Third Quarter 2014 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 29, 2014

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Project Manager
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October 29, 2014

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 2014 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,

Nicole Arceneaux
Project Manager

October 29, 2014

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

Reference: **Third Quarter 2014 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's (Chevron's) affiliate, Union Oil Company of California ("Union Oil"), Stantec Consulting Services Inc. (Stantec) is pleased to submit the *Third Quarter 2014 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 2014 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 2014 GROUNDWATER MONITORING AND SAMPLING PROGRAM

Gettler-Ryan Inc. (G-R) performed the Third Quarter 2014 groundwater monitoring and sampling event on August 21, 2014. G-R's standard operating procedures (SOPs) and field data sheets are included in **Attachment A**. G-R gauged depth-to-groundwater in eight Site wells (U-1R, U-3R, and U-4 through U-9) prior to collecting groundwater samples for laboratory analysis. Well U-2 was not gauged this quarter because it was inaccessible due to a car parked over the well. Five Site wells (U-1R, U-3R, U-6, U-7, and U-8) were sampled this quarter. Well U-2 is an up-gradient control point for the current USTs, and well U-4 is in direct alignment with well U-5, which is utilized as a down-gradient control point for the current dispenser islands; therefore, wells U-2 and U-4 are used for depth-to-groundwater monitoring only. 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 2014 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 a screen interval assessment for each Site well are presented in **Table 1**. Site wells U-1R, U-3R, and U-4 through U-9 are currently screened across the prevailing groundwater table. Current and historical groundwater elevation data are presented in **Table 2**. A groundwater elevation contour map (based on Third Quarter 2014 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 0.018 feet per foot (ft/ft). This is consistent with the historical direction of groundwater flow, as shown by the groundwater flow direction 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 at each well sampled this quarter.

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 because 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 concentrations in other Site wells sampled this quarter were below laboratory reporting limits (LRLs). In addition, an isoconcentration map was not developed for MtBE because concentrations were reported 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 2014 groundwater analytical results follows:

- **TPH-GRO** was detected in two Site wells this quarter, at concentrations of 53 µg/L (well U-6) and 8,800 µg/L (well U-1R), which are within historical limits for each respective well.

- **Benzene** was detected in one Site well this quarter, at a concentration of 0.76 µg/L (well U-1R), which is within historical limits for this well.

- **Toluene** was detected in one Site well this quarter, at a concentration of 1.8 µg/L (well U-1R), which is within historical limits for this well.

- **Ethylbenzene** was detected in one Site well this quarter, at a concentration of 570 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 4.0 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 2014, DO levels (post-purge) in the sampled wells ranged between 1.0 milligrams per liter (mg/L; well U-8) and 1.6 mg/L (wells U-1R and U-7), which are generally indicative of an anaerobic environment.

ORP levels (post-purge) ranged between 55 millivolts (mV; well U-8) and 127 mV (well U-3R), which is indicative of oxidizing conditions.

Concentrations of NO_3^- ranged from 1.4 mg/L (well U-6) to 46 mg/L (well U-7). Concentrations of SO_4^{2-} ranged from 7.9 mg/L (well U-1R) to 37 mg/L (well U-3R). Lower NO_3^- and SO_4^{2-} concentrations were generally 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-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 LRLs of 0.10 mg/L and 2.0 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 140 µg/L (well U-8) to 91,000 µg/L (well U-1R). Concentrations of CH_4 ranged from below the LRL of 0.0010 mg/L (wells U-7 and U-8) to 2.2 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 270 mg/L as calcium carbonate ($CaCO_3$; well U-8) to 440 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 2014, the only constituents detected above LRLs were TPH-GRO and BTEX compounds, 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.

MNA parameters were collected during the Third Quarter 2014 groundwater monitoring and sampling event. The review of common electron acceptors shows that Site conditions are generally 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; therefore, Stantec recommended this Site be considered for closure under the Low-Threat UST Case Closure Policy (LTCP), and a *Low-Threat Closure Request* was submitted to Alameda County Environmental Health (ACEH) on April 16, 2013, for review and closure consideration.

An ACEH 60-day public comment period notification letter dated October 21, 2014 was distributed to the property owner of the Site and to the current occupants and landowners of adjacent properties. Following the expiration of the public comment period on December 20, 2014, a final determination regarding the proposed case closure will be made.

Due to the amount of historical groundwater analytical data collected to date over the case history of the Site and since the case is tracking towards closure, Stantec requests to suspend future groundwater monitoring and sampling events at the Site until a final case closure determination can be issued by the ACEH.

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 2014
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 2014
Figure 3 – Groundwater Flow Direction Rose Diagram – Third Quarter 2014
Figure 4 – Site Plan Showing Groundwater Concentrations – Third Quarter 2014
Figure 5 – TPH-GRO Isoconcentration Map – Third Quarter 2014

Attachment A – Gettler-Ryan Inc. Field Data Sheets and Standard Operating Procedures – Third Quarter 2014
Attachment B – Certified Laboratory Analysis Reports and Chain-of-Custody Documents
Attachment C – Hydrographs

cc:
Ms. Nicole Arceneaux, Chevron Environmental Management Company, 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

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Prepared by Erin O'Malley
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Dan Schreiner, P.G.
Senior Geologist

TABLES

Table 1
Well Details / Screen Interval Assessment
Third Quarter 2014
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	07/07	Monitoring	2	42.65	25.00	24.60	18.25	10-25	Depth-to-groundwater within screen interval.
U-2	08/90	Monitoring	3	43.65	30.00	--[2]	--[2]	15-30	Insufficient data to assess.
U-3R	07/07	Monitoring	2	41.58	25.00	24.65	17.40	10-25	Depth-to-groundwater within screen interval.
U-4	08/90	Monitoring	3	42.69	28.00	27.86	18.14	15-28	Depth-to-groundwater within screen interval.
U-5	03/92	Monitoring	2	41.74	30.00	28.50	16.55	15-30	Depth-to-groundwater within screen interval.
U-6	03/92	Monitoring	2	40.07	28.00	28.29	16.01	13-28	Depth-to-groundwater within screen interval.
U-7	03/92	Monitoring	2	39.50	35.00	34.88	15.48	15-35	Depth-to-groundwater within screen interval.
U-8	03/92	Monitoring	2	40.95	30.00	29.54	16.68	15-30	Depth-to-groundwater within screen interval.
U-9	05/93	Monitoring	2	39.72	28.00	28.16	15.84	13-28	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 21, 2014.
[2] = Not measured. Well inaccessible due to car parked over the well.

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														
07/06/07	42.65	17.24	0	25.41	--	--	36000	7.2	8.3	2200	10000	--	ND<0.50	Gauged and sampled on 08/10/07
01/07/08	42.65	16.51	0	26.14	0.73	--	28000	ND<12	ND<12	1900	7300	--	ND<12	
06/24/08	42.65	17.56	0	25.09	-1.05	--	29000	ND<25	ND<25	2400	7900	--	ND<25	
08/29/08	42.65	17.68	0	24.97	-0.12	--	35000	ND<25	ND<25	3000	8900	--	ND<25	
11/17/08	42.65	18.10	0	24.55	-0.42	--	24000	ND<25	ND<25	2200	6300	--	ND<25	
03/13/09	42.65	16.40	0	26.25	1.70	--	20000	ND<12	ND<12	1800	4400	--	ND<12	
05/01/09	42.65	16.89	0	25.76	-0.49	--	17000	ND<12	ND<12	1600	3400	--	ND<12	
07/02/09	42.65	17.35	0	25.30	-0.46	--	21000	ND<25	ND<25	1800	3500	--	ND<25	
01/18/10	42.65	17.48	0	25.17	-0.13	--	12000	ND<12	ND<12	1200	1200	--	ND<12	
09/27/10	42.65	17.42	0	25.23	0.06	--	11000	ND<12	ND<12	1200	970	--	ND<12	
03/08/11	42.65	16.03	0	26.62	1.39	--	6000	ND<6.2	ND<6.2	750	270	--	ND<6.2	
08/24/11	42.65	16.67	0	25.98	-0.64	--	8500[1]	ND<0.50	ND<0.50	990[1]	280[1]	--	ND<0.50	
02/16/12	42.65	17.41	0	25.24	-0.74	--	2200[1]	0.55	ND<0.50	240[1]	140	--	ND<0.50	
08/06/12	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]	
01/30/13	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]	
08/01/13	42.65	17.73	0	24.92	-1.25	--	9200[1]	0.68	ND<0.50	680[1]	5.9	--	ND<0.50	
02/05/14	42.65	18.43	0	24.22	-0.70	--	11000[1]	0.67	ND<0.50	850[1]	6.5	--	ND<0.50	
08/21/14	**42.65**	**18.25**	**0**	**24.40**	**0.18**	**--**	**8800[1]**	**0.76**	**1.8**	**570[1]**	**4.0**	**--**	**ND<0.50**	
U-2														
08/23/90	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
12/05/90	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
03/04/91	--	--	--	--	--	ND	--	ND	0.9	ND	2.6	--	--	
06/03/91	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
09/19/91	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
12/04/91	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
03/05/92	--	--	--	--	--	ND	--	ND	0.36	ND	ND	--	--	
04/07/92	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
08/06/92	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
11/20/92	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
02/12/93	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
06/04/93	41.62	17.59	0	24.03	--	ND	--	ND	ND	ND	ND	--	--	
09/09/93	41.62	18.68	0	22.94	-1.09	ND	--	ND	ND	ND	ND	--	--	
12/02/93	41.26	19.23	0	22.03	-0.91	ND	--	ND	ND	ND	ND	--	--	
03/09/94	41.26	18.05	0	23.21	1.18	62	--	1.1	5.4	1.1	9.7	--	--	
04/13/94	41.26	18.18	0	23.08	-0.13	ND	--	ND	ND	ND	ND	--	--	
06/09/94	41.26	18.26	0	23.00	-0.08	ND	--	ND	ND	ND	ND	--	--	
09/07/94	41.26	19.28	0	21.98	-1.02	ND	--	ND	0.63	ND	0.61	--	--	

