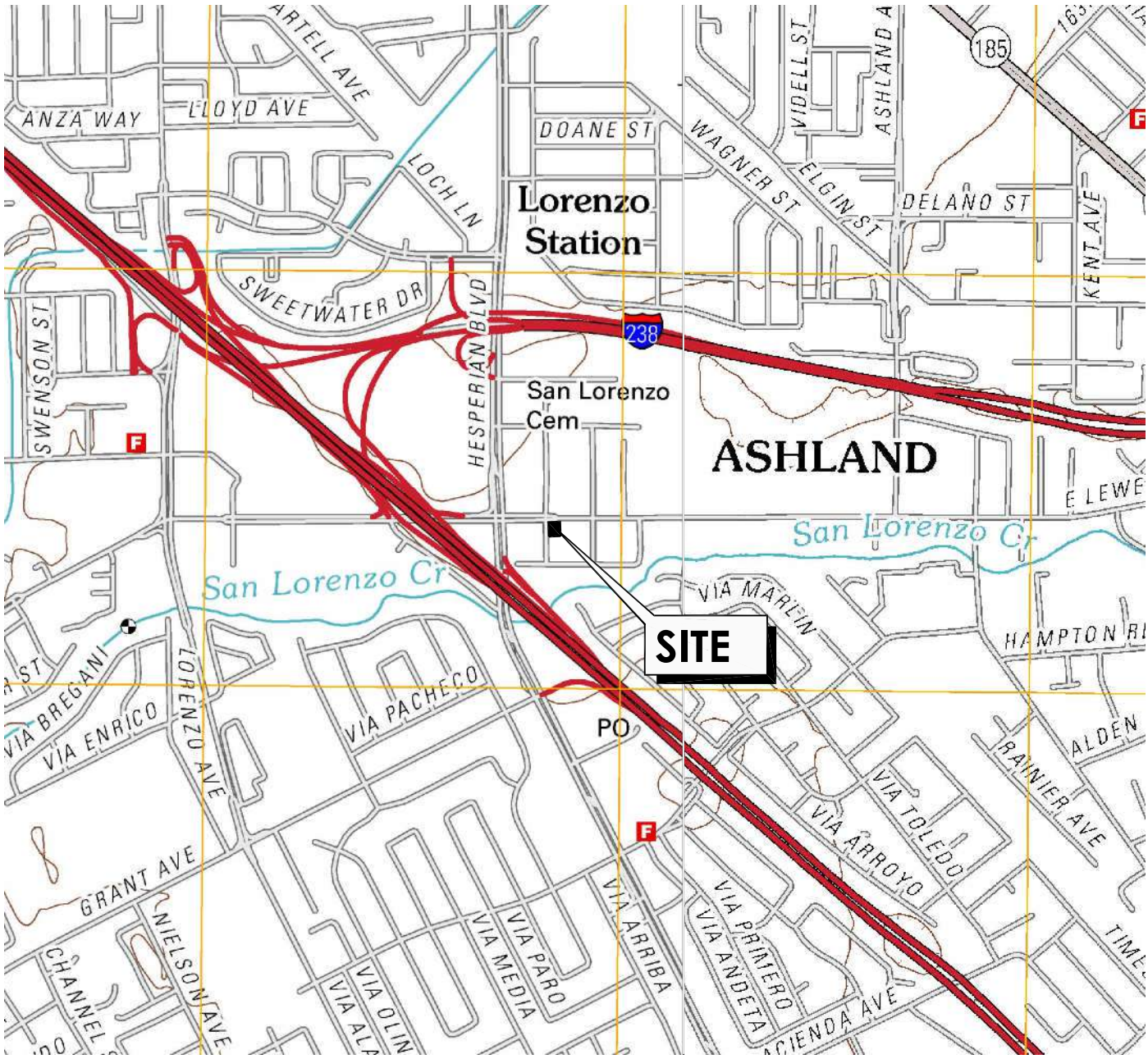
Table 4
Monitored Natural Attenuation Parameters
376 Lewelling Boulevard, San Lorenzo, CA

Date Sampled	Pre-purge DO (mg/L)	Post-purge DO (mg/L)	Pre-purge ORP (mV)	Post-purge ORP (mV)	Total Alkalinity as $CaCO_3$ (mg/L)	Nitrate (mg/L)	Sulfate (mg/L)	Methane (mg/L)	Ferrous Iron (µg/L)	Total Sulfide (mg/L)
U-8										
3/27/1997	3.04	3.11	--	--	--	--	--	--	--	--
8/6/2012	1.42	0.59	228	210	220	70	29	0.0035	ND<100	ND<0.10
1/30/2013	1.8	1.7	73	84	240	56	29	ND<0.0010	ND<100	ND<0.10
8/1/2013	**1.5**	**1.3**	**61**	**80**	**250**	**48**	**32**	**ND<0.0010**	**ND<100**	**ND<0.10**
U-9										
3/20/1996	4.02	4	--	--	--	--	--	--	--	--
9/24/1996	3.85	3.98	--	--	--	--	--	--	--	--
3/27/1997	3.65	3.57	--	--	--	--	--	--	--	--
9/23/1997	--	3.8	--	--	--	--	--	--	--	--
3/10/1998	--	3.62	--	--	--	--	--	--	--	--
1/30/2013	2.1	1.9	78	86	390	14	24	ND<0.0010	ND<100	ND<0.10
U-1										
3/27/1997	2.41	2.35	--	--	--	--	--	--	--	--
U-3										
3/27/1997	3.18	3.32	--	--	--	--	--	--	--	--

Notes:
DO = Dissolved Oxygen
ORP = Oxidation Reduction Potential
$CaCO_3$ = Calcium carbonate
mg/L = Milligrams per liter
mV = Millivolts
µg/L = Micrograms per liter
-- = Not Measured/Not Analyzed

[1] = Laboratory report indicates PQL's and MDL's were raised due to sample dilution.
[2] = Laboratory report indicates sample result is not within the quantitation range of the method.

FIGURES



REFERENCE: USGS 7.5 MINUTE QUADRANGLES;
HAYWARD, CALIFORNIA; 2012 AND SAN LEANDRO, CALIFORNIA; 2012

Stantec
3017 Kilgore Road, Suite 100
Rancho Cordova, CA 95670
PHONE: (916)861-0400 FAX: (916)861-0430

FOR:		SITE LOCATION MAP	FIGURE:
376 LEWELLING BOULEVARD SAN LORENZO, CALIFORNIA			1
JOB NUMBER: 211902149	DRAWN BY: JRO	CHECKED BY: EEO/MRK	APPROVED BY: SC	DATE: 10/30/13

FILEPATH:P:\Chevron\76 Products Portfolio\351561\GWM\2013\3Q13\Figures\Cadd\351561 3Q13.dwg | jopalekopsahl | Oct 30, 2013 at 8:10 | Layout: Fig 1_SLM

LEWELLING BOULEVARD

DRIVE

DRIVE

DRIVE

DRIVE

76-BRANDED
SERVICE STATION
#5760

CANOPY

DISPENSER ISLANDS

STATION BUILDING

USTs

U-5
(24.70)

U-4
(25.09)

U-3R
(24.80)

U-3

U-1R
(24.92)

U-1

U-2
(25.14)

U-6
(24.60)

U-8
(24.90)

U-9
(24.39)

U-7
(24.51)

25.10

25.00

24.90

24.80

24.70

24.60

24.50

24.40

0.002 to 0.010 ft/ft

USHER STREET

PETE'S TRANSMISSION
SERVICE

APARTMENT BUILDING

PLANTER

PARKING

PARKING

APARTMENT
BUILDING

APARTMENT
BUILDING

APARTMENT

RESIDENTIAL
AREA

LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- FENCE
- UST — UNDERGROUND STORAGE TANK
- GROUNDWATER MONITORING WELL
- DESTROYED MONITORING WELL
- GROUNDWATER ELEVATION CONTOUR; DASHED WHERE INFERRED (FEET ABOVE MEAN SEA LEVEL)
- (24.92) — GROUNDWATER ELEVATION (FEET ABOVE MEAN SEA LEVEL)
- APPROXIMATE DIRECTION OF GROUNDWATER FLOW. HYDRAULIC GRADIENT RANGES FROM 0.002 TO 0.010 FEET PER FOOT (ft/ft).

NOTE

GROUNDWATER ELEVATION DATA WERE COLLECTED ON AUGUST 1, 2013

GROUNDWATER CONTOURS WERE CREATED USING SURFER VERSION 8.0

N

0 30 60

APPROXIMATE SCALE IN FEET

Stantec
3017 Kilgore Road, Suite 100
Rancho Cordova, CA 95670
PHONE: (916)861-0400 FAX: (916)861-0430

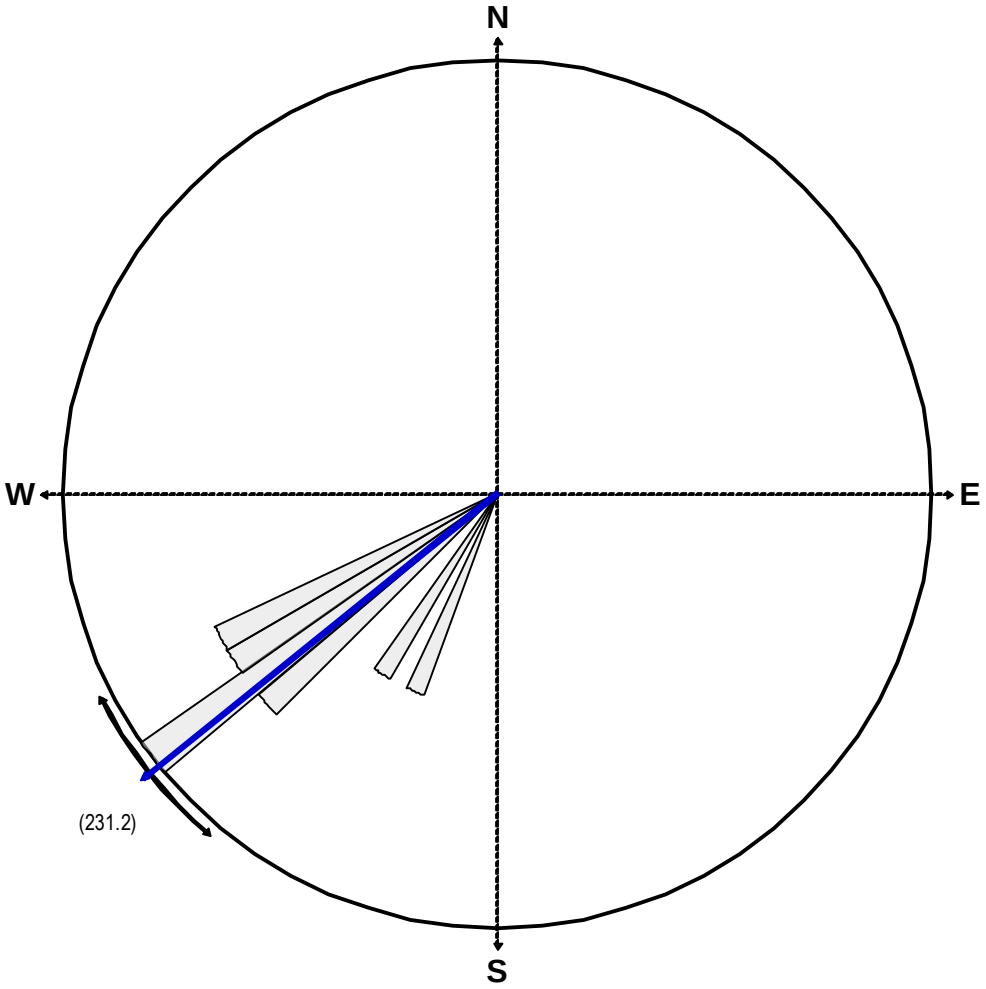
FOR:
376 LEWELLING BOULEVARD
SAN LORENZO, CALIFORNIA

GROUNDWATER ELEVATION
CONTOUR MAP -
THIRD QUARTER 2013

FIGURE: 2

JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
211902149	JRO	EEO/MRK	SC	10/30/13

FILEPATH:P:\Chevron\76 Products Portfolio\351561\GWM\2013\3Q13\Figures\Cadd\351561 3Q13.dwg | jopalekopsahl | Oct 29, 2013 at 15:39 | Layout: Fig 2_GWE



EQUAL AREA PLOT

Number of Points	12
Class Size	5
Vector Mean	231.18
Vector Magnitude	11.76
Consistency Ratio	0.98

NOTE: ROSE DIAGRAM IS BASED ON THE DIRECTION OF GROUNDWATER FLOW BEGINNING FOURTH QUARTER 2008.

