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**Stantec**

**Third Quarter 2011 Semi-Annual  
Groundwater Monitoring Report**

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

**Submitted to:**

Ms. Barbara Jakub  
Alameda County Environmental  
Health Services  
1131 Harbor Bay Parkway, Suite 250  
Oakland, CA 94502

**Prepared for:**

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

**Submitted by:**

Stantec Consulting Corporation  
15575 Los Gatos Blvd., Building C  
Los Gatos, CA 95032

October 28, 2011



**Roya Kambin**  
Project Manager  
Marketing Business Unit

**Chevron Environmental  
Management Company**  
6101 Bollinger Canyon Road  
San Ramon, CA 94583  
Tel (925) 790-6270  
rklg@chevron.com

October 28, 2011

Ms. Barbara Jakub  
Alameda County Environmental Health Services  
1131 Harbor Bay Parkway, Suite 250  
Oakland, CA 94502

Dear Ms. Jakub:

Attached for your review is the *Third Quarter 2011 Semi-Annual Groundwater Monitoring Report* for 376 Lewelling Boulevard in San Lorenzo, California (**ACEHS File No.:** RO0000344; **Case:** Unocal #5760). This report was prepared by Stantec Consulting Corporation (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, Travis Flora, at (408) 356-6124 or [travis.flora@stantec.com](mailto:travis.flora@stantec.com).

Sincerely,

A handwritten signature in black ink, appearing to read "Roya Kambin", with a large, stylized loop at the end.

**Roya Kambin**  
Project Manager



**Stantec Consulting Corporation**  
15575 Los Gatos Boulevard, Building C  
Los Gatos, CA 95032  
Tel: (408) 356-6124  
Fax: (408) 356-6138

**Stantec**

October 28, 2011

Ms. Barbara Jakub  
Alameda County Environmental Health Services  
1131 Harbor Bay Parkway, Suite 250  
Oakland, CA 94502

RE: **Third Quarter 2011 Semi-Annual Groundwater Monitoring Report**  
376 Lewelling Boulevard  
San Lorenzo, California  
**ACEHS File No.:** RO0000344; **Case:** Unocal #5760

Dear Ms. Jakub:

On behalf of Chevron Environmental Management Company, for itself and as Attorney-in-Fact for Union Oil Company of California (hereinafter "EMC"), Stantec Consulting Corporation (Stantec) is pleased to submit the *Third Quarter 2011 Semi-Annual Groundwater Monitoring Report* for 376 Lewelling Boulevard, San Lorenzo, California (the Site - shown on **Figure 1**). The environmental case was transferred from ConocoPhillips Company to Union Oil on March 18, 2011. This report is presented in three sections: Site Background, Third Quarter 2011 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), one waste oil UST, two fuel dispenser islands, associated product piping, and a building housing two service bays. 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 a parking lot and an apartment building, and on the west by Usher Street.

## **THIRD QUARTER 2011 GROUNDWATER MONITORING AND SAMPLING PROGRAM**

TRC Solutions (TRC) performed the Third Quarter 2011 groundwater monitoring and sampling event on August 24, 2011. TRC's standard operating procedures (SOPs) and field data sheets are included in **Attachment A**. TRC gauged depth-to-groundwater in nine Site wells (U-1R, U-2, U-3R, U-4, U-5, U-6, U-7, U-8, and U-9) prior to collecting groundwater samples for laboratory analysis. Five Site wells (U-1R, U-3R, U-6, U-7, and U-8) were sampled this quarter. Wells U-2, U-4, U-5, and U-9 were gauged for depth-to-groundwater only. Wells U-2 and U-4 are used for monitoring purposes only, and wells U-5 and U-9 are scheduled to be sampled on an annual basis (during First Quarter groundwater monitoring and sampling events).

Investigation-derived waste (IDW) generated during the Third Quarter 2011 groundwater monitoring and sampling event was collected by TRC and transported to TRC's groundwater monitoring field office in Concord, California for transportation by Clean Harbors, a licensed

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carrier, to an authorized disposal facility. Currently, non-hazardous purge water is transported under a bulk non-hazardous waste manifest to the Kettleman Hills Facility in Kettleman City, California.

### Groundwater Elevation and Gradient

Well construction details and an assessment of whether groundwater samples were collected when groundwater elevations were measured across the well screen intervals are presented in **Table 1**. Current and historical groundwater elevation data are presented in **Table 2**. A groundwater elevation contour map (based on Third Quarter 2011 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 0.003 to 0.008 feet per foot (ft/ft). This is generally consistent with the historical direction of groundwater flow, as shown by the Rose Diagram illustrating the direction of groundwater flow from Fourth Quarter 2008 to the present on **Figure 3**.

### 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 or EDC), and 1,2-dibromoethane (EDB) using United States Environmental Protection Agency (US EPA) Method 8260B (SW-846). In addition, groundwater samples collected from wells U-1R and U-3R were analyzed for ethanol by US EPA Method 8260B (SW-846).

### Groundwater Analytical Results

TRC 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**. 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**. Isoconcentration maps were not developed for benzene or MtBE as concentrations were below laboratory reporting limits (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 are included in **Attachment C**. A summary of Third Quarter 2011 groundwater analytical results follows:

- **TPH-GRO** was detected in three Site wells this quarter, at concentrations of 67 micrograms per liter ( $\mu\text{g/L}$ ; well U-6), 670  $\mu\text{g/L}$  (well U-3R), and 8,500  $\mu\text{g/L}$  (well U-1R), which are within historical limits for each respective well.
- **Benzene** was not detected above the LRL (0.50  $\mu\text{g/L}$ ) in any Site well sampled this quarter.

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- **Toluene** was not detected above the LRL (0.50 µg/L) in any Site well sampled this quarter.
- **Ethylbenzene** was detected in two Site wells this quarter, at concentrations of 28 µg/L (well U-3R) and 990 µg/L (well U-1R), which are within historical limits for each respective well.
- **Total Xylenes** were detected in one Site well this quarter, at a concentration of 280 µg/L (well U-1R), which is within historical limits for this well.
- **MtBE** 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.
- **EtBE** was not detected above the LRL (0.50 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.
- **TBA** was not detected above the LRL (10 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.
- **EDB** was not detected above the LRL (0.50 µg/L) in any Site well sampled this quarter.

## CONCLUSIONS AND RECOMMENDATIONS

Concentrations of TPH-GRO, ethylbenzene, and total xylenes are above the California Regional Water Quality Control Board – San Francisco Bay Region (RWQCB) Environmental Screening Levels (ESLs) as follows:

- TPH-GRO concentrations exceed the ESL of 100 µg/L in wells U-1R and U-3R;
- The ethylbenzene concentration exceeded the ESL of 30 µg/L in well U-1R; and
- The total xylenes concentration exceeded the ESL of 20 µg/L in well U-1R.

Maximum concentrations at the Site are generally observed in wells U-1R and U-3R, which are located down-gradient of the USTs. Current and historical groundwater quality data indicate that the dissolved-phase petroleum hydrocarbon plume at the Site is generally stable or decreasing in size and concentration. All concentrations were within historical limits at all wells sampled. Concentrations of all petroleum hydrocarbons were below LRLs in two wells (U-7 and U-8). In addition, concentrations of BTEX compounds were below LRLs in well U-6 and concentrations of fuel oxygenates were below LRLs in wells U-1R, U-3R, and U-6.

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Based on continued concentrations of TPH-GRO, ethylbenzene, and total xylenes above ESLs, Stantec recommends the continuation of the semi-annual groundwater monitoring and sampling program at the Site.

As documented in the *Additional Assessment Report and Remedial Action Plan*, dated August 16, 2010, and the *Results of Flow and Transport Modeling and Off-site Well Verification Activities*, dated January 7, 2011, Stantec recommends that natural attenuation with long-term groundwater monitoring be the selected remedial approach to address residual petroleum hydrocarbons observed at the Site. Therefore, to evaluate monitored natural attenuation (MNA), Stantec recommends that the following be added to the semi-annual groundwater monitoring and sampling program at the Site during First Quarter 2012:

- Field measurements of pH, oxidation-reduction potential (ORP), dissolved oxygen (DO), conductivity, temperature, and depth-to-groundwater;
- Sulfate ( $\text{SO}_4^{2-}$ ) and nitrate ( $\text{NO}_3^-$ ) by US EPA Method 300.0;
- Ferrous iron ( $\text{Fe}^{2+}$ ) by SM20 3500-Fe B Modified;
- Methane ( $\text{CH}_4$ ) by US EPA Method 8015B Modified; and
- Alkalinity by US EPA Method 310.1.

If you have any questions regarding the contents of this report, please contact the Stantec project manager, Travis Flora, at (408) 356-6124 or [travis.flora@stantec.com](mailto:travis.flora@stantec.com).

Sincerely,

**Stantec Consulting Corporation**



Travis L. Flora  
Project Manager

### Attachments:

Table 1 – Well Details / Screen Interval Assessment – Third Quarter 2011  
Table 2 – Groundwater Monitoring Data and Analytical Results  
Table 3 – Additional Groundwater Monitoring Data and Analytical Results

Figure 1 – Site Location Map  
Figure 2 – Groundwater Elevation Contour Map – Third Quarter 2011  
Figure 3 – Rose Diagram – Third Quarter 2011  
Figure 4 – Site Plan Showing Groundwater Concentrations – Third Quarter 2011  
Figure 5 – TPH-GRO Isoconcentration Map – Third Quarter 2011

Attachment A – TRC Solutions Groundwater Monitoring Report – Third Quarter 2011  
Attachment B – Certified Laboratory Analysis Reports and Chain-of-Custody Documents  
Attachment C – Hydrographs

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**LIMITATIONS AND CERTIFICATION**

This report was prepared in accordance with the scope of work outlined in Stantec's contract and with generally accepted professional engineering and environmental consulting practices existing at the time this report was prepared and applicable to the location of the site. It was prepared for the exclusive use of Union Oil for the express purpose stated above. Any re-use of this report for a different purpose or by others not identified above shall be at the user's sole risk without liability to Stantec. To the extent that this report is based on information provided to Stantec by third parties, Stantec may have made efforts to verify this third party information, but Stantec cannot guarantee the completeness or accuracy of this information. The opinions expressed and data collected are based on the conditions of the site existing at the time of the field investigation. No other warranties, expressed or implied are made by Stantec.

**Prepared by:**



Erin O'Malley  
Staff Engineer

**Reviewed by:**



Marisa Patterson  
Associate Engineer

All information, conclusions, and recommendations provided by Stantec in this document regarding the Subject Property have been prepared under the supervision of and reviewed by the Licensed Professional whose signature appears below:

**Licensed Approver:**

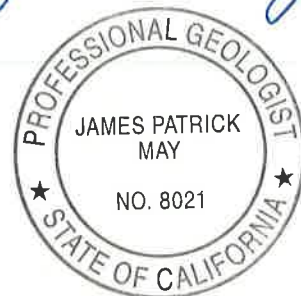
**Name:** James May, P.G.

**Date:** 28 OCT 2011

**Signature:**



**Stamp:**



cc:

Ms. Roya Kambin, Union Oil Company of California, 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

# Tables



**Table 1**  
**Well Details / Screen Interval Assessment**  
**Third Quarter 2011**  
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 (feet bgs)	Current Depth to Groundwater <sup>1</sup> (feet below TOC)	Screen Interval (feet bgs)	Screen Interval Assessment
U-1R	7/2007	Monitoring	2	42.65	25.00	24.63	16.67	10-25	Depth-to-groundwater within screen interval.
U-2	8/1990	Monitoring	3	43.65	30.00	29.85	17.04	15-30	Depth-to-groundwater data only. Depth-to-groundwater within screen interval.
U-3R	7/2007	Monitoring	2	41.58	25.00	24.96	15.71	10-25	Depth-to-groundwater within screen interval.
U-4	8/1990	Monitoring	3	42.69	28.00	27.93	16.74	15-28	Depth-to-groundwater data only. Depth-to-groundwater within screen interval.
U-5	3/1992	Monitoring	2	41.74	30.00	28.48	15.89	15-30	Depth-to-groundwater data only. Depth-to-groundwater within screen interval.
U-6	3/1992	Monitoring	2	40.07	28.00	28.30	14.42	13-28	Depth-to-groundwater within screen interval.
U-7	3/1992	Monitoring	2	39.50	35.00	34.87	13.97	15-35	Depth-to-groundwater above screen interval.
U-8	3/1992	Monitoring	2	40.95	30.00	29.79	15.09	15-30	Depth-to-groundwater within screen interval.
U-9	5/1993	Monitoring	2	39.72	28.00	28.12	14.29	13-28	Depth-to-groundwater data only. Depth-to-groundwater within screen interval.
Notes: bgs = below ground surface msl = mean sea level TOC = top of casing <sup>1</sup> = As measured prior to groundwater sampling on August 24, 2011.									

**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 8015 (µg/L)	TPH-GRO (8260B) (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MtBE (8021B) (µg/L)	MtBE (8260B) (µg/L)	Comments
<b>U-1R</b>														
7/6/2007	42.65	17.24	0	25.41	--	--	36000	7.2	8.3	2200	10000	--	ND<0.50	Gauged and sampled on 8/10/07
1/7/2008	42.65	16.51	0	26.14	0.73	--	28000	ND<12	ND<12	1900	7300	--	ND<12	
6/24/2008	42.65	17.56	0	25.09	-1.05	--	29000	ND<25	ND<25	2400	7900	--	ND<25	
8/29/2008	42.65	17.68	0	24.97	-0.12	--	35000	ND<25	ND<25	3000	8900	--	ND<25	
11/17/2008	42.65	18.10	0	24.55	-0.42	--	24000	ND<25	ND<25	2200	6300	--	ND<25	
3/13/2009	42.65	16.40	0	26.25	1.70	--	20000	ND<12	ND<12	1800	4400	--	ND<12	
5/1/2009	42.65	16.89	0	25.76	-0.49	--	17000	ND<12	ND<12	1600	3400	--	ND<12	
7/2/2009	42.65	17.35	0	25.30	-0.46	--	21000	ND<25	ND<25	1800	3500	--	ND<25	
1/18/2010	42.65	17.48	0	25.17	-0.13	--	12000	ND<12	ND<12	1200	1200	--	ND<12	
9/27/2010	42.65	17.42	0	25.23	0.06	--	11000	ND<12	ND<12	1200	970	--	ND<12	
3/8/2011	42.65	16.03	0	26.62	1.39	--	6000	ND<6.2	ND<6.2	750	270	--	ND<6.2	
8/24/2011	42.65	16.67	0	25.98	-0.64	--	8500 <sup>1</sup>	ND<0.50	ND<0.50	990 <sup>1</sup>	280 <sup>1</sup>	--	ND<0.50	
<b>U-2</b>														
8/23/1990	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
12/5/1990	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
3/4/1991	--	--	--	--	--	ND	--	ND	0.9	ND	2.6	--	--	
6/3/1991	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
9/19/1991	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
12/4/1991	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
3/5/1992	--	--	--	--	--	ND	--	ND	0.36	ND	ND	--	--	
4/7/1992	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
8/6/1992	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
11/20/1992	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
2/12/1993	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
6/4/1993	41.62	17.59	0	24.03	--	ND	--	ND	ND	ND	ND	--	--	
9/9/1993	41.62	18.68	0	22.94	-1.09	ND	--	ND	ND	ND	ND	--	--	
12/2/1993	41.26	19.23	0	22.03	-0.91	ND	--	ND	ND	ND	ND	--	--	
3/9/1994	41.26	18.05	0	23.21	1.18	62	--	1.1	5.4	1.1	9.7	--	--	
4/13/1994	41.26	18.18	0	23.08	-0.13	ND	--	ND	ND	ND	ND	--	--	
6/9/1994	41.26	18.26	0	23.00	-0.08	ND	--	ND	ND	ND	ND	--	--	
9/7/1994	41.26	19.28	0	21.98	-1.02	ND	--	ND	0.63	ND	0.61	--	--	
12/5/1994	41.26	18.82	0	22.44	0.46	ND	--	ND	ND	ND	ND	--	--	
3/9/1995	41.26	16.96	0	24.30	1.86	ND	--	ND	ND	ND	ND	ND	ND	
6/13/1995	41.26	16.71	0	24.55	0.25	ND	--	ND	ND	ND	ND	ND	ND	
9/12/1995	41.26	17.80	0	23.46	-1.09	ND	--	ND	ND	ND	ND	ND	ND	
12/14/1995	41.26	18.18	0	23.08	-0.38	ND	--	ND	ND	ND	ND	ND	ND	
3/20/1996	41.26	15.02	0	26.24	3.16	--	--	--	--	--	--	--	--	
9/24/1996	41.26	17.90	0	23.36	-2.88	--	--	--	--	--	--	--	--	
3/27/1997	41.26	16.45	0	24.81	1.45	ND	--	ND	ND	ND	ND	ND	ND	
9/23/1997	41.26	18.40	0	22.86	-1.95	--	--	--	--	--	--	--	--	
3/10/1998	41.26	13.79	0	27.47	4.61	ND	--	ND	ND	ND	ND	ND	ND	
9/4/1998	41.26	17.98	0	23.28	-4.19	--	--	--	--	--	--	--	--	
3/4/1999	41.26	14.96	0	26.30	3.02	ND	--	ND	ND	ND	ND	ND	ND	
9/13/1999	41.26	18.25	0	23.01	-3.29	--	--	--	--	--	--	--	--	
3/21/2000	41.26	15.54	0	25.72	2.71	ND	--	ND	ND	ND	ND	ND	ND	
9/18/2000	41.26	17.55	0	23.71	-2.01	--	--	--	--	--	--	--	--	
3/16/2001	41.26	17.06	0	24.20	0.49	--	--	--	--	--	--	--	--	
9/4/2001	41.26	18.39	0	22.87	-1.33	--	--	--	--	--	--	--	--	
3/18/2002	41.26	16.87	--	24.39	1.52	--	--	--	--	--	--	--	--	
9/17/2002	41.26	18.33	0	22.93	-1.46	--	--	--	--	--	--	--	--	
3/28/2003	41.26	16.95	0	24.31	1.38	--	--	--	--	--	--	--	--	
9/5/2003	41.26	18.00	0	23.26	-1.05	--	--	--	--	--	--	--	--	Monitored Only
3/4/2004	41.26	16.17	0	25.09	1.83	--	--	--	--	--	--	--	--	Monitored Only