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														
12/05/94	41.26	18.82	0	22.44	0.46	ND	--	ND	ND	ND	ND	--	--	
03/09/95	41.26	16.96	0	24.30	1.86	ND	--	ND	ND	ND	ND	ND	--	
06/13/95	41.26	16.71	0	24.55	0.25	ND	--	ND	ND	ND	ND	ND	--	
09/12/95	41.26	17.80	0	23.46	-1.09	ND	--	ND	ND	ND	ND	ND	--	
12/14/95	41.26	18.18	0	23.08	-0.38	ND	--	ND	ND	ND	ND	ND	--	
03/20/96	41.26	15.02	0	26.24	3.16	--	--	--	--	--	--	--	--	
09/24/96	41.26	17.90	0	23.36	-2.88	--	--	--	--	--	--	--	--	
03/27/97	41.26	16.45	0	24.81	1.45	ND	--	ND	ND	ND	ND	ND	--	
09/23/97	41.26	18.40	0	22.86	-1.95	--	--	--	--	--	--	--	--	
03/10/98	41.26	13.79	0	27.47	4.61	ND	--	ND	ND	ND	ND	ND	--	
09/04/98	41.26	17.98	0	23.28	-4.19	--	--	--	--	--	--	--	--	
03/04/99	41.26	14.96	0	26.30	3.02	ND	--	ND	ND	ND	ND	ND	--	
09/13/99	41.26	18.25	0	23.01	-3.29	--	--	--	--	--	--	--	--	
03/21/00	41.26	15.54	0	25.72	2.71	ND	--	ND	ND	ND	ND	ND	--	
09/18/00	41.26	17.55	0	23.71	-2.01	--	--	--	--	--	--	--	--	
03/16/01	41.26	17.06	0	24.20	0.49	--	--	--	--	--	--	--	--	
09/04/01	41.26	18.39	0	22.87	-1.33	--	--	--	--	--	--	--	--	
03/18/02	41.26	16.87	--	24.39	1.52	--	--	--	--	--	--	--	--	
09/17/02	41.26	18.33	0	22.93	-1.46	--	--	--	--	--	--	--	--	
03/28/03	41.26	16.95	0	24.31	1.38	--	--	--	--	--	--	--	--	
09/05/03	41.26	18.00	0	23.26	-1.05	--	--	--	--	--	--	--	--	Monitored Only
03/04/04	41.26	16.17	0	25.09	1.83	--	--	--	--	--	--	--	--	Monitored Only
09/09/04	41.26	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible; car parked over well
03/01/05	41.26	--	--	--	--	--	--	--	--	--	--	--	--	Car parked on well
08/02/05	41.26	16.62	0	24.64	--	--	--	--	--	--	--	--	--	Monitored only
01/20/06	41.26	16.24	0	25.02	0.38	--	--	--	--	--	--	--	--	Monitored only
07/11/06	41.26	16.15	0	25.11	0.09	--	--	--	--	--	--	--	--	Monitored Only
03/09/07	41.26	16.71	0	24.55	-0.56	--	--	--	--	--	--	--	--	Monitored Only
07/06/07	43.65	17.80	0	25.85	1.30	--	--	--	--	--	--	--	--	Monitored Only
01/07/08	43.65	17.73	0	25.92	0.07	--	--	--	--	--	--	--	--	Monitored Only
06/24/08	43.65	18.00	0	25.65	-0.27	--	--	--	--	--	--	--	--	Monitored Only
08/29/08	43.65	17.93	0	25.72	0.07	--	--	--	--	--	--	--	--	Monitored only
11/17/08	43.65	18.85	0	24.80	-0.92	--	--	--	--	--	--	--	--	Monitored only
03/13/09	43.65	17.20	0	26.45	1.65	--	--	--	--	--	--	--	--	Monitored only
05/01/09	43.65	17.57	0	26.08	-0.37	--	--	--	--	--	--	--	--	Monitored only
07/02/09	43.65	18.08	0	25.57	-0.51	--	--	--	--	--	--	--	--	Monitored only
01/18/10	43.65	18.24	0	25.41	-0.16	--	--	--	--	--	--	--	--	Gauged only
09/27/10	43.65	18.20	0	25.45	0.04	--	--	--	--	--	--	--	--	Gauge only
03/08/11	43.65	16.92	0	26.73	1.28	--	--	--	--	--	--	--	--	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														
08/24/11	43.65	17.04	0	26.61	-0.12	--	--	--	--	--	--	--	--	Gauge only
02/16/12	43.65	18.20	0	25.45	-1.16	--	--	--	--	--	--	--	--	Gauge only
08/06/12	43.65	17.86	0	25.79	0.34	--	--	--	--	--	--	--	--	Gauge only
01/30/13	43.65	17.23	0	26.42	0.63	--	--	--	--	--	--	--	--	Gauge only
08/01/13	43.65	18.51	0	25.14	-1.28	--	--	--	--	--	--	--	--	Gauge only
02/05/14	43.65	19.25	0	24.40	-0.74	--	--	--	--	--	--	--	--	Gauge only
08/21/14	**43.65**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**Inaccessible; car parked over well**
U-3R														
07/06/07	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 08/10/07
01/07/08	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	
06/24/08	41.58	16.30	0	25.28	-0.84	--	99	ND<0.50	ND<0.50	11	2.5	--	ND<0.50	
08/29/08	41.58	16.74	0	24.84	-0.44	--	1500	ND<0.50	ND<0.50	100	51	--	ND<0.50	
11/17/08	41.58	17.13	0	24.45	-0.39	--	740	ND<0.50	ND<0.50	67	17	--	ND<0.50	
03/13/09	41.58	15.40	0	26.18	1.73	--	1300	ND<0.50	ND<0.50	100	22	--	ND<0.50	
05/01/09	41.58	15.81	0	25.77	-0.41	--	290	ND<0.50	ND<0.50	26	2.6	--	ND<0.50	
07/02/09	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	
01/18/10	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	
09/27/10	41.58	16.45	0	25.13	0.05	--	480	ND<0.50	ND<0.50	33	ND<1.0	--	ND<0.50	
03/08/11	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	
08/24/11	41.58	15.71	0	25.87	-0.64	--	670	ND<0.50	ND<0.50	28	ND<1.0	--	ND<0.50	
02/16/12	41.58	16.45	0	25.13	-0.74	--	440	ND<0.50	ND<0.50	18	ND<1.0	--	ND<0.50	
08/06/12	41.58	16.00	0	25.58	0.45	--	120	ND<0.50	ND<0.50	3.6	ND<1.0	--	ND<0.50	
01/30/13	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	
08/01/13	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	
02/05/14	41.58	17.48	0	24.10	-0.70	--	160	ND<0.50	ND<0.50	2.6	ND<1.0	--	ND<0.50	
08/21/14	**41.58**	**17.40**	**0**	**24.18**	**0.08**	**--**	**ND<50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<1.0**	**--**	**ND<0.50**	
U-4														
08/23/90	--	--	--	--	--	ND	--	ND	1.0	ND	1.8	--	--	
12/05/90	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
01/18/91	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
03/04/91	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
06/03/91	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
09/19/91	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
12/04/91	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
03/05/92	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
04/07/92	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
08/06/92	--	--	--	--	--	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-4 continued														
11/20/92	--	--	--	--	--	ND	--	ND	2.5	ND	ND	--	--	
02/12/93	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
06/04/93	40.53	16.73	0	23.80	--	ND	--	ND	ND	ND	ND	--	--	
09/09/93	40.53	16.89	0	23.64	-0.16	ND	--	ND	ND	ND	ND	--	--	
12/02/93	40.25	18.46	0	21.79	-1.85	ND	--	ND	ND	ND	2.6	--	--	
03/09/94	40.25	17.30	0	22.95	1.16	ND	--	1.4	4.7	1.1	8.1	--	--	
04/13/94	40.25	17.44	0	22.81	-0.14	ND	--	ND	ND	ND	ND	--	--	
06/09/94	40.25	17.53	0	22.72	-0.09	ND	--	ND	ND	ND	ND	--	--	
09/07/94	40.28	18.52	0	21.76	-0.96	ND	--	ND	1.1	ND	1.0	--	--	
12/05/94	40.28	18.08	0	22.20	0.44	ND	--	ND	ND	ND	ND	--	--	
03/09/95	40.28	16.16	0	24.12	1.92	ND	--	ND	ND	ND	ND	ND	--	
06/13/95	40.25	15.95	0	24.30	0.18	ND	--	ND	ND	ND	ND	2.7	--	
09/12/95	40.25	17.10	0	23.15	-1.15	ND	--	ND	ND	ND	ND	ND	--	
12/14/95	40.25	17.43	0	22.82	-0.33	ND	--	ND	ND	ND	ND	1.3	--	
03/20/96	40.25	14.93	0	25.32	2.50	--	--	--	--	--	--	--	--	
09/24/96	40.25	17.19	0	23.06	-2.26	--	--	--	--	--	--	--	--	
03/27/97	40.25	15.66	0	24.59	1.53	ND	--	ND	ND	ND	ND	ND	--	
09/23/97	40.25	17.69	0	22.56	-2.03	--	--	--	--	--	--	--	--	
03/10/98	40.25	12.99	0	27.26	4.70	ND	--	ND	ND	ND	ND	ND	--	
09/04/98	40.25	17.28	0	22.97	-4.29	--	--	--	--	--	--	--	--	
03/04/99	40.25	14.17	0	26.08	3.11	ND	--	ND	ND	ND	ND	ND	--	
09/13/99	40.25	17.55	0	22.70	-3.38	--	--	--	--	--	--	--	--	
03/21/00	40.25	14.74	0	25.51	2.81	ND	--	ND	ND	ND	ND	ND	--	
09/18/00	40.25	16.88	0	23.37	-2.14	--	--	--	--	--	--	--	--	
03/16/01	40.25	16.32	0	23.93	0.56	--	--	--	--	--	--	--	--	
09/04/01	40.25	17.70	0	22.55	-1.38	--	--	--	--	--	--	--	--	
03/18/02	40.25	16.08	--	24.17	1.62	--	--	--	--	--	--	--	--	
09/17/02	40.25	16.56	0	23.69	-0.48	--	--	--	--	--	--	--	--	
03/28/03	40.25	16.15	0	24.10	0.41	--	--	--	--	--	--	--	--	
09/05/03	40.25	17.20	0	23.05	-1.05	--	--	--	--	--	--	--	--	Monitored Only
03/04/04	40.25	15.39	0	24.86	1.81	--	--	--	--	--	--	--	--	Monitored Only
09/09/04	40.25	16.98	0	23.27	-1.59	--	--	--	--	--	--	--	--	Monitored Only
03/01/05	40.25	14.97	0	25.28	2.01	--	--	--	--	--	--	--	--	Monitor Only
08/02/05	40.25	15.82	0	24.43	-0.85	--	--	--	--	--	--	--	--	Monitored Only
01/20/06	40.25	15.04	0	25.21	0.78	--	--	--	--	--	--	--	--	Monitored only
07/11/06	40.25	15.38	0	24.87	-0.34	--	--	--	--	--	--	--	--	Monitored Only
03/09/07	40.25	16.00	0	24.25	-0.62	--	--	--	--	--	--	--	--	Monitored Only
07/06/07	42.69	17.15	0	25.54	1.29	--	--	--	--	--	--	--	--	Monitored Only
01/07/08	42.69	16.65	0	26.04	0.50	--	--	--	--	--	--	--	--	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														
06/24/08	42.69	17.40	0	25.29	-0.75	--	--	--	--	--	--	--	--	Monitored Only
08/29/08	42.69	17.62	0	25.07	-0.22	--	--	--	--	--	--	--	--	Monitored only
11/17/08	42.69	18.20	0	24.49	-0.58	--	--	--	--	--	--	--	--	Monitored only
03/13/09	42.69	16.30	0	26.39	1.90	--	--	--	--	--	--	--	--	Monitored only
05/01/09	42.69	16.86	0	25.83	-0.56	--	--	--	--	--	--	--	--	Monitored only
07/02/09	42.69	17.20	0	25.49	-0.34	--	--	--	--	--	--	--	--	Monitored only
01/18/10	42.69	17.55	0	25.14	-0.35	--	--	--	--	--	--	--	--	Gauged only
09/27/10	42.69	17.51	0	25.18	0.04	--	--	--	--	--	--	--	--	Gauge only
03/08/11	42.69	16.12	0	26.57	1.39	--	--	--	--	--	--	--	--	Gauge only
08/24/11	42.69	16.74	0	25.95	-0.62	--	--	--	--	--	--	--	--	Gauge only
02/16/12	42.69	17.51	0	25.18	-0.77	--	--	--	--	--	--	--	--	Gauge only
08/06/12	42.69	16.83	0	25.86	0.68	--	--	--	--	--	--	--	--	Gauge only
01/30/13	42.69	16.51	0	26.18	0.32	--	--	--	--	--	--	--	--	Gauge only
08/01/13	42.69	17.60	0	25.09	-1.09	--	--	--	--	--	--	--	--	Gauge only
02/05/14	42.69	18.54	0	24.15	-0.94	--	--	--	--	--	--	--	--	Gauge only
08/21/14	**42.69**	**18.14**	**0**	**24.55**	**0.40**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**Gauge only**
U-5														
04/07/92	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
08/06/92	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
11/20/92	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
02/12/93	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
06/04/93	39.61	16.05	0	23.56	--	ND	--	ND	ND	ND	ND	--	--	
09/09/93	39.61	16.90	0	22.71	-0.85	ND	--	ND	ND	ND	ND	--	--	
12/02/93	39.31	17.66	0	21.65	-1.06	ND	--	ND	ND	ND	ND	--	--	
03/09/94	39.31	16.45	0	22.86	1.21	71	--	1.7	6.3	1.5	10	--	--	
04/13/94	39.31	16.64	0	22.67	-0.19	ND	--	ND	ND	ND	ND	--	--	
06/09/94	39.31	16.70	0	22.61	-0.06	ND	--	ND	ND	ND	ND	--	--	
09/07/94	39.31	17.73	0	21.58	-1.03	ND	--	ND	0.73	ND	0.84	--	--	
12/05/94	39.31	17.23	0	22.08	0.50	ND	--	ND	ND	ND	ND	--	--	
03/09/95	39.31	15.35	0	23.96	1.88	ND	--	ND	ND	ND	ND	ND	--	
06/13/95	39.31	15.16	0	24.15	0.19	ND	--	ND	ND	ND	ND	0.87	--	
09/12/95	39.31	16.30	0	23.01	-1.14	ND	--	ND	ND	ND	ND	ND	--	
12/14/95	39.31	16.56	0	22.75	-0.26	ND	--	ND	ND	ND	ND	ND	--	
03/20/96	39.31	14.07	0	25.24	2.49	--	--	--	--	--	--	--	--	
09/24/96	39.31	16.55	0	22.76	-2.48	--	--	--	--	--	--	--	--	
03/27/97	39.31	14.85	0	24.46	1.70	ND	--	ND	ND	ND	ND	ND	--	
09/23/97	39.31	16.90	0	22.41	-2.05	--	--	--	--	--	--	--	--	Sampled annually
03/10/98	39.31	12.21	0	27.10	4.69	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-5 continued														
09/04/98	39.31	16.57	0	22.74	-4.36	--	--	--	--	--	--	--	--	
03/04/99	39.31	13.42	0	25.89	3.15	ND	--	ND	0.67	ND	ND	ND	--	
09/13/99	39.31	17.02	0	22.29	-3.60	--	--	--	--	--	--	--	--	
03/21/00	39.31	13.93	0	25.38	3.09	ND	--	ND	ND	ND	ND	ND	--	
09/18/00	39.31	16.17	0	23.14	-2.24	--	--	--	--	--	--	--	--	
03/16/01	39.31	15.51	0	23.80	0.66	ND	--	ND	ND	ND	ND	ND	--	
09/04/01	39.31	16.88	0	22.43	-1.37	--	--	--	--	--	--	--	--	
03/18/02	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	--	
09/17/02	39.31	16.71	0	22.60	-1.46	--	--	--	--	--	--	--	--	Sampled annually
03/28/03	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	
09/05/03	39.31	16.26	0	23.05	-1.05	--	--	--	--	--	--	--	--	Sampled annually
03/04/04	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	
09/09/04	39.31	16.30	0	23.01	-1.51	--	--	--	--	--	--	--	--	Monitored Only
03/01/05	39.31	14.38	0	24.93	1.92	--	ND<50	ND<0.50	ND<0.50	0.53	2.0	--	ND<0.50	
08/02/05	39.31	15.02	0	24.29	-0.64	--	--	--	--	--	--	--	--	Sampled Annually
01/20/06	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	
07/11/06	39.31	14.60	0	24.71	-0.37	--	--	--	--	--	--	--	--	Sampled Q1 only
03/09/07	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	
07/06/07	41.74	16.23	0	25.51	1.30	--	--	--	--	--	--	--	--	Sampled Q1 only
01/07/08	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	
06/24/08	41.74	16.51	0	25.23	-0.70	--	--	--	--	--	--	--	--	Sampled Q1 only
08/29/08	41.74	16.98	0	24.76	-0.47	--	--	--	--	--	--	--	--	Sampled Q1 only
11/17/08	41.74	17.25	0	24.49	-0.27	--	--	--	--	--	--	--	--	Sampled Q1 only
03/13/09	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	
05/01/09	41.74	16.04	0	25.70	-0.26	--	--	--	--	--	--	--	--	Sampled Q1 only
07/02/09	41.74	16.53	0	25.21	-0.49	--	--	--	--	--	--	--	--	Sampled Q1 only
01/18/10	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	
09/27/10	41.74	16.69	0	25.05	0.04	--	--	--	--	--	--	--	--	Sampled Q1 only
03/08/11	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	
08/24/11	41.74	15.89	0	25.85	-0.53	--	--	--	--	--	--	--	--	Sampled Q1 only
02/16/12	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	
08/06/12	41.74	16.04	0	25.70	0.67	--	--	--	--	--	--	--	--	Sampled Q1 only
01/30/13	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	
08/01/13	41.74	17.04	0	24.70	-1.31	--	--	--	--	--	--	--	--	Sampled Q1 only
02/05/14	41.74	17.73	0	24.01	-0.69	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
08/21/14	**41.74**	**16.55**	**0**	**25.19**	**1.18**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**Sampled Q1 only**
U-6														
04/07/92	--	--	--	--	--	6600	--	90	ND	820	1200	--	--	
08/06/92	--	--	--	--	--	9200	--	160	ND	360	150	--	--	

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														
11/20/92	--	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
02/12/93	--	--	--	--	--	2600	--	27	ND	120	51	--	--	
06/04/93	37.94	14.45	0	23.49	--	13000	--	100	38	450	320	--	--	
09/09/93	37.94	15.56	0	22.38	-1.11	6300	--	29	ND	120	34	--	--	
12/02/93	37.68	16.08	0	21.60	-0.78	2100	--	12	1.6	21	1.1	--	--	
03/09/94	37.68	14.90	0	22.78	1.18	2200	--	11	8.2	24	16	--	--	
06/09/94	37.68	15.18	0	22.50	-0.28	2600	--	16	ND	29	ND	--	--	
09/07/94	37.68	16.20	0	21.48	-1.02	16004	--	ND	ND	ND	ND	--	--	
12/05/94	37.68	15.60	0	22.08	0.60	450	--	ND	ND	ND	ND	--	--	
03/09/95	37.68	13.74	0	23.94	1.86	2500	--	29	ND	70	120	320	--	
06/13/95	37.68	13.73	0	23.95	0.01	1300	--	ND	ND	20	46	5400	--	
09/12/95	37.68	14.85	0	22.83	-1.12	ND	--	ND	ND	ND	ND	6600	--	
12/14/95	37.68	14.89	0	22.79	-0.04	760	--	ND	ND	7	8.4	1100	--	
03/20/96	37.68	12.41	0	25.27	2.48	52	--	1.1	0.98	ND	0.75	1200	--	
09/24/96	37.68	15.06	0	22.62	-2.65	ND	--	ND	ND	ND	ND	750	--	
03/27/97	37.68	13.48	0	24.20	1.58	ND	--	ND	ND	ND	ND	150	--	
09/23/97	37.68	15.36	0	22.32	-1.88	66	--	0.81	ND	ND	ND	150	--	
03/10/98	37.68	10.90	0	26.78	4.46	ND	--	ND	ND	ND	ND	18	--	
09/04/98	37.68	14.85	0	22.83	-3.95	ND	--	ND	ND	ND	ND	ND	--	
03/04/99	37.68	12.10	0	25.58	2.75	ND	--	ND	ND	ND	ND	6.5	--	
09/13/99	37.68	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible covered with asphalt
03/21/00	37.68	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible covered with asphalt
09/18/00	37.68	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible covered with asphalt
03/16/01	37.68	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible covered with asphalt
09/04/01	37.68	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible covered with asphalt
03/18/02	37.68	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible covered with asphalt
09/17/02	37.68	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible covered with asphalt
09/05/03	37.68	--	--	--	--	--	--	--	--	--	--	--	--	Covered with asphalt
03/04/04	37.68	--	--	--	--	--	--	--	--	--	--	--	--	Covered with asphalt
09/09/04	37.68	--	--	--	--	--	--	--	--	--	--	--	--	Covered with asphalt
03/01/05	37.68	--	--	--	--	--	--	--	--	--	--	--	--	Unable to locate-Paved over
09/08/05	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 08/02/05
01/20/06	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	
07/11/06	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	
03/09/07	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	
07/06/07	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	
01/07/08	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	
06/24/08	40.07	14.98	0	25.09	-0.96	--	--	--	--	--	--	--	--	Sampled Q1 and Q3 only
08/29/08	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	

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														
11/17/08	40.07	--	--	--	--	--	--	--	--	--	--	--	--	Car parked over well
03/13/09	40.07	14.10	0	25.97	--	--	100	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
05/01/09	40.07	14.52	0	25.55	-0.42	--	--	--	--	--	--	--	--	Sampled Q1 and Q3 only
07/02/09	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	
01/18/10	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	
09/27/10	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	
03/08/11	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	
08/24/11	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	
02/16/12	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	
08/06/12	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	
01/30/13	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	
08/01/13	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	
02/05/14	40.07	16.15	0	23.92	-0.68	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
08/21/14	**40.07**	**16.01**	**0**	**24.06**	**0.14**	**--**	**53**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<1.0**	**--**	**ND<0.50**	
U-7														
04/07/92	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
08/06/92	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
11/20/92	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
02/12/93	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
06/04/93	37.49	14.17	0	23.32	--	ND	--	ND	ND	ND	ND	--	--	
09/09/93	37.49	15.23	0	22.26	-1.06	ND	--	ND	ND	ND	ND	--	--	
12/02/93	37.11	15.61	0	21.50	-0.76	ND	--	ND	ND	ND	ND	--	--	
03/09/94	37.11	14.45	0	22.66	1.16	ND	--	1.4	4.4	0.96	7.5	--	--	
04/13/94	37.11	14.63	0	22.48	-0.18	ND	--	ND	ND	ND	ND	--	--	
06/09/94	37.11	14.70	0	22.41	-0.07	ND	--	ND	ND	ND	ND	--	--	
09/07/94	37.11	15.72	0	21.39	-1.02	ND	--	ND	ND	ND	ND	--	--	
12/05/94	37.11	15.10	0	22.01	0.62	ND	--	ND	ND	ND	ND	--	--	
03/09/95	37.11	13.36	0	23.75	1.74	ND	--	ND	ND	ND	ND	ND	--	
06/13/95	37.11	13.33	0	23.78	0.03	ND	--	ND	ND	ND	ND	3.5	--	
09/12/95	37.11	14.40	0	22.71	-1.07	ND	--	ND	ND	ND	ND	ND	--	
12/14/95	37.11	14.39	0	22.72	0.01	ND	--	ND	ND	ND	ND	1.4	--	
03/20/96	37.11	11.96	0	25.15	2.43	--	--	--	--	--	--	--	--	
09/24/96	37.11	14.59	0	22.52	-2.63	--	--	--	--	--	--	--	--	
03/27/97	37.11	13.08	0	24.03	1.51	ND	--	ND	ND	ND	ND	ND	--	
09/23/97	37.11	14.90	0	22.21	-1.82	--	--	--	--	--	--	--	--	
03/10/98	37.11	10.46	0	26.65	4.44	ND	--	ND	ND	ND	ND	ND	--	
09/04/98	37.11	14.42	0	22.69	-3.96	--	--	--	--	--	--	--	--	