Stantec
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Rancho Cordova, CA 95670
PHONE: (916)861-0400 FAX: (916)861-0430

FOR:			FIGURE:
376 LEWELLING BOULEVARD SAN LORENZO, CALIFORNIA		ROSE DIAGRAM - THIRD QUARTER 2013	3

JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
211902149	JRO	EEO/MRK	SC	10/30/13

FILEPATH:P:\Chevron\76 Products Portfolio\351561\GWM\2013\3Q13\Figures\Cadd\351561 3Q13.dwg | jopalekopsahl | Oct 29, 2013 at 15:30 | Layout: Fig 3_ROSE

LEWELLING BOULEVARD

DRIVE

DRIVE

DRIVE

DRIVE

76-BRANDED
SERVICE STATION
#5760

CANOPY

DISPENSER ISLANDS

STATION BUILDING

USTs

U-5
(NS)

U-4
(NS)

U-2
(NS)

U-3

U-3R

U-1

U-1R

U-6

U-7

U-8

U-9
(NS)

PETE'S TRANSMISSION
SERVICE

APARTMENT BUILDING

PLANTER

PARKING

PARKING

APARTMENT
BUILDING

APARTMENT

APARTMENT
BUILDING

RESIDENTIAL
AREA

USHER STREET

U-6*	µg/L
TPH-GRO	<50
B	<0.50
T	<0.50
E	<0.50
X	<1.0
MtBE	<0.50

U-3R*	µg/L
TPH-GRO	<50
B	<0.50
T	<0.50
E	<0.50
X	<1.0
MtBE	<0.50

U-1R*	µg/L
TPH-GRO	**9,200**
B	**0.68**
T	<0.50
E	**680**
X	**5.9**
MtBE	<0.50

U-8*	µg/L
TPH-GRO	<50
B	<0.50
T	<0.50
E	<0.50
X	<1.0
MtBE	<0.50

U-7*	µg/L
TPH-GRO	<50
B	<0.50
T	<0.50
E	<0.50
X	<1.0
MtBE	<0.50

LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- FENCE
- UST — UNDERGROUND STORAGE TANK
- GROUNDWATER MONITORING WELL
- DESTROYED MONITORING WELL
- (NS) — NOT SAMPLED

ANALYTES

- *TPH-GRO* — TOTAL PETROLEUM HYDROCARBONS AS GASOLINE RANGE ORGANICS
- *B* — BENZENE
- *T* — TOLUENE
- *E* — ETHYLBENZENE
- *X* — TOTAL XYLENES
- *MtBE* — METHYL TERTIARY-BUTYL ETHER

* = ADDITIONAL ANALYSES WERE RUN AND COMPLETE RESULTS ARE PRESENTED IN TABLES 3 & 4 AND ATTACHMENT B

µg/L = MICROGRAMS PER LITER

N

0 40 80

APPROXIMATE SCALE IN FEET

Stantec
3017 Kilgore Road, Suite 100
Rancho Cordova, CA 95670
PHONE: (916)861-0400 FAX: (916)861-0430

FOR:
376 LEWELLING BOULEVARD
SAN LORENZO, CALIFORNIA

SITE PLAN SHOWING
GROUNDWATER CONCENTRATIONS -
THIRD QUARTER 2013

FIGURE: 4

JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
211902149	JRO	EEO/MRK	SC	10/30/13

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LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- FENCE
- UST — UNDERGROUND STORAGE TANK
- GROUNDWATER MONITORING WELL
- DESTROYED MONITORING WELL
- (9,200) — TPH-GRO CONCENTRATION (µg/L)
- TPH-GRO CONTOUR; DASHED WHERE INFERRED
- (NS) — NOT SAMPLED
- TPH-GRO — TOTAL PETROLEUM HYDROCARBONS AS GASOLINE RANGE ORGANICS
- (µg/L) — MICROGRAMS PER LITER

LEWELLING BOULEVARD

DRIVE

DRIVE

DRIVE

76-BRANDED SERVICE STATION #5760

CANOPY

DISPENSER ISLANDS

U-5 (NS)

U-4 (NS)

STATION BUILDING

RESIDENTIAL AREA

PETE'S TRANSMISSION SERVICE

USHER STREET

100

1,000

U-1R (9,200)

U-3

U-3R (<50)

USTs

U-2 (NS)

U-1

PARKING

U-6 (<50)

APARTMENT BUILDING

PLANTER

U-8 (<50)

PARKING

U-9 (NS)

APARTMENT BUILDING

U-7 (<50)

APARTMENT BUILDING

APARTMENT

N

0 40 80

APPROXIMATE SCALE IN FEET

Stantec
3017 Kilgore Road, Suite 100
Rancho Cordova, CA 95670
PHONE: (916)861-0400 FAX: (916)861-0430

FOR: 376 LEWELLING BOULEVARD SAN LORENZO, CALIFORNIA

TPH-GRO ISOCONCENTRATION MAP - THIRD QUARTER 2013

FIGURE: 5

JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
211902149	JRO	EEO/MRK	SC	10/30/13

FILEPATH:P:\Chevron\76 Products Portfolio\351561\GWM\2013\3Q13\Figures\Cadd\351561 3Q13.dwg | jopalekopsahl | Oct 29, 2013 at 15:34 | Layout: Fig 5 _TPHg

ATTACHMENT A
Gettler-Ryan Inc. Field Data Sheets and Standard Operating Procedures – Third Quarter 2013

GETTLER-RYAN INC.

TRANSMITTAL

August 12, 2013
G-R #385679

TO: Mr. Sean Coyle
STANTEC
3017 Kilgore Road Suite100
Rancho Cordova, CA 95670

FROM: Deanna L. Harding
Project Coordinator
Gettler-Ryan Inc.
6747 Sierra Court, Suite J
Dublin, California 94568

RE: Chevron Facility
#351561/5760
376 Lewelling Boulevard
San Lorenzo, California

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DESCRIPTION
VIA PDF	Groundwater Monitoring and Sampling Data Package **Second Semi-Annual Event of August 1, 2013**

COMMENTS:

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

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

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

trans/351561/5760

WELL CONDITION STATUS SHEET

Client/
Facility #: Chevron #351561 / 5760 Job #: 385679

Site Address: 376 Lewelling Blvd. Event Date: 8/1/12

City: San Lorenzo, CA Sampler: JH

WELL ID	Vault Frame Condition	Gasket/ O-Ring (M) Missing (R) Replaced	Bolts (M) Missing (R) Replaced	Bolt Flanges B=Broken S=Stripped R=Retap	Apron Condition C=Cracked B=Broken G=Gone	Grout Seal (Deficient) Inches from TOC	Casing (Condition prevents tight cap seal)	REPLACE LOCK Y/N	REPLACE CAP Y/N	WELL VAULT Manufacture/Size/ # of Bolts	Pictures Taken Y/N
U-1R	ok							Y	Y 2"	12" emco	N
U-2	ok							N	N	↓	
U-3R	ok							Y	Y 2"	24" Vault	
U-4	ok							N	N	12" emco	
U-5	ok							Y	Y 2"	8" emco	
U-6	ok							Y	Y 2"	↓	
U-7	ok							Y	Y 2"		
U-8	ok							Y	Y 2"		
U-9	ok							Y	Y 2"		

Comments

STANDARD OPERATING PROCEDURE - GROUNDWATER SAMPLING

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

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

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

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

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

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

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #351561 / 5760 Job Number: 385679
Site Address: 376 Lewelling Blvd. Event Date: 8/1/17 (inclusive)
City: San Lorenzo, CA Sampler: JW

Well ID U-1R Date Monitored: 8/1/17
Well Diameter (2) 3 in.
Total Depth 24.58 ft.
Depth to Water 17.73 ft.

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

☐ Check if water column is less then 0.50 ft.

6.85 xVF .17 = 1.16 x3 case volume = Estimated Purge Volume: 3.59 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 19.10

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

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

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

Start Time (purge): 0920 Weather Conditions: Cloudy
Sample Time/Date: 0955 / 8/1/17 Water Color: Odor: Y / N
Approx. Flow Rate: — gpm. Sediment Description:
Did well de-water? NO If yes, Time: Volume: gal. DTW @ Sampling: 18.05

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - (µS))	Temperature ((C) / F)	D.O. (mg/L)	ORP (mV)
0924	1	6.95	758	19.8	PRE: 1.0	PRE: 109
0928	2	6.83	741	19.6		
0932	3.5	6.72	720	19.3		
					POST: .9	POST: 87

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
U-1R	3 x voa vial	YES	HCL	BC LABS	TPH-GRO GC/MS/BTEX+MTBE(8260)/8 OXYS(8260)
	1 x 1 liter poly	YES	NP	BC LABS	NITRATE/SULFATE/ALKALINITY
	1 x 500ml poly	YES	HCL	BC LABS	FERROUS IRON (SM20 3500 Fe B)
	1 x 500ml poly	YES	ZnAC	BC LABS	SULFIDE(375.3)
	2 x voa vial	YES	NP	BC LABS	METHANE (8015B)

COMMENTS: 12" emco

Add/Replaced Gasket: Add/Replaced Bolt: Add/Replaced Lock: X Add/Replaced Plug: X 2 "

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #351561 / 5760 Job Number: 385679
Site Address: 376 Lewelling Blvd. Event Date: 8/1/13 (inclusive)
City: San Lorenzo, CA Sampler: JH

Well ID U-2 Date Monitored: 8/1/13
Well Diameter 2 (3) in.
Total Depth 29.83 ft.
Depth to Water 18.57 ft.

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

☐ Check if water column is less then 0.50 ft.

11.32 xVF ___ = ___ x3 case volume = Estimated Purge Volume: ___ gal.