**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 8015 (µg/L)	TPH-GRO (8260B) (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MtBE (8021B) (µg/L)	MtBE (8260B) (µg/L)	Comments
<b>U-2 continued</b>														
9/9/2004	41.26	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible-car parked on well
3/1/2005	41.26	--	--	--	--	--	--	--	--	--	--	--	--	Car parked on well
8/2/2005	41.26	16.62	0	24.64	--	--	--	--	--	--	--	--	--	Monitored only
1/20/2006	41.26	16.24	0	25.02	0.38	--	--	--	--	--	--	--	--	Monitored Only
7/11/2006	41.26	16.15	0	25.11	0.09	--	--	--	--	--	--	--	--	Monitored Only
3/9/2007	41.26	16.71	0	24.55	-0.56	--	--	--	--	--	--	--	--	Monitored Only
7/6/2007	43.65	17.80	0	25.85	1.30	--	--	--	--	--	--	--	--	Monitored Only
1/7/2008	43.65	17.73	0	25.92	0.07	--	--	--	--	--	--	--	--	Monitored Only
6/24/2008	43.65	18.00	0	25.65	-0.27	--	--	--	--	--	--	--	--	Monitored Only
8/29/2008	43.65	17.93	0	25.72	0.07	--	--	--	--	--	--	--	--	Monitored only
11/17/2008	43.65	18.85	0	24.80	-0.92	--	--	--	--	--	--	--	--	Monitored only
3/13/2009	43.65	17.20	0	26.45	1.65	--	--	--	--	--	--	--	--	Monitored only
5/1/2009	43.65	17.57	0	26.08	-0.37	--	--	--	--	--	--	--	--	Monitored only
7/2/2009	43.65	18.08	0	25.57	-0.51	--	--	--	--	--	--	--	--	Monitored only
1/18/2010	43.65	18.24	0	25.41	-0.16	--	--	--	--	--	--	--	--	Gauged only
9/27/2010	43.65	18.20	0	25.45	0.04	--	--	--	--	--	--	--	--	Gauge only
3/8/2011	43.65	16.92	0	26.73	1.28	--	--	--	--	--	--	--	--	Gauge only
<b>8/24/2011</b>	<b>43.65</b>	<b>17.04</b>	<b>0</b>	<b>26.61</b>	<b>-0.12</b>	--	--	--	--	--	--	--	--	<b>Gauge only</b>
<b>U-3R</b>														
7/6/2007	41.58	16.29	0	25.29	--	--	290	ND<0.50	ND<0.50	ND<0.50	0.99	--	ND<0.50	Gauged and sampled on 8/10/07
1/7/2008	41.58	15.46	0	26.12	0.83	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
6/24/2008	41.58	16.30	0	25.28	-0.84	--	99	ND<0.50	ND<0.50	11	2.5	--	ND<0.50	
8/29/2008	41.58	16.74	0	24.84	-0.44	--	1500	ND<0.50	ND<0.50	100	51	--	ND<0.50	
11/17/2008	41.58	17.13	0	24.45	-0.39	--	740	ND<0.50	ND<0.50	67	17	--	ND<0.50	
3/13/2009	41.58	15.40	0	26.18	1.73	--	1300	ND<0.50	ND<0.50	100	22	--	ND<0.50	
5/1/2009	41.58	15.81	0	25.77	-0.41	--	290	ND<0.50	ND<0.50	26	2.6	--	ND<0.50	
7/2/2009	41.58	16.35	0	25.23	-0.54	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
1/18/2010	41.58	16.50	0	25.08	-0.15	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
9/27/2010	41.58	16.45	0	25.13	0.05	--	480	ND<0.50	ND<0.50	33	ND<1.0	--	ND<0.50	
3/8/2011	41.58	15.07	0	26.51	1.38	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
<b>8/24/2011</b>	<b>41.58</b>	<b>15.71</b>	<b>0</b>	<b>25.87</b>	<b>-0.64</b>	--	<b>670</b>	<b>ND&lt;0.50</b>	<b>ND&lt;0.50</b>	<b>28</b>	<b>ND&lt;1.0</b>	--	<b>ND&lt;0.50</b>	
<b>U-4</b>														
8/23/1990	--	--	--	--	--	ND	--	ND	1.0	ND	1.8	--	--	
12/5/1990	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
1/18/1991	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
3/4/1991	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
6/3/1991	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
9/19/1991	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
12/4/1991	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
3/5/1992	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
4/7/1992	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
8/6/1992	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
11/20/1992	--	--	--	--	--	ND	--	ND	2.5	ND	ND	--	--	
2/12/1993	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
6/4/1993	40.53	16.73	0	23.80	--	ND	--	ND	ND	ND	ND	--	--	
9/9/1993	40.53	16.89	0	23.64	-0.16	ND	--	ND	ND	ND	ND	--	--	
12/2/1993	40.25	18.46	0	21.79	-1.85	ND	--	ND	ND	ND	2.6	--	--	
3/9/1994	40.25	17.30	0	22.95	1.16	ND	--	1.4	4.7	1.1	8.1	--	--	
4/13/1994	40.25	17.44	0	22.81	-0.14	ND	--	ND	ND	ND	ND	--	--	
6/9/1994	40.25	17.53	0	22.72	-0.09	ND	--	ND	ND	ND	ND	--	--	
9/7/1994	40.28	18.52	0	21.76	-0.96	ND	--	ND	1.1	ND	1.0	--	--	
12/5/1994	40.28	18.08	0	22.20	0.44	ND	--	ND	ND	ND	ND	--	--	

**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 8015 (µg/L)	TPH-GRO (8260B) (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MtBE (8021B) (µg/L)	MtBE (8260B) (µg/L)	Comments
<b>U-4 continued</b>														
3/9/1995	40.28	16.16	0	24.12	1.92	ND	--	ND	ND	ND	ND	ND	--	
6/13/1995	40.25	15.95	0	24.30	0.18	ND	--	ND	ND	ND	ND	ND	2.7	
9/12/1995	40.25	17.10	0	23.15	-1.15	ND	--	ND	ND	ND	ND	ND	--	
12/14/1995	40.25	17.43	0	22.82	-0.33	ND	--	ND	ND	ND	ND	1.3	--	
3/20/1996	40.25	14.93	0	25.32	2.50	--	--	--	--	--	--	--	--	
9/24/1996	40.25	17.19	0	23.06	-2.26	--	--	--	--	--	--	--	--	
3/27/1997	40.25	15.66	0	24.59	1.53	ND	--	ND	ND	ND	ND	ND	--	
9/23/1997	40.25	17.69	0	22.56	-2.03	--	--	--	--	--	--	--	--	
3/10/1998	40.25	12.99	0	27.26	4.70	ND	--	ND	ND	ND	ND	ND	--	
9/4/1998	40.25	17.28	0	22.97	-4.29	--	--	--	--	--	--	--	--	
3/4/1999	40.25	14.17	0	26.08	3.11	ND	--	ND	ND	ND	ND	ND	--	
9/13/1999	40.25	17.55	0	22.70	-3.38	--	--	--	--	--	--	--	--	
3/21/2000	40.25	14.74	0	25.51	2.81	ND	--	ND	ND	ND	ND	ND	--	
9/18/2000	40.25	16.88	0	23.37	-2.14	--	--	--	--	--	--	--	--	
3/16/2001	40.25	16.32	0	23.93	0.56	--	--	--	--	--	--	--	--	
9/4/2001	40.25	17.70	0	22.55	-1.38	--	--	--	--	--	--	--	--	
3/18/2002	40.25	16.08	--	24.17	1.62	--	--	--	--	--	--	--	--	
9/17/2002	40.25	16.56	0	23.69	-0.48	--	--	--	--	--	--	--	--	
3/28/2003	40.25	16.15	0	24.10	0.41	--	--	--	--	--	--	--	--	
9/5/2003	40.25	17.20	0	23.05	-1.05	--	--	--	--	--	--	--	--	Monitored Only
3/4/2004	40.25	15.39	0	24.86	1.81	--	--	--	--	--	--	--	--	Monitored Only
9/9/2004	40.25	16.98	0	23.27	-1.59	--	--	--	--	--	--	--	--	Monitored Only
3/1/2005	40.25	14.97	0	25.28	2.01	--	--	--	--	--	--	--	--	Monitor Only
8/2/2005	40.25	15.82	0	24.43	-0.85	--	--	--	--	--	--	--	--	Monitored Only
1/20/2006	40.25	15.04	0	25.21	0.78	--	--	--	--	--	--	--	--	Monitored Only
7/11/2006	40.25	15.38	0	24.87	-0.34	--	--	--	--	--	--	--	--	Monitored Only
3/9/2007	40.25	16.00	0	24.25	-0.62	--	--	--	--	--	--	--	--	Monitored Only
7/6/2007	42.69	17.15	0	25.54	1.29	--	--	--	--	--	--	--	--	Monitored Only
1/7/2008	42.69	16.65	0	26.04	0.50	--	--	--	--	--	--	--	--	Monitored Only
6/24/2008	42.69	17.40	0	25.29	-0.75	--	--	--	--	--	--	--	--	Monitored Only
8/29/2008	42.69	17.62	0	25.07	-0.22	--	--	--	--	--	--	--	--	Monitored only
11/17/2008	42.69	18.20	0	24.49	-0.58	--	--	--	--	--	--	--	--	Monitored only
3/13/2009	42.69	16.30	0	26.39	1.90	--	--	--	--	--	--	--	--	Monitored only
5/1/2009	42.69	16.86	0	25.83	-0.56	--	--	--	--	--	--	--	--	Monitored only
7/2/2009	42.69	17.20	0	25.49	-0.34	--	--	--	--	--	--	--	--	Monitored only
1/18/2010	42.69	17.55	0	25.14	-0.35	--	--	--	--	--	--	--	--	Gauged only
9/27/2010	42.69	17.51	0	25.18	0.04	--	--	--	--	--	--	--	--	Gauge only
3/8/2011	42.69	16.12	0	26.57	1.39	--	--	--	--	--	--	--	--	Gauge only
8/24/2011	42.69	16.74	0	25.95	-0.62	--	--	--	--	--	--	--	--	Gauge only
<b>U-5</b>														
4/7/1992	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
8/6/1992	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
11/20/1992	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
2/12/1993	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
6/4/1993	39.61	16.05	0	23.56	--	ND	--	ND	ND	ND	ND	--	--	
9/9/1993	39.61	16.90	0	22.71	-0.85	ND	--	ND	ND	ND	ND	--	--	
12/2/1993	39.31	17.66	0	21.65	-1.06	ND	--	ND	ND	ND	ND	--	--	
3/9/1994	39.31	16.45	0	22.86	1.21	71	--	1.7	6.3	1.5	10	--	--	
4/13/1994	39.31	16.64	0	22.67	-0.19	ND	--	ND	ND	ND	ND	--	--	
6/9/1994	39.31	16.70	0	22.61	-0.06	ND	--	ND	ND	ND	ND	--	--	
9/7/1994	39.31	17.73	0	21.58	-1.03	ND	--	ND	0.73	ND	0.84	--	--	
12/5/1994	39.31	17.23	0	22.08	0.50	ND	--	ND	ND	ND	ND	--	--	
3/9/1995	39.31	15.35	0	23.96	1.88	ND	--	ND	ND	ND	ND	ND	--	

**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 8015 (µg/L)	TPH-GRO (8260B) (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MtBE (8021B) (µg/L)	MtBE (8260B) (µg/L)	Comments
<b>U-5 continued</b>														
6/13/1995	39.31	15.16	0	24.15	0.19	ND	--	ND	ND	ND	ND	0.87	--	
9/12/1995	39.31	16.30	0	23.01	-1.14	ND	--	ND	ND	ND	ND	ND	ND	
12/14/1995	39.31	16.56	0	22.75	-0.26	ND	--	ND	ND	ND	ND	ND	ND	
3/20/1996	39.31	14.07	0	25.24	2.49	--	--	--	--	--	--	--	--	
9/24/1996	39.31	16.55	0	22.76	-2.48	--	--	--	--	--	--	--	--	
3/27/1997	39.31	14.85	0	24.46	1.70	ND	--	ND	ND	ND	ND	ND	ND	
9/23/1997	39.31	16.90	0	22.41	-2.05	--	--	--	--	--	--	--	--	Sampled annually
3/10/1998	39.31	12.21	0	27.10	4.69	ND	--	ND	ND	ND	ND	ND	ND	
9/4/1998	39.31	16.57	0	22.74	-4.36	--	--	--	--	--	--	--	--	
3/4/1999	39.31	13.42	0	25.89	3.15	ND	--	ND	0.67	ND	ND	ND	ND	
9/13/1999	39.31	17.02	0	22.29	-3.60	--	--	--	--	--	--	--	--	
3/21/2000	39.31	13.93	0	25.38	3.09	ND	--	ND	ND	ND	ND	ND	ND	
9/18/2000	39.31	16.17	0	23.14	-2.24	--	--	--	--	--	--	--	--	
3/16/2001	39.31	15.51	0	23.80	0.66	ND	--	ND	ND	ND	ND	ND	ND	
9/4/2001	39.31	16.88	0	22.43	-1.37	--	--	--	--	--	--	--	--	
3/18/2002	39.31	15.25	--	24.06	1.63	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	
9/17/2002	39.31	16.71	0	22.60	-1.46	--	--	--	--	--	--	--	--	Sampled annually
3/28/2003	39.31	15.21	0	24.10	1.50	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
9/5/2003	39.31	16.26	0	23.05	-1.05	--	--	--	--	--	--	--	--	Sampled annually
3/4/2004	39.31	14.79	0	24.52	1.47	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
9/9/2004	39.31	16.30	0	23.01	-1.51	--	--	--	--	--	--	--	--	Monitored Only
3/1/2005	39.31	14.38	0	24.93	1.92	--	ND<50	ND<0.50	ND<0.50	0.53	2.0	--	ND<0.50	
8/2/2005	39.31	15.02	0	24.29	-0.64	--	--	--	--	--	--	--	--	Sampled Annually
1/20/2006	39.31	14.23	0	25.08	0.79	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
7/11/2006	39.31	14.60	0	24.71	-0.37	--	--	--	--	--	--	--	--	Sampled Q1 only
3/9/2007	39.31	15.10	0	24.21	-0.50	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
7/6/2007	41.74	16.23	0	25.51	1.30	--	--	--	--	--	--	--	--	Sampled Q1 only
1/7/2008	41.74	15.81	0	25.93	0.42	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
6/24/2008	41.74	16.51	0	25.23	-0.70	--	--	--	--	--	--	--	--	Sampled Q1 only
8/29/2008	41.74	16.98	0	24.76	-0.47	--	--	--	--	--	--	--	--	Sampled Q1 only
11/17/2008	41.74	17.25	0	24.49	-0.27	--	--	--	--	--	--	--	--	Sampled Q1 only
3/13/2009	41.74	15.78	0	25.96	1.47	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
5/1/2009	41.74	16.04	0	25.70	-0.26	--	--	--	--	--	--	--	--	Sampled Q1 only
7/2/2009	41.74	16.53	0	25.21	-0.49	--	--	--	--	--	--	--	--	Sampled Q1 only
1/18/2010	41.74	16.73	0	25.01	-0.20	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
9/27/2010	41.74	16.69	0	25.05	0.04	--	--	--	--	--	--	--	--	Sampled Q1 only
3/8/2011	41.74	15.36	0	26.38	1.33	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
8/24/2011	41.74	15.89	0	25.85	-0.53	--	--	--	--	--	--	--	--	Sampled Q1 only
<b>U-6</b>														
4/7/1992	--	--	--	--	--	6600	--	90	ND	820	1200	--	--	
8/6/1992	--	--	--	--	--	9200	--	160	ND	360	150	--	--	
11/20/1992	--	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
2/12/1993	--	--	--	--	--	2600	--	27	ND	120	51	--	--	
6/4/1993	37.94	14.45	0	23.49	--	13000	--	100	38	450	320	--	--	
9/9/1993	37.94	15.56	0	22.38	-1.11	6300	--	29	ND	120	34	--	--	
12/2/1993	37.68	16.08	0	21.60	-0.78	2100	--	12	1.6	21	1.1	--	--	
3/9/1994	37.68	14.90	0	22.78	1.18	2200	--	11	8.2	24	16	--	--	
6/9/1994	37.68	15.18	0	22.50	-0.28	2600	--	16	ND	29	ND	--	--	
9/7/1994	37.68	16.20	0	21.48	-1.02	16004	--	ND	ND	ND	ND	--	--	
12/5/1994	37.68	15.60	0	22.08	0.60	450	--	ND	ND	ND	ND	--	--	
3/9/1995	37.68	13.74	0	23.94	1.86	2500	--	29	ND	70	120	320	--	
6/13/1995	37.68	13.73	0	23.95	0.01	1300	--	ND	ND	20	46	5400	--	
9/12/1995	37.68	14.85	0	22.83	-1.12	ND	--	ND	ND	ND	ND	6600	--	

**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 8015 (µg/L)	TPH-GRO (8260B) (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MtBE (8021B) (µg/L)	MtBE (8260B) (µg/L)	Comments
<b>U-6 continued</b>														
12/14/1995	37.68	14.89	0	22.79	-0.04	760	--	ND	ND	7	8.4	1100	--	
3/20/1996	37.68	12.41	0	25.27	2.48	52	--	1.1	0.98	ND	0.75	1200	--	
9/24/1996	37.68	15.06	0	22.62	-2.65	ND	--	ND	ND	ND	ND	750	--	
3/27/1997	37.68	13.48	0	24.20	1.58	ND	--	ND	ND	ND	ND	150	--	
9/23/1997	37.68	15.36	0	22.32	-1.88	66	--	0.81	ND	ND	ND	150	--	
3/10/1998	37.68	10.90	0	26.78	4.46	ND	--	ND	ND	ND	ND	18	--	
9/4/1998	37.68	14.85	0	22.83	-3.95	ND	--	ND	ND	ND	ND	ND	--	
3/4/1999	37.68	12.10	0	25.58	2.75	ND	--	ND	ND	ND	ND	6.5	--	
9/13/1999	37.68	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible covered with asphalt
3/21/2000	37.68	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible covered with asphalt
9/18/2000	37.68	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible covered with asphalt
3/16/2001	37.68	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible covered with asphalt
9/4/2001	37.68	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible covered with asphalt
3/18/2002	37.68	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible covered with asphalt
9/17/2002	37.68	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible covered with asphalt
9/5/2003	37.68	--	--	--	--	--	--	--	--	--	--	--	--	Covered with asphalt
3/4/2004	37.68	--	--	--	--	--	--	--	--	--	--	--	--	Covered with asphalt
9/9/2004	37.68	--	--	--	--	--	--	--	--	--	--	--	--	Covered with asphalt
3/1/2005	37.68	--	--	--	--	--	--	--	--	--	--	--	--	Unable to locate-Paved over
9/8/2005	37.68	13.98	0	23.70	--	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	Paved over on 8/2/05
1/20/2006	37.68	12.76	0	24.92	1.22	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
7/11/2006	37.68	13.23	0	24.45	-0.47	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
3/9/2007	37.68	13.67	0	24.01	-0.44	--	140	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
7/6/2007	40.07	14.76	0	25.31	1.30	--	79	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
1/7/2008	40.07	14.02	0	26.05	0.74	--	65	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
6/24/2008	40.07	14.98	0	25.09	-0.96	--	--	--	--	--	--	--	--	Sampled Q1 and Q3 only
8/29/2008	40.07	15.42	0	24.65	-0.44	--	120	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
11/17/2008	40.07	--	--	--	--	--	--	--	--	--	--	--	--	Car parked over well
3/13/2009	40.07	14.10	0	25.97	--	--	100	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
5/1/2009	40.07	14.52	0	25.55	-0.42	--	--	--	--	--	--	--	--	Sampled Q1 and Q3 only
7/2/2009	40.07	15.10	0	24.97	-0.58	--	110	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
1/18/2010	40.07	15.14	0	24.93	-0.04	--	130	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
9/27/2010	40.07	15.17	0	24.90	-0.03	--	120	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
3/8/2011	40.07	13.76	0	26.31	1.41	--	67	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
<b>8/24/2011</b>	<b>40.07</b>	<b>14.42</b>	<b>0</b>	<b>25.65</b>	<b>-0.66</b>	--	<b>67</b>	<b>ND&lt;0.50</b>	<b>ND&lt;0.50</b>	<b>ND&lt;0.50</b>	<b>ND&lt;1.0</b>	--	<b>ND&lt;0.50</b>	
<b>U-7</b>														
4/7/1992	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
8/6/1992	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
11/20/1992	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
2/12/1993	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
6/4/1993	37.49	14.17	0	23.32	--	ND	--	ND	ND	ND	ND	--	--	
9/9/1993	37.49	15.23	0	22.26	-1.06	ND	--	ND	ND	ND	ND	--	--	
12/2/1993	37.11	15.61	0	21.50	-0.76	ND	--	ND	ND	ND	ND	--	--	
3/9/1994	37.11	14.45	0	22.66	1.16	ND	--	1.4	4.4	0.96	7.5	--	--	
4/13/1994	37.11	14.63	0	22.48	-0.18	ND	--	ND	ND	ND	ND	--	--	
6/9/1994	37.11	14.70	0	22.41	-0.07	ND	--	ND	ND	ND	ND	--	--	
9/7/1994	37.11	15.72	0	21.39	-1.02	ND	--	ND	ND	ND	ND	--	--	
12/5/1994	37.11	15.10	0	22.01	0.62	ND	--	ND	ND	ND	ND	--	--	
3/9/1995	37.11	13.36	0	23.75	1.74	ND	--	ND	ND	ND	ND	ND	--	
6/13/1995	37.11	13.33	0	23.78	0.03	ND	--	ND	ND	ND	ND	3.5	--	
9/12/1995	37.11	14.40	0	22.71	-1.07	ND	--	ND	ND	ND	ND	ND	--	
12/14/1995	37.11	14.39	0	22.72	0.01	ND	--	ND	ND	ND	ND	1.4	--	
3/20/1996	37.11	11.96	0	25.15	2.43	--	--	--	--	--	--	--	--	