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														
03/04/99	37.11	11.64	0	25.47	2.78	ND	--	ND	ND	ND	ND	6.6	--	
09/13/99	37.11	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible covered with asphalt
03/21/00	37.11	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible covered with asphalt
09/18/00	37.11	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible covered with asphalt
03/16/01	37.11	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible covered with asphalt
09/04/01	37.11	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible covered with asphalt
09/17/02	37.11	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible covered with asphalt
09/05/03	37.11	--	--	--	--	--	--	--	--	--	--	--	--	Covered with asphalt
03/04/04	37.11	--	--	--	--	--	--	--	--	--	--	--	--	Covered with asphalt
09/09/04	37.11	--	--	--	--	--	--	--	--	--	--	--	--	Covered with asphalt
03/01/05	37.11	--	--	--	--	--	--	--	--	--	--	--	--	Unable to locate-Paved over
09/08/05	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 08/02/05
01/20/06	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	
07/11/06	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	
03/09/07	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	
07/06/07	39.50	--	--	--	--	--	--	--	--	--	--	--	--	Car over well
01/07/08	39.50	13.50	0	26.00	--	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
06/24/08	39.50	14.05	0	25.45	-0.55	--	--	--	--	--	--	--	--	Sampled Q1 and Q3 only
08/29/08	39.50	--	--	--	--	--	--	--	--	--	--	--	--	Car parked over well
11/17/08	39.50	--	--	--	--	--	--	--	--	--	--	--	--	Car parked over well
03/13/09	39.50	13.60	0	25.90	--	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
05/01/09	39.50	14.88	0	24.62	-1.28	--	--	--	--	--	--	--	--	Sampled Q1 and Q3 only
07/02/09	39.50	--	--	--	--	--	--	--	--	--	--	--	--	Car parked over well
01/18/10	39.50	14.45	0	25.05	--	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
09/30/10	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	
03/08/11	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	
08/24/11	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	
02/16/12	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	
08/06/12	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	
01/30/13	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	
08/01/13	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	
02/05/14	39.50	15.67	0	23.83	-0.68	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
08/21/14	**39.50**	**15.48**	**0**	**24.02**	**0.19**	**--**	**ND<50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<1.0**	**--**	**ND<0.50**	
U-8														
04/07/92	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
08/06/92	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
02/12/93	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
06/04/93	38.94	15.26	0	23.68	--	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														
09/09/93	38.94	16.38	0	22.56	-1.12	ND	--	ND	ND	ND	ND	--	--	
12/02/93	38.57	16.80	0	21.77	-0.79	ND	--	ND	ND	ND	ND	--	--	
03/09/94	38.57	15.62	0	22.95	1.18	ND	--	1.2	3.7	0.79	6.1	--	--	
04/13/94	38.57	15.80	0	22.77	-0.18	ND	--	ND	0.78	ND	0.98	--	--	
06/09/94	38.57	15.86	0	22.71	-0.06	ND	--	ND	ND	ND	ND	--	--	
09/07/94	38.57	16.87	0	21.70	-1.01	ND	--	ND	ND	ND	ND	--	--	
12/05/94	38.57	16.32	0	22.25	0.55	ND	--	ND	ND	ND	ND	--	--	
03/09/95	38.57	14.56	0	24.01	1.76	ND	--	ND	ND	ND	ND	ND	--	
06/13/95	38.57	14.40	0	24.17	0.16	ND	--	ND	ND	ND	ND	ND	--	
09/12/95	38.57	15.50	0	23.07	-1.10	ND	--	ND	ND	ND	ND	ND	--	
12/14/95	38.57	15.67	0	22.90	-0.17	ND	--	ND	ND	ND	ND	ND	--	
03/20/96	38.57	13.25	0	25.32	2.42	--	--	--	--	--	--	--	--	
09/24/96	38.57	15.75	0	22.82	-2.50	--	--	--	--	--	--	--	--	
03/27/97	38.57	14.18	0	24.39	1.57	ND	--	ND	ND	ND	ND	ND	--	
09/23/97	38.57	16.05	0	22.52	-1.87	--	--	--	--	--	--	--	--	Sampled annually
03/10/98	38.57	11.63	0	26.94	4.42	ND	--	ND	ND	ND	ND	ND	--	
09/04/98	38.57	15.81	0	22.76	-4.18	--	--	--	--	--	--	--	--	
03/04/99	38.57	12.81	0	25.76	3.00	ND	--	ND	ND	ND	ND	ND	--	
09/13/99	38.57	16.37	0	22.20	-3.56	--	--	--	--	--	--	--	--	
03/21/00	38.57	13.25	0	25.32	3.12	ND	--	ND	ND	ND	ND	ND	--	
09/18/00	38.57	15.31	0	23.26	-2.06	--	--	--	--	--	--	--	--	
03/16/01	38.57	14.71	0	23.86	0.60	ND	--	ND	ND	ND	ND	ND	--	
09/04/01	38.57	16.01	0	22.56	-1.30	--	--	--	--	--	--	--	--	
03/18/02	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	--	
09/17/02	38.57	15.93	0	22.64	-1.47	--	--	--	--	--	--	--	--	Sampled annually
03/28/03	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	
09/05/03	38.57	15.46	0	23.11	-1.06	--	--	--	--	--	--	--	--	Sampled annually
03/04/04	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	
09/09/04	38.57	15.53	0	23.04	-1.55	--	--	--	--	--	--	--	--	Monitored Only
03/01/05	38.57	13.56	0	25.01	1.97	--	ND<50	ND<0.50	ND<0.50	0.80	2.8	--	ND<0.50	
08/02/05	38.57	14.31	0	24.26	-0.75	--	--	--	--	--	--	--	--	Sampled annually
01/20/06	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	
07/11/06	38.57	13.94	0	24.63	-0.43	--	--	--	--	--	--	--	--	Sampled Q1 only
03/09/07	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	
07/06/07	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	
01/07/08	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	
06/24/08	40.95	15.67	0	25.28	-0.88	--	--	--	--	--	--	--	--	Sampled Q1 and Q3 only
08/29/08	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	
11/17/08	40.95	16.48	0	24.47	-0.37	--	--	--	--	--	--	--	--	Sampled Q1 and Q3 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-8 continued														
03/13/09	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	
05/01/09	40.95	15.20	0	25.75	-0.42	--	--	--	--	--	--	--	--	Sampled Q1 and Q3 only
07/02/09	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	
01/18/10	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	
09/27/10	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	
03/08/11	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	
08/24/11	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	
02/16/12	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	
08/06/12	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	
01/30/13	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	
08/01/13	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	
02/05/14	40.95	16.83	0	24.12	-0.78	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
08/21/14	**40.95**	**16.68**	**0**	**24.27**	**0.15**	**--**	**ND<50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<1.0**	**--**	**ND<0.50**	
U-9														
06/04/93	37.88	14.67	0	23.21	--	2100	--	ND	ND	ND	ND	--	--	
09/09/93	37.88	15.79	0	22.09	-1.12	1200	--	ND	ND	ND	ND	--	--	
12/02/93	37.31	15.93	0	21.38	-0.71	ND	--	ND	ND	ND	ND	--	--	
03/09/94	37.31	14.74	0	22.57	1.19	5700	--	ND	ND	ND	ND	--	--	
04/13/94	37.31	14.96	0	22.35	-0.22	ND	--	ND	ND	ND	ND	--	--	
06/09/94	37.31	15.05	0	22.26	-0.09	2900	--	ND	ND	ND	ND	--	--	
09/07/94	37.31	16.06	0	21.25	-1.01	2700	--	ND	ND	ND	ND	--	--	
12/05/94	37.31	15.43	0	21.88	0.63	3700	--	ND	ND	ND	ND	--	--	
03/09/95	37.31	13.50	0	23.81	1.93	2500	--	ND	ND	ND	ND	5800	--	
06/13/95	37.31	13.63	0	23.68	-0.13	ND	--	ND	ND	ND	ND	1200	--	
09/12/95	37.31	14.73	0	22.58	-1.10	ND	--	ND	ND	ND	ND	1600	--	
12/14/95	37.31	14.67	0	22.64	0.06	ND	--	ND	ND	ND	ND	4400	--	
03/20/96	37.31	12.27	0	25.04	2.40	ND	--	ND	ND	ND	ND	480	--	
09/24/96	37.31	14.92	0	22.39	-2.65	ND	--	ND	ND	ND	ND	ND	--	
03/27/97	37.31	13.36	0	23.95	1.56	ND	--	ND	ND	ND	ND	42	--	
09/23/97	37.31	15.28	0	22.03	-1.92	ND	--	ND	ND	ND	ND	ND	--	
03/10/98	37.31	10.86	0	26.45	4.42	ND	--	ND	ND	ND	3.1	ND	--	
09/04/98	37.31	15.03	0	22.28	-4.17	ND	--	ND	ND	ND	ND	ND	--	
03/04/99	37.31	11.95	0	25.36	3.08	ND	--	ND	ND	ND	ND	ND	--	
09/13/99	37.31	15.61	0	21.70	-3.66	ND	--	ND	1.67	ND	1.01	7.85	--	
03/21/00	37.31	12.38	0	24.93	3.23	ND	--	ND	ND	ND	ND	ND	--	
09/18/00	37.31	14.87	0	22.44	-2.49	ND	--	ND	1.42	ND	1.06	ND	--	
03/16/01	37.31	13.85	0	23.46	1.02	ND	--	ND	ND	ND	ND	ND	--	
09/04/01	37.31	15.22	0	22.09	-1.37	--	--	--	--	--	--	--	--	Sampled annually

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 continued														
03/18/02	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	--	
09/17/02	37.31	15.14	0	22.17	-1.58	--	--	--	--	--	--	--	--	Sampled annually
03/28/03	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	
09/05/03	37.31	14.64	0	22.67	-1.03	--	--	--	--	--	--	--	--	Sampled annually
03/04/04	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	
09/09/04	37.31	14.75	0	22.56	-1.68	--	--	--	--	--	--	--	--	Monitored Only
03/01/05	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	
08/02/05	37.31	13.47	0	23.84	-0.79	--	--	--	--	--	--	--	--	Sampled annually
01/20/06	37.31	12.61	0	24.70	0.86	--	ND<50	ND<0.50	ND<0.50	0.78	2.8	--	ND<0.50	
07/11/06	37.31	13.10	0	24.21	-0.49	--	--	--	--	--	--	--	--	Sampled Q1 only
03/09/07	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	
07/06/07	39.72	14.63	0	25.09	1.33	--	--	--	--	--	--	--	--	Sampled Q1 only
01/07/08	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	
06/24/08	39.72	14.89	0	24.83	-1.04	--	--	--	--	--	--	--	--	Sampled Q1 only
08/29/08	39.72	15.32	0	24.40	-0.43	--	--	--	--	--	--	--	--	Sampled Q1 only
11/17/08	39.72	15.70	0	24.02	-0.38	--	--	--	--	--	--	--	--	Sampled Q1 only
03/13/09	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	
05/01/09	39.72	14.37	0	25.35	-0.47	--	--	--	--	--	--	--	--	Sampled Q1 only
07/02/09	39.72	14.90	0	24.82	-0.53	--	--	--	--	--	--	--	--	Sampled Q1 only
01/18/10	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	
09/27/10	39.72	15.02	0	24.70	-0.05	--	--	--	--	--	--	--	--	Sampled Q1 only
03/08/11	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	
08/24/11	39.72	14.29	0	25.43	-0.69	--	--	--	--	--	--	--	--	Sampled Q1 only
02/16/12	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	
08/06/12	39.72	14.61	0	25.11	0.41	--	--	--	--	--	--	--	--	Sampled Q1 only
01/30/13	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	
08/01/13	39.72	15.33	0	24.39	-1.24	--	--	--	--	--	--	--	--	Sampled Q1 only
02/05/14	39.72	16.00	0	23.72	-0.67	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
08/21/14	**39.72**	**15.84**	**0**	**23.88**	**0.16**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**Sampled Q1 only**
U-1														
02/09/88	--	--	--	--	--	93000	--	3600	11000	--	20000	--	--	
03/20/90	--	--	--	--	--	36000	--	2100	5500	1900	9300	--	--	
06/05/90	--	--	--	--	--	46000	--	2300	5500	2500	11000	--	--	
08/24/90	--	--	--	--	--	27000	--	1200	1800	1400	5500	--	--	
12/05/90	--	--	--	--	--	--	--	--	--	--	--	--	--	Not sampled due to free product
03/04/91	--	--	--	--	--	--	--	--	--	--	--	--	--	Not sampled due to free product
06/03/91	--	--	--	--	--	--	--	--	--	--	--	--	--	Not sampled due to free product
09/19/91	--	--	--	--	--	--	--	--	--	--	--	--	--	Not sampled due to free product

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-1 continued														
12/04/91	--	--	--	--	--	--	--	--	--	--	--	--	--	Not sampled due to free product
03/05/92	--	--	--	--	--	--	--	--	--	--	--	--	--	Not sampled due to free product
04/07/92	--	--	--	--	--	--	--	--	--	--	--	--	--	Not sampled due to free product
08/06/92	--	--	--	--	--	--	--	--	--	--	--	--	--	Not sampled due to free product
11/20/92	--	--	--	--	--	--	--	--	--	--	--	--	--	Not sampled due to free product
02/12/93	--	--	--	--	--	70000	--	2200	8400	3100	18000	--	--	
06/04/93	40.51	16.72	0	23.79	--	35000	--	1300	5700	900	9200	--	--	
09/09/93	40.51	17.77	0	22.74	-1.05	67000	--	2900	18000	6200	32000	--	--	
12/02/93	40.20	18.36	0.01	21.85*	-0.89	--	--	--	--	--	--	--	--	Not sampled due to free product
03/09/94	40.20	17.20	0	23.00	1.15	45000	--	930	4100	2000	11000	--	--	
06/09/94	40.20	17.42	0	22.78	-0.22	59000	--	5200	1300	5200	15000	--	--	
09/07/94	40.20	18.17	0	22.03	-0.75	41000	--	1600	6200	3100	16000	--	--	
12/05/94	40.20	16.67	0	23.53	1.50	1300	--	55	20	16	330	--	--	
03/09/95	40.20	15.82	0	24.38	0.85	49000	--	860	3200	1900	10000	1500	--	
06/13/95	40.20	14.70	0	25.50	1.12	53000	--	1400	5000	2500	14000	2800	--	
09/12/95	40.01	16.77	0	23.24	-2.26	43000	--	910	2700	1700	9600	1400	--	
12/14/95	40.20	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible; system not running
03/20/96	40.20	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible; system not running
03/22/96	40.20	--	--	--	--	13000	--	200	590	640	4000	790	--	
09/24/96	40.20	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible; system not running
03/27/97	40.20	15.29	0	24.91	--	1300	--	8	ND	ND	400	ND	--	
09/23/97	40.20	17.20	0	23.00	-1.91	2000	--	15	ND	ND	530	ND	--	
03/10/98	40.20	12.68	0	27.52	4.52	2200	--	19	4.8	ND	980	38	--	
09/04/98	40.20	16.84	0	23.36	-4.16	5300	--	53	ND	410	620	ND	--	
03/04/99	40.20	13.04	0	27.16	3.80	1500	--	19	ND	56	110	310	--	
09/13/99	40.20	17.14	0	23.06	-4.10	5850	--	32.7	ND	520	925	ND	--	
03/21/00	40.20	14.36	0	25.84	2.78	4820	--	17.4	7.74	297	1370	ND	--	
09/18/00	40.20	16.72	0	23.48	-2.36	647	--	6.44	ND	22.3	6.86	22.2	--	
10/13/00	40.20	16.85	0	23.35	-0.13	--	--	--	--	--	--	--	29	
03/16/01	40.20	15.84	0	24.36	1.01	4950	--	1.73	1.77	429	536	613	--	
09/04/01	40.20	17.16	0	23.04	-1.32	11000	--	25	ND<10	1100	1800	370	--	
03/18/02	40.20	15.60	--	24.60	1.56	8100	--	ND<20	ND<20	740	1300	ND<200	--	
09/17/02	40.20	17.35	0	22.85	-1.75	--	4200	ND<2.5	ND<2.5	120	43	--	280	
03/28/03	40.20	15.72	0	24.48	1.63	--	560	ND<0.50	ND<0.50	0.96	ND<1.0	--	69	
09/05/03	40.20	16.77	--	23.43	-1.05	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2	
03/04/04	40.20	14.64	0	25.56	2.13	--	20000	ND<20	ND<20	1900	8300	--	ND<80	
09/09/04	40.20	16.64	0	23.56	-2.00	--	22000	ND<20	ND<20	1800	6100	--	ND<20	
03/01/05	40.20	14.70	0	25.50	1.94	--	25000	ND<13	ND<13	1900	6800	--	ND<13	
08/02/05	40.20	15.44	0	24.76	-0.74	--	11000	ND<10	ND<10	780	2600	--	ND<10	