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

Purge Equipment:
Disposable Bailer ___
Stainless Steel Bailer ___
Stack Pump ___
Suction Pump ___
Grundfos ___
Peristaltic Pump ___
QED Bladder Pump ___
Other: ___

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

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

Start Time (purge): ___ Weather Conditions: ___
Sample Time/Date: ___ / ___ Water Color: ___ Odor: Y / N ___
Approx. Flow Rate: ___ gpm. Sediment Description: ___
Did well de-water? ___ If yes, Time: ___ Volume: ___ gal. DTW @ Sampling: ___

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
					PRE:	PRE:
					POST:	POST:

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
U-	x voa vial	YES	HCL	BC LABS	TPH-GRO GC/MS/BTEX+MTBE(8260)/8 OXYS(8260)
	x 1 liter poly	YES	NP	BC LABS	NITRATE/SULFATE/ALKALINITY
	x 500ml poly	YES	HCL	BC LABS	FERROUS IRON (SM20 3500 Fe B)
	x 500ml poly	YES	ZnAC	BC LABS	SULFIDE(375.3)
	x voa vial	YES	NP	BC LABS	METHANE (8015B)

COMMENTS: MW0 12" emco

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #351561 / 5760 Job Number: 385679
Site Address: 376 Lewelling Blvd. Event Date: 8/1/13 (inclusive)
City: San Lorenzo, CA Sampler: JH

Well ID U-3R Date Monitored: 8/1/13
Well Diameter 2/3 in.
Total Depth 24.62 ft.
Depth to Water 16.78 ft.

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

☐ Check if water column is less then 0.50 ft.

7.84 xVF .17 = 1.33 x3 case volume = Estimated Purge Volume: 3.99 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 18.34

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

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

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

Start Time (purge): 0820 Weather Conditions: Foggy
Sample Time/Date: 0855 / 8/1/13 Water Color: Light Odor: (Y) / N / Light
Approx. Flow Rate: — gpm. Sediment Description: Light
Did well de-water? NO If yes, Time: Volume: gal. DTW @ Sampling: 17.11

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
0824	1.5	7.28	705	19.9	PRE: 1.4	PRE: 94
0828	3.0	7.21	687	19.8		
0833	4.0	7.13	673	19.6		
					POST: 1.6	POST: 102

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
U-3R	3 x voa vial	YES	HCL	BC LABS	TPH-GRO GC/MS/BTEX+MTBE(8260)/8 OXYS(8260)
	1 x 1 liter poly	YES	NP	BC LABS	NITRATE/SULFATE/ALKALINITY
	1 x 500ml poly	YES	HCL	BC LABS	FERROUS IRON (SM20 3500 Fe B)
	1 x 500ml poly	YES	ZnAC	BC LABS	SULFIDE(375.3)
	2 x voa vial	YES	NP	BC LABS	METHANE (8015B)

COMMENTS: 24" Vault

Add/Replaced Gasket: Add/Replaced Bolt: Add/Replaced Lock: X Add/Replaced Plug: X 2"

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #351561 / 5760 Job Number: 385679
Site Address: 376 Lewelling Blvd. Event Date: 8/1/13 (inclusive)
City: San Lorenzo, CA Sampler: JH

Well ID U-4 Date Monitored: 8/1/13
Well Diameter 2 (3) in.
Total Depth 24.85 ft.
Depth to Water 17.60 ft.
7.25 xVF ___ = ___ x3 case volume = Estimated Purge Volume: ___ gal.
Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: ___

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

☐ Check if water column is less then 0.50 ft.

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

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

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

Start Time (purge): ___ Weather Conditions: ___
Sample Time/Date: ___ / ___ Water Color: ___ Odor: Y / N ___
Approx. Flow Rate: ___ gpm. Sediment Description: ___
Did well de-water? ___ If yes, Time: ___ Volume: ___ gal. DTW @ Sampling: ___

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
					PRE:	PRE:
					POST:	POST:

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
U-4	3 x voa vial	YES	HCL	BC LABS	TPH-GRO GC/MS/BTEX+MTBE(8260)/8 OXYS(8260)
	1 x 1 liter poly	YES	NP	BC LABS	NITRATE/SULFATE/ALKALINITY
	1 x 500ml poly	YES	HCL	BC LABS	FERROUS IRON (SM20 3500 Fe B)
	1 x 500ml poly	YES	ZnAC	BC LABS	SULFIDE(375.3)
	2 x voa vial	YES	NP	BC LABS	METHANE (8015B)

COMMENTS: 12" enco MW

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #351561 / 5760 Job Number: 385679
Site Address: 376 Lewelling Blvd. Event Date: 8/1/13 (inclusive)
City: San Lorenzo, CA Sampler: JH

Well ID U-5 Date Monitored: 8/1/13
Well Diameter (2)/ 3 in.
Total Depth 28.52 ft.
Depth to Water 17.04 ft.

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

☐ Check if water column is less then 0.50 ft.

11.48 xVF ___ = ___ x3 case volume = Estimated Purge Volume: ___ gal.

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

Purge Equipment:
- Disposable Bailer
- Stainless Steel Bailer
- Stack Pump
- Suction Pump
- Grundfos
- Peristaltic Pump
- QED Bladder Pump
- Other:

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

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

Start Time (purge): ___ Weather Conditions: ___
Sample Time/Date: ___ / ___ Water Color: ___ Odor: Y / N ___
Approx. Flow Rate: ___ gpm. Sediment Description: ___
Did well de-water? ___ If yes, Time: ___ Volume: ___ gal. DTW @ Sampling: ___

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
					PRE:	PRE:
					POST:	POST:

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
U-5	3 x voa vial	YES	HCL	BC LABS	TPH-GRO GC/MS/BTEX+MTBE(8260)/8 OXYS(8260)
	1 x 1 liter poly	YES	NP	BC LABS	NITRATE/SULFATE/ALKALINITY
	1 x 500ml poly	YES	HCL	BC LABS	FERROUS IRON (SM20 3500 Fe B)
	1 x 500ml poly	YES	ZnAC	BC LABS	SULFIDE(375.3)
	2 x voa vial	YES	NP	BC LABS	METHANE (8015B)

COMMENTS: 8" emco

Add/Replaced Gasket: ___ Add/Replaced Bolt: ___ Add/Replaced Lock: X Add/Replaced Plug: X 2"

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #351561 / 5760 | Job Number: 385679
Site Address: 376 Lewelling Blvd. | Event Date: 8/1/13 (inclusive)
City: San Lorenzo, CA | Sampler: JH

Well ID: U-6 | Date Monitored: 8/1/13
Well Diameter: (2) 3 in.
Total Depth: 28.31 ft.
Depth to Water: 15.47 ft. ☐ Check if water column is less then 0.50 ft.

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

12.84 xVF .17 = 2.18 x3 case volume = Estimated Purge Volume: 6.54 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 18.03

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

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

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

Start Time (purge): 0645 | Weather Conditions: Foggy
Sample Time/Date: 0715 / 8/1/13 | Water Color: Clear | Odor: Y / (N)
Approx. Flow Rate: — gpm. | Sediment Description: None
Did well de-water? NO | If yes, Time: _____ Volume: _____ gal. DTW @ Sampling: 15.60

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - (µS))	Temperature ((C) / F)	D.O. (mg/L)	ORP (mV)
0650	2	7.29	596	19.8	PRE: 1.6	PRE: 101
0655	4	7.20	581	19.7		
0700	6	7.15	552	19.4		
					POST: 1.8	POST: 112

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
U-6	3 x voa vial	YES	HCL	BC LABS	TPH-GRO GC/MS/BTEX+MTBE(8260)/8 OXYS(8260)
	1 x 1 liter poly	YES	NP	BC LABS	NITRATE/SULFATE/ALKALINITY
	1 x 500ml poly	YES	HCL	BC LABS	FERROUS IRON (SM20 3500 Fe B)
	1 x 500ml poly	YES	ZnAC	BC LABS	SULFIDE(375.3)
	2 x voa vial	YES	NP	BC LABS	METHANE (8015B)

COMMENTS:

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #351561 / 5760 Job Number: 385679
Site Address: 376 Lewelling Blvd. Event Date: 8/1/13 (inclusive)
City: San Lorenzo, CA Sampler: JH

Well ID U-7 Date Monitored: 8/1/13
Well Diameter (2)/3 in.
Total Depth 34.80 ft.
Depth to Water 14.99 ft.

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

☐ Check if water column is less then 0.50 ft.

19.81 xVF .17 = 3.36 x3 case volume = Estimated Purge Volume: 10.10 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 18.95

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

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

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

Start Time (purge): 0600 Weather Conditions: Foggy
Sample Time/Date: 0630 / 8/1/13 Water Color: Clear Odor: Y / (N)
Approx. Flow Rate: 1 gpm. Sediment Description: None
Did well de-water? NO If yes, Time: Volume: gal. DTW @ Sampling: 15.22

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
0603	3	7.38	581	19.4	PRE: 2.1	PRE: 75
0606	6	7.32	564	19.3		
0610	10	7.16	555	19.1		
					POST: 2.0	POST: 87

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
U-7	3 x voa vial	YES	HCL	BC LABS	TPH-GRO GC/MS/BTEX+MTBE(8260)/8 OXYS(8260)
	1 x 1 liter poly	YES	NP	BC LABS	NITRATE/SULFATE/ALKALINITY
	1 x 500ml poly	YES	HCL	BC LABS	FERROUS IRON (SM20 3500 Fe B)
	1 x 500ml poly	YES	ZnAC	BC LABS	SULFIDE(375.3)
	2 x voa vial	YES	NP	BC LABS	METHANE (8015B)

COMMENTS:

Add/Replaced Gasket: Add/Replaced Bolt: Add/Replaced Lock: X Add/Replaced Plug: X 2"

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #351561 / 5760 Job Number: 385679
Site Address: 376 Lewelling Blvd. Event Date: 8/1/13 (inclusive)
City: San Lorenzo, CA Sampler: JH

Well ID U-8
Well Diameter (2)V 3 in.
Total Depth 28.79 ft.
Depth to Water 16.05 ft.
Date Monitored: 8/1/13

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

☐ Check if water column is less then 0.50 ft.

12.74 xVF .17 = 2.16 x3 case volume = Estimated Purge Volume: 6.49 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 18.59

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

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

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

Start Time (purge): 0730 Weather Conditions: Foggy
Sample Time/Date: 0800 / 8/1/13 Water Color: LT BRN Odor: Y / (N)
Approx. Flow Rate: — gpm. Sediment Description: Lt silty
Did well de-water? NO If yes, Time: Volume: gal. DTW @ Sampling: 16.19

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
0735	2	7.59	594	19.8	PRE: 1.5	PRE: 61
0740	4	7.50	573	19.6		
0745	6.5	7.27	545	19.5		
					POST: 1.3	POST: 80

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
U-8	3 x voa vial	YES	HCL	BC LABS	TPH-GRO GC/MS/BTEX+MTBE(8260)/8 OXYS(8260)
	1 x 1 liter poly	YES	NP	BC LABS	NITRATE/SULFATE/ALKALINITY
	1 x 500ml poly	YES	HCL	BC LABS	FERROUS IRON (SM20 3500 Fe B)
	1 x 500ml poly	YES	ZnAC	BC LABS	SULFIDE(375.3)
	2 x voa vial	YES	NP	BC LABS	METHANE (8015B)

COMMENTS: 12" emco

Add/Replaced Gasket: Add/Replaced Bolt: Add/Replaced Lock: X Add/Replaced Plug: X 2"

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #351561 / 5760 Job Number: 385679
Site Address: 376 Lewelling Blvd. Event Date: 8/1/13 (inclusive)
City: San Lorenzo, CA Sampler: JH

Well ID U-9 Date Monitored: 8/1/13
Well Diameter (2) 3 in.
Total Depth 28.10 ft.
Depth to Water 15.33 ft.