**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 8015 (µg/L)	TPH-GRO (8260B) (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MtBE (8021B) (µg/L)	MtBE (8260B) (µg/L)	Comments
<b>U-7 continued</b>														
9/24/1996	37.11	14.59	0	22.52	-2.63	--	--	--	--	--	--	--	--	
3/27/1997	37.11	13.08	0	24.03	1.51	ND	--	ND	ND	ND	ND	ND	--	
9/23/1997	37.11	14.90	0	22.21	-1.82	--	--	--	--	--	--	--	--	
3/10/1998	37.11	10.46	0	26.65	4.44	ND	--	ND	ND	ND	ND	ND	--	
9/4/1998	37.11	14.42	0	22.69	-3.96	--	--	--	--	--	--	--	--	
3/4/1999	37.11	11.64	0	25.47	2.78	ND	--	ND	ND	ND	ND	6.6	--	
9/13/1999	37.11	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible covered with asphalt
3/21/2000	37.11	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible covered with asphalt
9/18/2000	37.11	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible covered with asphalt
3/16/2001	37.11	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible covered with asphalt
9/4/2001	37.11	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible covered with asphalt
9/17/2002	37.11	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible covered with asphalt
9/5/2003	37.11	--	--	--	--	--	--	--	--	--	--	--	--	Covered with asphalt
3/4/2004	37.11	--	--	--	--	--	--	--	--	--	--	--	--	Covered with asphalt
9/9/2004	37.11	--	--	--	--	--	--	--	--	--	--	--	--	Covered with asphalt
3/1/2005	37.11	--	--	--	--	--	--	--	--	--	--	--	--	Unable to locate-Paved over
9/8/2005	37.11	13.59	0	23.52	--	--	ND<0.50	ND<0.50	0.89	ND<0.50	1.7	--	ND<0.50	Paved over on 8/2/05
1/20/2006	37.11	12.33	0	24.78	1.26	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
7/11/2006	37.11	12.84	0	24.27	-0.51	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
3/9/2007	37.11	13.25	0	23.86	-0.41	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
7/6/2007	39.50	--	--	--	--	--	--	--	--	--	--	--	--	Car over well
1/7/2008	39.50	13.50	0	26.00	--	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
6/24/2008	39.50	14.05	0	25.45	-0.55	--	--	--	--	--	--	--	--	Sampled Q1 and Q3 only
8/29/2008	39.50	--	--	--	--	--	--	--	--	--	--	--	--	Car parked over well
11/17/2008	39.50	--	--	--	--	--	--	--	--	--	--	--	--	Car parked over well
3/13/2009	39.50	13.60	0	25.90	--	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
5/1/2009	39.50	14.88	0	24.62	-1.28	--	--	--	--	--	--	--	--	Sampled Q1 and Q3 only
7/2/2009	39.50	--	--	--	--	--	--	--	--	--	--	--	--	Car parked over well
1/18/2010	39.50	14.45	0	25.05	--	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
9/30/2010	39.50	14.53	0	24.97	-0.08	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
3/8/2011	39.50	13.22	0	26.28	1.31	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
<b>8/24/2011</b>	<b>39.50</b>	<b>13.97</b>	<b>0</b>	<b>25.53</b>	<b>-0.75</b>	--	<b>ND&lt;0.50</b>	<b>ND&lt;0.50</b>	<b>ND&lt;0.50</b>	<b>ND&lt;0.50</b>	<b>ND&lt;1.0</b>	--	<b>ND&lt;0.50</b>	
<b>U-8</b>														
4/7/1992	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
8/6/1992	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
2/12/1993	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
6/4/1993	38.94	15.26	0	23.68	--	ND	--	ND	ND	ND	ND	--	--	
9/9/1993	38.94	16.38	0	22.56	-1.12	ND	--	ND	ND	ND	ND	--	--	
12/2/1993	38.57	16.80	0	21.77	-0.79	ND	--	ND	ND	ND	ND	--	--	
3/9/1994	38.57	15.62	0	22.95	1.18	ND	--	1.2	3.7	0.79	6.1	--	--	
4/13/1994	38.57	15.80	0	22.77	-0.18	ND	--	ND	0.78	ND	0.98	--	--	
6/9/1994	38.57	15.86	0	22.71	-0.06	ND	--	ND	ND	ND	ND	--	--	
9/7/1994	38.57	16.87	0	21.70	-1.01	ND	--	ND	ND	ND	ND	--	--	
12/5/1994	38.57	16.32	0	22.25	0.55	ND	--	ND	ND	ND	ND	--	--	
3/9/1995	38.57	14.56	0	24.01	1.76	ND	--	ND	ND	ND	ND	ND	--	
6/13/1995	38.57	14.40	0	24.17	0.16	ND	--	ND	ND	ND	ND	ND	--	
9/12/1995	38.57	15.50	0	23.07	-1.10	ND	--	ND	ND	ND	ND	ND	--	
12/14/1995	38.57	15.67	0	22.90	-0.17	ND	--	ND	ND	ND	ND	ND	--	
3/20/1996	38.57	13.25	0	25.32	2.42	--	--	--	--	--	--	--	--	
9/24/1996	38.57	15.75	0	22.82	-2.50	--	--	--	--	--	--	--	--	
3/27/1997	38.57	14.18	0	24.39	1.57	ND	--	ND	ND	ND	ND	ND	--	
9/23/1997	38.57	16.05	0	22.52	-1.87	--	--	--	--	--	--	--	--	Sampled annually
3/10/1998	38.57	11.63	0	26.94	4.42	ND	--	ND	ND	ND	ND	ND	--	

**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 8015 (µg/L)	TPH-GRO (8260B) (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MtBE (8021B) (µg/L)	MtBE (8260B) (µg/L)	Comments
<b>U-8 continued</b>														
9/4/1998	38.57	15.81	0	22.76	-4.18	--	--	--	--	--	--	--	--	
3/4/1999	38.57	12.81	0	25.76	3.00	ND	--	ND	ND	ND	ND	ND	ND	
9/13/1999	38.57	16.37	0	22.20	-3.56	--	--	--	--	--	--	--	--	
3/21/2000	38.57	13.25	0	25.32	3.12	ND	--	ND	ND	ND	ND	ND	ND	
9/18/2000	38.57	15.31	0	23.26	-2.06	--	--	--	--	--	--	--	--	
3/16/2001	38.57	14.71	0	23.86	0.60	ND	--	ND	ND	ND	ND	ND	ND	
9/4/2001	38.57	16.01	0	22.56	-1.30	--	--	--	--	--	--	--	--	
3/18/2002	38.57	14.46	--	24.11	1.55	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	
9/17/2002	38.57	15.93	0	22.64	-1.47	--	--	--	--	--	--	--	--	Sampled annually
3/28/2003	38.57	14.40	0	24.17	1.53	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
9/5/2003	38.57	15.46	0	23.11	-1.06	--	--	--	--	--	--	--	--	Sampled annually
3/4/2004	38.57	13.98	0	24.59	1.48	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
9/9/2004	38.57	15.53	0	23.04	-1.55	--	--	--	--	--	--	--	--	Monitored Only
3/1/2005	38.57	13.56	0	25.01	1.97	--	ND<50	ND<0.50	ND<0.50	0.80	2.8	--	ND<0.50	
8/2/2005	38.57	14.31	0	24.26	-0.75	--	--	--	--	--	--	--	--	Sampled annually
1/20/2006	38.57	13.51	0	25.06	0.80	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
7/11/2006	38.57	13.94	0	24.63	-0.43	--	--	--	--	--	--	--	--	Sampled Q1 only
3/9/2007	38.57	14.40	0	24.17	-0.46	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
7/6/2007	40.95	15.44	0	25.51	1.34	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
1/7/2008	40.95	14.79	0	26.16	0.65	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
6/24/2008	40.95	15.67	0	25.28	-0.88	--	--	--	--	--	--	--	--	Sampled Q1 and Q3 only
8/29/2008	40.95	16.11	0	24.84	-0.44	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
11/17/2008	40.95	16.48	0	24.47	-0.37	--	--	--	--	--	--	--	--	Sampled Q1 and Q3 only
3/13/2009	40.95	14.78	0	26.17	1.70	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
5/1/2009	40.95	15.20	0	25.75	-0.42	--	--	--	--	--	--	--	--	Sampled Q1 and Q3 only
7/2/2009	40.95	15.75	0	25.20	-0.55	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
1/18/2010	40.95	15.85	0	25.10	-0.10	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
9/27/2010	40.95	15.82	0	25.13	0.03	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
3/8/2011	40.95	14.45	0	26.50	1.37	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
8/24/2011	40.95	15.09	0	25.86	-0.64	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
<b>U-9</b>														
6/4/1993	37.88	14.67	0	23.21	--	2100	--	ND	ND	ND	ND	--	--	
9/9/1993	37.88	15.79	0	22.09	-1.12	1200	--	ND	ND	ND	ND	--	--	
12/2/1993	37.31	15.93	0	21.38	-0.71	ND	--	ND	ND	ND	ND	--	--	
3/9/1994	37.31	14.74	0	22.57	1.19	5700	--	ND	ND	ND	ND	--	--	
4/13/1994	37.31	14.96	0	22.35	-0.22	ND	--	ND	ND	ND	ND	--	--	
6/9/1994	37.31	15.05	0	22.26	-0.09	2900	--	ND	ND	ND	ND	--	--	
9/7/1994	37.31	16.06	0	21.25	-1.01	2700	--	ND	ND	ND	ND	--	--	
12/5/1994	37.31	15.43	0	21.88	0.63	3700	--	ND	ND	ND	ND	--	--	
3/9/1995	37.31	13.50	0	23.81	1.93	2500	--	ND	ND	ND	ND	5800	--	
6/13/1995	37.31	13.63	0	23.68	-0.13	ND	--	ND	ND	ND	ND	1200	--	
9/12/1995	37.31	14.73	0	22.58	-1.10	ND	--	ND	ND	ND	ND	1600	--	
12/14/1995	37.31	14.67	0	22.64	0.06	ND	--	ND	ND	ND	ND	4400	--	
3/20/1996	37.31	12.27	0	25.04	2.40	ND	--	ND	ND	ND	ND	480	--	
9/24/1996	37.31	14.92	0	22.39	-2.65	ND	--	ND	ND	ND	ND	ND	--	
3/27/1997	37.31	13.36	0	23.95	1.56	ND	--	ND	ND	ND	ND	42	--	
9/23/1997	37.31	15.28	0	22.03	-1.92	ND	--	ND	ND	ND	ND	ND	--	
3/10/1998	37.31	10.86	0	26.45	4.42	ND	--	ND	ND	ND	3.1	ND	--	
9/4/1998	37.31	15.03	0	22.28	-4.17	ND	--	ND	ND	ND	ND	ND	--	
3/4/1999	37.31	11.95	0	25.36	3.08	ND	--	ND	ND	ND	ND	ND	--	
9/13/1999	37.31	15.61	0	21.70	-3.66	ND	--	ND	1.67	ND	1.01	7.85	--	
3/21/2000	37.31	12.38	0	24.93	3.23	ND	--	ND	ND	ND	ND	ND	--	
9/18/2000	37.31	14.87	0	22.44	-2.49	ND	--	ND	1.42	ND	1.06	ND	--	



**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 8015 (µg/L)	TPH-GRO (8260B) (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MtBE (8021B) (µg/L)	MtBE (8260B) (µg/L)	Comments
<b>U-9 continued</b>														
3/16/2001	37.31	13.85	0	23.46	1.02	ND	--	ND	ND	ND	ND	ND	--	
9/4/2001	37.31	15.22	0	22.09	-1.37	--	--	--	--	--	--	--	--	Sampled annually
3/18/2002	37.31	13.56	--	23.75	1.66	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	
9/17/2002	37.31	15.14	0	22.17	-1.58	--	--	--	--	--	--	--	--	Sampled annually
3/28/2003	37.31	13.61	0	23.70	1.53	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
9/5/2003	37.31	14.64	0	22.67	-1.03	--	--	--	--	--	--	--	--	Sampled annually
3/4/2004	37.31	13.07	0	24.24	1.57	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
9/9/2004	37.31	14.75	0	22.56	-1.68	--	--	--	--	--	--	--	--	Monitored Only
3/1/2005	37.31	12.68	0	24.63	2.07	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	4.1	
8/2/2005	37.31	13.47	0	23.84	-0.79	--	--	--	--	--	--	--	--	Sampled annually
1/20/2006	37.31	12.61	0	24.70	0.86	--	ND<50	ND<0.50	ND<0.50	0.78	2.8	--	ND<0.50	
7/11/2006	37.31	13.10	0	24.21	-0.49	--	--	--	--	--	--	--	--	Sampled Q1 only
3/9/2007	37.31	13.55	0	23.76	-0.45	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
7/6/2007	39.72	14.63	0	25.09	1.33	--	--	--	--	--	--	--	--	Sampled Q1 only
1/7/2008	39.72	13.85	0	25.87	0.78	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
6/24/2008	39.72	14.89	0	24.83	-1.04	--	--	--	--	--	--	--	--	Sampled Q1 only
8/29/2008	39.72	15.32	0	24.40	-0.43	--	--	--	--	--	--	--	--	Sampled Q1 only
11/17/2008	39.72	15.70	0	24.02	-0.38	--	--	--	--	--	--	--	--	Sampled Q1 only
3/13/2009	39.72	13.90	0	25.82	1.80	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
5/1/2009	39.72	14.37	0	25.35	-0.47	--	--	--	--	--	--	--	--	Sampled Q1 only
7/2/2009	39.72	14.90	0	24.82	-0.53	--	--	--	--	--	--	--	--	Sampled Q1 only
1/18/2010	39.72	14.97	0	24.75	-0.07	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
9/27/2010	39.72	15.02	0	24.70	-0.05	--	--	--	--	--	--	--	--	Sampled Q1 only
3/8/2011	39.72	13.60	0	26.12	1.42	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
8/24/2011	39.72	14.29	0	25.43	-0.69	--	--	--	--	--	--	--	--	<b>Sampled Q1 only</b>
<b>U-1</b>														
2/9/1988	--	--	--	--	--	93000	--	3600	11000	--	20000	--	--	
3/20/1990	--	--	--	--	--	36000	--	2100	5500	1900	9300	--	--	
6/5/1990	--	--	--	--	--	46000	--	2300	5500	2500	11000	--	--	
8/24/1990	--	--	--	--	--	27000	--	1200	1800	1400	5500	--	--	
12/5/1990	--	--	--	--	--	--	--	--	--	--	--	--	--	Not sampled due to free product
3/4/1991	--	--	--	--	--	--	--	--	--	--	--	--	--	Not sampled due to free product
6/3/1991	--	--	--	--	--	--	--	--	--	--	--	--	--	Not sampled due to free product
9/19/1991	--	--	--	--	--	--	--	--	--	--	--	--	--	Not sampled due to free product
12/4/1991	--	--	--	--	--	--	--	--	--	--	--	--	--	Not sampled due to free product
3/5/1992	--	--	--	--	--	--	--	--	--	--	--	--	--	Not sampled due to free product
4/7/1992	--	--	--	--	--	--	--	--	--	--	--	--	--	Not sampled due to free product
8/6/1992	--	--	--	--	--	--	--	--	--	--	--	--	--	Not sampled due to free product
11/20/1992	--	--	--	--	--	--	--	--	--	--	--	--	--	Not sampled due to free product
2/12/1993	--	--	--	--	--	70000	--	2200	8400	3100	18000	--	--	
6/4/1993	40.51	16.72	0	23.79	--	35000	--	1300	5700	900	9200	--	--	
9/9/1993	40.51	17.77	0	22.74	-1.05	67000	--	2900	18000	6200	32000	--	--	
12/2/1993	40.20	18.36	0.01	21.85	-0.89	--	--	--	--	--	--	--	--	Not sampled due to free product
3/9/1994	40.20	17.20	0	23.00	1.15	45000	--	930	4100	2000	11000	--	--	
6/9/1994	40.20	17.42	0	22.78	-0.22	59000	--	5200	1300	5200	15000	--	--	
9/7/1994	40.20	18.17	0	22.03	-0.75	41000	--	1600	6200	3100	16000	--	--	
12/5/1994	40.20	16.67	0	23.53	1.50	1300	--	55	20	16	330	--	--	
3/9/1995	40.20	15.82	0	24.38	0.85	49000	--	860	3200	1900	10000	1500	--	
6/13/1995	40.20	14.70	0	25.50	1.12	53000	--	1400	5000	2500	14000	2800	--	
9/12/1995	40.01	16.77	0	23.24	-2.26	43000	--	910	2700	1700	9600	1400	--	
12/14/1995	40.20	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible; system not running
3/20/1996	40.20	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible; system not running
3/22/1996	40.20	--	--	--	--	13000	--	200	590	640	4000	790	--	

**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 8015 (µg/L)	TPH-GRO (8260B) (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MtBE (8021B) (µg/L)	MtBE (8260B) (µg/L)	Comments
<b>U-1 continued</b>														
9/24/1996	40.20	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible; system not running
3/27/1997	40.20	15.29	0	24.91	--	1300	--	8	ND	ND	400	ND	--	
9/23/1997	40.20	17.20	0	23.00	-1.91	2000	--	15	ND	ND	530	ND	--	
3/10/1998	40.20	12.68	0	27.52	4.52	2200	--	19	4.8	ND	980	38	--	
9/4/1998	40.20	16.84	0	23.36	-4.16	5300	--	53	ND	410	620	ND	--	
3/4/1999	40.20	13.04	0	27.16	3.80	1500	--	19	ND	56	110	310	--	
9/13/1999	40.20	17.14	0	23.06	-4.10	5850	--	32.7	ND	520	925	ND	--	
3/21/2000	40.20	14.36	0	25.84	2.78	4820	--	17.4	7.74	297	1370	ND	--	
9/18/2000	40.20	16.72	0	23.48	-2.36	647	--	6.44	ND	22.3	6.86	22.2	--	
10/13/2000	40.20	16.85	0	23.35	-0.13	--	--	--	--	--	--	--	29	
3/16/2001	40.20	15.84	0	24.36	1.01	4950	--	1.73	1.77	429	536	613	--	
9/4/2001	40.20	17.16	0	23.04	-1.32	11000	--	25	ND<10	1100	1800	370	--	
3/18/2002	40.20	15.60	--	24.60	1.56	8100	--	ND<20	ND<20	740	1300	ND<200	--	
9/17/2002	40.20	17.35	0	22.85	-1.75	--	4200	ND<2.5	ND<2.5	120	43	--	280	
3/28/2003	40.20	15.72	0	24.48	1.63	--	560	ND<0.50	ND<0.50	0.96	ND<1.0	--	69	
9/5/2003	40.20	16.77	--	23.43	-1.05	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2	
3/4/2004	40.20	14.64	0	25.56	2.13	--	20000	ND<20	ND<20	1900	8300	--	ND<80	
9/9/2004	40.20	16.64	0	23.56	-2.00	--	22000	ND<20	ND<20	1800	6100	--	ND<20	
3/1/2005	40.20	14.70	0	25.50	1.94	--	25000	ND<13	ND<13	1900	6800	--	ND<13	
8/2/2005	40.20	15.44	0	24.76	-0.74	--	11000	ND<10	ND<10	780	2600	--	ND<10	
1/20/2006	40.20	14.66	0	25.54	0.78	--	65000	5.0	ND<0.50	5000	18000	--	2.6	
7/11/2006	40.20	15.01	0	25.19	-0.35	--	9200	ND<50	ND<50	680	2400	--	ND<50	
3/9/2007	40.20	15.52	0	24.68	-0.51	--	15000	6.7	ND<5.0	890	3200	--	ND<5.0	
7/6/2007	40.20	--	--	--	--	--	--	--	--	--	--	--	--	Abandoned on 7/18/07
<b>U-3</b>														
8/23/1990	--	--	--	--	--	110000	--	4400	13000	2800	17000	--	--	
12/5/1990	--	--	--	--	--	69000	--	1900	3500	1600	9800	--	--	
1/18/1991	--	--	--	--	--	51000	--	1700	3100	1500	7500	--	--	
3/4/1991	--	--	--	--	--	84000	--	1400	10000	2900	17000	--	--	
6/3/1991	--	--	--	--	--	130000	--	5800	19000	4600	24000	--	--	
9/19/1991	--	--	--	--	--	61000	--	3300	9700	2800	15000	--	--	
12/4/1991	--	--	--	--	--	75000	--	2500	6100	1900	11000	--	--	
3/5/1992	--	--	--	--	--	160000	--	5300	15000	5400	26000	--	--	
4/7/1992	--	--	--	--	--	97000	--	6100	16000	5400	28000	--	--	
8/6/1992	--	--	--	--	--	140000	--	5100	13000	5000	23000	--	--	
11/20/1992	--	--	--	--	--	50000	--	3200	4700	1900	10000	--	--	
2/12/1993	--	--	--	--	--	80000	--	3700	9400	3700	18000	--	--	
6/4/1993	39.64	15.48	0	24.16	--	92000	--	2900	8700	4300	20000	--	--	
9/9/1993	39.64	17.04	0	22.60	-1.56	110000	--	2800	10000	6500	31000	--	--	
12/2/1993	39.26	17.55	0	21.71	-0.89	110000	--	3200	7700	5600	26000	--	--	
3/9/1994	39.26	16.35	0	22.91	1.20	120000	--	4500	8300	5600	28000	--	--	
6/9/1994	39.26	16.60	0	22.66	-0.25	120000	--	3300	6100	5200	26000	--	--	
9/7/1994	39.26	17.61	0	21.65	-1.01	100000	--	2400	4900	4200	21000	--	--	
12/5/1994	39.26	17.08	0	22.18	0.53	140000	--	3100	5100	4900	21000	--	--	
3/9/1995	39.26	15.20	0	24.06	1.88	100000	--	2300	3300	4800	21000	54000	--	
6/13/1995	39.26	15.11	0	24.15	0.09	64000	--	1700	1500	3800	18000	900	--	
9/12/1995	39.26	16.11	0	23.15	-1.00	69000	--	1700	820	4000	19000	29000	--	
12/14/1995	39.26	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible; system not running
3/20/1996	39.26	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible; system not running
3/22/1996	39.26	--	--	--	--	15000	--	150	490	480	3100	400	--	
9/24/1996	39.26	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible; system not running
3/27/1997	39.26	14.77	0	24.49	--	110	--	ND	ND	ND	0.62	9.6	--	
9/23/1997	39.26	16.74	0	22.52	-1.97	ND	--	ND	ND	ND	ND	ND	--	