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-1 continued														
01/20/06	40.20	14.66	0	25.54	0.78	--	65000	5.0	ND<0.50	5000	18000	--	2.6	
07/11/06	40.20	15.01	0	25.19	-0.35	--	9200	ND<50	ND<50	680	2400	--	ND<50	
03/09/07	40.20	15.52	0	24.68	-0.51	--	15000	6.7	ND<5.0	890	3200	--	ND<5.0	
07/06/07	40.20	--	--	--	--	--	--	--	--	--	--	--	--	Abandoned on 07/18/07
U-3														
08/23/90	--	--	--	--	--	110000	--	4400	13000	2800	17000	--	--	
12/05/90	--	--	--	--	--	69000	--	1900	3500	1600	9800	--	--	
01/18/91	--	--	--	--	--	51000	--	1700	3100	1500	7500	--	--	
03/04/91	--	--	--	--	--	84000	--	1400	10000	2900	17000	--	--	
06/03/91	--	--	--	--	--	130000	--	5800	19000	4600	24000	--	--	
09/19/91	--	--	--	--	--	61000	--	3300	9700	2800	15000	--	--	
12/04/91	--	--	--	--	--	75000	--	2500	6100	1900	11000	--	--	
03/05/92	--	--	--	--	--	160000	--	5300	15000	5400	26000	--	--	
04/07/92	--	--	--	--	--	97000	--	6100	16000	5400	28000	--	--	
08/06/92	--	--	--	--	--	140000	--	5100	13000	5000	23000	--	--	
11/20/92	--	--	--	--	--	50000	--	3200	4700	1900	10000	--	--	
02/12/93	--	--	--	--	--	80000	--	3700	9400	3700	18000	--	--	
06/04/93	39.64	15.48	0	24.16	--	92000	--	2900	8700	4300	20000	--	--	
09/09/93	39.64	17.04	0	22.60	-1.56	110000	--	2800	10000	6500	31000	--	--	
12/02/93	39.26	17.55	0	21.71	-0.89	110000	--	3200	7700	5600	26000	--	--	
03/09/94	39.26	16.35	0	22.91	1.20	120000	--	4500	8300	5600	28000	--	--	
06/09/94	39.26	16.60	0	22.66	-0.25	120000	--	3300	6100	5200	26000	--	--	
09/07/94	39.26	17.61	0	21.65	-1.01	100000	--	2400	4900	4200	21000	--	--	
12/05/94	39.26	17.08	0	22.18	0.53	140000	--	3100	5100	4900	21000	--	--	
03/09/95	39.26	15.20	0	24.06	1.88	100000	--	2300	3300	4800	21000	54000	--	
06/13/95	39.26	15.11	0	24.15	0.09	64000	--	1700	1500	3800	18000	900	--	
09/12/95	39.26	16.11	0	23.15	-1.00	69000	--	1700	820	4000	19000	29000	--	
12/14/95	39.26	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible; system not running
03/20/96	39.26	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible; system not running
03/22/96	39.26	--	--	--	--	15000	--	150	490	480	3100	400	--	
09/24/96	39.26	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible; system not running
03/27/97	39.26	14.77	0	24.49	--	110	--	ND	ND	ND	0.62	9.6	--	
09/23/97	39.26	16.74	0	22.52	-1.97	ND	--	ND	ND	ND	ND	ND	--	
03/10/98	39.26	12.18	0	27.08	4.56	ND	--	ND	ND	ND	3.1	ND	--	
09/04/98	39.26	16.46	0	22.80	-4.28	ND	--	ND	ND	1.2	2.3	ND	--	
03/04/99	39.26	13.48	0	25.78	2.98	ND	--	ND	ND	ND	ND	ND	--	
09/13/99	39.26	16.71	0	22.55	-3.23	ND	--	ND	1.77	ND	1.06	9.08	--	
03/21/00	39.26	13.87	--	25.39	2.84	18700	--	ND	ND	1290	4770	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-3 continued														
09/18/00	39.26	16.12	0	23.14	-2.25	ND	--	ND	ND	ND	ND	ND	--	
03/16/01	39.26	15.35	0	23.91	0.77	2310	--	ND	ND	184	618	ND	--	
09/04/01	39.26	16.71	0	22.55	-1.36	340	--	0.95	ND<0.50	8.1	18	ND<5.0	--	
03/18/02	39.26	15.11	--	24.15	1.60	6500	--	ND<10	ND<10	390	1400	ND<100	--	
09/17/02	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	
03/28/03	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	
09/05/03	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	
03/04/04	39.26	14.11	0	25.15	2.19	--	14000	ND<10	ND<10	940	3500	--	ND<40	
09/09/04	39.26	16.22	0	23.04	-2.11	--	1300	ND<2.5	ND<2.5	66	160	--	ND<2.5	
03/01/05	39.26	14.18	0	25.08	2.04	--	14000	ND<5.0	ND<5.0	690	2000	--	ND<5.0	
08/02/05	39.26	14.93	0	24.33	-0.75	--	6300	ND<2.5	ND<2.5	320	970	--	ND<2.5	
01/20/06	39.26	14.14	0	25.12	0.79	--	7600	ND<0.50	ND<0.50	390	890	--	ND<0.50	
07/11/06	39.26	14.52	0	24.74	-0.38	--	3800	ND<5.0	ND<5.0	190	420	--	ND<5.0	
03/09/07	39.26	15.05	0	24.21	-0.53	--	3800	ND<2.5	ND<2.5	130	240	--	ND<2.5	
07/06/07	39.26	16.17	0	23.09	-1.12	--	390	ND<0.50	ND<0.50	11	16	--	ND<0.50	Abandoned on 07/19/07
TRIP BLANK														
QA														
01/30/13	--	--	--	--	--	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
08/01/13	--	--	--	--	--	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
02/05/14	--	--	--	--	--	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
08/21/14	**--**	**--**	**--**	**--**	**--**	**--**	**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
* = GWE was corrected due to the presence of free product; [(TOC-DTW) + (Product Thickness x 0.8)].

[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									
07/06/07	--	ND<250	--	--	--	--	--	--	--
01/07/08	--	ND<6200	--	--	--	--	--	--	--
06/24/08	--	ND<12000	--	--	--	--	--	--	--
08/29/08	ND<500	ND<12000	ND<25	--	ND<25	ND<25	ND<25	ND<25	--
11/17/08	ND<500	ND<12000	ND<25	--	ND<25	ND<25	ND<25	ND<25	--
03/13/09	ND<250	ND<6200	ND<12	--	ND<12	ND<12	ND<12	ND<12	--
05/01/09	ND<250	--	ND<12	--	ND<12	ND<12	ND<12	ND<12	--
07/02/09	ND<500	ND<12000	ND<25	--	ND<25	ND<25	ND<25	ND<25	--
01/18/10	ND<250	ND<6200	ND<12	--	ND<12	ND<12	ND<12	ND<12	--
09/27/10	ND<250	ND<6200	ND<12	ND<0.010	ND<12	ND<12	ND<12	ND<12	--
03/08/11	ND<120	ND<3100	ND<6.2	--	ND<6.2	ND<6.2	ND<6.2	ND<0.50	--
08/24/11	ND<10	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--
02/16/12	ND<10	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--
08/06/12[1]	ND<50	ND<1200	ND<2.5	--	ND<2.5	ND<2.5	ND<2.5	ND<2.5	--
01/30/13[1]	ND<120	ND<3100	ND<6.2	--	ND<6.2	ND<6.2	ND<6.2	ND<6.2	--
01/30/13[1]	ND<120	ND<3100	ND<6.2	--	ND<6.2	ND<6.2	ND<6.2	ND<6.2	--
08/01/13	ND<10	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--
02/05/14	ND<10	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--
08/21/14	**ND<10**	**ND<250**	**ND<0.50**	**--**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**--**
U-3R									
07/06/07	--	ND<250	--	--	--	--	--	--	--
01/07/08	--	ND<250	--	--	--	--	--	--	--
06/24/08	--	ND<250	--	--	--	--	--	--	--
08/29/08	ND<10	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--
11/17/08	ND<10	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--
03/13/09	ND<10	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--
05/01/09	ND<10	--	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--
07/02/09	ND<10	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--
01/18/10	ND<10	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--
09/27/10	ND<10	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--
03/08/11	ND<10	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--
08/24/11	ND<10	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--
02/16/12	ND<10	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--
08/06/12	ND<10	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--
01/30/13	ND<10	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--
08/01/13	ND<10	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--
02/05/14	ND<10	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--
08/21/14	**ND<10**	**ND<250**	**ND<0.50**	**--**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**--**
U-5									
03/04/04	--	ND<500	--	--	--	--	--	--	--
03/01/05	--	ND<50	--	--	--	--	--	--	--
01/20/06	--	ND<250	--	--	--	--	--	--	--
03/09/07	--	ND<250	--	--	--	--	--	--	--
01/07/08	--	ND<250	--	--	--	--	--	--	--
03/13/09	ND<10	--	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--
01/18/10	ND<10	--	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--
03/08/11	ND<10	--	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--
02/16/12	ND<10	--	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--
01/30/13	ND<10	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--
02/05/14	ND<10	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--
U-6									
09/08/05	--	ND<1000	--	--	--	--	--	--	--
01/20/06	--	ND<250	--	--	--	--	--	--	--
07/11/06	--	ND<250	--	--	--	--	--	--	--
03/09/07	--	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									
07/06/07	--	ND<250	--	--	--	--	--	--	--
01/07/08	--	ND<250	--	--	--	--	--	--	--
08/29/08	ND<10	--	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--
03/13/09	ND<10	--	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--
07/02/09	ND<10	--	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--
01/18/10	ND<10	--	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--
09/27/10	ND<10	--	ND<0.50	ND<0.010	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--
03/08/11	ND<10	--	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--
08/24/11	ND<10	--	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--
02/16/12	ND<10	--	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--
08/06/12	ND<10	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--
01/30/13	ND<10	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--
08/01/13	ND<10	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--
02/05/14	ND<10	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--
08/21/14	**ND<10**	**ND<250**	**ND<0.50**	**--**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**--**
U-7									
09/08/05	--	ND<1000	--	--	--	--	--	--	--
01/20/06	--	ND<250	--	--	--	--	--	--	--
07/11/06	--	ND<250	--	--	--	--	--	--	--
03/09/07	--	ND<250	--	--	--	--	--	--	--
01/07/08	--	ND<250	--	--	--	--	--	--	--
03/13/09	ND<10	--	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--
01/18/10	ND<10	--	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--
09/30/10	ND<10	--	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--
03/08/11	ND<10	--	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--
08/24/11	ND<10	--	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--
02/16/12	ND<10	--	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--
08/06/12	ND<10	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--
01/30/13	ND<10	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--
08/01/13	ND<10	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--
02/05/14	ND<10	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--
08/21/14	**ND<10**	**ND<250**	**ND<0.50**	**--**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**--**
U-8									
03/27/97	--	--	--	--	--	--	--	--	--
03/04/04	--	ND<500	--	--	--	--	--	--	--
03/01/05	--	ND<50	--	--	--	--	--	--	--
01/20/06	--	ND<250	--	--	--	--	--	--	--
03/09/07	--	ND<250	--	--	--	--	--	--	--
07/06/07	--	ND<250	--	--	--	--	--	--	--
01/07/08	--	ND<250	--	--	--	--	--	--	--
08/29/08	ND<10	--	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--
03/13/09	ND<10	--	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--
07/02/09	ND<10	--	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--
01/18/10	ND<10	--	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--
09/27/10	ND<10	--	ND<0.50	ND<0.010	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--
03/08/11	ND<10	--	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--
08/24/11	ND<10	--	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--
02/16/12	ND<10	--	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--
08/06/12	ND<10	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--
01/30/13	ND<10	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--
08/01/13	ND<10	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--
02/05/14	ND<10	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--
08/21/14	**ND<10**	**ND<250**	**ND<0.50**	**--**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**--**
U-9									
03/04/04	--	ND<500	--	--	--	--	--	--	--
03/01/05	--	ND<50	--	--	--	--	--	--	--

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									
01/20/06	--	ND<250	--	--	--	--	--	--	--
03/09/07	--	ND<250	--	--	--	--	--	--	--
01/07/08	--	ND<250	--	--	--	--	--	--	--
03/13/09	ND<10	--	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--
01/18/10	ND<10	--	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--
03/08/11	ND<10	--	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--
02/16/12	ND<10	--	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--
01/30/13	ND<10	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--
02/05/14	ND<10	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--
U-1									
10/13/00	ND	ND	ND	--	--	ND	ND	ND	ND
09/17/02	ND<500	ND<2500	ND<10	--	--	ND<10	ND<10	ND<10	ND<10
09/05/03	--	ND<500	--	--	--	--	--	--	--
03/04/04	--	ND<20000	--	--	--	--	--	--	--
09/09/04	--	ND<2000	--	--	--	--	--	--	--
03/01/05	--	ND<1300	--	--	--	--	--	--	--
08/02/05	--	ND<1000	--	--	--	--	--	--	--
01/20/06	--	ND<250	--	--	--	--	--	--	--
07/11/06	--	ND<25000	--	--	--	--	--	--	--
03/09/07	--	ND<2500	--	--	--	--	--	--	--
U-3									
09/05/03	--	ND<500	--	--	--	--	--	--	--
03/04/04	--	ND<10000	--	--	--	--	--	--	--
09/09/04	--	ND<250	--	--	--	--	--	--	--
03/01/05	--	ND<500	--	--	--	--	--	--	--
08/02/05	--	ND<250	--	--	--	--	--	--	--
01/20/06	--	ND<250	--	--	--	--	--	--	--
07/11/06	--	ND<2500	--	--	--	--	--	--	--
03/09/07	--	ND<1200	--	--	--	--	--	--	--
07/06/07	--	ND<250	--	--	--	--	--	--	--
TRIP BLANK									
QA									
01/30/13	ND<10	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--
08/01/13	ND<10	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--
02/05/14	ND<10	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--
08/21/14	**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										
08/06/12	0.52	0.55	238	218	550	12	11	14[1,2]	11000[1]	ND<0.10
01/30/13	0.90	0.80	121	110	570	1.4	3.4	4.1[1]	5900[1]	ND<0.10
08/01/13	1.0	0.9	109	87	520	0.45	2.4	8.7[1]	6600[1]	ND<0.10
02/05/14	1.1	0.80	-68	-76	420	2.2	12	14[1]	23000[1]	ND<1.0[3]
08/21/14	**1.3**	**1.6**	**79**	**104**	**440**	**1.6**	**7.9**	**2.2[1]**	**91000[1]**	**ND<2.0[3]**
U-2										
03/27/97	4.36	4.49	--	--	--	--	--	--	--	--
U-3R										
08/06/12	1.58	1.08	243	249	390	46	40	0.067	490	ND<0.10
01/30/13	1.7	1.6	77	84	380	45	37	0.0070	210	ND<0.10
08/01/13	1.4	1.6	94	102	360	47	39	0.019	ND<100	ND<0.10
02/05/14	1.2	1.4	109	118	380	47	37	0.66[1]	160	ND<1.0[3]
08/21/14	**1.2**	**1.3**	**116**	**127**	**350**	**39**	**37**	**0.0020**	**190**	**ND<0.10**
U-4										
03/27/97	3.32	3.26	--	--	--	--	--	--	--	--
U-5										
03/27/97	3.74	3.77	--	--	--	--	--	--	--	--
01/30/13	2.3	2.1	98	108	390	100[1]	51	0.0013	ND<100	ND<0.10
02/05/14	1.7	1.6	135	142	350	110[1]	59	0.023	210	ND<1.0[3]
U-6										
03/20/96	3.85	3.89	--	--	--	--	--	--	--	--
09/24/96	3.73	3.81	--	--	--	--	--	--	--	--
03/27/97	4.43	4.36	--	--	--	--	--	--	--	--
09/23/97	--	4.14	--	--	--	--	--	--	--	--
03/10/98	--	3.95	--	--	--	--	--	--	--	--
08/06/12	1.61	0.70	173	148	410	3.2	12	0.58[1]	340	ND<0.10
01/30/13	1.9	1.7	106	118	400	8.0	17	ND<0.0010	230	ND<0.10
08/01/13	1.6	1.8	101	112	370	5.2	25	ND<0.0010	140	ND<0.10
02/05/14	1.4	1.3	150	161	350	1.5	18	0.0026	2600	ND<0.10
08/21/14	**1.2**	**1.5**	**94**	**121**	**350**	**1.4**	**20**	**0.080**	**2300**	**ND<0.10**
U-7										
03/27/97	3.29	3.38	--	--	--	--	--	--	--	--
08/06/12	4.77	1.03	219	221	250	49	27	0.0012	ND<100	ND<0.10