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

☐ Check if water column is less then 0.50 ft.

12.77 xVF _____ = _____ x3 case volume = Estimated Purge Volume: _____ gal.

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

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

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

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

Start Time (purge): _____ Weather Conditions: _____
Sample Time/Date: _____ / _____ Water Color: _____ Odor: Y / N _____
Approx. Flow Rate: _____ gpm. Sediment Description: _____
Did well de-water? _____ If yes, Time: _____ Volume: _____ gal. DTW @ Sampling: _____

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
					PRE:	PRE:
					POST:	POST:

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
U-	x voa vial	YES	HCL	BC LABS	TPH-GRO GC/MS/BTEX+MTBE(8260)/8 OXYS(8260)
	x 1 liter poly	YES	NP	BC LABS	NITRATE/SULFATE/ALKALINITY
	x 500ml poly	YES	HCL	BC LABS	FERROUS IRON (SM20 3500 Fe B)
	x 500ml poly	YES	ZnAC	BC LABS	SULFIDE(375.3)
	x voa vial	YES	NP	BC LABS	METHANE (8015B)

COMMENTS: MW

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Lock: X Add/Replaced Plug: X 2

CHAIN OF CUSTODY FORM

Union Oil Company of California ■ 6101 Bollinger Canyon Road ■ San Ramon, CA 94583

COC 1 of 1

Union Oil Site ID: 5760	Union Oil Consultant: Stantec
Site Global ID: T0600101469	Consultant Contact: Sean Coyle
Site Address: 376 Lewelling Bl San Lorenzo CA	Consultant Phone No.: 916-284-0740
	Sampling Company: Gettler Ryan
Union Oil PM: Tim Bishop	Sampled By (PRINT): Jim Herron
Union Oil PM Phone No.: 925-790-6463	Sampler Signature: [signature]
Charge Code: NWRTB- 0 351161 -0- LAB	**BC Laboratories, Inc.**
This is a LEGAL document. ALL fields must be filled out CORRECTLY and COMPLETELY.	**Project Manager: Molly Meyers** 4100 Atlas Court, Bakersfield, CA 93308 Phone No. 661-327-4911

ANALYSES REQUIRED

Turnaround Time (TAT): Standard ☒ 24 Hours ☐ 48 Hours ☐ 72 Hours ☐

Special Instructions

SAMPLE ID

Field Point Name	Matrix	Depth	Date (yymmdd)	Sample Time	# of Containers	TPH - Diesel by EPA 8015	TPH - G by GC/MS	BTEX/MTBE/OXYS by EPA 8260B	Ethanol by EPA 8260B	EPA 8260B Full List with OXYS	8 oxys (8260)	nitrate/sulfate/alkalinity (300.0)	Ferrous Iron SM3500 Fe b	sulfide (376.2)	Methane (8015)		Notes / Comments
QA	W-S-A		130801		2		X	X									
U-1R	W-S-A		↓	0955	8		↓	↓			X	X	X	X	X		
U-2R	W-S-A		↓	0855	↓		↓	↓			↓	↓	↓	↓	↓		
U-6	W-S-A		↓	0715	↓		↓	↓			↓	↓	↓	↓	↓		
U-7	W-S-A		↓	0630	↓		↓	↓			↓	↓	↓	↓	↓		
U-8	W-S-A		↓	0800	↓		↓	↓			↓	↓	↓	↓	↓		
	W-S-A																
	W-S-A																
	W-S-A																
	W-S-A																
	W-S-A																
	W-S-A																

Relinquished By	Company	Date / Time:	Relinquished By	Company	Date / Time :	Relinquished By	Company	Date / Time:
[signature]	Gettler Ryan	8/1/13 1300	Mayberry	B-R	8/1/13 235			
Received By	**Company**	**Date / Time:**	**Received By**	**Company**	**Date / Time :**	**Received By**	**Company**	**Date / Time:**
Mayberry	BR	8/1/13 235	Gary Bogren	BC Labs	8-1-13			

ATTACHMENT B
Certified Laboratory Analysis Reports and Chain-of-Custody Documents

BC Laboratories, Inc.
Environmental Testing Laboratory Since 1949

Date of Report: 08/13/2013

Sean Coyle

Stantec
3017 Kilgore Rd, Suite 100
Rancho Cordova, CA 95670

Project:	5760
BC Work Order:	1316182
Invoice ID:	B152635

Enclosed are the results of analyses for samples received by the laboratory on 8/1/2013. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Molly Meyers

Contact Person: Molly Meyers
Client Service Rep

Authorized Signature

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13-16182

CHAIN OF CUSTODY FORM

Union Oil Company of California ■ 6101 Bollinger Canyon Road ■ San Ramon, CA 94583

COC 1 of 1

Union Oil Site ID: 5760	Union Oil Consultant: Stantec
Site Global ID: T0600101469	Consultant Contact: Sean Coyle
Site Address: 376 Lewelling BL San Lorenzo CA	Consultant Phone No.: 916-384-0740
	Sampling Company: Gettler Ryan
Union Oil PM: Tim Bishop	Sampled By (PRINT): Jim Herron
Union Oil PM Phone No.: 925-790-6463	
Charge Code: NWRTB-0 351561 -0- LAB	Sampler Signature: [signature]
This is a LEGAL document. ALL fields must be filled out CORRECTLY and COMPLETELY.	BC Laboratories, Inc. Project Manager: Molly Meyers 4100 Atlas Court, Bakersfield, CA 93308 Phone No. 661-327-4911

ANALYSES REQUIRED

Turnaround Time (TAT): Standard [X] 24 Hours [ ] 48 Hours [ ] 72 Hours [ ]

Special Instructions

SAMPLE ID

Field Point Name		Matrix	Depth	Date (yymmdd)	Sample Time	# of Containers	TPH - Diesel by EPA 8015	TPH - G by GC/MS	BTEX/MTBE/OXYS by EPA 8260B	Ethanol by EPA 8260B	EPA 8260B Full List with OXYS	8 oxys (8260)	nitrate/sulfate/Alkalinity (SM 3500 Fe?)	Ferrous Iron SM 20 3500 Fe b	sulfide (375.3)	Methane (8015)		Notes / Comments
-1	QA	W-S-A		130801		2		X	X									
-2	U-1R	W-S-A		↓	0955	8		↓	↓			X	X	X	X	X		
-3	U-3R	W-S-A		↓	0855	↓		↓	↓			↓	↓	↓	↓	↓		
-4	U-6	W-S-A		↓	0715	↓		↓	↓			↓	↓	↓	↓	↓		
-5	U-7	W-S-A		↓	0630	↓		↓	↓			↓	↓	↓	↓	↓		
-6	U-8	W-S-A		↓	0800	↓		↓	↓			↓	↓	↓	↓	↓		
		W-S-A																
		W-S-A																
		W-S-A																
		W-S-A																
		W-S-A																
		W-S-A																

Relinquished By	Company	Date / Time:	Relinquished By	Company	Date / Time:	Relinquished By	Company	Date / Time:
[signature]	Gettler Ryan	8/1/13 1300	[signature]	B-R	8/1/13 235	Gary Bogan	BC Lab	8-1-13 1830
Received By	**Company**	**Date / Time:**	**Received By**	**Company**	**Date / Time:**	**Received By**	**Company**	**Date / Time:**
[signature]	A-R	8/1/13 235	Gary Bogan	BC Lab	8-1-13 1330	[signature]	BCLAB	8-1-13 18:30

REL. [signature] 8-1-13 22:00 Rec: SAS 8.1.13 2200

Chain of Custody and Cooler Receipt Form for 1316182 Page 2 of 2

BC LABORATORIES INC. COOLER RECEIPT FORM Rev. No. 15 07/01/13 Page 1 Of 1

Submission #: 13-16182

SHIPPING INFORMATION
Federal Express ☐ UPS ☐ Hand Delivery
BC Lab Field Service ☑ Other ☐ (Specify)______

SHIPPING CONTAINER
Ice Chest ☑ None ☐ Box ☐
Other ☐ (Specify)______

FREE LIQUID
YES ☐ NO ☐

Refrigerant: Ice ☑ Blue Ice ☐ None ☐ Other ☐ Comments:

Custody Seals: Ice Chest ☐ Intact? Yes ☐ No ☐ | Containers ☐ Intact? Yes ☐ No ☐ | None ☑ Comments:

All samples received? Yes ☒ No ☐ All samples containers intact? Yes ☒ No ☐ Description(s) match COC? Yes ☒ No ☐

COC Received ☑ YES ☐ NO

Emissivity: 0.98 Container: QtPE Thermometer ID: 207 Date/Time 8.1.13 2200
Temperature: (A) 1.5 °C / (C) 1.6 °C Analyst Init SAS

SAMPLE CONTAINERS	1	2	3	4	5	6	7	8	9	10
T GENERAL MINERAL/ GENERAL		C	C	C	C	C				
T PE UNPRESERVED										
T INORGANIC CHEMICAL METALS										
T INORGANIC CHEMICAL METALS										
T CYANIDE										
T NITROGEN FORMS										
T TOTAL SULFIDE		D	D	D	D	D				
z. NITRATE / NITRITE										
T TOTAL ORGANIC CARBON										
T TOX										
T CHEMICAL OXYGEN DEMAND										
A PHENOLICS										
ml VOA VIAL TRAVEL BLANK	A(2)									
ml VOA VIAL		A 3	A 3	A 3	A 3	A 3				
T EPA 413.1, 413.2, 418.1										
T ODOR										
RADIOLOGICAL		~~AWI 8/2/13~~								
BACTERIOLOGICAL										
ml VOA VIAL ~~504~~ unpreserved		BA(2)	B(2)	B(2)	B(2)	B(2)				
T EPA 508/608/8080										
T EPA 515.1/8150										
T EPA 525										
T EPA 525 TRAVEL BLANK										
ml EPA 547										
ml EPA 531.1										
T EPA 548										
T EPA 549										
T EPA 632										
T EPA 8015M										
T AMBER										
OZ. JAR										
OZ. JAR										
IL SLEEVE										
B VIAL										
PLASTIC BAG										
FERROUS IRON		E	E	E	E	E				
ENCORE										
SMART KIT										
Summa Canister										

SHORT HOLDING TIME
Cr^{+6} NO_2 (NO_3) OP SS
DO Cl_2 BOD MBAS COT

~~SHORT HOLDING TIME~~ (AWI 8/2/13)
~~Cr^{+6} NO_2 (NO_3) OP SS~~
~~DO Cl_2 BOD MBAS COT~~
Needed!! AWI 8/2/13

CHK BY: AWI DISTRIBUTION: MAS/MTK/TC
SUB OUT ☐

Comments:
Sample Numbering Completed By: AWI Date/Time: 8/2/13 @ 0720
A = Actual / C = Corrected