**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 8015 (µg/L)	TPH-GRO (8260B) (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MtBE (8021B) (µg/L)	MtBE (8260B) (µg/L)	Comments
<b>U-3 continued</b>														
3/10/1998	39.26	12.18	0	27.08	4.56	ND	--	ND	ND	ND	3.1	ND	--	
9/4/1998	39.26	16.46	0	22.80	-4.28	ND	--	ND	ND	1.2	2.3	ND	--	
3/4/1999	39.26	13.48	0	25.78	2.98	ND	--	ND	ND	ND	ND	ND	--	
9/13/1999	39.26	16.71	0	22.55	-3.23	ND	--	ND	1.77	ND	1.06	9.08	--	
3/21/2000	39.26	13.87	--	25.39	2.84	18700	--	ND	ND	1290	4770	ND	--	
9/18/2000	39.26	16.12	0	23.14	-2.25	ND	--	ND	ND	ND	ND	ND	--	
3/16/2001	39.26	15.35	0	23.91	0.77	2310	--	ND	ND	184	618	ND	--	
9/4/2001	39.26	16.71	0	22.55	-1.36	340	--	0.95	ND<0.50	8.1	18	ND<5.0	--	
3/18/2002	39.26	15.11	--	24.15	1.60	6500	--	ND<10	ND<10	390	1400	ND<100	--	
9/17/2002	39.26	17.67	0	21.59	-2.56	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	2.0	
3/28/2003	39.26	15.25	0	24.01	2.42	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
9/5/2003	39.26	16.30	0	22.96	-1.05	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
3/4/2004	39.26	14.11	0	25.15	2.19	--	14000	ND<10	ND<10	940	3500	--	ND<40	
9/9/2004	39.26	16.22	0	23.04	-2.11	--	1300	ND<2.5	ND<2.5	66	160	--	ND<2.5	
3/1/2005	39.26	14.18	0	25.08	2.04	--	14000	ND<5.0	ND<5.0	690	2000	--	ND<5.0	
8/2/2005	39.26	14.93	0	24.33	-0.75	--	6300	ND<2.5	ND<2.5	320	970	--	ND<2.5	
1/20/2006	39.26	14.14	0	25.12	0.79	--	7600	ND<0.50	ND<0.50	390	890	--	ND<0.50	
7/11/2006	39.26	14.52	0	24.74	-0.38	--	3800	ND<5.0	ND<5.0	190	420	--	ND<5.0	
3/9/2007	39.26	15.05	0	24.21	-0.53	--	3800	ND<2.5	ND<2.5	130	240	--	ND<2.5	
7/6/2007	39.26	16.17	0	23.09	-1.12	--	390	ND<0.50	ND<0.50	11	16	--	ND<0.50	Abandoned on 7/19/07

**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

<sup>1</sup> = Laboratory report indicates PQL's and MDL's were raised due to sample dilution.

**Table 3**  
**Additional Groundwater Monitoring Data and Analytical Results**  
**376 Lewelling Boulevard, San Lorenzo, CA**

Date Sampled	TBA (8260B) (µg/L)	Ethanol (8260B) (µg/L)	EDB (8260B) (µg/L)	EDB (504) (µg/L)	1,2-DCA (EDC) (8260B) (µg/L)	DIPE (8260B) (µg/L)	EtBE (8260B) (µg/L)	TAME (8260B) (µg/L)	1,1-DCA (µg/L)	Post-purge Dissolved Oxygen (mg/L)	Pre-purge Dissolved Oxygen (mg/L)
<b>U-1R</b>											
7/6/2007	--	ND<250	--	--	--	--	--	--	--	--	--
1/7/2008	--	ND<6200	--	--	--	--	--	--	--	--	--
6/24/2008	--	ND<12000	--	--	--	--	--	--	--	--	--
8/29/2008	ND<500	ND<12000	ND<25	--	ND<25	ND<25	ND<25	ND<25	--	--	--
11/17/2008	ND<500	ND<12000	ND<25	--	ND<25	ND<25	ND<25	ND<25	--	--	--
3/13/2009	ND<250	ND<6200	ND<12	--	ND<12	ND<12	ND<12	ND<12	--	--	--
5/1/2009	ND<250	--	ND<12	--	ND<12	ND<12	ND<12	ND<12	--	--	--
7/2/2009	ND<500	ND<12000	ND<25	--	ND<25	ND<25	ND<25	ND<25	--	--	--
1/18/2010	ND<250	ND<6200	ND<12	--	ND<12	ND<12	ND<12	ND<12	--	--	--
9/27/2010	ND<250	ND<6200	ND<12	ND<0.010	ND<12	ND<12	ND<12	ND<12	--	--	--
3/8/2011	ND<120	ND<3100	ND<6.2	--	ND<6.2	ND<6.2	ND<6.2	ND<0.50	--	--	--
<b>8/24/2011</b>	<b>ND&lt;10</b>	<b>ND&lt;250</b>	<b>ND&lt;0.50</b>	--	<b>ND&lt;0.50</b>	<b>ND&lt;0.50</b>	<b>ND&lt;0.50</b>	<b>ND&lt;0.50</b>	--	--	--
<b>U-2</b>											
3/27/1997	--	--	--	--	--	--	--	--	--	4.49	4.36
<b>U-3R</b>											
7/6/2007	--	ND<250	--	--	--	--	--	--	--	--	--
1/7/2008	--	ND<250	--	--	--	--	--	--	--	--	--
6/24/2008	--	ND<250	--	--	--	--	--	--	--	--	--
8/29/2008	ND<10	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--
11/17/2008	ND<10	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--
3/13/2009	ND<10	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--
5/1/2009	ND<10	--	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--
7/2/2009	ND<10	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--
1/18/2010	ND<10	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--
9/27/2010	ND<10	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--
3/8/2011	ND<10	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--
<b>8/24/2011</b>	<b>ND&lt;10</b>	<b>ND&lt;250</b>	<b>ND&lt;0.50</b>	--	<b>ND&lt;0.50</b>	<b>ND&lt;0.50</b>	<b>ND&lt;0.50</b>	<b>ND&lt;0.50</b>	--	--	--
<b>U-4</b>											
3/27/1997	--	--	--	--	--	--	--	--	--	3.26	3.32

**Table 3**  
**Additional Groundwater Monitoring Data and Analytical Results**  
**376 Lewelling Boulevard, San Lorenzo, CA**

Date Sampled	TBA (8260B) (µg/L)	Ethanol (8260B) (µg/L)	EDB (8260B) (µg/L)	EDB (504) (µg/L)	1,2-DCA (EDC) (8260B) (µg/L)	DIPE (8260B) (µg/L)	EtBE (8260B) (µg/L)	TAME (8260B) (µg/L)	1,1-DCA (µg/L)	Post-purge Dissolved Oxygen (mg/L)	Pre-purge Dissolved Oxygen (mg/L)
<b>U-5</b>											
3/27/1997	--	--	--	--	--	--	--	--	--	3.77	3.74
3/4/2004	--	ND<500	--	--	--	--	--	--	--	--	--
3/1/2005	--	ND<50	--	--	--	--	--	--	--	--	--
1/20/2006	--	ND<250	--	--	--	--	--	--	--	--	--
3/9/2007	--	ND<250	--	--	--	--	--	--	--	--	--
1/7/2008	--	ND<250	--	--	--	--	--	--	--	--	--
3/13/2009	ND<10	--	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--
1/18/2010	ND<10	--	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--
3/8/2011	ND<10	--	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--
<b>U-6</b>											
3/20/1996	--	--	--	--	--	--	--	--	--	3.89	3.85
9/24/1996	--	--	--	--	--	--	--	--	--	3.81	3.73
3/27/1997	--	--	--	--	--	--	--	--	--	4.36	4.43
9/23/1997	--	--	--	--	--	--	--	--	--	4.14	--
3/10/1998	--	--	--	--	--	--	--	--	--	3.95	--
9/8/2005	--	ND<1000	--	--	--	--	--	--	--	--	--
1/20/2006	--	ND<250	--	--	--	--	--	--	--	--	--
7/11/2006	--	ND<250	--	--	--	--	--	--	--	--	--
3/9/2007	--	ND<250	--	--	--	--	--	--	--	--	--
7/6/2007	--	ND<250	--	--	--	--	--	--	--	--	--
1/7/2008	--	ND<250	--	--	--	--	--	--	--	--	--
8/29/2008	ND<10	--	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--
3/13/2009	ND<10	--	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--
7/2/2009	ND<10	--	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--
1/18/2010	ND<10	--	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--
9/27/2010	ND<10	--	ND<0.50	ND<0.010	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--
3/8/2011	ND<10	--	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--
<b>8/24/2011</b>	<b>ND&lt;10</b>	--	<b>ND&lt;0.50</b>	--	<b>ND&lt;0.50</b>	<b>ND&lt;0.50</b>	<b>ND&lt;0.50</b>	<b>ND&lt;0.50</b>	--	--	--
<b>U-7</b>											
3/27/1997	--	--	--	--	--	--	--	--	--	3.38	3.29
9/8/2005	--	ND<1000	--	--	--	--	--	--	--	--	--
1/20/2006	--	ND<250	--	--	--	--	--	--	--	--	--
7/11/2006	--	ND<250	--	--	--	--	--	--	--	--	--
3/9/2007	--	ND<250	--	--	--	--	--	--	--	--	--

**Table 3**  
**Additional Groundwater Monitoring Data and Analytical Results**  
**376 Lewelling Boulevard, San Lorenzo, CA**

Date Sampled	TBA (8260B) (µg/L)	Ethanol (8260B) (µg/L)	EDB (8260B) (µg/L)	EDB (504) (µg/L)	1,2-DCA (EDC) (8260B) (µg/L)	DIPE (8260B) (µg/L)	EtBE (8260B) (µg/L)	TAME (8260B) (µg/L)	1,1-DCA (µg/L)	Post-purge Dissolved Oxygen (mg/L)	Pre-purge Dissolved Oxygen (mg/L)
<b>U-7 continued</b>											
1/7/2008	--	ND<250	--	--	--	--	--	--	--	--	--
3/13/2009	ND<10	--	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--
1/18/2010	ND<10	--	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--
9/30/2010	ND<10	--	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--
3/8/2011	ND<10	--	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--
<b>8/24/2011</b>	<b>ND&lt;10</b>	--	<b>ND&lt;0.50</b>	--	<b>ND&lt;0.50</b>	<b>ND&lt;0.50</b>	<b>ND&lt;0.50</b>	<b>ND&lt;0.50</b>	--	--	--
<b>U-8</b>											
3/27/1997	--	--	--	--	--	--	--	--	--	3.11	3.04
3/4/2004	--	ND<500	--	--	--	--	--	--	--	--	--
3/1/2005	--	ND<50	--	--	--	--	--	--	--	--	--
1/20/2006	--	ND<250	--	--	--	--	--	--	--	--	--
3/9/2007	--	ND<250	--	--	--	--	--	--	--	--	--
7/6/2007	--	ND<250	--	--	--	--	--	--	--	--	--
1/7/2008	--	ND<250	--	--	--	--	--	--	--	--	--
8/29/2008	ND<10	--	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--
3/13/2009	ND<10	--	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--
7/2/2009	ND<10	--	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--
1/18/2010	ND<10	--	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--
9/27/2010	ND<10	--	ND<0.50	ND<0.010	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--
3/8/2011	ND<10	--	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--
<b>8/24/2011</b>	<b>ND&lt;10</b>	--	<b>ND&lt;0.50</b>	--	<b>ND&lt;0.50</b>	<b>ND&lt;0.50</b>	<b>ND&lt;0.50</b>	<b>ND&lt;0.50</b>	--	--	--
<b>U-9</b>											
3/20/1996	--	--	--	--	--	--	--	--	--	4	4.02
9/24/1996	--	--	--	--	--	--	--	--	--	3.98	3.85
3/27/1997	--	--	--	--	--	--	--	--	--	3.57	3.65
9/23/1997	--	--	--	--	--	--	--	--	--	3.8	--
3/10/1998	--	--	--	--	--	--	--	--	--	3.62	--
3/4/2004	--	ND<500	--	--	--	--	--	--	--	--	--
3/1/2005	--	ND<50	--	--	--	--	--	--	--	--	--
1/20/2006	--	ND<250	--	--	--	--	--	--	--	--	--
3/9/2007	--	ND<250	--	--	--	--	--	--	--	--	--
1/7/2008	--	ND<250	--	--	--	--	--	--	--	--	--
3/13/2009	ND<10	--	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--

**Table 3**  
**Additional Groundwater Monitoring Data and Analytical Results**  
**376 Lewelling Boulevard, San Lorenzo, CA**

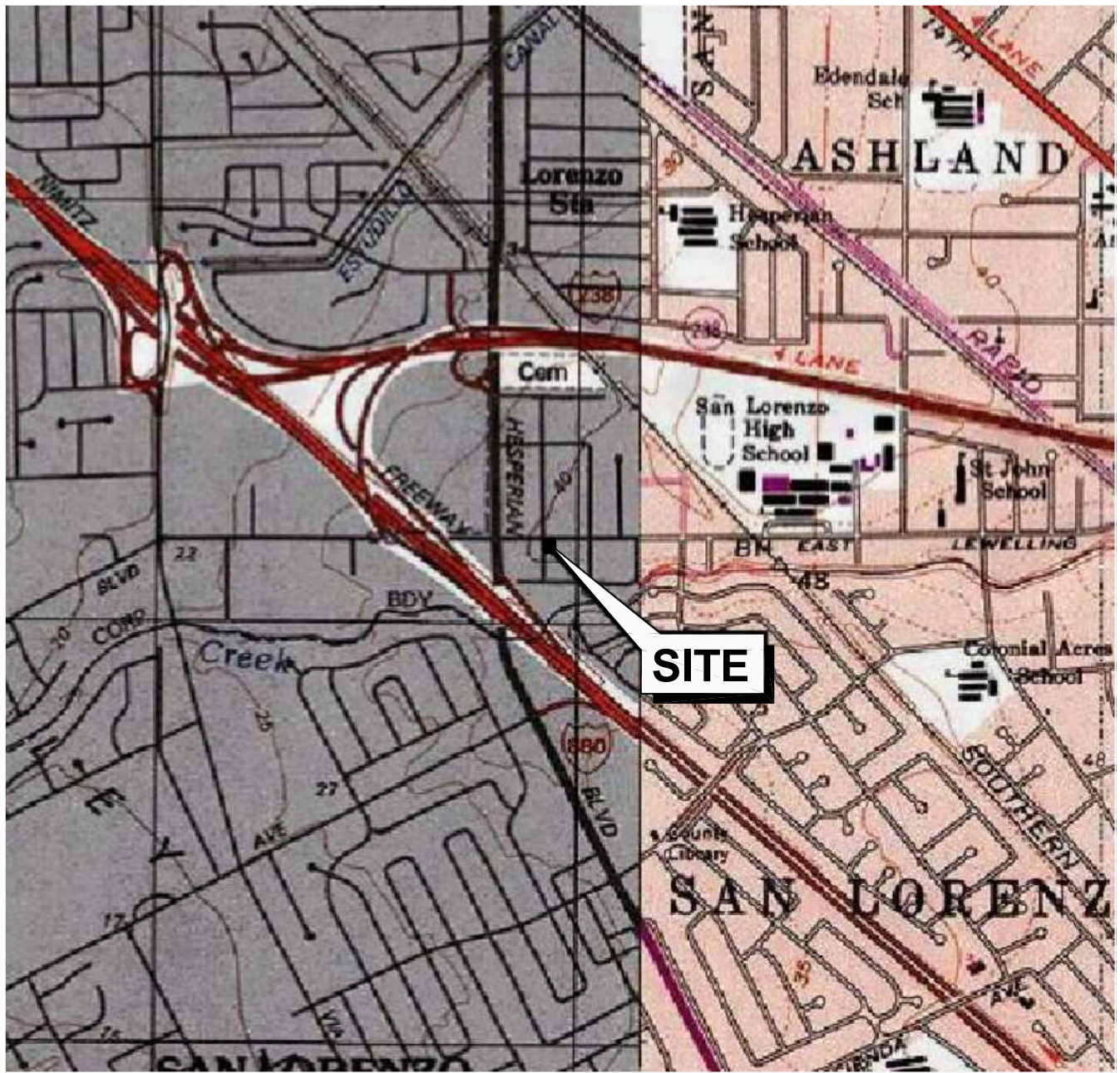
Date Sampled	TBA (8260B) (µg/L)	Ethanol (8260B) (µg/L)	EDB (8260B) (µg/L)	EDB (504) (µg/L)	1,2-DCA (EDC) (8260B) (µg/L)	DIPE (8260B) (µg/L)	EtBE (8260B) (µg/L)	TAME (8260B) (µg/L)	1,1-DCA (µg/L)	Post-purge Dissolved Oxygen (mg/L)	Pre-purge Dissolved Oxygen (mg/L)
<b>U-9 continued</b>											
1/18/2010	ND<10	--	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--
3/8/2011	ND<10	--	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--
<b>U-1</b>											
3/27/1997	--	--	--	--	--	--	--	--	--	2.35	2.41
10/13/2000	ND	ND	ND	--	--	ND	ND	ND	ND	--	--
9/17/2002	ND<500	ND<2500	ND<10	--	--	ND<10	ND<10	ND<10	ND<10	--	--
9/5/2003	--	ND<500	--	--	--	--	--	--	--	--	--
3/4/2004	--	ND<20000	--	--	--	--	--	--	--	--	--
9/9/2004	--	ND<2000	--	--	--	--	--	--	--	--	--
3/1/2005	--	ND<1300	--	--	--	--	--	--	--	--	--
8/2/2005	--	ND<1000	--	--	--	--	--	--	--	--	--
1/20/2006	--	ND<250	--	--	--	--	--	--	--	--	--
7/11/2006	--	ND<25000	--	--	--	--	--	--	--	--	--
3/9/2007	--	ND<2500	--	--	--	--	--	--	--	--	--
<b>U-3</b>											
3/27/1997	--	--	--	--	--	--	--	--	--	3.32	3.18
9/5/2003	--	ND<500	--	--	--	--	--	--	--	--	--
3/4/2004	--	ND<10000	--	--	--	--	--	--	--	--	--
9/9/2004	--	ND<250	--	--	--	--	--	--	--	--	--
3/1/2005	--	ND<500	--	--	--	--	--	--	--	--	--
8/2/2005	--	ND<250	--	--	--	--	--	--	--	--	--
1/20/2006	--	ND<250	--	--	--	--	--	--	--	--	--
7/11/2006	--	ND<2500	--	--	--	--	--	--	--	--	--
3/9/2007	--	ND<1200	--	--	--	--	--	--	--	--	--
7/6/2007	--	ND<250	--	--	--	--	--	--	--	--	--