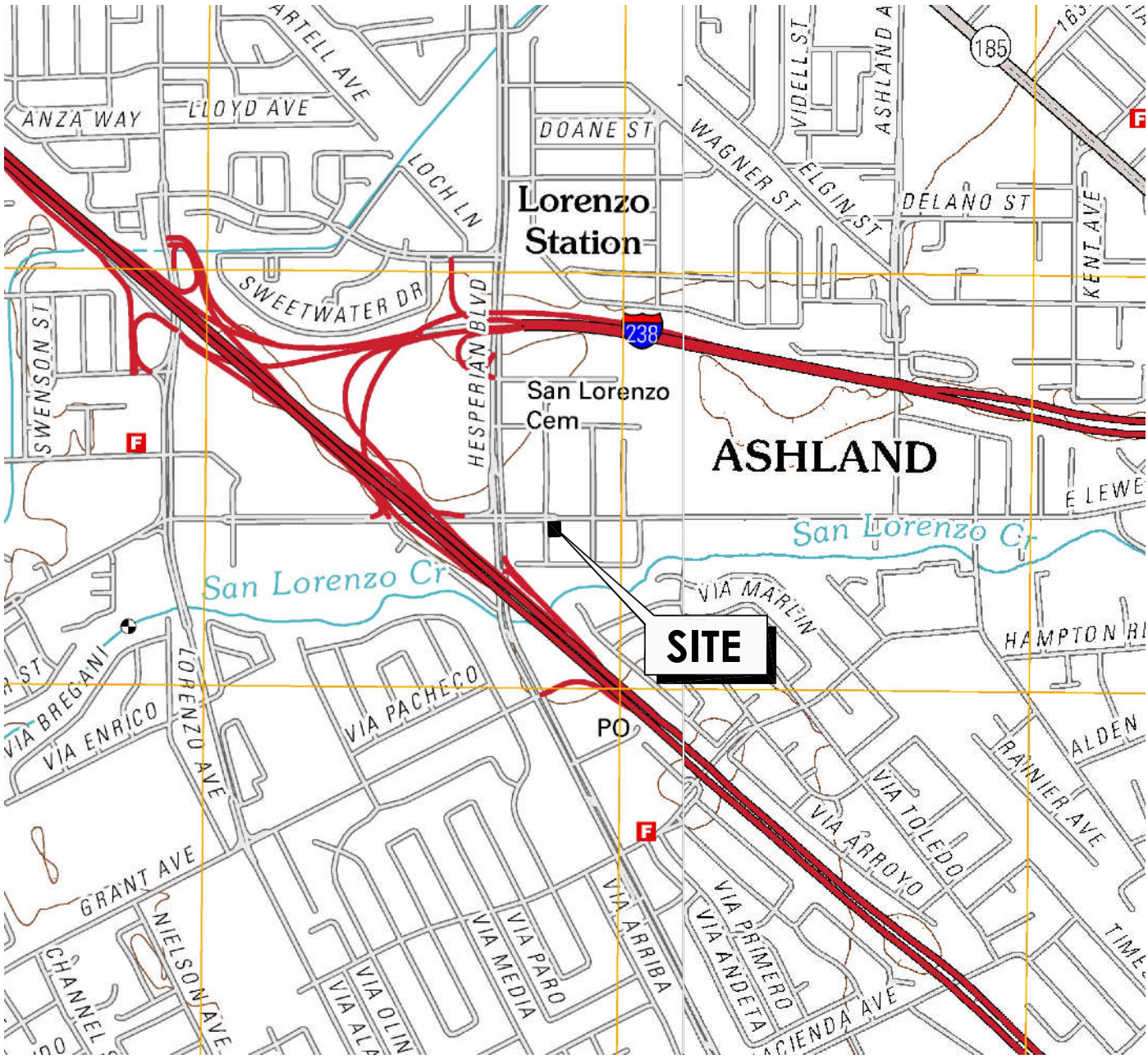
Table 4
Monitored Natural Attenuation Parameters
376 Lewelling Boulevard, San Lorenzo, CA

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-7 continued										
01/30/13	2.5	2.3	82	92	260	41	25	ND<0.0010	ND<100	ND<0.10
08/01/13	2.1	2.0	75	87	250	45	29	ND<0.0010	ND<100	ND<0.10
02/05/14	1.5	1.7	85	74	270	50	31	0.0024	120	ND<1.0[3]
08/21/14	**1.8**	**1.6**	**59**	**73**	**280**	**46[4]**	**32**	**ND<0.0010**	**170**	**ND<0.10**
U-8										
03/27/97	3.04	3.11	--	--	--	--	--	--	--	--
08/06/12	1.42	0.59	228	210	220	70	29	0.0035	ND<100	ND<0.10
01/30/13	1.8	1.7	73	84	240	56	29	ND<0.0010	ND<100	ND<0.10
08/01/13	1.5	1.3	61	80	250	48	32	ND<0.0010	ND<100	ND<0.10
02/05/14	2.0	1.8	115	103	280	51	37	0.0041	130	ND<1.0[3]
08/21/14	**1.2**	**1.0**	**37**	**55**	**270**	**45[4]**	**35**	**ND<0.0010**	**140**	**ND<0.10**
U-9										
03/20/96	4.02	4	--	--	--	--	--	--	--	--
09/24/96	3.85	3.98	--	--	--	--	--	--	--	--
03/27/97	3.65	3.57	--	--	--	--	--	--	--	--
09/23/97	--	3.8	--	--	--	--	--	--	--	--
03/10/98	--	3.62	--	--	--	--	--	--	--	--
01/30/13	2.1	1.9	78	86	390	14	24	ND<0.0010	ND<100	ND<0.10
02/05/14	1.9	1.7	94	106	380	2.7	26	0.0056	100	ND<1.0[3]
U-1										
03/27/97	2.41	2.35	--	--	--	--	--	--	--	--
U-3										
03/27/97	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.
[3] = Laboratory report indicates PQL's and MDL's were raised due to matrix interference.
[4] = Laboratory report indicates the sample holding time was exceeded.

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:			FIGURE:
376 LEWELLING BOULEVARD SAN LORENZO, CALIFORNIA		SITE LOCATION MAP	1

JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
211902149	JRO	EEO/MRK	DS/SC	09/16/14

FILEPATH:P:\Chevron\76 Products Portfolio\351561\GWM\2014\3Q14\Figures\Cadd\351561 3Q14.dwg | jopalekopsahl | Sep 18, 2014 at 8:49 | Layout: Fig 1_SLM

LEWELLING BOULEVARD

DRIVE

DRIVE

DRIVE

DRIVE

76-BRANDED SERVICE STATION #5760

CANOPY

DISPENSER ISLANDS

STATION BUILDING

USTs

U-1R (24.40)

U-1

U-2 (NM)

U-3

U-3R (24.18)

U-4 (24.55)

U-5 (25.19)

U-6 (24.06)

U-7 (24.02)

U-8 (24.27)

U-9 (23.88)

PARKING

PARKING

PLANTER

RESIDENTIAL AREA

PETE'S TRANSMISSION SERVICE

APARTMENT BUILDING

APARTMENT BUILDING

APARTMENT BUILDING

APARTMENT

USHER STREET

25.00

24.80

24.60

24.40

24.20

24.00

0.002 to 0.018 ft/ft

LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- FENCE
- UST — UNDERGROUND STORAGE TANK
- GROUNDWATER MONITORING WELL
- DESTROYED MONITORING WELL
- (24.40) — GROUNDWATER ELEVATION (FEET ABOVE MEAN SEA LEVEL)
- (NM) — NOT MEASURED
- GROUNDWATER ELEVATION CONTOUR; DASHED WHERE INFERRED (FEET ABOVE MEAN SEA LEVEL)
- APPROXIMATE DIRECTION OF GROUNDWATER FLOW. HYDRAULIC GRADIENT RANGES FROM 0.002 TO 0.018 FEET PER FOOT (ft/ft).

NOTES

GROUNDWATER ELEVATION DATA WERE COLLECTED ON AUGUST 21, 2014

GROUNDWATER CONTOURS WERE CREATED USING SURFER VERSION 8.0

N

0 30 60

APPROXIMATE SCALE IN FEET

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FOR: 376 LEWELLING BOULEVARD SAN LORENZO, CALIFORNIA

GROUNDWATER ELEVATION CONTOUR MAP - THIRD QUARTER 2014

FIGURE: 2

JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
211902149	JRO	EEO/MRK	DS/SC	09/16/14

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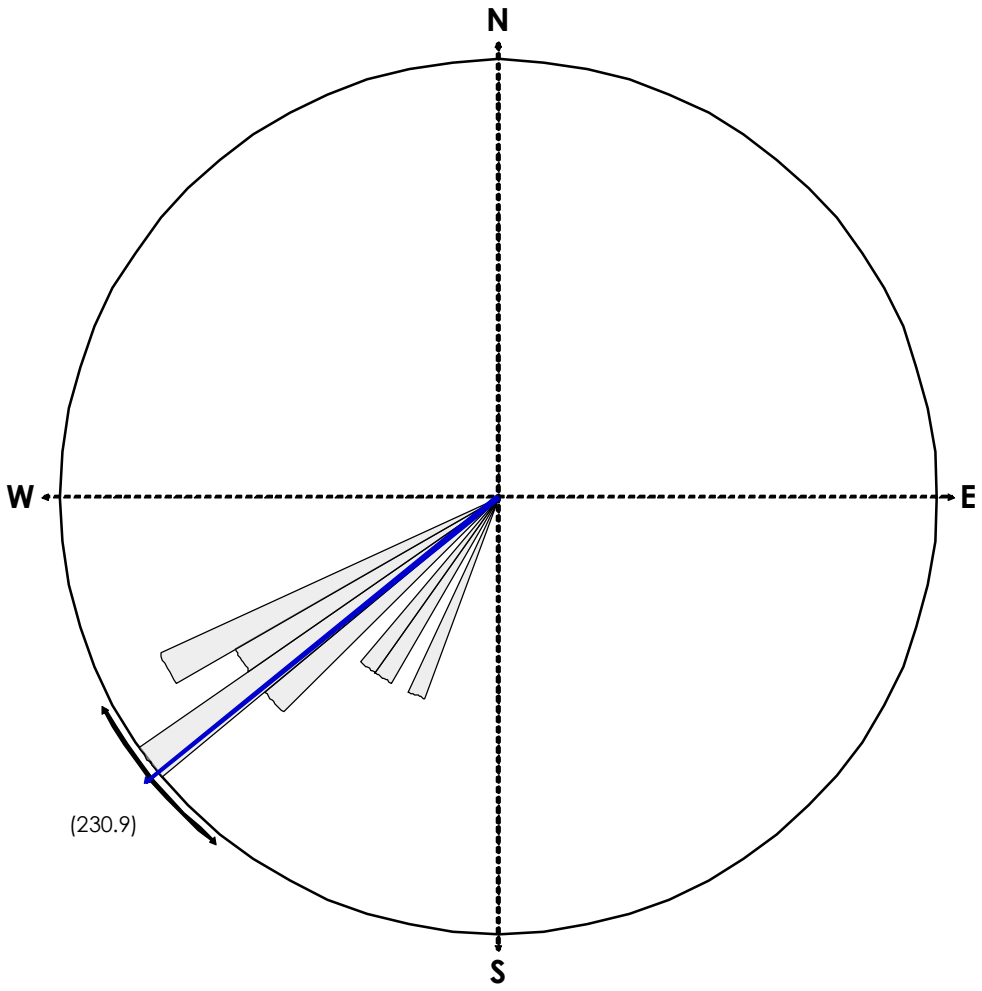

EQUAL AREA PLOT

Number of Points	14
Class Size	5
Vector Mean	230.87
Vector Magnitude	13.71
Consistency Ratio	0.98

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

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FOR:		GROUNDWATER FLOW DIRECTION ROSE DIAGRAM - THIRD QUARTER 2014		FIGURE:
376 LEWELLING BOULEVARD SAN LORENZO, CALIFORNIA				3
JOB NUMBER: 211902149	DRAWN BY: JRO	CHECKED BY: EEO/MRK	APPROVED BY: DS/SC	DATE: 09/16/14

FILEPATH:P:\Chevron\76 Products Portfolio\351561\GWM\2014\3Q14\Figures\Cadd\351561 3Q14.dwg | jopalekopsahl | Sep 18, 2014 at 9:03 | Layout: Fig 3_ROSE

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

LEWELLING BOULEVARD

DRIVE

DRIVE

DRIVE

76-BRANDED SERVICE STATION #5760

CANOPY

DISPENSER ISLANDS

STATION BUILDING

USTs

U-5 (NS)

U-4 (NS)

U-2 (NS)

U-1R

U-3

U-3R

U-1

PETE'S TRANSMISSION SERVICE

U-6*	µg/L
TPH-GRO	**53**
B	<0.50
T	<0.50
E	<0.50
X	<1.0
MtBE	<0.50

U-6

USHER STREET

APARTMENT BUILDING

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	**8,800**
B	**0.76**
T	**1.8**
E	**570**
X	**4.0**
MtBE	<0.50

PARKING

PLANTER

PARKING

U-8

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

U-9 (NS)

U-7

APARTMENT BUILDING

APARTMENT BUILDING

APARTMENT

RESIDENTIAL AREA

N

0 40 80

APPROXIMATE SCALE IN FEET

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FOR: 376 LEWELLING BOULEVARD SAN LORENZO, CALIFORNIA

SITE PLAN SHOWING GROUNDWATER CONCENTRATIONS - THIRD QUARTER 2014

FIGURE: 4

JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
211902149	JRO	EEO/MRK	DS/SC	09/16/14

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LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- FENCE
- UST — UNDERGROUND STORAGE TANK
- GROUNDWATER MONITORING WELL
- DESTROYED MONITORING WELL
- (8,800) — 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

76-BRANDED SERVICE STATION #5760

CANOPY

DISPENSER ISLANDS

DRIVE

U-5 (NS)

U-4 (NS)

STATION BUILDING

RESIDENTIAL AREA

PETE'S TRANSMISSION SERVICE

USHER STREET

DRIVE

(<50)

U-3

U-3R

100

1,000

U-1R (8,800)

U-1

USTs

U-2 (NS)

PARKING

U-6 (53)

APARTMENT BUILDING

PLANTER

U-8 (<50)

PARKING

U-9 (NS)

U-7 (<50)

APARTMENT BUILDING

APARTMENT BUILDING

N

0 40 80

APPROXIMATE SCALE IN FEET

Stantec
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Rancho Cordova, CA 95670
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FOR: 376 LEWELLING BOULEVARD SAN LORENZO, CALIFORNIA

TPH-GRO ISOCONCENTRATION MAP - THIRD QUARTER 2014

FIGURE: 5

JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
211902149	JRO	EEO/MRK	DS/SC	09/16/14

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ATTACHMENT A
Gettler-Ryan Inc. Field Data Sheets and Standard Operating Procedures – Third Quarter 2014

GETTLER-RYAN INC.

TRANSMITTAL

September 2, 2014
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.
6805 Sierra Court, Suite G
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 21, 2014**

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**

Site Address: **376 Lewelling Blvd.**

City: **San Lorenzo, CA**

Job #: **385679**

Event Date: 8/21/14

Sampler: JV

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									12" emco	
U-2	UTA										
U-4	ok										
U-8	ok										
U-3R	ok									Vault	
U-5	Ok									8" emco	
U-6	ok										
U-7	ok										
U-9	ok										

Comments Unable to access well U-2

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: 8/21/14 (inclusive)
City: San Lorenzo, CA Sampler: JH

Well ID U-1R Date Monitored: 8/21/14
Well Diameter 2/3 in.
Total Depth 24.60 ft.
Depth to Water 18.25 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.