S:\MyDOCS\WordPerfect\LAB DOCS\FORMS\SAMREC151

Stantec
3017 Kilgore Rd, Suite 100
Rancho Cordova, CA 95670

Reported: 08/13/2013 23:32
Project: 5760
Project Number: 351561
Project Manager: Sean Coyle

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
1316182-01	**COC Number:**	---	**Receive Date:**	08/01/2013 22:00
	Project Number:	5760	**Sampling Date:**	08/01/2013 00:00
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	QA-W-130801	**Lab Matrix:**	Water
	Sampled By:	GRD	**Sample Type:**	Blank Water
	Delivery Work Order:			
	Global ID: T0600101469			
	Location ID (FieldPoint): QA			
	Matrix: W			
	Sample QC Type (SACode): CS			
	Cooler ID:			
1316182-02	**COC Number:**	---	**Receive Date:**	08/01/2013 22:00
	Project Number:	5760	**Sampling Date:**	08/01/2013 09:55
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	U-1R-W-130801	**Lab Matrix:**	Water
	Sampled By:	GRD	**Sample Type:**	Water
	Delivery Work Order:			
	Global ID: T0600101469			
	Location ID (FieldPoint): U-1R			
	Matrix: W			
	Sample QC Type (SACode): CS			
	Cooler ID:			
1316182-03	**COC Number:**	---	**Receive Date:**	08/01/2013 22:00
	Project Number:	5760	**Sampling Date:**	08/01/2013 08:55
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	U-3R-W-130801	**Lab Matrix:**	Water
	Sampled By:	GRD	**Sample Type:**	Water
	Delivery Work Order:			
	Global ID: T0600101469			
	Location ID (FieldPoint): U-3R			
	Matrix: W			
	Sample QC Type (SACode): CS			
	Cooler ID:			

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Reported: 08/13/2013 23:32
Project: 5760
Project Number: 351561
Project Manager: Sean Coyle

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
1316182-04	**COC Number:**	---	**Receive Date:**	08/01/2013 22:00
	Project Number:	5760	**Sampling Date:**	08/01/2013 07:15
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	U-6-W-130801	**Lab Matrix:**	Water
	Sampled By:	GRD	**Sample Type:**	Water
			Delivery Work Order:	
			Global ID: T0600101469	
			Location ID (FieldPoint): U-6	
			Matrix: W	
			Sample QC Type (SACode): CS	
			Cooler ID:	
1316182-05	**COC Number:**	---	**Receive Date:**	08/01/2013 22:00
	Project Number:	5760	**Sampling Date:**	08/01/2013 06:30
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	U-7-W-130801	**Lab Matrix:**	Water
	Sampled By:	GRD	**Sample Type:**	Water
			Delivery Work Order:	
			Global ID: T0600101469	
			Location ID (FieldPoint): U-7	
			Matrix: W	
			Sample QC Type (SACode): CS	
			Cooler ID:	
1316182-06	**COC Number:**	---	**Receive Date:**	08/01/2013 22:00
	Project Number:	5760	**Sampling Date:**	08/01/2013 08:00
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	U-8-W-130801	**Lab Matrix:**	Water
	Sampled By:	GRD	**Sample Type:**	Water
			Delivery Work Order:	
			Global ID: T0600101469	
			Location ID (FieldPoint): U-8	
			Matrix: W	
			Sample QC Type (SACode): CS	
			Cooler ID:	

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Reported: 08/13/2013 23:32
Project: 5760
Project Number: 351561
Project Manager: Sean Coyle

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1316182-01 | **Client Sample Name:** 5760, QA-W-130801, 8/1/2013 12:00:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.50	EPA-8260B	ND		1
1,2-Dibromoethane	ND	ug/L	0.50	EPA-8260B	ND		1
1,2-Dichloroethane	ND	ug/L	0.50	EPA-8260B	ND		1
Ethylbenzene	ND	ug/L	0.50	EPA-8260B	ND		1
Methyl t-butyl ether	ND	ug/L	0.50	EPA-8260B	ND		1
Toluene	ND	ug/L	0.50	EPA-8260B	ND		1
Total Xylenes	ND	ug/L	1.0	EPA-8260B	ND		1
t-Amyl Methyl ether	ND	ug/L	0.50	EPA-8260B	ND		1
t-Butyl alcohol	ND	ug/L	10	EPA-8260B	ND		1
Diisopropyl ether	ND	ug/L	0.50	EPA-8260B	ND		1
Ethanol	ND	ug/L	250	EPA-8260B	ND		1
Ethyl t-butyl ether	ND	ug/L	0.50	EPA-8260B	ND		1
Gasoline Range Organics (C4-C12)	ND	ug/L	50	Luft-GC/MS	ND		1
1,2-Dichloroethane-d4 (Surrogate)	93.9	%	75 - 125 (LCL - UCL)	EPA-8260B			1
Toluene-d8 (Surrogate)	93.9	%	80 - 120 (LCL - UCL)	EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	103	%	80 - 120 (LCL - UCL)	EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	08/02/13	08/02/13 11:22	EAR	MS-V12	1	BWH0139

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Reported: 08/13/2013 23:32
Project: 5760
Project Number: 351561
Project Manager: Sean Coyle

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1316182-02 | **Client Sample Name:** 5760, U-1R-W-130801, 8/1/2013 9:55:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Benzene	**0.68**	**ug/L**	**0.50**	**EPA-8260B**	ND		1
1,2-Dibromoethane	ND	ug/L	0.50	EPA-8260B	ND		1
1,2-Dichloroethane	ND	ug/L	0.50	EPA-8260B	ND		1
Ethylbenzene	**680**	**ug/L**	**5.0**	**EPA-8260B**	ND	**A01**	2
Methyl t-butyl ether	ND	ug/L	0.50	EPA-8260B	ND		1
Toluene	ND	ug/L	0.50	EPA-8260B	ND		1
Total Xylenes	**5.9**	**ug/L**	**1.0**	**EPA-8260B**	ND		1
t-Amyl Methyl ether	ND	ug/L	0.50	EPA-8260B	ND		1
t-Butyl alcohol	ND	ug/L	10	EPA-8260B	ND		1
Diisopropyl ether	ND	ug/L	0.50	EPA-8260B	ND		1
Ethanol	ND	ug/L	250	EPA-8260B	ND		1
Ethyl t-butyl ether	ND	ug/L	0.50	EPA-8260B	ND		1
Gasoline Range Organics (C4-C12)	**9200**	**ug/L**	**500**	**Luft-GC/MS**	ND	**A01**	2
1,2-Dichloroethane-d4 (Surrogate)	95.6	%	75 - 125 (LCL - UCL)	EPA-8260B			1
1,2-Dichloroethane-d4 (Surrogate)	99.8	%	75 - 125 (LCL - UCL)	EPA-8260B			2
Toluene-d8 (Surrogate)	99.6	%	80 - 120 (LCL - UCL)	EPA-8260B			1
Toluene-d8 (Surrogate)	93.0	%	80 - 120 (LCL - UCL)	EPA-8260B			2
4-Bromofluorobenzene (Surrogate)	90.8	%	80 - 120 (LCL - UCL)	EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	97.7	%	80 - 120 (LCL - UCL)	EPA-8260B			2

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	08/02/13	08/02/13 12:15	EAR	MS-V12	1	BWH0139
2	EPA-8260B	08/02/13	08/02/13 14:33	EAR	MS-V12	10	BWH0139

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Reported: 08/13/2013 23:32
Project: 5760
Project Number: 351561
Project Manager: Sean Coyle

Gas Testing in Water

BCL Sample ID: 1316182-02 | **Client Sample Name:** 5760, U-1R-W-130801, 8/1/2013 9:55:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Methane	**8.7**	**mg/L**	**0.025**	**RSK-175M**	ND	**A01**	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	RSK-175M	08/06/13	08/06/13 13:41	EAR	GC-V1	25	BWH0346

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Reported: 08/13/2013 23:32
Project: 5760
Project Number: 351561
Project Manager: Sean Coyle

Water Analysis (General Chemistry)

BCL Sample ID: 1316182-02 | **Client Sample Name:** 5760, U-1R-W-130801, 8/1/2013 9:55:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Total Alkalinity as CaCO3	**520**	**mg/L**	**4.1**	**EPA-310.1**	ND		1
Nitrate as NO3	**0.45**	**mg/L**	**0.44**	**EPA-300.0**	ND		2
Sulfate	**2.4**	**mg/L**	**1.0**	**EPA-300.0**	ND		2
Iron (II) Species	**6600**	**ug/L**	**1000**	**SM-3500-FeD**	ND	**A01**	3
Total Sulfide	ND	mg/L	0.10	SM-4500SD	ND		4

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-310.1	08/02/13	08/03/13 01:09	RML	MET-1	1	BWH0300
2	EPA-300.0	08/02/13	08/03/13 01:40	LS1	IC1	1	BWH0208
3	SM-3500-FeD	08/02/13	08/02/13 10:51	TDC	KONE-1	10	BWH0183
4	SM-4500SD	08/07/13	08/07/13 14:30	DIW	SPEC05	1	BWH0570

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Reported: 08/13/2013 23:32
Project: 5760
Project Number: 351561
Project Manager: Sean Coyle

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1316182-03 | **Client Sample Name:** 5760, U-3R-W-130801, 8/1/2013 8:55:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.50	EPA-8260B	ND		1
1,2-Dibromoethane	ND	ug/L	0.50	EPA-8260B	ND		1
1,2-Dichloroethane	ND	ug/L	0.50	EPA-8260B	ND		1
Ethylbenzene	ND	ug/L	0.50	EPA-8260B	ND		1
Methyl t-butyl ether	ND	ug/L	0.50	EPA-8260B	ND		1
Toluene	ND	ug/L	0.50	EPA-8260B	ND		1
Total Xylenes	ND	ug/L	1.0	EPA-8260B	ND		1
t-Amyl Methyl ether	ND	ug/L	0.50	EPA-8260B	ND		1
t-Butyl alcohol	ND	ug/L	10	EPA-8260B	ND		1
Diisopropyl ether	ND	ug/L	0.50	EPA-8260B	ND		1
Ethanol	ND	ug/L	250	EPA-8260B	ND		1
Ethyl t-butyl ether	ND	ug/L	0.50	EPA-8260B	ND		1
Gasoline Range Organics (C4-C12)	ND	ug/L	50	Luft-GC/MS	ND		1
1,2-Dichloroethane-d4 (Surrogate)	99.7	%	75 - 125 (LCL - UCL)	EPA-8260B			1
Toluene-d8 (Surrogate)	100	%	80 - 120 (LCL - UCL)	EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	104	%	80 - 120 (LCL - UCL)	EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	08/02/13	08/02/13 14:16	EAR	MS-V12	1	BWH0139

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Reported: 08/13/2013 23:32
Project: 5760
Project Number: 351561
Project Manager: Sean Coyle

Gas Testing in Water

BCL Sample ID: 1316182-03 | **Client Sample Name:** 5760, U-3R-W-130801, 8/1/2013 8:55:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Methane	**0.019**	**mg/L**	**0.0010**	**RSK-175M**	ND		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	RSK-175M	08/06/13	08/06/13 13:45	EAR	GC-V1	1	BWH0346

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Reported: 08/13/2013 23:32
Project: 5760
Project Number: 351561
Project Manager: Sean Coyle