**Notes:**

TBA = Tertiary-Butyl Alcohol  
EDB = 1,2-Dibromoethane (Ethylene Dibromide)  
1,2-DCA (EDC) = 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  
mg/L = Milligrams per liter  
-- = Not Measured/Not Analyzed

# Figures

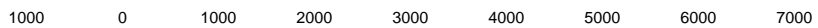




CALIFORNIA



SCALE IN MILES



SCALE IN FEET

REFERENCE: USGS 7.5 MINUTE QUADRANGLE;  
HAYWARD, CALIFORNIA; 1980



**Stantec**

15575 Los Gatos Blvd, Building C  
Los Gatos, CA 95032

PHONE: (408) 356-6124 FAX: (408) 356-6138

FOR:

376 LEWELLING BOULEVARD  
SAN LORENZO, CALIFORNIA

SITE LOCATION MAP

FIGURE:

1

JOB NUMBER:

211902149

DRAWN BY:

JRO

CHECKED BY:

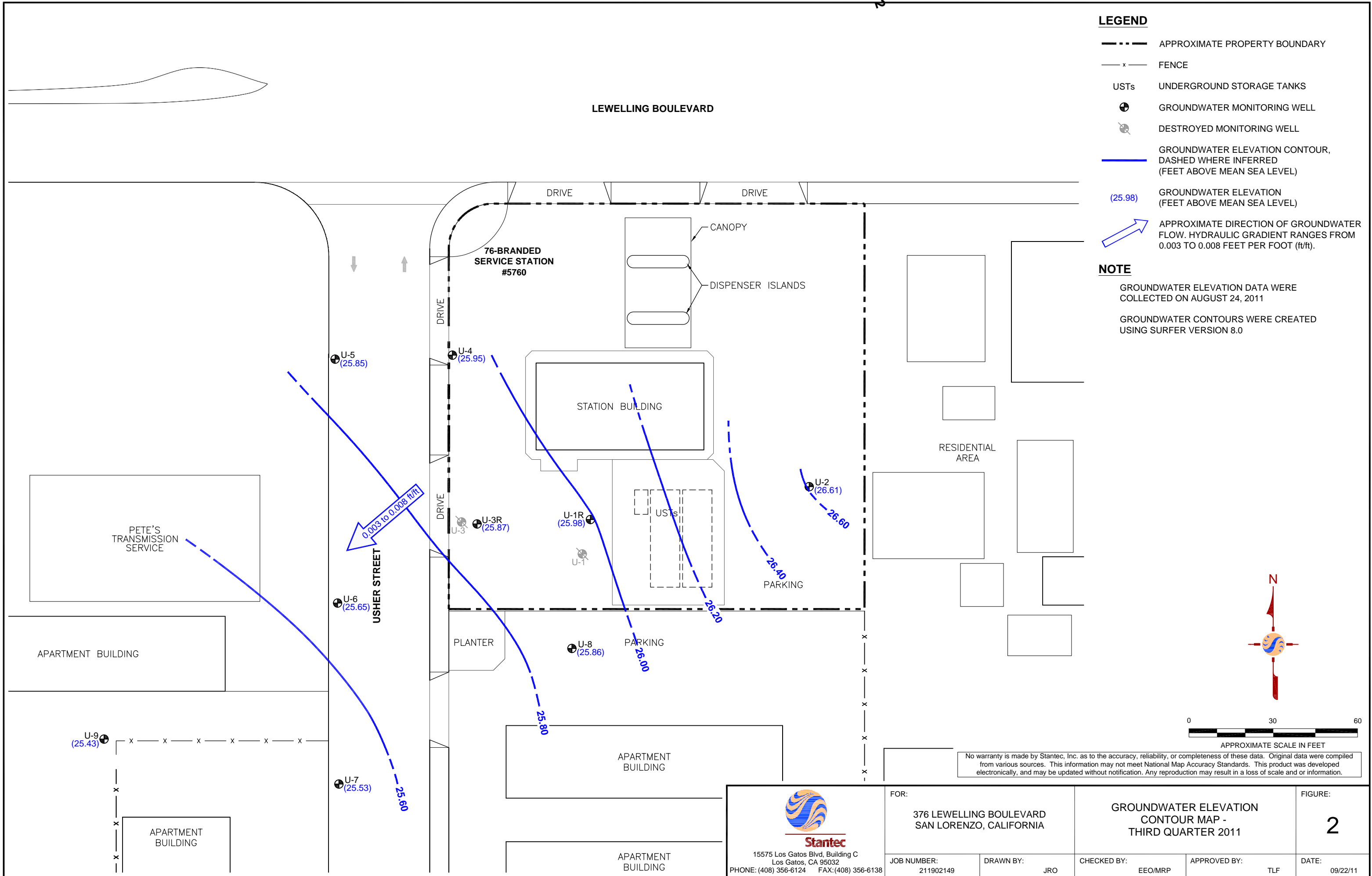
EEO/MRP

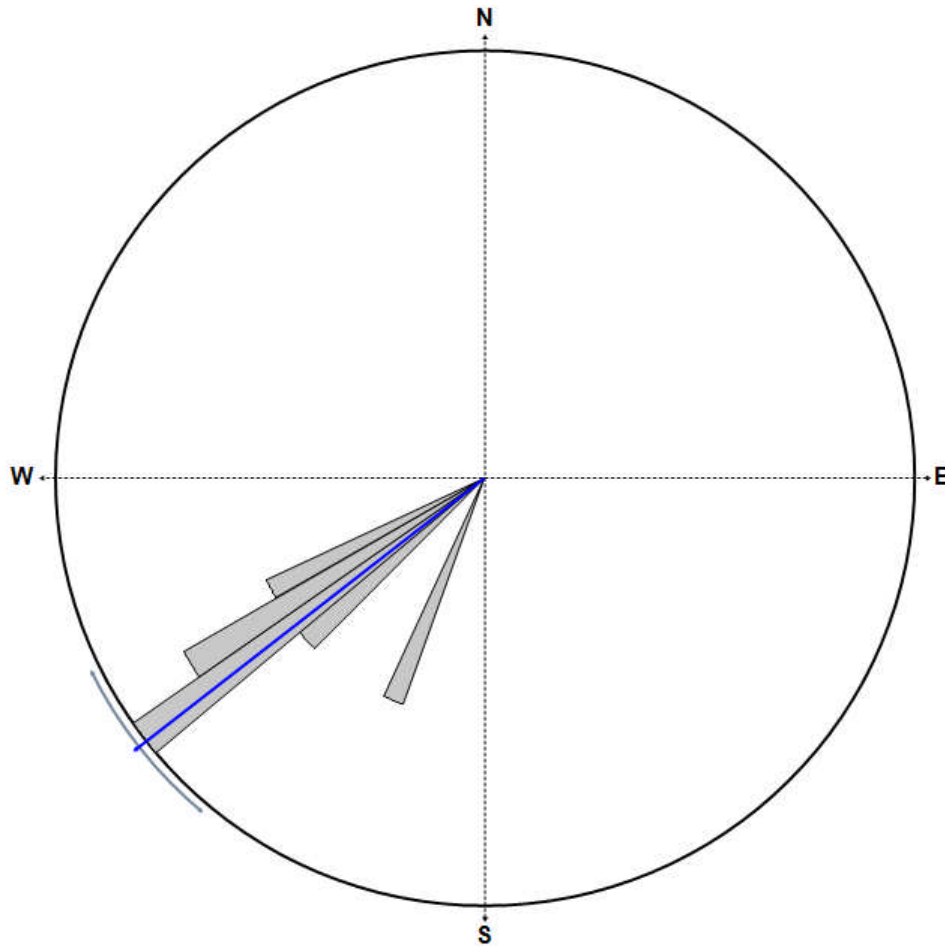
APPROVED BY:

TLF

DATE:

09/22/11






Equal Area Plot

Number of Points 8  
 Class Size 5  
 Vector Mean 232.03  
 Vector Magnitude 7.82  
 Consistency Ratio 0.98

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

 <b>Stantec</b> 15575 Los Gatos Blvd, Building C Los Gatos, CA 95032 PHONE: (408) 356-6124 FAX: (408) 356-6138	FOR: 376 LEWELLING BOULEVARD SAN LORENZO, CALIFORNIA		ROSE DIAGRAM - THIRD QUARTER 2011		FIGURE: <b>3</b>
	JOB NUMBER: 211902149	DRAWN BY: JRO	CHECKED BY: EEO/MRP	APPROVED BY: TLF	DATE: 09/22/11



**LEGEND**

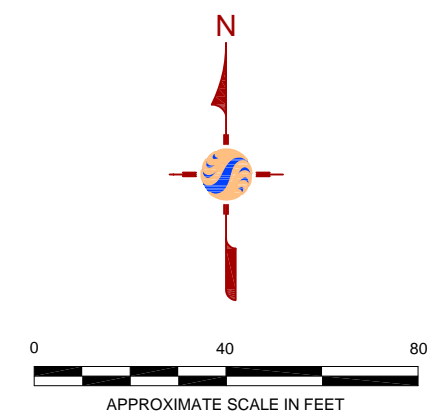
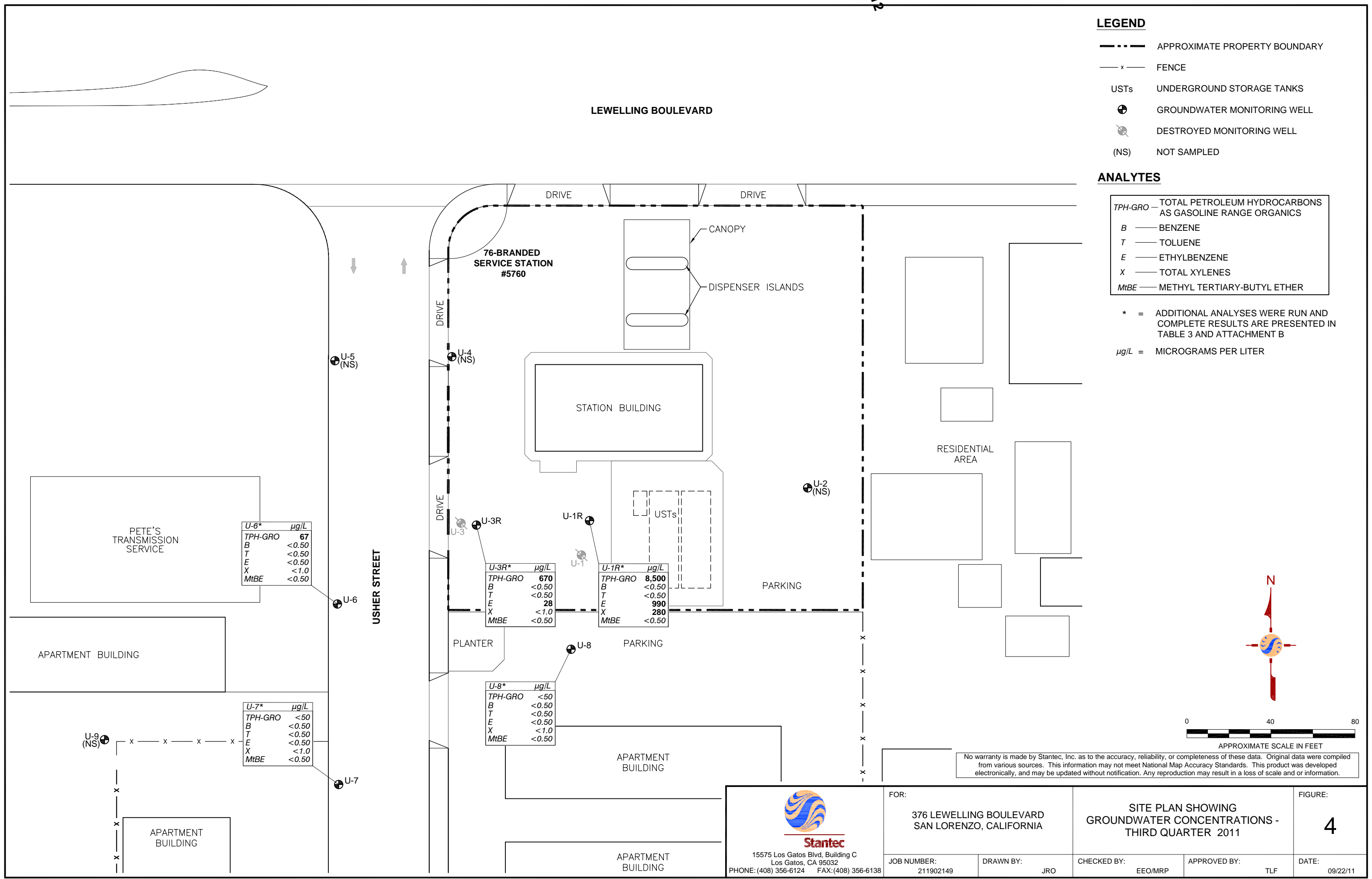
- APPROXIMATE PROPERTY BOUNDARY
- x — FENCE
- USTs UNDERGROUND STORAGE TANKS
- ⊕ GROUNDWATER MONITORING WELL
- ⊗ DESTROYED MONITORING WELL
- (NS) NOT SAMPLED

**ANALYTES**

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

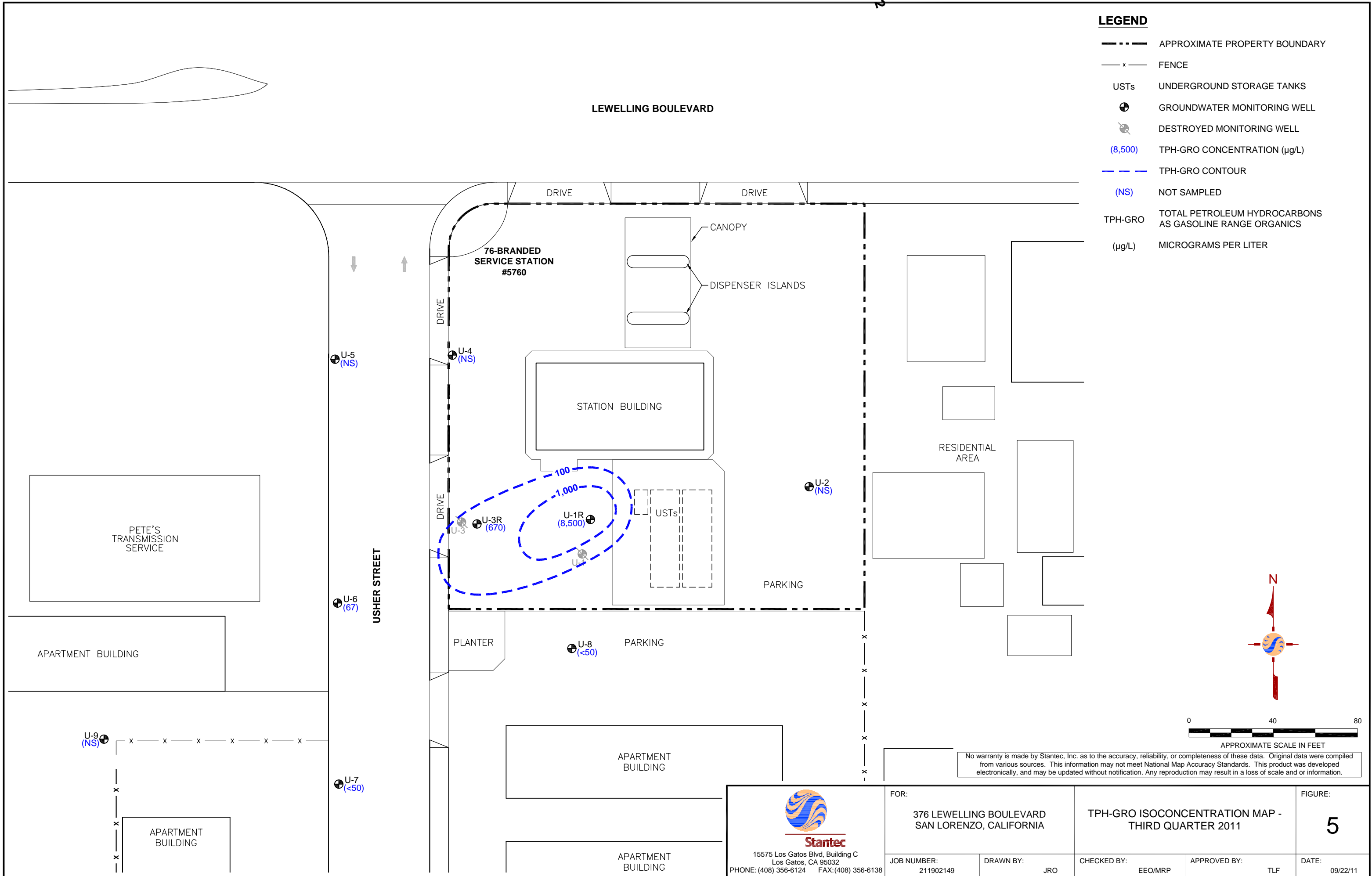
\* = ADDITIONAL ANALYSES WERE RUN AND COMPLETE RESULTS ARE PRESENTED IN TABLE 3 AND ATTACHMENT B

µg/L = MICROGRAMS PER LITER



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<p>15575 Los Gatos Blvd, Building C Los Gatos, CA 95032 PHONE: (408) 356-6124 FAX: (408) 356-6138</p>	FOR: 376 LEWELLING BOULEVARD SAN LORENZO, CALIFORNIA		SITE PLAN SHOWING GROUNDWATER CONCENTRATIONS - THIRD QUARTER 2011		FIGURE: <b>4</b>
	JOB NUMBER: 211902149	DRAWN BY: JRO	CHECKED BY: EEO/MRP	APPROVED BY: TLF	DATE: 09/22/11



<p>15575 Los Gatos Blvd, Building C Los Gatos, CA 95032 PHONE: (408) 356-6124 FAX: (408) 356-6138</p>	FOR: <b>376 LEWELLING BOULEVARD SAN LORENZO, CALIFORNIA</b>		<b>TPH-GRO ISOCONCENTRATION MAP - THIRD QUARTER 2011</b>		FIGURE: <b>5</b>
	JOB NUMBER: 211902149	DRAWN BY: JRO	CHECKED BY: EEO/MRP	APPROVED BY: TLF	DATE: 09/22/11

## **Attachment A**

# **TRC Solutions Groundwater Monitoring Report – Third Quarter 2011**



123 Technology Drive West  
Irvine, CA 92618

949.727.9336 PHONE  
949.727.7399 FAX

[www.TRCSolutions.com](http://www.TRCSolutions.com)

DATE: September 7, 2011

TO: Travis Flora  
Stantec  
15575 Los Gatos Blvd., Building C  
Los Gatos, California 95032

SITE: Unocal Site 5760  
Facility 351561  
376 Lewelling Blvd., San Lorenzo CA

RE: Transmittal of Groundwater Monitoring Data

Dear Mr. Flora,

Please find attached the field data sheets, chain of custody (COC) forms, and technical services request (TSR) form for the monitoring event that was completed on August 24, 2011. Field measurements and collection of samples submitted to the laboratory were completed in general accordance with our usual groundwater monitoring protocol which is also attached for your reference.

Please call me at 949-341-7440 if you have questions.

Sincerely,

A handwritten signature in black ink, appearing to read "Anju Farfan". The signature is written over the TRC logo.

Anju Farfan  
Groundwater Program Operations Manager

# GENERAL FIELD PROCEDURES

## Groundwater Gauging and Sampling Assignments

For each site, TRC technicians are provided with a Technical Service Request (TSR) that specifies activities required to complete the groundwater gauging and sampling assignment for the site. TSRs are based on client directives, instructions from the primary environmental consultant for the site, regulatory requirements, and TRC's previous experience with the site.