6.35 xVF .17 = 1.07 x3 case volume = Estimated Purge Volume: 3.23 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 19.25

Purge Equipment:
Disposable Bailer X
Stainless Steel Bailer
Stack Pump
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: ltr
Amt Removed from Well: ltr
Water Removed: ltr

Start Time (purge): 1000 Weather Conditions: Clear
Sample Time/Date: 1035 / 8/21/14 Water Color: Light Odor: Ⓨ / N Light
Approx. Flow Rate: — gpm. Sediment Description: Light
Did well de-water? NO If yes, Time: _____ Volume: _____ gal. DTW @ Sampling: 18.47

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
1003	1	7.06	704	21.1	PRE: 1.3	PRE: 79
1007	2	6.93	691	21.0		
1012	3.5	6.82	675	21.1		
					POST: 1.6	POST: 104

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 250ml 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(8015)

COMMENTS:

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: 8/21/14 (inclusive)
City: San Lorenzo, CA Sampler: JH

Well ID U-2 Date Monitored: 8/21/14
Well Diameter 2/3 in.
Total Depth 29.83 ft.
Depth to Water — 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.

— 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
Peristaltic Pump
QED Bladder Pump
Other:

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

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

Start Time (purge): 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 (µS / mS µmhos/cm)	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 250ml 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(8015)

COMMENTS: Parked over - shop not able to move car

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: 8/21/14 (inclusive)
City: San Lorenzo, CA Sampler: JH

Well ID U-3R Date Monitored: 8/21/14
Well Diameter 2 3 in.
Total Depth 24.65 ft.
Depth to Water 17.40 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.

7.25 xVF .17 = 1.23 x3 case volume = Estimated Purge Volume: 3.69 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 18.85

Purge Equipment:

Disposable Bailer	X
Stainless Steel Bailer	
Stack Pump	
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: _____ ltr
Amt Removed from Well: _____ ltr
Water Removed: _____ ltr

Start Time (purge): 0915 Weather Conditions: Clear
Sample Time/Date: 0945 / 8/21/14 Water Color: Cloudy Odor: (Y) N Light
Approx. Flow Rate: — gpm. Sediment Description: Light
Did well de-water? No If yes, Time: _____ Volume: _____ gal. DTW @ Sampling: 18.09

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µS/ mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
0918	1	7.39	735	21.2	PRE: 1.2	PRE: 116
0922	2	7.30	730	21.1		
0925	3.5	7.22	728	21.1		
					POST: 1.3	POST: 127

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 250ml 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(8015)

COMMENTS: _____

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: 8/21/14 (inclusive)
City: San Lorenzo, CA Sampler: JH

Well ID U-4 Date Monitored: 8/21/14
Well Diameter 2 (3) in.
Total Depth 27.86 ft.
Depth to Water 18.14 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.

9.72 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
Peristaltic Pump
QED Bladder Pump
Other:

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

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

Start Time (purge): ___ 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 (µS / mS µmhos/cm)	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 250ml 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(8015)

COMMENTS: MTB

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: 8/21/14 (inclusive)
City: San Lorenzo, CA Sampler: JH

Well ID U-5 Date Monitored: 8/21/14
Well Diameter 2 in.
Total Depth 28.50 ft.
Depth to Water 16.55 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.

11.95 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
Peristaltic Pump
QED Bladder Pump
Other:

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

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

Start Time (purge): ____ 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 (µS / mS µmhos/cm)	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 250ml 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(8015)~~

COMMENTS: ____

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: 8/21/14 (inclusive)
City: San Lorenzo, CA Sampler: JH

Well ID U-6 Date Monitored: 8/21/14
Well Diameter (2) 3 in.
Total Depth 28.29 ft.
Depth to Water 16.01 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.

12.28 xVF .17 = 2.08 x3 case volume = Estimated Purge Volume: 6.26 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 18.46

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

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

Start Time (purge): 0810 Weather Conditions: Cloudy
Sample Time/Date: 0855 / 8/21/14 Water Color: Cloudy Odor: Y / (N)
Approx. Flow Rate: — gpm. Sediment Description: Light
Did well de-water? NO If yes, Time: Volume: gal. DTW @ Sampling: 17.09

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µS / mS umhos/cm)	Temperature ((C) / F)	D.O. (mg/L)	ORP (mV)
0815	2	7.40	605	21.0	PRE: 1.2	PRE: 94
0820	4	7.26	583	20.9		
0827	6.5	7.03	571	20.9		
					POST: 1.5	POST: 121

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 250ml 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(8015)

COMMENTS:

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: 8/21/14 (inclusive)
City: San Lorenzo, CA Sampler: JH

Well ID U-7
Well Diameter 2 3 in.
Total Depth 34.88 ft.
Depth to Water 15.98 ft.
19.40 xVF .17 = 3.29 x3 case volume = Estimated Purge Volume: 9.89 gal.
Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 19.36

Date Monitored: 8/21/14

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

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

Start Time (purge): 0705 Weather Conditions: Cloudy
Sample Time/Date: 0750 / 8/21/14 Water Color: Cloudy Odor: Y / (N)
Approx. Flow Rate: — gpm. Sediment Description: None
Did well de-water? N If yes, Time: Volume: gal. DTW @ Sampling: 16.65

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µS / mS umhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
0714	3	7.26	667	21.2	PRE: 1.8	PRE: 59
0722	6	7.20	620	21.1		
0731	10	7.11	612	21.0		
					POST: 1.6	POST: 73

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 250ml 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(8015)

COMMENTS:

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: 8/21/14 (inclusive)
City: San Lorenzo, CA Sampler: JV

Well ID U-8 Date Monitored: 8/21/14
Well Diameter 2 3 in.
Total Depth 29.54 ft.
Depth to Water 16.68 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.

12.86 xVF .17 = 2.18 x3 case volume = Estimated Purge Volume: 6.55 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 19.25

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

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

Start Time (purge): 0605 Weather Conditions: Dark /cloudy
Sample Time/Date: 0645 / 8/21/14 Water Color: Cloudy Odor: Y / (N)
Approx. Flow Rate: — gpm. Sediment Description: Light
Did well de-water? NO If yes, Time: Volume: gal. DTW @ Sampling: 16.92

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µS / mS mmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
0611	2	7.51	622	21.1	PRE: 1.2	PRE: 37
0616	4	7.37	614	21.0		
0623	6.5	7.33	603	20.9		
					POST: 1.0	POST: 55

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 250ml 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(8015)

COMMENTS:

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: 8/21/14 (inclusive)
City: San Lorenzo, CA Sampler: JW

Well ID U-9 Date Monitored: 8/21/14
Well Diameter (2) 3 in.
Total Depth 28.16 ft.
Depth to Water 15.84 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.

12.32 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
Peristaltic Pump
QED Bladder Pump
Other:

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

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

Start Time (purge): ____ 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 (µS / mS µmhos/cm)	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 250ml 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(8015)

COMMENTS: MW

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

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: 276 Lewelling Blvd San Lorenzo CA	Consultant Phone No.: 916-284-6740
	Sampling Company: ~~TRC~~ Gettler Ryan
Union Oil PM: Tim Bishop	Sampled By (PRINT): [illegible]
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

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

Special Instructions

ANALYSES REQUIRED

SAMPLE ID: Field Point Name	Matrix	DTW	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	Ecoxy (E[illegible])	Nitrate/Nitrite/alkalinity	Ferrous Iron (Sm 3500 Fe D)	Sulfate ([illegible])	Methane (8015)		Notes / Comments
QA	W-S-A		110821	—	2		Y	X									
U-1R	W-S-A		↓	1035	6		↓	↓			Y	Y	Y	Y	Y		
U-2R	W-S-A		↓	0945	↓		↓	↓			↓	↓	↓	↓	↓		
U-6	W-S-A		↓	0855	↓		↓	↓			↓	↓	↓	↓	↓		
U-7	W-S-A		↓	0750	↓		↓	↓			↓	↓	↓	↓	↓		
U-8	W-S-A		↓	0645	↓		↓	↓			↓	↓	↓	↓	↓		
	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	8/21/11						
Received By	**Company**	**Date / Time:**	**Received By**	**Company**	**Date / Time :**	**Received By**	**Company**	**Date / Time:**

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

Date of Report: 09/11/2014

Sean Coyle

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

Client Project:	351561
BCL Project:	5760
BCL Work Order:	1419517
Invoice ID:	B182869

Enclosed are the results of analyses for samples received by the laboratory on 8/22/2014. 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

Table of Contents

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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 Blvd SAN LORENZO CA	Consultant Phone No.: 916-384-0740
Union Oil PM: Tim Bishop	Sampling Company: Gettler Ryan
Union Oil PM Phone No.: 925-790-6463	Sampled By (PRINT): Sim Herron
Charge Code: NWRTB-0 351561 -0- LAB	Sampler 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 ☒ 24 Hours ☐ 48 Hours ☐ 72 Hours ☐

Special Instructions

SAMPLE ID						TPH - Diesel by EPA 8015	TPH - G by GC/MS	BTEX/MTBE/ by EPA 8260B	Ethanol by EPA 8260B	EPA 8260B Full List with OXYS	8oxy's (8260)	Nitrate/Sulfate/Alkalinity	Ferrous Flow (Sm 3500 Fe D)	Sulfide (375.5)	Methane (RSK)		Notes / Comments
Field Point Name	Matrix	DTW	Date (yymmdd)	Sample Time	# of Containers												
QA	W-S-A	-1	140821	—	2		X	X									
U-1R	W-S-A	-2		1035	8						X	X	X	X	X		
U-3R	W-S-A	-3		0945													
U-6	W-S-A	-4		0855													
U-7	W-S-A	-5		0750													
U-8	W-S-A	-6		0645													
	W-S-A																
	W-S-A																
	W-S-A																
	W-S-A																
	W-S-A																
	W-S-A																

CHK BY: [illegible] DISTRIBUTION: [illegible] SUB-OUT ☐

SHORT HOLDING TIME: Cr^{+6} NO_2 NO_3 OP SS DO Cl_2 BOD MEAS COT

Relinquished By	Company	Date / Time:
[signature]	Gettler-Ryan	8/21/14
Received By	Company	Date / Time:
[signature]	BCLabs	8/22/14 1030

Relinquished By	Company	Date / Time :
Received By	Company	Date / Time :

Relinquished By	Company	Date / Time:
Received By	Company	Date / Time:

Chain of Custody and Cooler Receipt Form for 1419517 Page 2 of 2

BC LABORATORIES INC. **COOLER RECEIPT FORM** Rev. No. 17 06/05/14 Page 1 Of 1

Submission #: 14-19517

SHIPPING INFORMATION	SHIPPING CONTAINER	FREE LIQUID
Federal Express ☒ UPS ☐ Hand Delivery ☐	Ice Chest ☒ None ☐ Box ☐	YES ☐ NO ☐
BC Lab Field Service ☐ Other ☐ (Specify)_____	Other ☐ (Specify)_____	

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: 0.97 Container: PPL Thermometer ID: 207 Date/Time 8/22/14

Temperature: (A) 3.1 °C / (C) 3.3 °C Analyst Init MAM 1030

SAMPLE CONTAINERS	SAMPLE NUMBERS 1	2	3	4	5	6	7	8	9	10
QT GENERAL MINERAL/ GENERAL		E	E	E	E	E				
PT PE UNPRESERVED										
QT INORGANIC CHEMICAL METALS										
PT INORGANIC CHEMICAL METALS										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE		D	D	D	D	D				
2oz. NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT TOX										
PT CHEMICAL OXYGEN DEMAND										
PtA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK	A(2)									
40ml VOA VIAL	( )	A(3)	A(3)	A(3)	A(3)	A(3)	( )	( )	( )	( )
QT EPA 413.1, 413.2, 418.1										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL-504 (Amph		B(2)	B(2)	B(2)	B(2)	B(2)				
QT EPA 508/608/8080										
QT EPA 515.1/8150										
QT EPA 525										
QT EPA 525 TRAVEL BLANK										
40ml EPA 547										
40ml EPA 531.1										
8oz Amber EPA 548										
QT EPA 549										
QT EPA 632										
QT EPA 8015M										
QT AMBER										
8 OZ. JAR										
32 OZ. JAR										
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
FERROUS IRON		C	C	C	C	C				
ENCORE										
SMART KIT										
Summa Canister										

Comments:

Sample Numbering Completed By: Date/Time: 8/22/14 1315

A = Actual / C = Corrected

I:\WPDoc\WordPerfect\LAB_DOCS\FORMS\SAMREC16

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

Reported: 09/11/2014 8:01
Project: 5760
Project Number: 351561
Project Manager: Sean Coyle

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
1419517-01	**COC Number:**	---	**Receive Date:**	08/22/2014 10:30
	Project Number:	5760	**Sampling Date:**	08/21/2014 00:00
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	QA-W-140821	**Lab Matrix:**	Water
	Sampled By:	GRD	**Sample Type:**	Trip Blank
	Delivery Work Order:			
	Global ID: T0600101469			
	Location ID (FieldPoint): QA			
	Matrix: W			
	Sample QC Type (SACode): CS			
	Cooler ID:			
1419517-02	**COC Number:**	---	**Receive Date:**	08/22/2014 10:30
	Project Number:	5760	**Sampling Date:**	08/21/2014 10:35
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	U-1R-W-140821	**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:			
1419517-03	**COC Number:**	---	**Receive Date:**	08/22/2014 10:30
	Project Number:	5760	**Sampling Date:**	08/21/2014 09:45
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	U-3R-W-140821	**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: 09/11/2014 8:01
Project: 5760
Project Number: 351561
Project Manager: Sean Coyle

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
1419517-04	**COC Number:**	---	**Receive Date:**	08/22/2014 10:30
	Project Number:	5760	**Sampling Date:**	08/21/2014 08:55
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	U-6-W-140821	**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:	
1419517-05	**COC Number:**	---	**Receive Date:**	08/22/2014 10:30
	Project Number:	5760	**Sampling Date:**	08/21/2014 07:50
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	U-7-W-140821	**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:	
1419517-06	**COC Number:**	---	**Receive Date:**	08/22/2014 10:30
	Project Number:	5760	**Sampling Date:**	08/21/2014 06:45
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	U-8-W-140821	**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:	

Stantec
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Reported: 09/11/2014 8:01
Project: 5760
Project Number: 351561
Project Manager: Sean Coyle

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1419517-01 | **Client Sample Name:** 5760, QA-W-140821, 8/21/2014 12:00:00AM

Constituent	Result	Units	PQL	MDL	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
Total Purgeable Petroleum Hydrocarbons	ND	ug/L	50		Luft-GC/MS	ND		1
1,2-Dichloroethane-d4 (Surrogate)	90.5	%	75 - 125 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	98.9	%	80 - 120 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	92.3	%	80 - 120 (LCL - UCL)		EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	08/25/14	08/25/14 17:49	JMS	MS-V12	1	BXH2385

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Rancho Cordova, CA 95670

Reported: 09/11/2014 8:01
Project: 5760
Project Number: 351561
Project Manager: Sean Coyle

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1419517-02 | **Client Sample Name:** 5760, U-1R-W-140821, 8/21/2014 10:35:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	**0.76**	**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	**570**	**ug/L**	**5.0**		**EPA-8260B**	ND	**A01**	2
Methyl t-butyl ether	ND	ug/L	0.50		EPA-8260B	ND		1
Toluene	**1.8**	**ug/L**	**0.50**		**EPA-8260B**	ND		1
Total Xylenes	**4.0**	**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
Total Purgeable Petroleum Hydrocarbons	**8800**	**ug/L**	**500**		**Luft-GC/MS**	ND	**A01**	2
1,2-Dichloroethane-d4 (Surrogate)	100	%	75 - 125 (LCL - UCL)		EPA-8260B			1
1,2-Dichloroethane-d4 (Surrogate)	88.9	%	75 - 125 (LCL - UCL)		EPA-8260B			2
Toluene-d8 (Surrogate)	91.7	%	80 - 120 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	93.5	%	80 - 120 (LCL - UCL)		EPA-8260B			2
4-Bromofluorobenzene (Surrogate)	99.5	%	80 - 120 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	101	%	80 - 120 (LCL - UCL)		EPA-8260B			2

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	08/25/14	08/25/14 19:52	JMS	MS-V12	1	BXH2385
2	EPA-8260B	08/25/14	08/25/14 20:10	JMS	MS-V12	10	BXH2385

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3017 Kilgore Rd, Suite 100
Rancho Cordova, CA 95670

Reported: 09/11/2014 8:01
Project: 5760
Project Number: 351561
Project Manager: Sean Coyle

Gas Testing in Water

BCL Sample ID: 1419517-02 | **Client Sample Name:** 5760, U-1R-W-140821, 8/21/2014 10:35:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Methane	**2.2**	**mg/L**	**0.010**		**RSK-175M**	ND	**A01**	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	RSK-175M	08/25/14	08/25/14 10:53	JMS	GC-V1	10	BXH1797