Water Analysis (General Chemistry)

BCL Sample ID: 1316182-03 | **Client Sample Name:** 5760, U-3R-W-130801, 8/1/2013 8:55:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Total Alkalinity as CaCO3	**360**	**mg/L**	**4.1**	**EPA-310.1**	ND		1
Nitrate as NO3	**47**	**mg/L**	**0.44**	**EPA-300.0**	ND		2
Sulfate	**39**	**mg/L**	**1.0**	**EPA-300.0**	ND		2
Iron (II) Species	ND	ug/L	100	SM-3500-FeD	ND		3
Total Sulfide	ND	mg/L	0.10	SM-4500SD	ND		4

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-310.1	08/02/13	08/03/13 01:15	RML	MET-1	1	BWH0300
2	EPA-300.0	08/02/13	08/03/13 01:57	LS1	IC1	1	BWH0208
3	SM-3500-FeD	08/02/13	08/02/13 10:40	TDC	KONE-1	1	BWH0183
4	SM-4500SD	08/07/13	08/07/13 14:30	DIW	SPEC05	1	BWH0570

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Reported: 08/13/2013 23:32
Project: 5760
Project Number: 351561
Project Manager: Sean Coyle

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1316182-04 | **Client Sample Name:** 5760, U-6-W-130801, 8/1/2013 7:15:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.50	EPA-8260B	ND		1
1,2-Dibromoethane	ND	ug/L	0.50	EPA-8260B	ND		1
1,2-Dichloroethane	ND	ug/L	0.50	EPA-8260B	ND		1
Ethylbenzene	ND	ug/L	0.50	EPA-8260B	ND		1
Methyl t-butyl ether	ND	ug/L	0.50	EPA-8260B	ND		1
Toluene	ND	ug/L	0.50	EPA-8260B	ND		1
Total Xylenes	ND	ug/L	1.0	EPA-8260B	ND		1
t-Amyl Methyl ether	ND	ug/L	0.50	EPA-8260B	ND		1
t-Butyl alcohol	ND	ug/L	10	EPA-8260B	ND		1
Diisopropyl ether	ND	ug/L	0.50	EPA-8260B	ND		1
Ethanol	ND	ug/L	250	EPA-8260B	ND		1
Ethyl t-butyl ether	ND	ug/L	0.50	EPA-8260B	ND		1
Gasoline Range Organics (C4-C12)	ND	ug/L	50	Luft-GC/MS	ND		1
1,2-Dichloroethane-d4 (Surrogate)	95.8	%	75 - 125 (LCL - UCL)	EPA-8260B			1
Toluene-d8 (Surrogate)	98.1	%	80 - 120 (LCL - UCL)	EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	103	%	80 - 120 (LCL - UCL)	EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	08/02/13	08/02/13 12:50	EAR	MS-V12	1	BWH0139

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Reported: 08/13/2013 23:32
Project: 5760
Project Number: 351561
Project Manager: Sean Coyle

Gas Testing in Water

BCL Sample ID: 1316182-04 | **Client Sample Name:** 5760, U-6-W-130801, 8/1/2013 7:15:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Methane	ND	mg/L	0.0010	RSK-175M	ND		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	RSK-175M	08/06/13	08/06/13 13:58	EAR	GC-V1	1	BWH0346

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Reported: 08/13/2013 23:32
Project: 5760
Project Number: 351561
Project Manager: Sean Coyle

Water Analysis (General Chemistry)

BCL Sample ID: 1316182-04 | **Client Sample Name:** 5760, U-6-W-130801, 8/1/2013 7:15:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Total Alkalinity as CaCO3	**370**	**mg/L**	**4.1**	**EPA-310.1**	ND		1
Nitrate as NO3	**5.2**	**mg/L**	**0.44**	**EPA-300.0**	ND		2
Sulfate	**25**	**mg/L**	**1.0**	**EPA-300.0**	ND		2
Iron (II) Species	**140**	**ug/L**	**100**	**SM-3500-FeD**	ND		3
Total Sulfide	ND	mg/L	0.10	SM-4500SD	ND		4

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-310.1	08/02/13	08/03/13 01:21	RML	MET-1	1	BWH0300
2	EPA-300.0	08/02/13	08/03/13 02:14	LS1	IC1	1	BWH0208
3	SM-3500-FeD	08/02/13	08/02/13 10:40	TDC	KONE-1	1	BWH0183
4	SM-4500SD	08/07/13	08/07/13 14:30	DIW	SPEC05	1	BWH0570

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Reported: 08/13/2013 23:32
Project: 5760
Project Number: 351561
Project Manager: Sean Coyle

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1316182-05 | **Client Sample Name:** 5760, U-7-W-130801, 8/1/2013 6:30:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.50	EPA-8260B	ND		1
1,2-Dibromoethane	ND	ug/L	0.50	EPA-8260B	ND		1
1,2-Dichloroethane	ND	ug/L	0.50	EPA-8260B	ND		1
Ethylbenzene	ND	ug/L	0.50	EPA-8260B	ND		1
Methyl t-butyl ether	ND	ug/L	0.50	EPA-8260B	ND		1
Toluene	ND	ug/L	0.50	EPA-8260B	ND		1
Total Xylenes	ND	ug/L	1.0	EPA-8260B	ND		1
t-Amyl Methyl ether	ND	ug/L	0.50	EPA-8260B	ND		1
t-Butyl alcohol	ND	ug/L	10	EPA-8260B	ND		1
Diisopropyl ether	ND	ug/L	0.50	EPA-8260B	ND		1
Ethanol	ND	ug/L	250	EPA-8260B	ND		1
Ethyl t-butyl ether	ND	ug/L	0.50	EPA-8260B	ND		1
Gasoline Range Organics (C4-C12)	ND	ug/L	50	Luft-GC/MS	ND		1
1,2-Dichloroethane-d4 (Surrogate)	97.7	%	75 - 125 (LCL - UCL)	EPA-8260B			1
Toluene-d8 (Surrogate)	100	%	80 - 120 (LCL - UCL)	EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	101	%	80 - 120 (LCL - UCL)	EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	08/02/13	08/02/13 13:07	EAR	MS-V12	1	BWH0139

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Reported: 08/13/2013 23:32
Project: 5760
Project Number: 351561
Project Manager: Sean Coyle

Gas Testing in Water

BCL Sample ID: 1316182-05 | **Client Sample Name:** 5760, U-7-W-130801, 8/1/2013 6:30:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Methane	ND	mg/L	0.0010	RSK-175M	ND		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	RSK-175M	08/06/13	08/06/13 14:03	EAR	GC-V1	1	BWH0346

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Reported: 08/13/2013 23:32
Project: 5760
Project Number: 351561
Project Manager: Sean Coyle

Water Analysis (General Chemistry)

BCL Sample ID: 1316182-05 | **Client Sample Name:** 5760, U-7-W-130801, 8/1/2013 6:30:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Total Alkalinity as CaCO3	**250**	**mg/L**	**4.1**	**EPA-310.1**	ND		1
Nitrate as NO3	**45**	**mg/L**	**0.44**	**EPA-300.0**	ND		2
Sulfate	**29**	**mg/L**	**1.0**	**EPA-300.0**	ND		2
Iron (II) Species	ND	ug/L	100	SM-3500-FeD	ND		3
Total Sulfide	ND	mg/L	0.10	SM-4500SD	ND		4

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-310.1	08/02/13	08/03/13 01:27	RML	MET-1	1	BWH0300
2	EPA-300.0	08/02/13	08/03/13 02:31	LS1	IC1	1	BWH0208
3	SM-3500-FeD	08/02/13	08/02/13 10:40	TDC	KONE-1	1	BWH0183
4	SM-4500SD	08/07/13	08/07/13 14:30	DIW	SPEC05	1	BWH0570

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Reported: 08/13/2013 23:32
Project: 5760
Project Number: 351561
Project Manager: Sean Coyle

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1316182-06 | **Client Sample Name:** 5760, U-8-W-130801, 8/1/2013 8:00:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.50	EPA-8260B	ND		1
1,2-Dibromoethane	ND	ug/L	0.50	EPA-8260B	ND		1
1,2-Dichloroethane	ND	ug/L	0.50	EPA-8260B	ND		1
Ethylbenzene	ND	ug/L	0.50	EPA-8260B	ND		1
Methyl t-butyl ether	ND	ug/L	0.50	EPA-8260B	ND		1
Toluene	ND	ug/L	0.50	EPA-8260B	ND		1
Total Xylenes	ND	ug/L	1.0	EPA-8260B	ND		1
t-Amyl Methyl ether	ND	ug/L	0.50	EPA-8260B	ND		1
t-Butyl alcohol	ND	ug/L	10	EPA-8260B	ND		1
Diisopropyl ether	ND	ug/L	0.50	EPA-8260B	ND		1
Ethanol	ND	ug/L	250	EPA-8260B	ND		1
Ethyl t-butyl ether	ND	ug/L	0.50	EPA-8260B	ND		1
Gasoline Range Organics (C4-C12)	ND	ug/L	50	Luft-GC/MS	ND		1
1,2-Dichloroethane-d4 (Surrogate)	98.5	%	75 - 125 (LCL - UCL)	EPA-8260B			1
Toluene-d8 (Surrogate)	97.7	%	80 - 120 (LCL - UCL)	EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	99.1	%	80 - 120 (LCL - UCL)	EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	08/02/13	08/02/13 13:25	EAR	MS-V12	1	BWH0139

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Project: 5760
Project Number: 351561
Project Manager: Sean Coyle

Gas Testing in Water

BCL Sample ID: 1316182-06 | **Client Sample Name:** 5760, U-8-W-130801, 8/1/2013 8:00:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Methane	ND	mg/L	0.0010	RSK-175M	ND		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	RSK-175M	08/06/13	08/06/13 14:10	EAR	GC-V1	1	BWH0346

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Water Analysis (General Chemistry)

BCL Sample ID: 1316182-06 | **Client Sample Name:** 5760, U-8-W-130801, 8/1/2013 8:00:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Total Alkalinity as CaCO3	**250**	**mg/L**	**4.1**	**EPA-310.1**	ND		1
Nitrate as NO3	**48**	**mg/L**	**0.44**	**EPA-300.0**	ND		2
Sulfate	**32**	**mg/L**	**1.0**	**EPA-300.0**	ND		2
Iron (II) Species	ND	ug/L	100	SM-3500-FeD	ND		3
Total Sulfide	ND	mg/L	0.10	SM-4500SD	ND		4

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-310.1	08/02/13	08/03/13 01:33	RML	MET-1	1	BWH0300
2	EPA-300.0	08/02/13	08/03/13 02:48	LS1	IC1	1	BWH0208
3	SM-3500-FeD	08/02/13	08/02/13 10:40	TDC	KONE-1	1	BWH0183
4	SM-4500SD	08/07/13	08/07/13 14:30	DIW	SPEC05	1	BWH0570