## Fluid Level Measurements (Gauging)

Initial site activities include determination of well locations based on a site map provided with the TSR. Well boxes are opened and caps are removed. Indications of well or well box damage or of pressure buildup in the well are noted.

Fluid levels in each well are measured using a coated cloth tape equipped with an electronic interface probe, which distinguishes between liquid phase hydrocarbon (LPH) and water. The depth to LPH (if it is present), to water, and to the bottom of the well are measured from the top of the well casing (surveyors mark or notch if present) to the nearest 0.01 foot. Unless otherwise instructed, a well with less than 0.67 foot between the measured top of water and the measured bottom of the well casing is considered dry, and is not sampled. If the well contains 0.67 foot or more of water, an attempt is made to bail and/or sample as specified on the TSR.

Unless otherwise instructed, a well that is found to contain a measureable amount of LPH (0.01 foot) is not purged or sampled. Instead, one casing volume of fluid is bailed from the well and the well is re-sealed.

## Purging and Groundwater Parameter Measurement

TSR instructions may specify that a well not be purged (no-purge sampling), be purged using low-flow methods, or be purged using conventional pump and/or bail methods. Conventional purging generally consists of pumping or bailing until a minimum of three casing volumes of water have been removed or until the well has been pumped dry. Pumping is generally accomplished using submersible electric or pneumatic diaphragm pumps.

During conventional purging, three groundwater parameters (temperature, pH, and conductivity) are measured after removal of each casing volume. Stabilization of these parameters, to within 10 percent, confirm that sufficient purging has been completed. In some cases, the TSR indicates that other parameters are also to be measured during purging. TRC commonly measures dissolved oxygen (DO), oxidation-reduction potential (ORP), and/or turbidity. Instruments used for groundwater parameter measurements are calibrated daily according to manufacturer's instructions.

Low-flow purging utilizes a bladder or peristaltic pump to remove water from the well at a low rate. Groundwater parameters specified by the TSR are measured continuously, using a flow cell, until they become stable in general accordance with EPA guidelines.

## Groundwater Sample Collection

After wells are purged, or not purged, according to TSR instructions, samples are collected for laboratory analysis. For wells that have been purged using conventional pump or bail methods, sampling is conducted after the well has recovered to 80 percent of its original volume or after two hours if the well does not recover to at least 80 percent. If there is insufficient recharge of water in the well after two hours, the well is not sampled.



## **GENERAL FIELD PROCEDURES**

Samples are collected by lowering a new, disposable polyethylene bottom-fill bailer to just below the water level in the well. The bailer is retrieved and the water sample is carefully transferred to containers specified for the laboratory analytical methods indicated by the TSR. Particular care is given to containers for volatile organic analysis (VOAs) which require filling to zero headspace and fitting with Teflon-sealed caps.

Sample containers are labeled with project number (or site number), well designation, sample date, sample time, and the sampler's initials, and placed in an insulated chest with ice. Samples remain chilled prior to and during transport to a state-certified laboratory for analysis. Sample container descriptions and requested analyses are entered onto a chain-of-custody form in order to provide instructions to the laboratory. The chain-of-custody form accompanies the samples during transportation to provide a continuous record of possession from the field to the laboratory. If a freight or overnight carrier transports the samples, the carrier is noted on the form.

For wells that have been purged using low-flow methods, sample containers are filled from the effluent stream of the bladder or peristaltic pump. In some cases, if so specified by the TSR, samples are taken from the sample ports of actively pumping remediation wells.

### **Sequence of Gauging, Purging and Sampling**

The sequence in which monitoring activities are conducted is specified on the TSR. In general, wells are gauged beginning with the least affected well and ending with the well that has the highest concentration based on previous analytic results. After all gauging for the site is completed, wells are purged and/or sampled from the least-affected to the most-affected well. If wells must be gauged or sampled out of order, alternate interface probes and/or pumps are utilized and are noted in field documentation.

### **Decontamination**

In order to reduce the possibility of cross contamination between wells, strict isolation and decontamination procedures are observed. Portable pumps are not used in wells with LPH. Technicians wear nitrile gloves during all gauging, purging, and sampling activities. Gloves are changed between wells and more often if warranted. Any equipment that could come in contact with fluids are either dedicated a particular well, decontaminated prior to each use, or discarded after a single use. Decontamination consists of washing in a solution of Liquinox and water and rinsing twice. The final rinse is in deionized water.

### **Purge Water Disposal**

Purge water is generally collected in labeled drums for disposal as non-hazardous waste. Drums may be left on site for disposal by others, or transported to a collection location at a TRC field office, in either Fullerton, California or Concord, California, for eventual transfer to a licensed treatment or recycling facility. Alternatively, purge water may be collected directly from the site by a licensed vacuum truck company, or may be treated on site by an active remediation system, if so directed.

### **Exceptions**

Additional tasks or non-standard procedures, if any, that may be requested or required for a particular site, are documented in field notes on the following pages.

## FIELD MONITORING DATA SHEET

Technician: A. Vidners

Job #/Task #: 183467.0035.1561

Date: 8/24/11

Site # 5760

Project Manager AF

Page 1 of 1

Well #	TOC	Time Gauged	Total Depth	Depth to Water	Depth to Product	Product Thickness (feet)	Time Sampled	Misc. Well Notes
V-4	✓	0727	27.93	16.74	—	—	N/S	3" Monitor Only
V-3R	✓	0732	24.96	15.71	—	—	0910	2"
V-1R	✓	0804	24.63	16.67	—	—	0851	2"
V-2	✓	0812	29.85	17.04	—	—	N/S	3" Monitor Only
V-5	✓	0737	28.48	15.89	—	—	N/S	2" ↓
V-6	✓	0743	28.30	14.42	—	—	0945	2"
V-7	✓	0748	34.87	13.97	—	—	0930	2"
V-9	✓	0754	28.12	14.29	—	—	N/S	2" Monitor Only
V-8	✓	0759	29.79	15.09	—	—	1008	2"

FIELD DATA COMPLETE	QA/QC	COC
WELL BOX CONDITION SHEETS		
MANIFEST	DRUM INVENTORY	TRAFFIC CONTROL



# GROUNDWATER SAMPLING FIELD NOTES

Technician: A. Vidners

Site: 5760

Project No.: 103407.0035.1561

Date: 8/24/11

Well No. U-3R

Purge Method: Sub

Depth to Water (feet): 15.71

Depth to Product (feet):                     

Total Depth (feet): 24.96

LPH & Water Recovered (gallons):                     

Water Column (feet): 9.25

Casing Diameter (Inches): 2

80% Recharge Depth(feet): 17.56

1 Well Volume (gallons): 2

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (µS/cm)	Temperature (F, C)	pH	D.O. (mg/L)	ORP	Turbidity
<b>Pre-Purge</b>									
<del>0902</del>			2	916.4	20.1	6.83			
			4	924.6	20.2	6.84			
	0906		6	928.6	20.2	6.86			
Static at Time Sampled			Total Gallons Purged			Sample Time			
16.21			6			0910			
<b>Comments:</b>									

Well No. U-1R

Purge Method: HB

Depth to Water (feet): 16.67

Depth to Product (feet):                     

Total Depth (feet): 24.63

LPH & Water Recovered (gallons):                     

Water Column (feet): 7.96

Casing Diameter (Inches): 2

80% Recharge Depth(feet): 18.26

1 Well Volume (gallons): 2

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (µS/cm)	Temperature (F, C)	pH	D.O. (mg/L)	ORP	Turbidity
<b>Pre-Purge</b>									
0837			2	1248	19.3	6.76			
			4	1254	19.3	6.70			
	0848		6	1248	19.3	6.64			
Static at Time Sampled			Total Gallons Purged			Sample Time			
16.82			6			0851			
<b>Comments:</b>									

## GROUNDWATER SAMPLING FIELD NOTES

Technician: A. Viduevas

Site: 5760

Project No.: 183487.0035.1561

Date: 8/24/11

Well No. V-6

Purge Method: Sub

Depth to Water (feet): 14.42

Depth to Product (feet):                     

Total Depth (feet): 28.30

LPH & Water Recovered (gallons):                     

Water Column (feet): 13.88

Casing Diameter (Inches): 2

80% Recharge Depth(feet): 17.20

1 Well Volume (gallons): 3

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (µS/cm)	Temperature (F, C)	pH	D.O. (mg/L)	ORP	Turbidity
Pre-Purge									
0937			3	879.1	20.4	6.82			
			6	899.2	20.4	6.78			
	0941		9	905.8	20.5	6.78			
Static at Time Sampled			Total Gallons Purged			Sample Time			
14.54			9			0945			
Comments:									

Well No. V-7

Purge Method: Sub

Depth to Water (feet): 13.97

Depth to Product (feet):                     

Total Depth (feet): 34.87

LPH & Water Recovered (gallons):                     

Water Column (feet): 20.90

Casing Diameter (Inches): 2

80% Recharge Depth(feet): 18.15

1 Well Volume (gallons): 4

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (µS/cm)	Temperature (F, C)	pH	D.O. (mg/L)	ORP	Turbidity
Pre-Purge									
0921			4	666.7	19.3	7.12			
			8	671.8	19.2	7.04			
	0926		12	671.9	19.3	6.98			
Static at Time Sampled			Total Gallons Purged			Sample Time			
14.10			12			0930			
Comments:									

# GROUNDWATER SAMPLING FIELD NOTES

Technician: A. Vidales

Site: 5760

Project No.: 183487.0035.1561

Date: 8/24/11

Well No. V-8

Purge Method: Sub

Depth to Water (feet): 15.09

Depth to Product (feet): \_\_\_\_\_

Total Depth (feet): 29.79

LPH & Water Recovered (gallons): \_\_\_\_\_

Water Column (feet): 14.70

Casing Diameter (Inches): 2

80% Recharge Depth(feet): 18.03

1 Well Volume (gallons): 3

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (µS/cm)	Temperature (F, C)	pH	D.O. (mg/L)	ORP	Turbidity
Pre-Purge									
<u>0956</u>			<u>3</u>	<u>651.4</u>	<u>19.8</u>	<u>7.12</u>			
			<u>6</u>	<u>653.1</u>	<u>19.4</u>	<u>7.01</u>			
	<u>1001</u>		<u>9</u>	<u>650.1</u>	<u>19.6</u>	<u>6.98</u>			
Static at Time Sampled			Total Gallons Purged			Sample Time			
<u>15.11</u>			<u>9</u>			<u>1008</u>			
Comments:									

Well No. \_\_\_\_\_

Purge Method: \_\_\_\_\_

Depth to Water (feet): \_\_\_\_\_

Depth to Product (feet): \_\_\_\_\_

Total Depth (feet): \_\_\_\_\_

LPH & Water Recovered (gallons): \_\_\_\_\_

Water Column (feet): \_\_\_\_\_

Casing Diameter (Inches): \_\_\_\_\_

80% Recharge Depth(feet): \_\_\_\_\_

1 Well Volume (gallons): \_\_\_\_\_

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (µS/cm)	Temperature (F, C)	pH	D.O. (mg/L)	ORP	Turbidity
Pre-Purge									
Static at Time Sampled			Total Gallons Purged			Sample Time			
Comments:									

# WELL BOX CONDITION REPORT

SITE NO. 5760

ADDRESS 376 Lewelling Blvd. San Lorenzo, CA

DATE 8/2

PERFORMED BY: A. Vidner

PAGE 1 OF 1

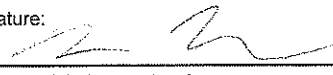
Well Name	Current Well Box Size	# of Ears	# of Stripped Ears	# of Broken Ears	# of Broken Bolts	# of Missing Bolts	Seal Damaged	Missing Lid	Broken Lid	Well Box is Exposed	Well Box is Below Grade	Unable to Access	Unable to Locate	Foundation Damaged	Paved Over	Street Well	Saw Cut Needed	System Well	USA Marked Well	Comments
V-4	12"	2	0	0	0	0	N	N	N	N	N	N	N	N	N	N	N	N	N	
V-3R	2x2'	4	0	0	0	0	N	N	N	N	N	N	N	N	N	N	N	N	N	
V-1R	12"	2	0	0	0	0	N	N	N	N	N	N	N	N	N	N	N	N	N	
V-2	12"	2	0	0	0	0	N	N	N	N	N	N	N	N	N	N	N	N	N	
V-5	8"	2	0	0	0	0	Y	N	N	N	N	N	N	N	N	Y	N	N	N	
V-6	8"	2	0	0	0	0	N	N	N	N	N	N	N	N	N	Y	N	N	N	
V-7	8"	2	0	0	0	0	N	N	N	N	N	N	N	N	N	Y	N	N	N	
V-9	8"	2	0	0	0	0	N	N	N	N	N	N	N	N	N	N	N	N	N	
V-8	12"	2	0	0	0	0	N	N	N	N	N	N	N	N	N	N	N	N	N	



# CHAIN OF CUSTODY FORM

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

COC \_\_\_\_\_ of \_\_\_\_\_

Union Oil Site ID: <u>5760</u>				Union Oil Consultant: <u>Stantec</u>				ANALYSES REQUIRED											
Site Global ID: <u>T000101469</u>				Consultant Contact: <u>Travis Flora</u>				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	EDB/EDC by 8260B	Turnaround Time (TAT):					
Site Address: <u>3760 Lewelling Blvd. San Lorenzo, CA</u>				Consultant Phone No.: <u>415 356-6124</u>										Standard <input checked="" type="checkbox"/> 24 Hours <input type="checkbox"/>		48 Hours <input type="checkbox"/> 72 Hours <input type="checkbox"/>			
Union Oil PM: <u>Ryan Kambin</u>				Sampling Company: <u>TRC</u>										Special Instructions					
Union Oil PM Phone No.:				Sampled By (PRINT): <u>Andrew Vidners</u>															
Charge Code: <u>NWRB-0 351301-0-LAB</u>				Sampler Signature: 															
This is a LEGAL document. ALL fields must be filled out CORRECTLY and COMPLETELY.				BC Laboratories, Inc.				Notes / Comments											
				Project Manager: <u>Molly Meyers</u> 4100 Atlas Court, Bakersfield, CA 93308 Phone No. 661-327-4911															
SAMPLE ID																			
Field Point Name	Matrix	DTW	Date (yymmdd)	Sample Time	# of Containers														
<u>MW-3R</u>	<u>W-S-A</u>		<u>110924</u>	<u>0910</u>	<u>3</u>		<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>									
<u>MW-1R</u>	<u>W-S-A</u>		<u>↓</u>	<u>0951</u>	<u>↓</u>					<u>X</u>									
<u>MW-6</u>	<u>W-S-A</u>		<u>↓</u>	<u>0945</u>	<u>↓</u>														
<u>MW-7</u>	<u>W-S-A</u>		<u>↓</u>	<u>0930</u>	<u>↓</u>														
<u>MW-8</u>	<u>W-S-A</u>		<u>↓</u>	<u>1008</u>	<u>↓</u>		<u>↓</u>	<u>↓</u>		<u>↓</u>									
	<u>W-S-A</u>																		
	<u>W-S-A</u>																		
	<u>W-S-A</u>																		
	<u>W-S-A</u>																		
	<u>W-S-A</u>																		
	<u>W-S-A</u>																		
	<u>W-S-A</u>																		
	<u>W-S-A</u>																		
Relinquished By <u>Molly Meyers</u> Company <u>TRC</u> Date / Time: <u>8/24/11 1200</u>				Relinquished By _____ Company _____ Date / Time: _____				Relinquished By _____ Company _____ Date / Time: _____											
Received By <u>R. Ruybal</u> Company <u>BC</u> Date / Time: <u>8.26.11 1340</u>				Received By _____ Company _____ Date / Time: _____				Received By _____ Company _____ Date / Time: _____											

**TRC SOLUTIONS**  
**TECHNICAL SERVICES REQUEST FORM**

20-Jul-11

**Site ID:** 5760  
**Address:** 376 Lewelling Boulevard  
**City:** San Lorenzo  
**Cross Street:** Usher St.

**Project No.:** 183487.0035.1561 / 00TA01  
**Client:** Roya Kambin  
**Contact #:** 925-790-6270  
**PM:** Travis Flora                      Stantec  
**PM Contact #:** 408-356-6124

**Total number of wells:** 9      **Min. Well Diameter (in.):** 2      **# of Techs, # of Hrs:** 1, 6  
**Depth to Water (ft.):** 15      **Max. Well Diameter (in.):** 3      **Travel Time (hrs):**  
**Max. Well Depth (ft):** 35

ACTIVITIES:	Frequency	Notes
Gauging:	<input checked="" type="checkbox"/> Semi Q1/Q3	
Purge/Sampling:	<input checked="" type="checkbox"/> Semi Q1/Q3	
No Purge/Sample	<input type="checkbox"/>	

RELATED ACTIVITIES	Note
Drums:	<input checked="" type="checkbox"/>
Other Activities:	<input checked="" type="checkbox"/> Post no parking signs.
Traffic Control:	<input checked="" type="checkbox"/> Permit not required

*Checking to make sure we don't need a permit*

**PERMIT INFORMATION:**

If questioned about street work, reference work order # 83272 and permit #ROO-920233.  
 Two No Parking signs will need to be posted for wells U-6 & U-7 two days before the event.