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Reported: 09/11/2014 8:01
Project: 5760
Project Number: 351561
Project Manager: Sean Coyle

Water Analysis (General Chemistry)

BCL Sample ID: 1419517-02 | **Client Sample Name:** 5760, U-1R-W-140821, 8/21/2014 10:35:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Total Alkalinity as CaCO3	**440**	**mg/L**	**4.1**		**EPA-310.1**	ND		1
Nitrate as NO3	**1.6**	**mg/L**	**0.44**		**EPA-300.0**	ND		2
Sulfate	**7.9**	**mg/L**	**1.0**		**EPA-300.0**	ND		2
Iron (II) Species	**91000**	**ug/L**	**2000**		**SM-3500-FeD**	ND	**A01**	3
Total Sulfide	ND	mg/L	2.0		SM-4500SD	ND	A10	4

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-310.1	08/27/14	08/27/14 08:55	RML	MET-1	1	BXH2457
2	EPA-300.0	08/22/14	08/23/14 09:48	LD1	IC5	1	BXH2257
3	SM-3500-FeD	08/25/14	08/25/14 12:26	TDC	KONE-1	20	BXH2822
4	SM-4500SD	08/27/14	08/27/14 14:30	DIW	SPEC05	20	BXH2721

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Rancho Cordova, CA 95670

Reported: 09/11/2014 8:01
Project: 5760
Project Number: 351561
Project Manager: Sean Coyle

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1419517-03 | **Client Sample Name:** 5760, U-3R-W-140821, 8/21/2014 9:45:00AM

Constituent	Result	Units	PQL	MDL	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
Total Purgeable Petroleum Hydrocarbons	ND	ug/L	50		Luft-GC/MS	ND		1
1,2-Dichloroethane-d4 (Surrogate)	95.1	%	75 - 125 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	102	%	80 - 120 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	100	%	80 - 120 (LCL - UCL)		EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	08/25/14	08/25/14 19:35	JMS	MS-V12	1	BXH2385

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Rancho Cordova, CA 95670

Reported: 09/11/2014 8:01
Project: 5760
Project Number: 351561
Project Manager: Sean Coyle

Gas Testing in Water

BCL Sample ID: 1419517-03 | **Client Sample Name:** 5760, U-3R-W-140821, 8/21/2014 9:45:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Methane	**0.0020**	**mg/L**	**0.0010**		**RSK-175M**	ND		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	RSK-175M	08/25/14	08/25/14 10:59	JMS	GC-V1	1	BXH1797

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Reported: 09/11/2014 8:01
Project: 5760
Project Number: 351561
Project Manager: Sean Coyle

Water Analysis (General Chemistry)

BCL Sample ID: 1419517-03 | **Client Sample Name:** 5760, U-3R-W-140821, 8/21/2014 9:45:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Total Alkalinity as CaCO3	**350**	**mg/L**	**4.1**		**EPA-310.1**	ND		1
Nitrate as NO3	**39**	**mg/L**	**0.44**		**EPA-300.0**	ND		2
Sulfate	**37**	**mg/L**	**1.0**		**EPA-300.0**	ND		2
Iron (II) Species	**190**	**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	08/27/14	08/27/14 09:02	RML	MET-1	1	BXH2457
2	EPA-300.0	08/22/14	08/23/14 09:17	LD1	IC5	1	BXH2257
3	SM-3500-FeD	08/25/14	08/25/14 11:59	TDC	KONE-1	1	BXH2822
4	SM-4500SD	08/27/14	08/27/14 14:30	DIW	SPEC05	1	BXH2721

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Rancho Cordova, CA 95670

Reported: 09/11/2014 8:01
Project: 5760
Project Number: 351561
Project Manager: Sean Coyle

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1419517-04 | **Client Sample Name:** 5760, U-6-W-140821, 8/21/2014 8:55:00AM

Constituent	Result	Units	PQL	MDL	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
Total Purgeable Petroleum Hydrocarbons	**53**	**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)	99.5	%	80 - 120 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	99.2	%	80 - 120 (LCL - UCL)		EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	08/25/14	08/25/14 19:18	JMS	MS-V12	1	BXH2385

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

Reported: 09/11/2014 8:01
Project: 5760
Project Number: 351561
Project Manager: Sean Coyle

Gas Testing in Water

BCL Sample ID: 1419517-04 | **Client Sample Name:** 5760, U-6-W-140821, 8/21/2014 8:55:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Methane	**0.080**	**mg/L**	**0.0010**		**RSK-175M**	ND		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	RSK-175M	08/25/14	08/25/14 11:03	JMS	GC-V1	1	BXH1797

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

Reported: 09/11/2014 8:01
Project: 5760
Project Number: 351561
Project Manager: Sean Coyle

Water Analysis (General Chemistry)

BCL Sample ID: 1419517-04 | **Client Sample Name:** 5760, U-6-W-140821, 8/21/2014 8:55:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Total Alkalinity as CaCO3	**350**	**mg/L**	**4.1**		**EPA-310.1**	ND		1
Nitrate as NO3	**1.4**	**mg/L**	**0.44**		**EPA-300.0**	ND		2
Sulfate	**20**	**mg/L**	**1.0**		**EPA-300.0**	ND		2
Iron (II) Species	**2300**	**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	08/27/14	08/27/14 09:09	RML	MET-1	1	BXH2457
2	EPA-300.0	08/22/14	08/23/14 09:35	LD1	IC2	1	BXH2263
3	SM-3500-FeD	08/25/14	08/25/14 11:59	TDC	KONE-1	1	BXH2822
4	SM-4500SD	08/27/14	08/27/14 14:30	DIW	SPEC05	1	BXH2721

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

Reported: 09/11/2014 8:01
Project: 5760
Project Number: 351561
Project Manager: Sean Coyle

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1419517-05 | **Client Sample Name:** 5760, U-7-W-140821, 8/21/2014 7:50:00AM

Constituent	Result	Units	PQL	MDL	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
Total Purgeable Petroleum Hydrocarbons	ND	ug/L	50		Luft-GC/MS	ND		1
1,2-Dichloroethane-d4 (Surrogate)	105	%	75 - 125 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	96.0	%	80 - 120 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	95.8	%	80 - 120 (LCL - UCL)		EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	08/25/14	08/25/14 19:00	JMS	MS-V12	1	BXH2385

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Project Number: 351561
Project Manager: Sean Coyle

Gas Testing in Water

BCL Sample ID: 1419517-05 | **Client Sample Name:** 5760, U-7-W-140821, 8/21/2014 7:50:00AM

Constituent	Result	Units	PQL	MDL	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	08/25/14	08/25/14 11:09	JMS	GC-V1	1	BXH1798

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

Water Analysis (General Chemistry)

BCL Sample ID: 1419517-05 | **Client Sample Name:** 5760, U-7-W-140821, 8/21/2014 7:50:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Total Alkalinity as CaCO3	**280**	**mg/L**	**4.1**		**EPA-310.1**	ND		1
Nitrate as NO3	**46**	**mg/L**	**0.44**		**EPA-300.0**	ND	**S05**	2
Sulfate	**32**	**mg/L**	**1.0**		**EPA-300.0**	ND		2
Iron (II) Species	**170**	**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	08/27/14	08/27/14 09:33	RML	MET-1	1	BXH2458
2	EPA-300.0	08/22/14	08/23/14 11:21	LD1	IC5	1	BXH2257
3	SM-3500-FeD	08/25/14	08/25/14 11:59	TDC	KONE-1	1	BXH2822
4	SM-4500SD	08/27/14	08/27/14 14:30	DIW	SPEC05	1	BXH2721

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

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1419517-06 | **Client Sample Name:** 5760, U-8-W-140821, 8/21/2014 6:45:00AM

Constituent	Result	Units	PQL	MDL	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
Total Purgeable Petroleum Hydrocarbons	ND	ug/L	50		Luft-GC/MS	ND		1
1,2-Dichloroethane-d4 (Surrogate)	102	%	75 - 125 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	94.2	%	80 - 120 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	96.9	%	80 - 120 (LCL - UCL)		EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	08/25/14	08/25/14 18:42	JMS	MS-V12	1	BXH2385

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Reported: 09/11/2014 8:01
Project: 5760
Project Number: 351561
Project Manager: Sean Coyle

Gas Testing in Water

BCL Sample ID: 1419517-06 | **Client Sample Name:** 5760, U-8-W-140821, 8/21/2014 6:45:00AM

Constituent	Result	Units	PQL	MDL	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	08/25/14	08/25/14 11:15	JMS	GC-V1	1	BXH1798

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Project Number: 351561
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Water Analysis (General Chemistry)

BCL Sample ID: 1419517-06 | **Client Sample Name:** 5760, U-8-W-140821, 8/21/2014 6:45:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Total Alkalinity as CaCO3	**270**	**mg/L**	**4.1**		**EPA-310.1**	ND		1
Nitrate as NO3	**45**	**mg/L**	**0.44**		**EPA-300.0**	ND	**S05**	2
Sulfate	**35**	**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	08/27/14	08/27/14 09:46	RML	MET-1	1	BXH2458
2	EPA-300.0	08/22/14	08/23/14 10:50	LD1	IC5	1	BXH2257
3	SM-3500-FeD	08/25/14	08/25/14 11:59	TDC	KONE-1	1	BXH2822
4	SM-4500SD	08/27/14	08/27/14 14:30	DIW	SPEC05	1	BXH2721

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Reported: 09/11/2014 8:01
Project: 5760
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Volatile Organic Analysis (EPA Method 8260B)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BXH2385						
Benzene	BXH2385-BLK1	ND	ug/L	0.50		
1,2-Dibromoethane	BXH2385-BLK1	ND	ug/L	0.50		
1,2-Dichloroethane	BXH2385-BLK1	ND	ug/L	0.50		
Ethylbenzene	BXH2385-BLK1	ND	ug/L	0.50		
Methyl t-butyl ether	BXH2385-BLK1	ND	ug/L	0.50		
Toluene	BXH2385-BLK1	ND	ug/L	0.50		
Total Xylenes	BXH2385-BLK1	ND	ug/L	1.0		
t-Amyl Methyl ether	BXH2385-BLK1	ND	ug/L	0.50		
t-Butyl alcohol	BXH2385-BLK1	ND	ug/L	10		
Diisopropyl ether	BXH2385-BLK1	ND	ug/L	0.50		
Ethanol	BXH2385-BLK1	ND	ug/L	250		
Ethyl t-butyl ether	BXH2385-BLK1	ND	ug/L	0.50		
Total Purgeable Petroleum Hydrocarbons	BXH2385-BLK1	ND	ug/L	50		
1,2-Dichloroethane-d4 (Surrogate)	**BXH2385-BLK1**	**95.8**	%	**75 - 125 (LCL - UCL)**		
Toluene-d8 (Surrogate)	**BXH2385-BLK1**	**96.5**	%	**80 - 120 (LCL - UCL)**		
4-Bromofluorobenzene (Surrogate)	**BXH2385-BLK1**	**98.4**	%	**80 - 120 (LCL - UCL)**		

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Volatile Organic Analysis (EPA Method 8260B)

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: BXH2385										
Benzene	BXH2385-BS1	LCS	27.370	25.000	ug/L	109		70 - 130		
Toluene	BXH2385-BS1	LCS	23.870	25.000	ug/L	95.5		70 - 130		
1,2-Dichloroethane-d4 (Surrogate)	BXH2385-BS1	LCS	8.9700	10.000	ug/L	89.7		75 - 125		
Toluene-d8 (Surrogate)	BXH2385-BS1	LCS	10.390	10.000	ug/L	104		80 - 120		
4-Bromofluorobenzene (Surrogate)	BXH2385-BS1	LCS	9.7100	10.000	ug/L	97.1		80 - 120		

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Volatile Organic Analysis (EPA Method 8260B)

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: BXH2385	Used client sample: N										
Benzene	MS	1418901-34	ND	22.390	25.000	ug/L		89.6		70 - 130	
	MSD	1418901-34	ND	21.900	25.000	ug/L	2.2	87.6	20	70 - 130	
Toluene	MS	1418901-34	ND	19.420	25.000	ug/L		77.7		70 - 130	
	MSD	1418901-34	ND	18.110	25.000	ug/L	7.0	72.4	20	70 - 130	
1,2-Dichloroethane-d4 (Surrogate)	MS	1418901-34	ND	9.2400	10.000	ug/L		92.4		75 - 125	
	MSD	1418901-34	ND	10.170	10.000	ug/L	9.6	102		75 - 125	
Toluene-d8 (Surrogate)	MS	1418901-34	ND	10.250	10.000	ug/L		102		80 - 120	
	MSD	1418901-34	ND	10.130	10.000	ug/L	1.2	101		80 - 120	
4-Bromofluorobenzene (Surrogate)	MS	1418901-34	ND	9.6100	10.000	ug/L		96.1		80 - 120	
	MSD	1418901-34	ND	9.6200	10.000	ug/L	0.1	96.2		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: BXH1797						
Methane	BXH1797-BLK1	ND	mg/L	0.0010		
QC Batch ID: BXH1798						
Methane	BXH1798-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: BXH1797										
Methane	BXH1797-BS1	LCS	0.011454	0.010843	mg/L	106		80 - 120		
	BXH1797-BSD1	LCSD	0.011395	0.010843	mg/L	105	0.5	80 - 120	20	
QC Batch ID: BXH1798										
Methane	BXH1798-BS1	LCS	0.011870	0.010843	mg/L	109		80 - 120		
	BXH1798-BSD1	LCSD	0.011630	0.010843	mg/L	107	2.0	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: BXH2257						
Nitrate as NO3	BXH2257-BLK1	ND	mg/L	0.44		
Sulfate	BXH2257-BLK1	ND	mg/L	1.0		
QC Batch ID: BXH2263						
Nitrate as NO3	BXH2263-BLK1	ND	mg/L	0.44		
Sulfate	BXH2263-BLK1	ND	mg/L	1.0		
QC Batch ID: BXH2457						
Total Alkalinity as CaCO3	BXH2457-BLK1	ND	mg/L	4.1		
QC Batch ID: BXH2458						
Total Alkalinity as CaCO3	BXH2458-BLK1	ND	mg/L	4.1		
QC Batch ID: BXH2721						
Total Sulfide	BXH2721-BLK1	ND	mg/L	0.10		
QC Batch ID: BXH2822						
Iron (II) Species	BXH2822-BLK1	ND	ug/L	100		

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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: BXH2257										
Nitrate as NO3	BXH2257-BS1	LCS	20.222	22.134	mg/L	91.4		90 - 110		
Sulfate	BXH2257-BS1	LCS	91.708	100.00	mg/L	91.7		90 - 110		
QC Batch ID: BXH2263										
Nitrate as NO3	BXH2263-BS1	LCS	23.192	22.134	mg/L	105		90 - 110		
Sulfate	BXH2263-BS1	LCS	95.412	100.00	mg/L	95.4		90 - 110		
QC Batch ID: BXH2457										
Total Alkalinity as CaCO3	BXH2457-BS3	LCS	99.040	100.00	mg/L	99.0		90 - 110		
QC Batch ID: BXH2458										
Total Alkalinity as CaCO3	BXH2458-BS3	LCS	101.93	100.00	mg/L	102		90 - 110		
QC Batch ID: BXH2721										
Total Sulfide	BXH2721-BS1	LCS	0.51886	0.50000	mg/L	104		90 - 110		
QC Batch ID: BXH2822										
Iron (II) Species	BXH2822-BS1	LCS	2530.9	2500.0	ug/L	101		90 - 110		

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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: BXH2257	Used client sample: Y - Description: U-1R-W-140821, 08/21/2014 10:35										
Nitrate as NO3	DUP	419517-02RE1	1.4343	1.4830		mg/L	3.3		10		
	MS	419517-02RE1	1.4343	22.201	22.358	mg/L		92.9		80 - 120	
	MSD	419517-02RE1	1.4343	22.000	22.358	mg/L	0.9	92.0	10	80 - 120	
Sulfate	DUP	419517-02RE1	8.2550	8.2060		mg/L	0.6		10		
	MS	419517-02RE1	8.2550	103.97	101.01	mg/L		94.8		80 - 120	
	MSD	419517-02RE1	8.2550	102.88	101.01	mg/L	1.1	93.7	10	80 - 120	
QC Batch ID: BXH2263	Used client sample: N										
Nitrate as NO3	DUP	419464-01RE1	5.3830	5.2812		mg/L	1.9		10		
	MS	419464-01RE1	5.3830	28.868	22.358	mg/L		105		80 - 120	
	MSD	419464-01RE1	5.3830	29.051	22.358	mg/L	0.6	106	10	80 - 120	
Sulfate	DUP	419464-01RE1	3.3420	3.3770		mg/L	1.0		10		
	MS	419464-01RE1	3.3420	99.601	101.01	mg/L		95.3		80 - 120	
	MSD	419464-01RE1	3.3420	99.807	101.01	mg/L	0.2	95.5	10	80 - 120	
QC Batch ID: BXH2457	Used client sample: N										
Total Alkalinity as CaCO3	DUP	1419501-01	94.630	93.110		mg/L	1.6		10		
QC Batch ID: BXH2458	Used client sample: Y - Description: U-7-W-140821, 08/21/2014 07:50										
Total Alkalinity as CaCO3	DUP	1419517-05	276.12	276.88		mg/L	0.3		10		
QC Batch ID: BXH2721	Used client sample: N										
Total Sulfide	DUP	1419752-01	ND	ND		mg/L			10		
	MS	1419752-01	ND	0.40463	0.50000	mg/L		80.9		80 - 120	Q03
	MSD	1419752-01	ND	0.40297	0.50000	mg/L	0.4	80.6	10	80 - 120	
QC Batch ID: BXH2822	Used client sample: Y - Description: U-1R-W-140821, 08/21/2014 10:35										
Iron (II) Species	DUP	1419517-02	91355	91945		ug/L	0.6		10		A01

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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.
A10	PQL's and MDL's were raised due to matrix interference.
Q03	Matrix spike recovery(s) is(are) not within the control limits.
S05	The sample holding time was exceeded.