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Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BWH0139						
Benzene	BWH0139-BLK1	ND	ug/L	0.50		
1,2-Dibromoethane	BWH0139-BLK1	ND	ug/L	0.50		
1,2-Dichloroethane	BWH0139-BLK1	ND	ug/L	0.50		
Ethylbenzene	BWH0139-BLK1	ND	ug/L	0.50		
Methyl t-butyl ether	BWH0139-BLK1	ND	ug/L	0.50		
Toluene	BWH0139-BLK1	ND	ug/L	0.50		
Total Xylenes	BWH0139-BLK1	ND	ug/L	1.0		
t-Amyl Methyl ether	BWH0139-BLK1	ND	ug/L	0.50		
t-Butyl alcohol	BWH0139-BLK1	ND	ug/L	10		
Diisopropyl ether	BWH0139-BLK1	ND	ug/L	0.50		
Ethanol	BWH0139-BLK1	ND	ug/L	250		
Ethyl t-butyl ether	BWH0139-BLK1	ND	ug/L	0.50		
Gasoline Range Organics (C4-C12)	BWH0139-BLK1	ND	ug/L	50		
1,2-Dichloroethane-d4 (Surrogate)	BWH0139-BLK1	100	%	75 - 125 (LCL - UCL)		
Toluene-d8 (Surrogate)	BWH0139-BLK1	100	%	80 - 120 (LCL - UCL)		
4-Bromofluorobenzene (Surrogate)	BWH0139-BLK1	101	%	80 - 120 (LCL - UCL)		

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Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
QC Batch ID: BWH0139										
Benzene	BWH0139-BS1	LCS	28.460	25.000	ug/L	114		70 - 130		
Toluene	BWH0139-BS1	LCS	27.290	25.000	ug/L	109		70 - 130		
1,2-Dichloroethane-d4 (Surrogate)	BWH0139-BS1	LCS	9.5000	10.000	ug/L	95.0		75 - 125		
Toluene-d8 (Surrogate)	BWH0139-BS1	LCS	10.020	10.000	ug/L	100		80 - 120		
4-Bromofluorobenzene (Surrogate)	BWH0139-BS1	LCS	10.310	10.000	ug/L	103		80 - 120		

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Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: BWH0139	Used client sample: N										
Benzene	MS	1316245-01	ND	27.470	25.000	ug/L		110		70 - 130	
	MSD	1316245-01	ND	28.440	25.000	ug/L	3.5	114	20	70 - 130	
Toluene	MS	1316245-01	ND	26.380	25.000	ug/L		106		70 - 130	
	MSD	1316245-01	ND	27.020	25.000	ug/L	2.4	108	20	70 - 130	
1,2-Dichloroethane-d4 (Surrogate)	MS	1316245-01	ND	9.6400	10.000	ug/L		96.4		75 - 125	
	MSD	1316245-01	ND	9.3200	10.000	ug/L	3.4	93.2		75 - 125	
Toluene-d8 (Surrogate)	MS	1316245-01	ND	9.7900	10.000	ug/L		97.9		80 - 120	
	MSD	1316245-01	ND	9.8900	10.000	ug/L	1.0	98.9		80 - 120	
4-Bromofluorobenzene (Surrogate)	MS	1316245-01	ND	10.260	10.000	ug/L		103		80 - 120	
	MSD	1316245-01	ND	10.370	10.000	ug/L	1.1	104		80 - 120	

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Gas Testing in Water

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BWH0346						
Methane	BWH0346-BLK1	ND	mg/L	0.0010		

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Gas Testing in Water

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
QC Batch ID: BWH0346										
Methane	BWH0346-BS1	LCS	0.011152	0.010843	mg/L	103		80 - 120		
	BWH0346-BSD1	LCSD	0.010660	0.010843	mg/L	98.3	4.5	80 - 120	20	

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Water Analysis (General Chemistry)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BWH0183						
Iron (II) Species	BWH0183-BLK1	ND	ug/L	100		
QC Batch ID: BWH0208						
Nitrate as NO3	BWH0208-BLK1	ND	mg/L	0.44		
Sulfate	BWH0208-BLK1	ND	mg/L	1.0		
QC Batch ID: BWH0300						
Total Alkalinity as CaCO3	BWH0300-BLK1	ND	mg/L	4.1		
QC Batch ID: BWH0570						
Total Sulfide	BWH0570-BLK1	ND	mg/L	0.10		

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Water Analysis (General Chemistry)

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
QC Batch ID: BWH0183										
Iron (II) Species	BWH0183-BS1	LCS	2469.0	2500.0	ug/L	98.8		90 - 110		
QC Batch ID: BWH0208										
Nitrate as NO3	BWH0208-BS1	LCS	22.864	22.134	mg/L	103		90 - 110		
Sulfate	BWH0208-BS1	LCS	102.35	100.00	mg/L	102		90 - 110		
QC Batch ID: BWH0300										
Total Alkalinity as CaCO3	BWH0300-BS3	LCS	96.760	100.00	mg/L	96.8		90 - 110		
QC Batch ID: BWH0570										
Total Sulfide	BWH0570-BS1	LCS	0.51007	0.50000	mg/L	102		90 - 110		

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Reported: 08/13/2013 23:32
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Water Analysis (General Chemistry)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: BWH0183	Used client sample: Y - Description: U-1R-W-130801, 08/01/2013 09:55										
Iron (II) Species	DUP	1316182-02	6609.8	6602.0		ug/L	0.1		10		
QC Batch ID: BWH0208	Used client sample: N										
Nitrate as NO3	DUP	1316235-03	7.4636	7.4592		mg/L	0.1		10		
	MS	1316235-03	7.4636	30.062	22.358	mg/L		101		80 - 120	
	MSD	1316235-03	7.4636	30.411	22.358	mg/L	1.2	103	10	80 - 120	
Sulfate	DUP	1316235-03	41.336	41.405		mg/L	0.2		10		
	MS	1316235-03	41.336	148.43	101.01	mg/L		106		80 - 120	
	MSD	1316235-03	41.336	148.26	101.01	mg/L	0.1	106	10	80 - 120	
QC Batch ID: BWH0300	Used client sample: N										
Total Alkalinity as CaCO3	DUP	1316175-04	219.38	219.83		mg/L	0.2		10		
QC Batch ID: BWH0570	Used client sample: Y - Description: U-1R-W-130801, 08/01/2013 09:55										
Total Sulfide	DUP	1316182-02	ND	ND		mg/L			10		
	MS	1316182-02	ND	0.48402	0.50000	mg/L		96.8		80 - 120	
	MSD	1316182-02	ND	0.48402	0.50000	mg/L	0	96.8	10	80 - 120	

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Notes And Definitions

MDL	Method Detection Limit
ND	Analyte Not Detected at or above the reporting limit
PQL	Practical Quantitation Limit
RPD	Relative Percent Difference
A01	PQL's and MDL's are raised due to sample dilution.

ATTACHMENT C
Hydrographs

U-1R TPH-GRO, Benzene & MtBE Concentrations and Groundwater Elevations vs. Time

376 Lewelling Boulevard
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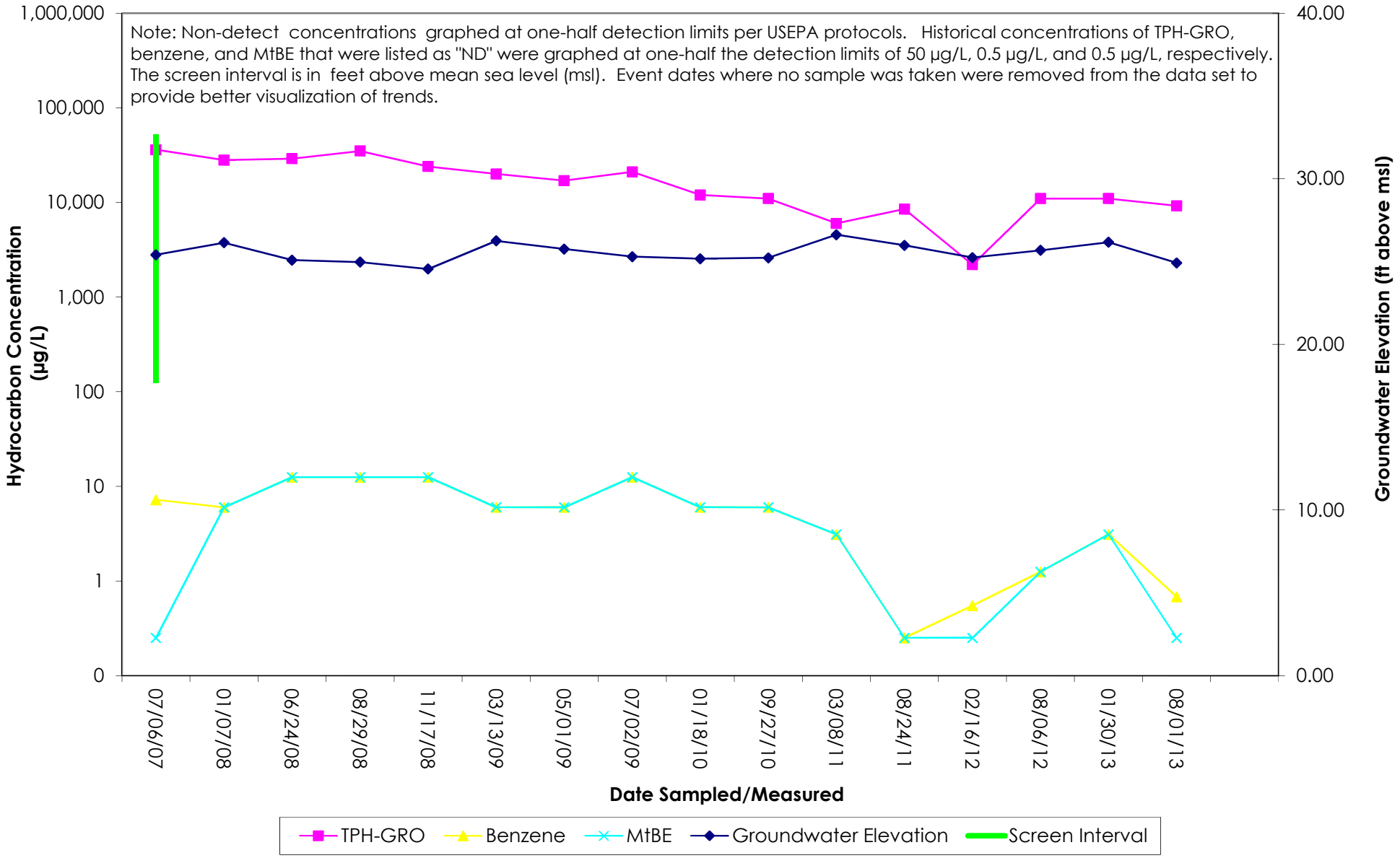
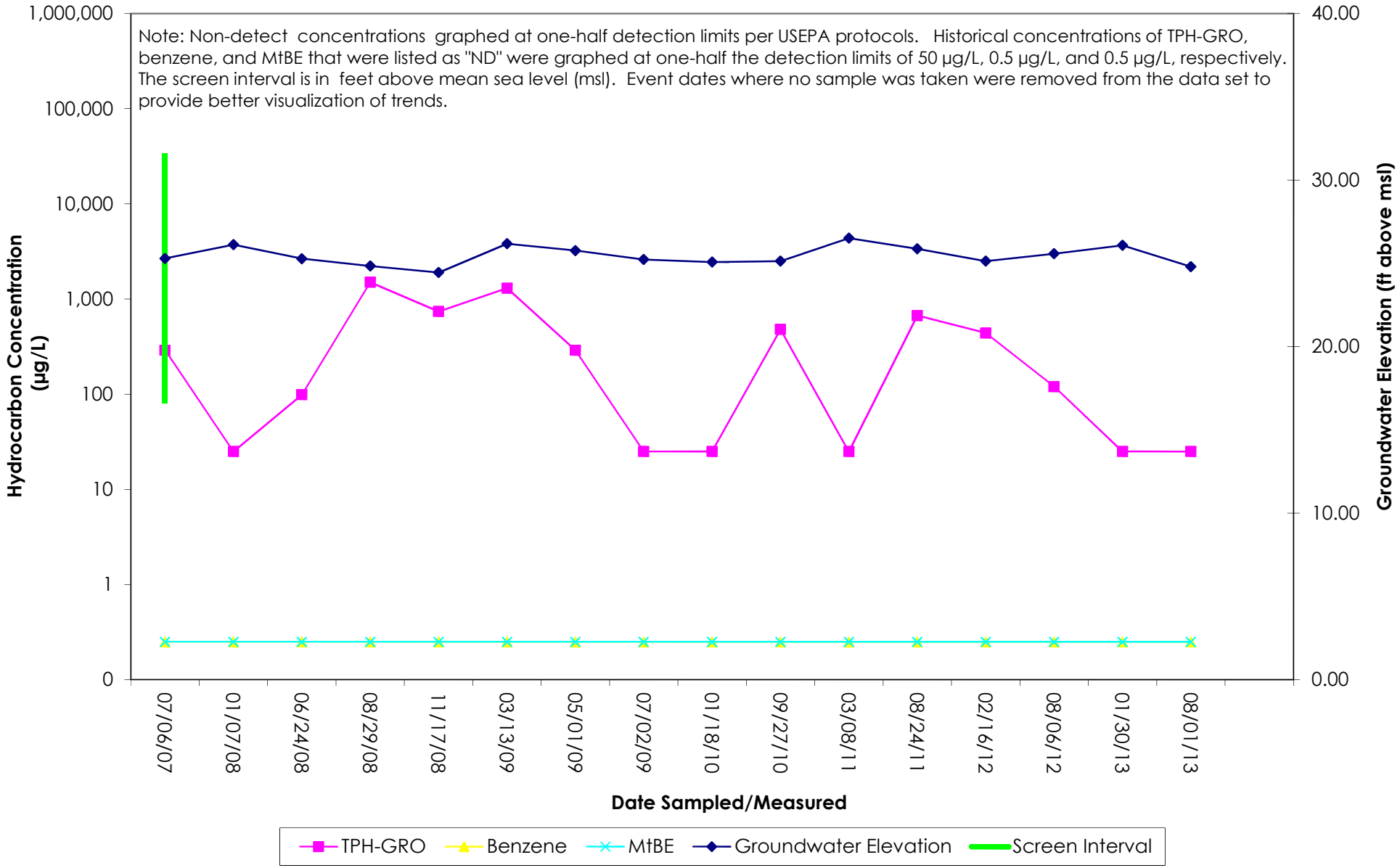