**NOTIFICATIONS:**

A-One 76 Gas station/San Lorenzo 76: 510-481-9260

**SITE INFORMATION:**

[Empty box for site information]



**TRC SOLUTIONS**  
**TECHNICAL SERVICES REQUEST FORM**

20-Jul-11

**Site ID:** 5760  
**Address** 376 Lewelling Boulevard  
**City:** San Lorenzo  
**Cross Street:** Usher St.

**Project No.:** 183487.0035.1561 / 00TA01  
**Client:** Roya Kambin  
**Contact #:** 925-790-6270  
**PM:** Travis Flora                      Stantec  
**PM Contact #:** 408-356-6124

**LAB INFORMATION:**

**Global ID:** T0600101469  
**Lab WO:** 351561

**Lab Used:** BC Labs

**Lab Notes:** Lab Analyses:  
TPH-G by GC/MS, BTEX/MTBE/OXYS by 8260B, EDB/EDC by 8260B [Containers: 3 voas w/ HCl]

Additional analyses for wells U-1R & U-3R:  
Ethanol by 8260B [No additional containers needed]

**TRC SOLUTIONS**  
**TECHNICAL SERVICES REQUEST FORM**

20-Jul-11

**Site ID.:** 5760  
**Address** 376 Lewelling Boulevard  
**City:** San Lorenzo  
**Cross Street** Usher St.

Well IDs	Benz.	MTBE	Gauging				Sampling				Field Measurements			Comments
			Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Pre-Purge	Post-Purge	Type	
U-9	0	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2" casing
U-8	0	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2" casing
U-7	0	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2" casing
U-6	0	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2" casing
U-5	0	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2" casing
U-4	0	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3" casing
U-3R	0	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
U-2	0	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3" casing
U-1R	0	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

## **Attachment B**

# **Certified Laboratory Analysis Reports and Chain-of-Custody Documents**



Date of Report: 09/02/2011

Travis Flora

Stantec

15575 Los Gatos Blvd., Building C  
Los Gatos, CA 95032

Project: 5760  
BC Work Order: 1113885  
Invoice ID: B106842

Enclosed are the results of analyses for samples received by the laboratory on 8/26/2011. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Contact Person: Molly Meyers  
Client Service Rep

Authorized Signature

Certifications: CA ELAP #1186; NV #CA00014



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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

11-13885

Union Oil Site ID: 5760				Union Oil Consultant: Startec		ANALYSES REQUIRED							
Site Global ID: T0600101469				Consultant Contact: Travis Flory		Turnaround Time (TAT): Standard <input checked="" type="checkbox"/> 24 Hours <input type="checkbox"/> 48 Hours <input type="checkbox"/> 72 Hours <input type="checkbox"/> Special Instructions							
Site Address: 376 Lewelling Blvd. San Lorenzo, CA				Consultant Phone No.: 408 356-6124									
Union Oil PM: Roy Kambon				Sampling Company: TRC		Notes / Comments							
Union Oil PM Phone No.:				Sampled By (PRINT): Andrew Widmors									
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		TPH - Diesel by EPA 8015 TPH - G by GC/MS BTX/MIB/DOXYs by EPA 8260B Ethanol by EPA 8260B EPA 8260B Full List with OXYS EDB/EDC by 8260B							
SAMPLE ID				Sample Time	# of Containers	TPH - Diesel by EPA 8015	TPH - G by GC/MS	BTX/MIB/DOXYs by EPA 8260B	Ethanol by EPA 8260B	EPA 8260B Full List with OXYS	EDB/EDC by 8260B	Notes / Comments	
Field Point Name	Matrix	DTW	Date (yyymmdd)										
-1 MW-3R	W-S-A		110874	0910	3		X	X	X	X			
-2 MW-1R	W-S-A			0951					X				
-3 MW-6	W-S-A			0945									
-4 MW-7	W-S-A			0930									
-5 MW-8	W-S-A			1008									
	W-S-A												
	W-S-A												
	W-S-A												
	W-S-A												
	W-S-A												
	W-S-A												
	W-S-A												
Relinquished By:  TRC 8/24/11 1200				Relinquished By: RL Ruynd BCL 8-26-11 1950				Relinquished By: _____ Company: _____ Date / Time: _____					
Received By: RL Ruynd BCL 8-26-11 1340				Received By: Marshall BCL 8-26-11 1950				Received By: _____ Company: _____ Date / Time: _____					

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SUB OUT

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation. 4100 Atlas Court Bakersfield, CA 93308 (661) 327-4911 FAX (661) 327-1918 www.bclabs.com Page 3 of 15



BC LABORATORIES INC. SAMPLE RECEIPT FORM Rev. No. 12 06/24/08 Page 1 of 1

Submission #: 11-13885

**SHIPPING INFORMATION**  
 Federal Express  UPS  Hand Delivery   
 BC Lab Field Service  Other  (Specify) \_\_\_\_\_

**SHIPPING CONTAINER**  
 Ice Chest  None   
 Box  Other  (Specify) \_\_\_\_\_

Refrigerant: Ice  Blue Ice  None  Other  Comments: \_\_\_\_\_

Custody Seals: Ice Chest  Containers  None  Comments: \_\_\_\_\_  
 Intact? Yes  No  Intact? Yes  No

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: VOA Thermometer ID: 163  
 Temperature: A 4.7 °C, C 4.4 °C  
 Date/Time: 8-26-11  
 Analyst Initials: MIM 1950

SAMPLE CONTAINERS	SAMPLE NUMBERS									
	1	2	3	4	5	6	7	8	9	10
QT GENERAL MINERAL/ GENERAL PHYSICAL										
PT PE UNPRESERVED										
QT INORGANIC CHEMICAL METALS										
PT INORGANIC CHEMICAL METALS										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT TOX										
PT CHEMICAL OXYGEN DEMAND										
15A PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL	A3	A3	A3	A3	A3	A3				
QT EPA 413.1, 413.1, 413.1										
PT ODOUR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 505/605/805										
QT EPA 515.1/815										
QT EPA 525										
QT EPA 525 TRAVEL BLANK										
100ml EPA 547										
100ml EPA 531.1										
QT EPA 548										
QT EPA 549										
QT EPA 632										
QT EPA 801.5M										
QT AMBER										
8 OZ. JAR										
32 OZ. JAR										
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
FERROUS IRON										
ENCORE										

Comments: Description on all dashes due not match COC, samples all start w/ u instead of MW.  
 Sample Numbering Completed By: MIM Date/Time: 0225 8-26-11  
 A = Actual / C = Corrected



Stantec  
15575 Los Gatos Blvd., Building C  
Los Gatos, CA 95032

**Reported:** 09/02/2011 16:39  
**Project:** 5760  
**Project Number:** 351561  
**Project Manager:** Travis Flora

### Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information
------------	---------------------------

<b>1113885-01</b>	<b>COC Number:</b> --- <b>Project Number:</b> 5760 <b>Sampling Location:</b> --- <b>Sampling Point:</b> MW-3R-W-110824 <b>Sampled By:</b> TRCI	<b>Receive Date:</b> 08/26/2011 19:50 <b>Sampling Date:</b> 08/24/2011 09:10 <b>Sample Depth:</b> --- <b>Lab Matrix:</b> Water <b>Sample Type:</b> Water Delivery Work Order: Global ID: T0600101469 Location ID (FieldPoint): MW-3R Matrix: W Sample QC Type (SACode): CS Cooler ID:
-------------------	--	---

<b>1113885-02</b>	<b>COC Number:</b> --- <b>Project Number:</b> 5760 <b>Sampling Location:</b> --- <b>Sampling Point:</b> MW-1R-W-110824 <b>Sampled By:</b> TRCI	<b>Receive Date:</b> 08/26/2011 19:50 <b>Sampling Date:</b> 08/24/2011 08:51 <b>Sample Depth:</b> --- <b>Lab Matrix:</b> Water <b>Sample Type:</b> Water Delivery Work Order: Global ID: T0600101469 Location ID (FieldPoint): MW-1R Matrix: W Sample QC Type (SACode): CS Cooler ID:
-------------------	--	---

<b>1113885-03</b>	<b>COC Number:</b> --- <b>Project Number:</b> 5760 <b>Sampling Location:</b> --- <b>Sampling Point:</b> MW-6-W-110824 <b>Sampled By:</b> TRCI	<b>Receive Date:</b> 08/26/2011 19:50 <b>Sampling Date:</b> 08/24/2011 09:45 <b>Sample Depth:</b> --- <b>Lab Matrix:</b> Water <b>Sample Type:</b> Water Delivery Work Order: Global ID: T0600101469 Location ID (FieldPoint): MW-6 Matrix: W Sample QC Type (SACode): CS Cooler ID:
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Stantec  
15575 Los Gatos Blvd., Building C  
Los Gatos, CA 95032

**Reported:** 09/02/2011 16:39  
**Project:** 5760  
**Project Number:** 351561  
**Project Manager:** Travis Flora

### Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information
------------	---------------------------

<b>1113885-04</b>	<b>COC Number:</b> --- <b>Project Number:</b> 5760 <b>Sampling Location:</b> --- <b>Sampling Point:</b> MW-7-W-110824 <b>Sampled By:</b> TRCI	<b>Receive Date:</b> 08/26/2011 19:50 <b>Sampling Date:</b> 08/24/2011 09:30 <b>Sample Depth:</b> --- <b>Lab Matrix:</b> Water <b>Sample Type:</b> Water Delivery Work Order: Global ID: T0600101469 Location ID (FieldPoint): MW-7 Matrix: W Sample QC Type (SACode): CS Cooler ID:
-------------------	---	--

<b>1113885-05</b>	<b>COC Number:</b> --- <b>Project Number:</b> 5760 <b>Sampling Location:</b> --- <b>Sampling Point:</b> MW-8-W-110824 <b>Sampled By:</b> TRCI	<b>Receive Date:</b> 08/26/2011 19:50 <b>Sampling Date:</b> 08/24/2011 10:08 <b>Sample Depth:</b> --- <b>Lab Matrix:</b> Water <b>Sample Type:</b> Water Delivery Work Order: Global ID: T0600101469 Location ID (FieldPoint): MW-8 Matrix: W Sample QC Type (SACode): CS Cooler ID:
-------------------	---	--



Stantec  
15575 Los Gatos Blvd., Building C  
Los Gatos, CA 95032

**Reported:** 09/02/2011 16:39  
**Project:** 5760  
**Project Number:** 351561  
**Project Manager:** Travis Flora

### Volatile Organic Analysis (EPA Method 8260)

<b>BCL Sample ID:</b> 1113885-01	<b>Client Sample Name:</b> 5760, MW-3R-W-110824, 8/24/2011 9:10:00AM
----------------------------------	--

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.50	EPA-8260	ND		1
1,2-Dibromoethane	ND	ug/L	0.50	EPA-8260	ND		1
1,2-Dichloroethane	ND	ug/L	0.50	EPA-8260	ND		1
<b>Ethylbenzene</b>	<b>28</b>	<b>ug/L</b>	<b>0.50</b>	<b>EPA-8260</b>	ND		1
Methyl t-butyl ether	ND	ug/L	0.50	EPA-8260	ND		1
Toluene	ND	ug/L	0.50	EPA-8260	ND		1
Total Xylenes	ND	ug/L	1.0	EPA-8260	ND		1
t-Amyl Methyl ether	ND	ug/L	0.50	EPA-8260	ND		1
t-Butyl alcohol	ND	ug/L	10	EPA-8260	ND		1
Diisopropyl ether	ND	ug/L	0.50	EPA-8260	ND		1
Ethanol	ND	ug/L	250	EPA-8260	ND		1
Ethyl t-butyl ether	ND	ug/L	0.50	EPA-8260	ND		1
<b>Total Purgeable Petroleum Hydrocarbons</b>	<b>670</b>	<b>ug/L</b>	<b>50</b>	<b>Luft-GC/MS</b>	ND		1
1,2-Dichloroethane-d4 (Surrogate)	96.0	%	76 - 114 (LCL - UCL)	EPA-8260			1
Toluene-d8 (Surrogate)	98.1	%	88 - 110 (LCL - UCL)	EPA-8260			1
4-Bromofluorobenzene (Surrogate)	92.4	%	86 - 115 (LCL - UCL)	EPA-8260			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260	08/31/11	09/02/11 09:17	KEA	GPCHEM	1	BUH2389

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Los Gatos, CA 95032

**Reported:** 09/02/2011 16:39  
**Project:** 5760  
**Project Number:** 351561  
**Project Manager:** Travis Flora

### Volatile Organic Analysis (EPA Method 8260)

<b>BCL Sample ID:</b> 1113885-02	<b>Client Sample Name:</b> 5760, MW-1R-W-110824, 8/24/2011 8:51:00AM
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Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.50	EPA-8260	ND		1
1,2-Dibromoethane	ND	ug/L	0.50	EPA-8260	ND		1
1,2-Dichloroethane	ND	ug/L	0.50	EPA-8260	ND		1
<b>Ethylbenzene</b>	<b>990</b>	<b>ug/L</b>	<b>10</b>	<b>EPA-8260</b>	ND	<b>A01</b>	<b>2</b>
Methyl t-butyl ether	ND	ug/L	0.50	EPA-8260	ND		1
Toluene	ND	ug/L	0.50	EPA-8260	ND		1
<b>Total Xylenes</b>	<b>280</b>	<b>ug/L</b>	<b>20</b>	<b>EPA-8260</b>	ND	<b>A01</b>	<b>2</b>
t-Amyl Methyl ether	ND	ug/L	0.50	EPA-8260	ND		1
t-Butyl alcohol	ND	ug/L	10	EPA-8260	ND		1
Diisopropyl ether	ND	ug/L	0.50	EPA-8260	ND		1
Ethanol	ND	ug/L	250	EPA-8260	ND		1
Ethyl t-butyl ether	ND	ug/L	0.50	EPA-8260	ND		1
<b>Total Purgeable Petroleum Hydrocarbons</b>	<b>8500</b>	<b>ug/L</b>	<b>1000</b>	<b>Luft-GC/MS</b>	ND	<b>A01</b>	<b>2</b>
1,2-Dichloroethane-d4 (Surrogate)	102	%	76 - 114 (LCL - UCL)	EPA-8260			1
1,2-Dichloroethane-d4 (Surrogate)	84.8	%	76 - 114 (LCL - UCL)	EPA-8260			2
Toluene-d8 (Surrogate)	105	%	88 - 110 (LCL - UCL)	EPA-8260			1
Toluene-d8 (Surrogate)	99.5	%	88 - 110 (LCL - UCL)	EPA-8260			2
4-Bromofluorobenzene (Surrogate)	97.6	%	86 - 115 (LCL - UCL)	EPA-8260			1
4-Bromofluorobenzene (Surrogate)	89.2	%	86 - 115 (LCL - UCL)	EPA-8260			2

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260	08/31/11	09/01/11 22:07	KEA	HPCHEM	1	BUH2389
2	EPA-8260	08/31/11	09/02/11 09:40	KEA	HPCHEM	20	BUH2389

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Reported: 09/02/2011 16:39  
Project: 5760  
Project Number: 351561  
Project Manager: Travis Flora

### Volatile Organic Analysis (EPA Method 8260)

<b>BCL Sample ID:</b> 1113885-03	<b>Client Sample Name:</b> 5760, MW-6-W-110824, 8/24/2011 9:45:00AM
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Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.50	EPA-8260	ND		1
1,2-Dibromoethane	ND	ug/L	0.50	EPA-8260	ND		1
1,2-Dichloroethane	ND	ug/L	0.50	EPA-8260	ND		1
Ethylbenzene	ND	ug/L	0.50	EPA-8260	ND		1
Methyl t-butyl ether	ND	ug/L	0.50	EPA-8260	ND		1
Toluene	ND	ug/L	0.50	EPA-8260	ND		1
Total Xylenes	ND	ug/L	1.0	EPA-8260	ND		1
t-Amyl Methyl ether	ND	ug/L	0.50	EPA-8260	ND		1
t-Butyl alcohol	ND	ug/L	10	EPA-8260	ND		1
Diisopropyl ether	ND	ug/L	0.50	EPA-8260	ND		1
Ethyl t-butyl ether	ND	ug/L	0.50	EPA-8260	ND		1
<b>Total Purgeable Petroleum Hydrocarbons</b>	<b>67</b>	<b>ug/L</b>	<b>50</b>	<b>Luft-GC/MS</b>	ND		<b>1</b>
1,2-Dichloroethane-d4 (Surrogate)	95.4	%	76 - 114 (LCL - UCL)	EPA-8260			1
Toluene-d8 (Surrogate)	99.0	%	88 - 110 (LCL - UCL)	EPA-8260			1
4-Bromofluorobenzene (Surrogate)	97.6	%	86 - 115 (LCL - UCL)	EPA-8260			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260	08/31/11	09/01/11 21:44	KEA	HPCHEM	1	BUH2389

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**Reported:** 09/02/2011 16:39  
Project: 5760  
Project Number: 351561  
Project Manager: Travis Flora

### Volatile Organic Analysis (EPA Method 8260)

<b>BCL Sample ID:</b> 1113885-04	<b>Client Sample Name:</b> 5760, MW-7-W-110824, 8/24/2011 9:30:00AM
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Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.50	EPA-8260	ND		1
1,2-Dibromoethane	ND	ug/L	0.50	EPA-8260	ND		1
1,2-Dichloroethane	ND	ug/L	0.50	EPA-8260	ND		1
Ethylbenzene	ND	ug/L	0.50	EPA-8260	ND		1
Methyl t-butyl ether	ND	ug/L	0.50	EPA-8260	ND		1
Toluene	ND	ug/L	0.50	EPA-8260	ND		1
Total Xylenes	ND	ug/L	1.0	EPA-8260	ND		1
t-Amyl Methyl ether	ND	ug/L	0.50	EPA-8260	ND		1
t-Butyl alcohol	ND	ug/L	10	EPA-8260	ND		1
Diisopropyl ether	ND	ug/L	0.50	EPA-8260	ND		1
Ethyl t-butyl ether	ND	ug/L	0.50	EPA-8260	ND		1
Total Purgeable Petroleum Hydrocarbons	ND	ug/L	50	Luft-GC/MS	ND		1
1,2-Dichloroethane-d4 (Surrogate)	95.8	%	76 - 114 (LCL - UCL)	EPA-8260			1
Toluene-d8 (Surrogate)	99.1	%	88 - 110 (LCL - UCL)	EPA-8260			1
4-Bromofluorobenzene (Surrogate)	91.0	%	86 - 115 (LCL - UCL)	EPA-8260			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260	08/31/11	09/01/11 21:21	KEA	HPCHEM	1	BUH2389

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**Reported:** 09/02/2011 16:39  
Project: 5760  
Project Number: 351561  
Project Manager: Travis Flora

### Volatile Organic Analysis (EPA Method 8260)

<b>BCL Sample ID:</b> 1113885-05	<b>Client Sample Name:</b> 5760, MW-8-W-110824, 8/24/2011 10:08:00AM
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Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.50	EPA-8260	ND		1
1,2-Dibromoethane	ND	ug/L	0.50	EPA-8260	ND		1
1,2-Dichloroethane	ND	ug/L	0.50	EPA-8260	ND		1
Ethylbenzene	ND	ug/L	0.50	EPA-8260	ND		1
Methyl t-butyl ether	ND	ug/L	0.50	EPA-8260	ND		1
Toluene	ND	ug/L	0.50	EPA-8260	ND		1
Total Xylenes	ND	ug/L	1.0	EPA-8260	ND		1
t-Amyl Methyl ether	ND	ug/L	0.50	EPA-8260	ND		1
t-Butyl alcohol	ND	ug/L	10	EPA-8260	ND		1
Diisopropyl ether	ND	ug/L	0.50	EPA-8260	ND		1
Ethyl t-butyl ether	ND	ug/L	0.50	EPA-8260	ND		1
Total Purgeable Petroleum Hydrocarbons	ND	ug/L	50	Luft-GC/MS	ND		1
1,2-Dichloroethane-d4 (Surrogate)	102	%	76 - 114 (LCL - UCL)	EPA-8260			1
Toluene-d8 (Surrogate)	97.2	%	88 - 110 (LCL - UCL)	EPA-8260			1
4-Bromofluorobenzene (Surrogate)	92.9	%	86 - 115 (LCL - UCL)	EPA-8260			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260	08/31/11	09/01/11 20:58	KEA	HPCHEM	1	BUH2389

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Project Number: 351561  
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## Volatile Organic Analysis (EPA Method 8260)

### Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
<b>QC Batch ID: BUH2389</b>						
Benzene	BUH2389-BLK1	ND	ug/L	0.50		
1,2-Dibromoethane	BUH2389-BLK1	ND	ug/L	0.50		
1,2-Dichloroethane	BUH2389-BLK1	ND	ug/L	0.50		
Ethylbenzene	BUH2389-BLK1	ND	ug/L	0.50		
Methyl t-butyl ether	BUH2389-BLK1	ND	ug/L	0.50		
Toluene	BUH2389-BLK1	ND	ug/L	0.50		
Total Xylenes	BUH2389-BLK1	ND	ug/L	1.0		
t-Amyl Methyl ether	BUH2389-BLK1	ND	ug/L	0.50		
t-Butyl alcohol	BUH2389-BLK1	ND	ug/L	10		
Diisopropyl ether	BUH2389-BLK1	ND	ug/L	0.50		
Ethanol	BUH2389-BLK1	ND	ug/L	250		
Ethyl t-butyl ether	BUH2389-BLK1	ND	ug/L	0.50		
Total Purgeable Petroleum Hydrocarbons	BUH2389-BLK1	ND	ug/L	50		
1,2-Dichloroethane-d4 (Surrogate)	BUH2389-BLK1	87.4	%	76 - 114 (LCL - UCL)		
Toluene-d8 (Surrogate)	BUH2389-BLK1	97.3	%	88 - 110 (LCL - UCL)		
4-Bromofluorobenzene (Surrogate)	BUH2389-BLK1	88.2	%	86 - 115 (LCL - UCL)		



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Project Number: 351561  
Project Manager: Travis Flora

## Volatile Organic Analysis (EPA Method 8260)

### Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits		Lab	Quals
								Percent Recovery	RPD		
<b>QC Batch ID: BUH2389</b>											
Benzene	BUH2389-BS1	LCS	23.560	25.000	ug/L	94.2		70 - 130			
Toluene	BUH2389-BS1	LCS	24.170	25.000	ug/L	96.7		70 - 130			
1,2-Dichloroethane-d4 (Surrogate)	BUH2389-BS1	LCS	10.620	10.000	ug/L	106		76 - 114			
Toluene-d8 (Surrogate)	BUH2389-BS1	LCS	10.200	10.000	ug/L	102		88 - 110			
4-Bromofluorobenzene (Surrogate)	BUH2389-BS1	LCS	10.030	10.000	ug/L	100		86 - 115			





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Project: 5760  
Project Number: 351561  
Project Manager: Travis Flora