ATTACHMENT C
Hydrographs

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

376 Lewelling Boulevard
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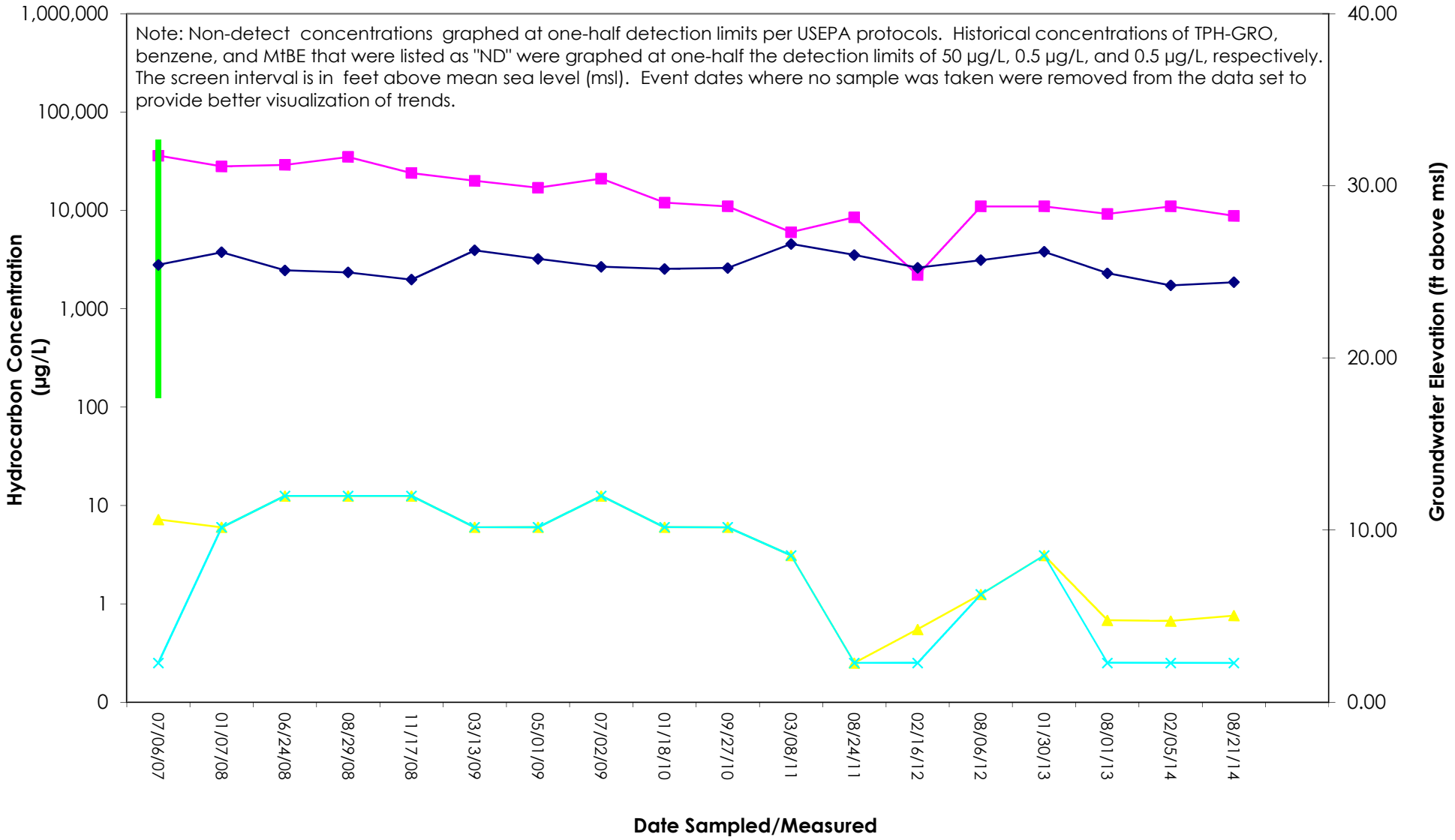
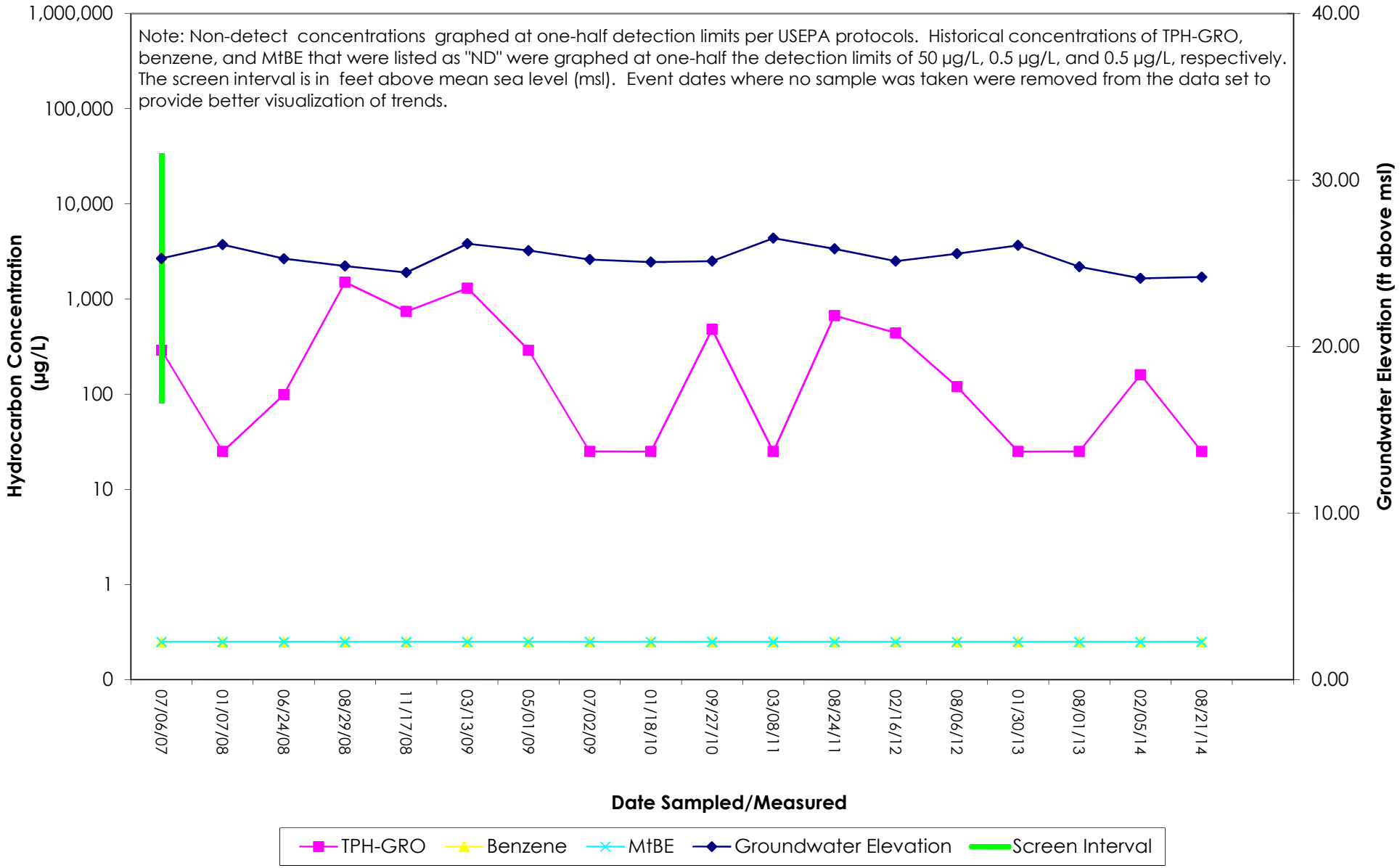


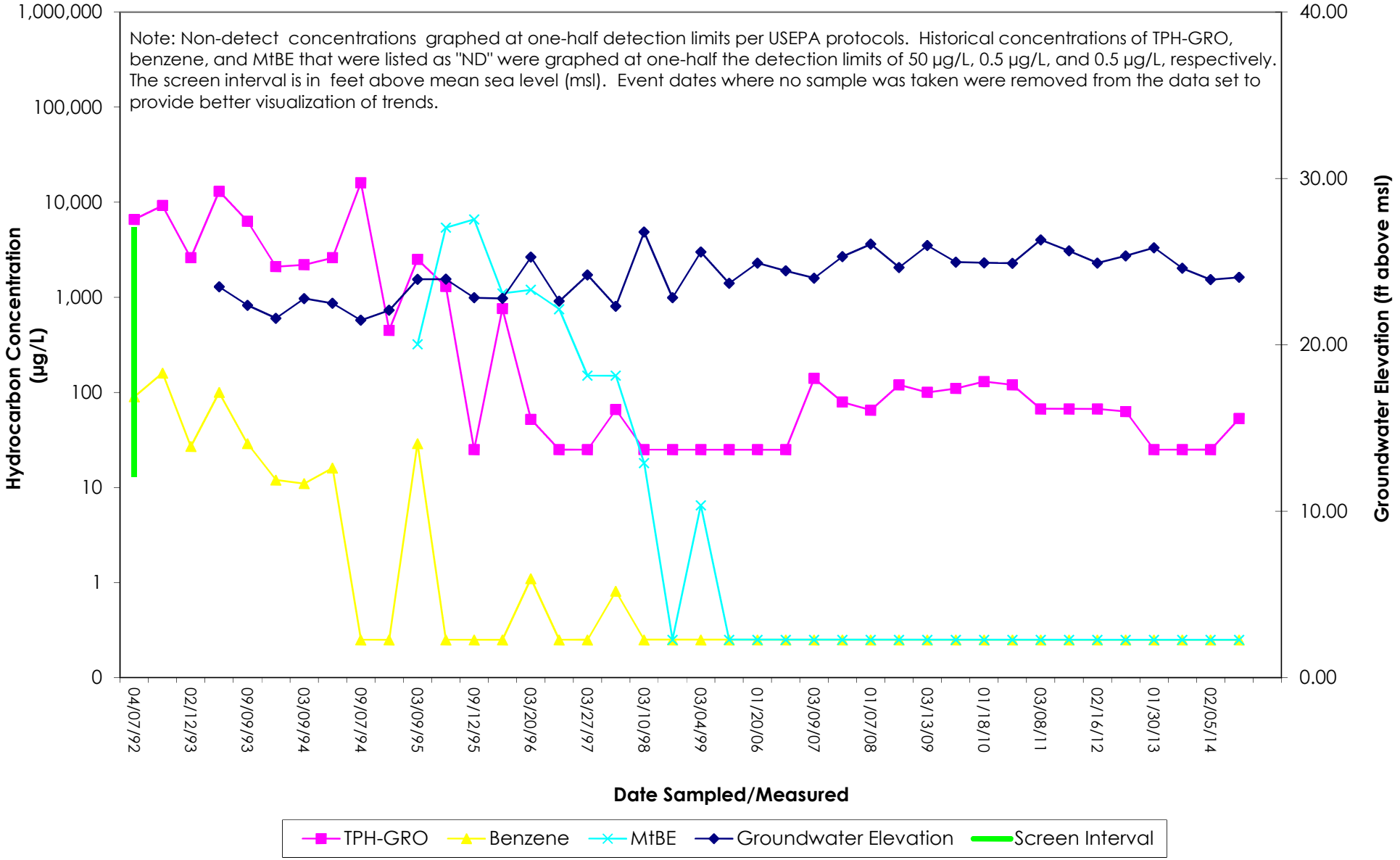
U-3R TPH-GRO, Benzene & MtBE Concentrations and Groundwater Elevations vs. Time

376 Lewelling Boulevard
San Lorenzo, California



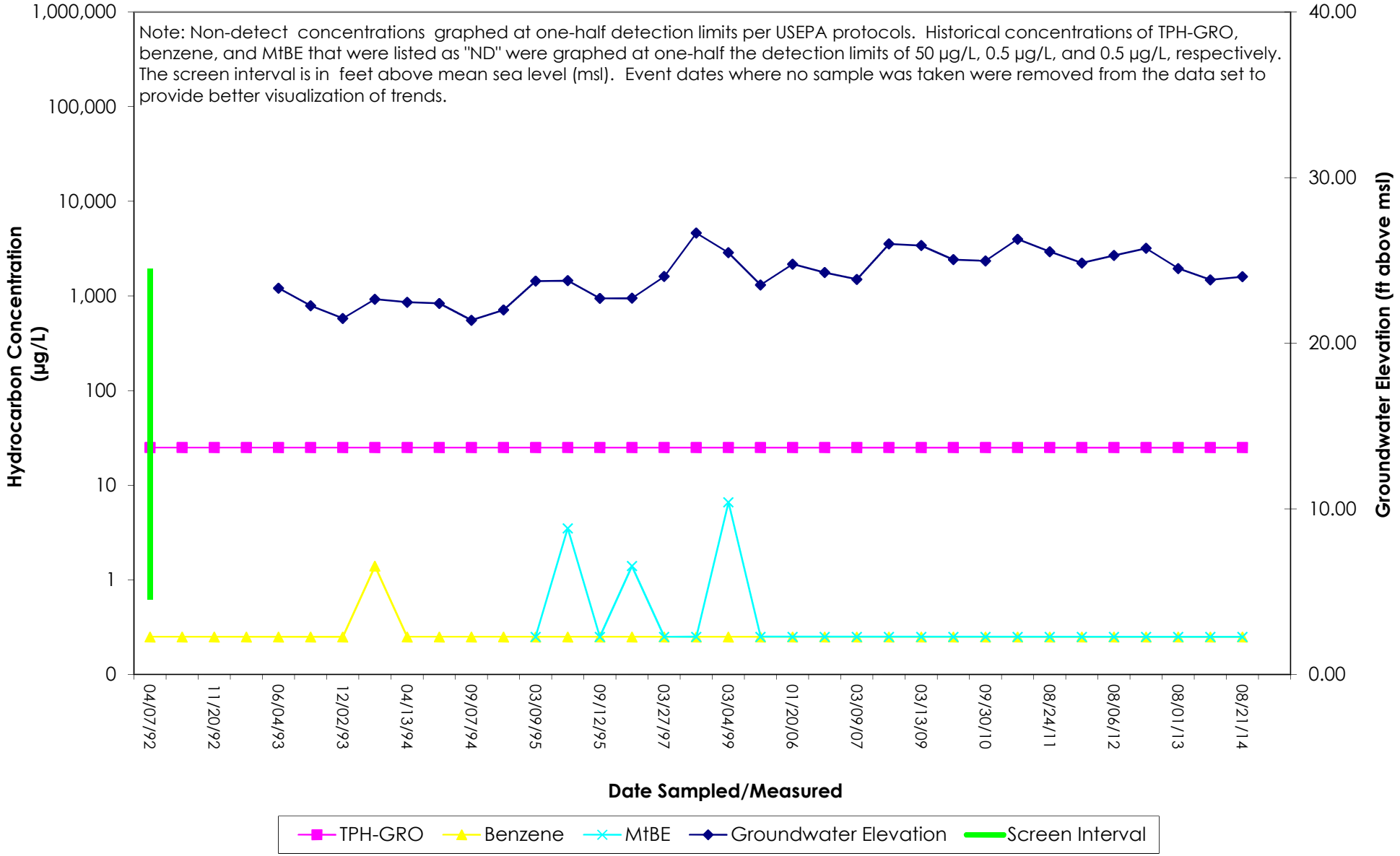
U-6 TPH-GRO, Benzene & MtBE Concentrations and Groundwater Elevations vs. Time

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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