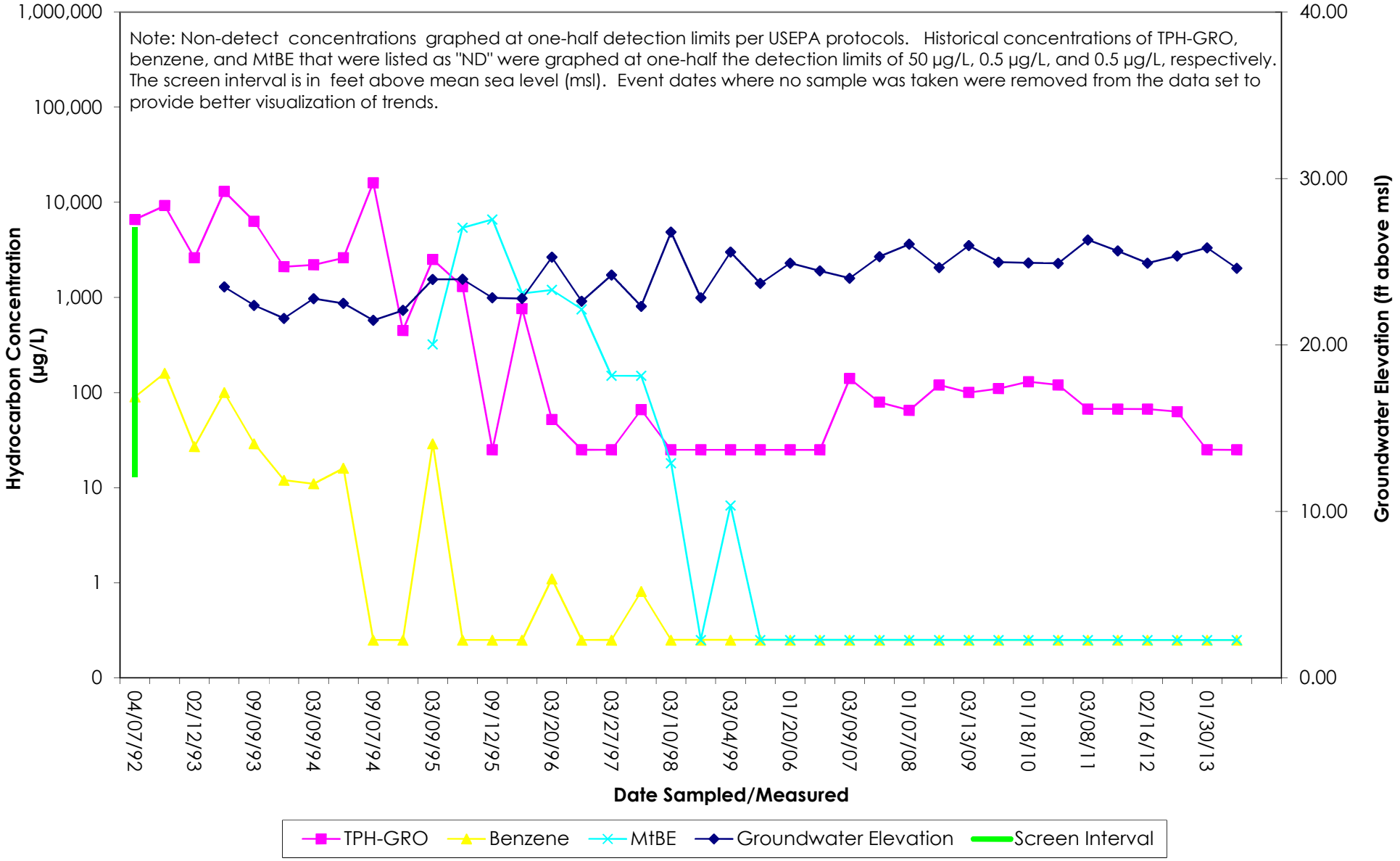
U-3R TPH-GRO, Benzene & MtBE Concentrations and Groundwater Elevations vs. Time

376 Lewelling Boulevard
San Lorenzo, California



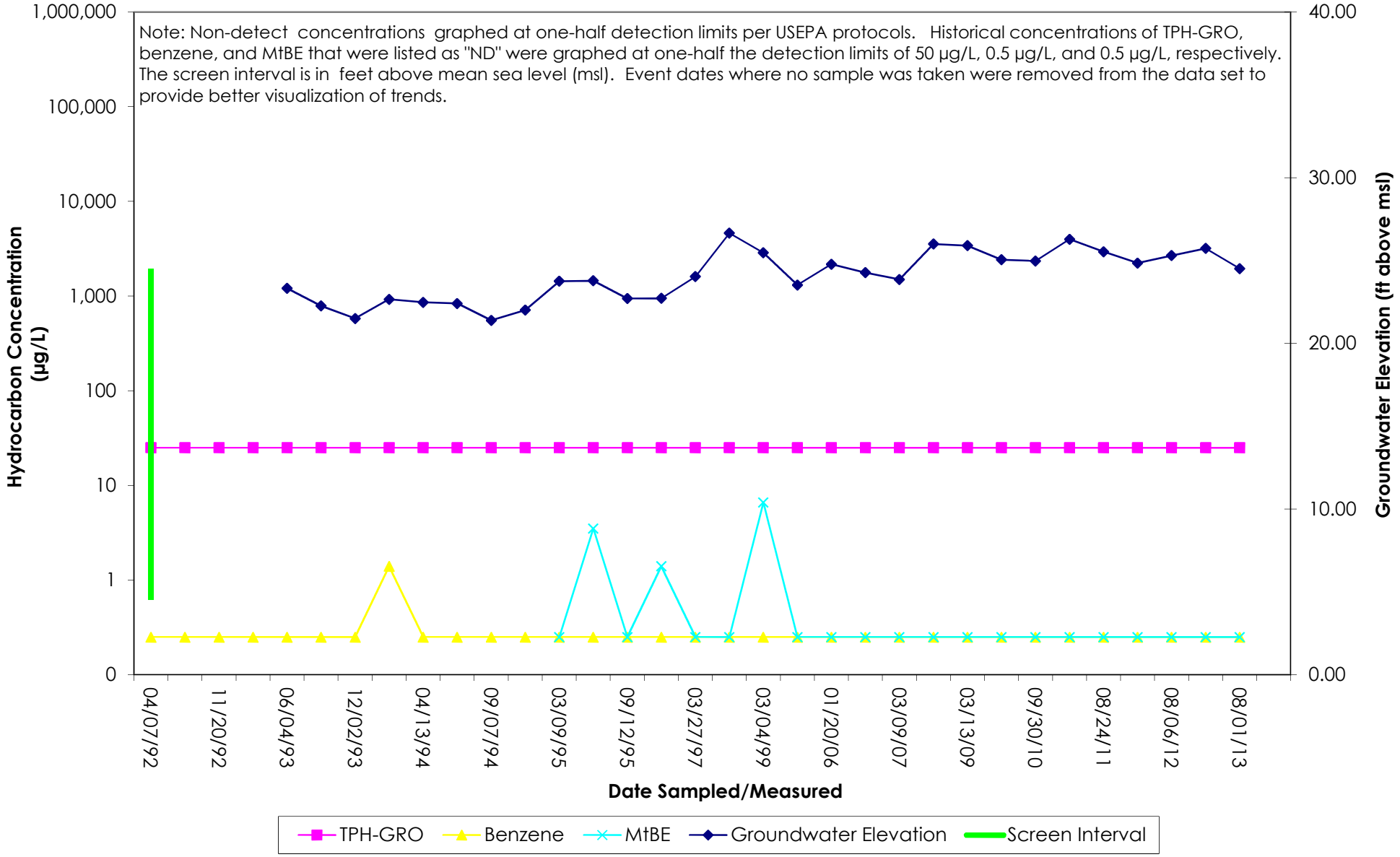
U-6 TPH-GRO, Benzene & MtBE Concentrations and Groundwater Elevations vs. Time

376 Lewelling Boulevard
San Lorenzo, California



U-7 TPH-GRO, Benzene & MtBE Concentrations and Groundwater Elevations vs. Time

376 Lewelling Boulevard
San Lorenzo, California



U-8 TPH-GRO, Benzene & MtBE Concentrations and Groundwater Elevations vs. Time

376 Lewelling Boulevard
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