## Volatile Organic Analysis (EPA Method 8260)

### Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Control Limits		Lab Quals
								Percent Recovery	RPD	
<b>QC Batch ID: BUH2389</b>		Used client sample: N								
Benzene	MS	1113168-44	ND	23.610	25.000	ug/L		94.4		70 - 130
	MSD	1113168-44	ND	23.770	25.000	ug/L	0.7	95.1	20	70 - 130
Toluene	MS	1113168-44	ND	23.430	25.000	ug/L		93.7		70 - 130
	MSD	1113168-44	ND	23.000	25.000	ug/L	1.9	92.0	20	70 - 130
1,2-Dichloroethane-d4 (Surrogate)	MS	1113168-44	ND	10.840	10.000	ug/L		108		76 - 114
	MSD	1113168-44	ND	11.030	10.000	ug/L	1.7	110		76 - 114
Toluene-d8 (Surrogate)	MS	1113168-44	ND	10.050	10.000	ug/L		100		88 - 110
	MSD	1113168-44	ND	10.230	10.000	ug/L	1.8	102		88 - 110
4-Bromofluorobenzene (Surrogate)	MS	1113168-44	ND	9.7700	10.000	ug/L		97.7		86 - 115
	MSD	1113168-44	ND	9.9100	10.000	ug/L	1.4	99.1		86 - 115

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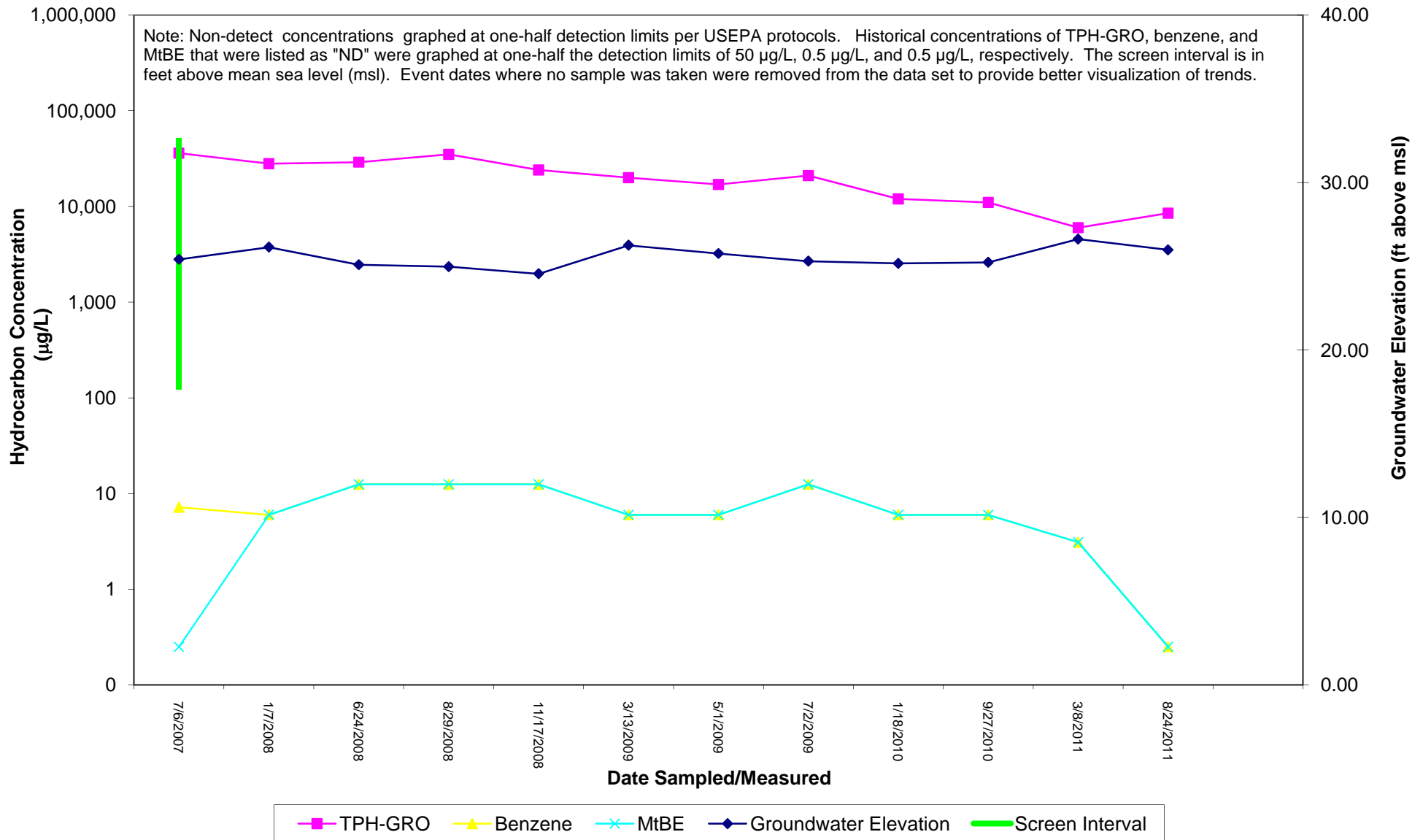
**Notes And Definitions**

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

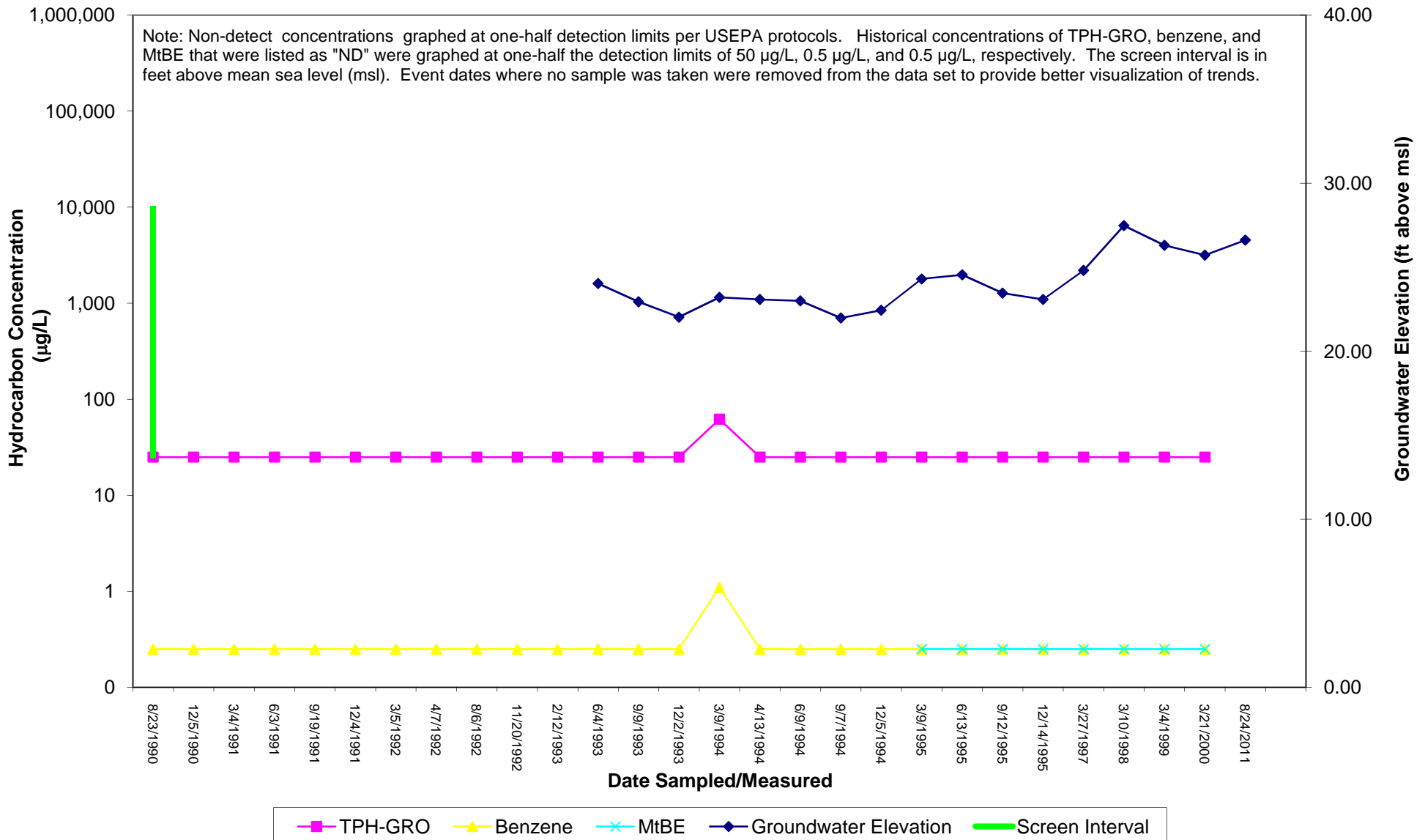
**Attachment C**

**Hydrographs**

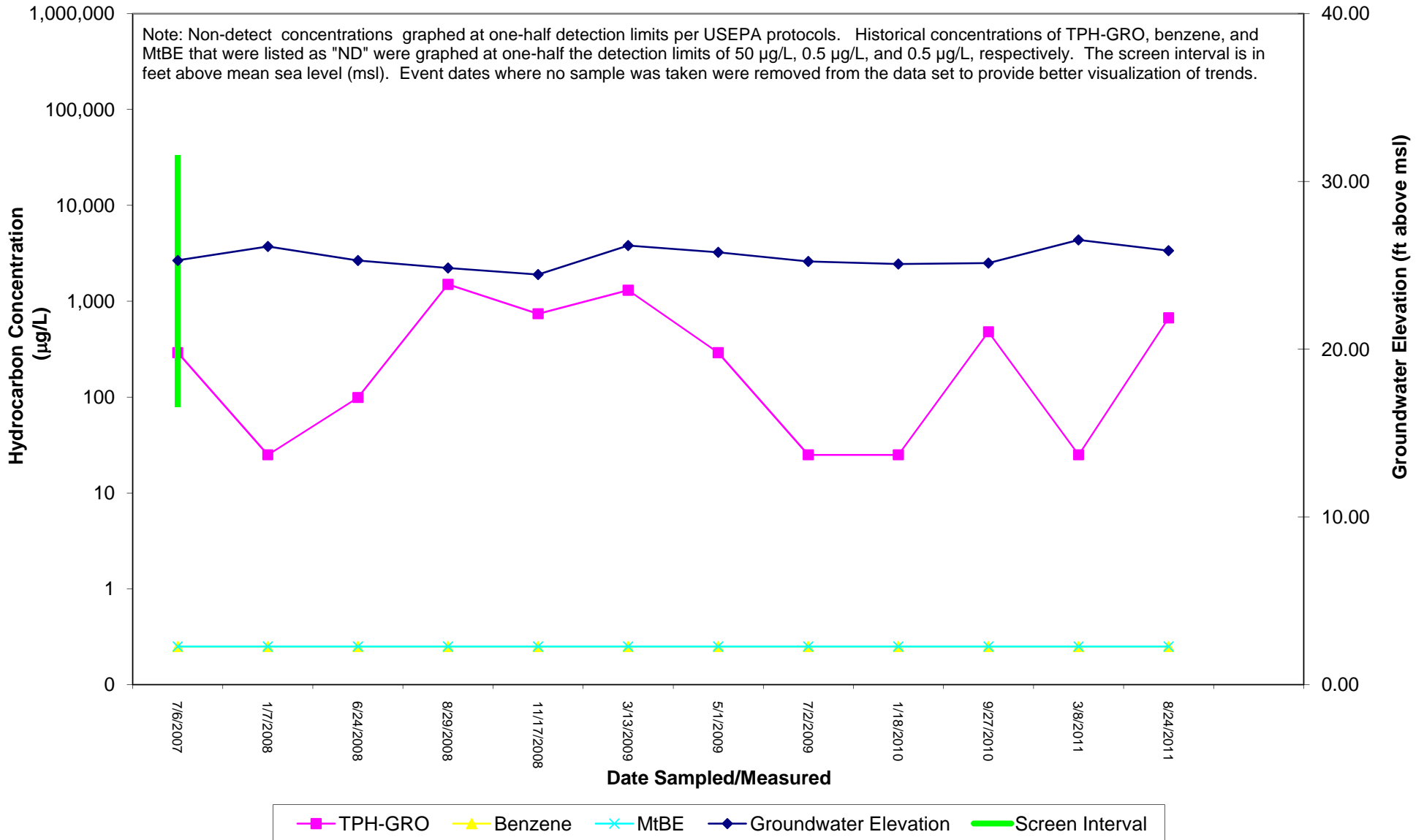
**U-1R TPH-GRO, Benzene & MtBE Concentrations and Groundwater Elevations vs. Time**  
 376 Lewelling Boulevard  
 San Lorenzo, California



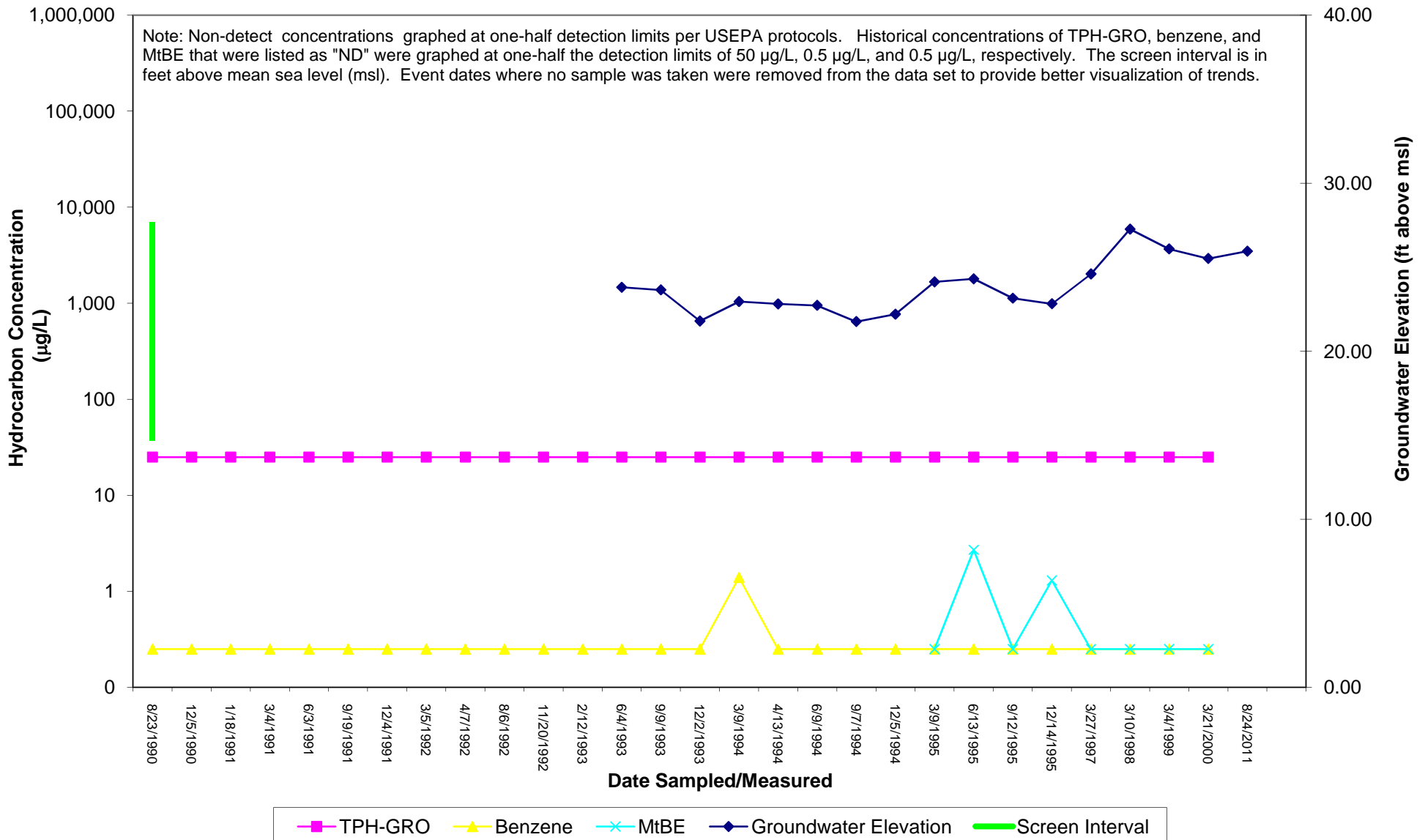
**U-2 TPH-GRO, Benzene & MtBE Concentrations and Groundwater Elevations vs. Time**  
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 San Lorenzo, California



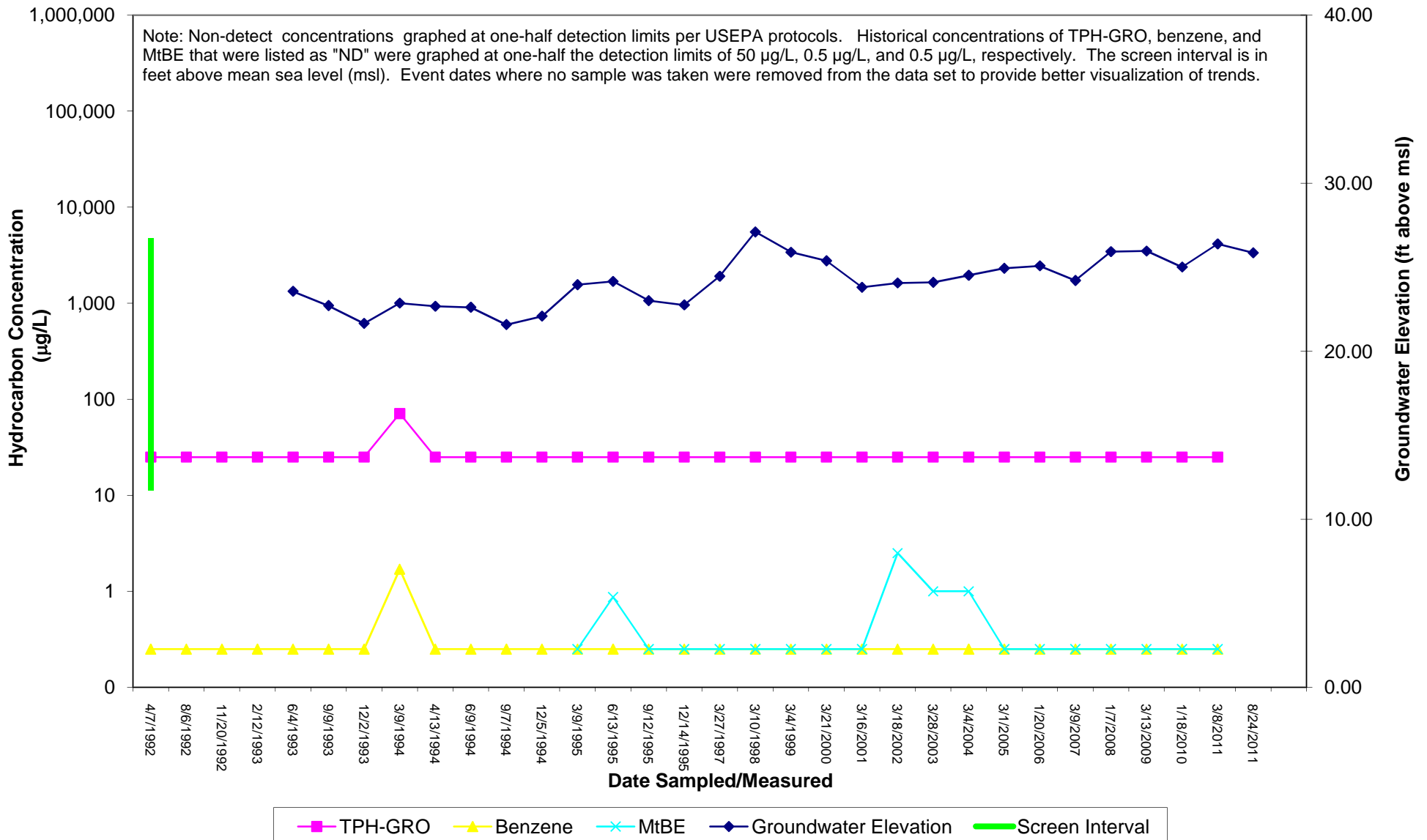
**U-3R TPH-GRO, Benzene & MtBE Concentrations and Groundwater Elevations vs. Time**  
 376 Lewelling Boulevard  
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**U-4 TPH-GRO, Benzene & MtBE Concentrations and Groundwater Elevations vs. Time**  
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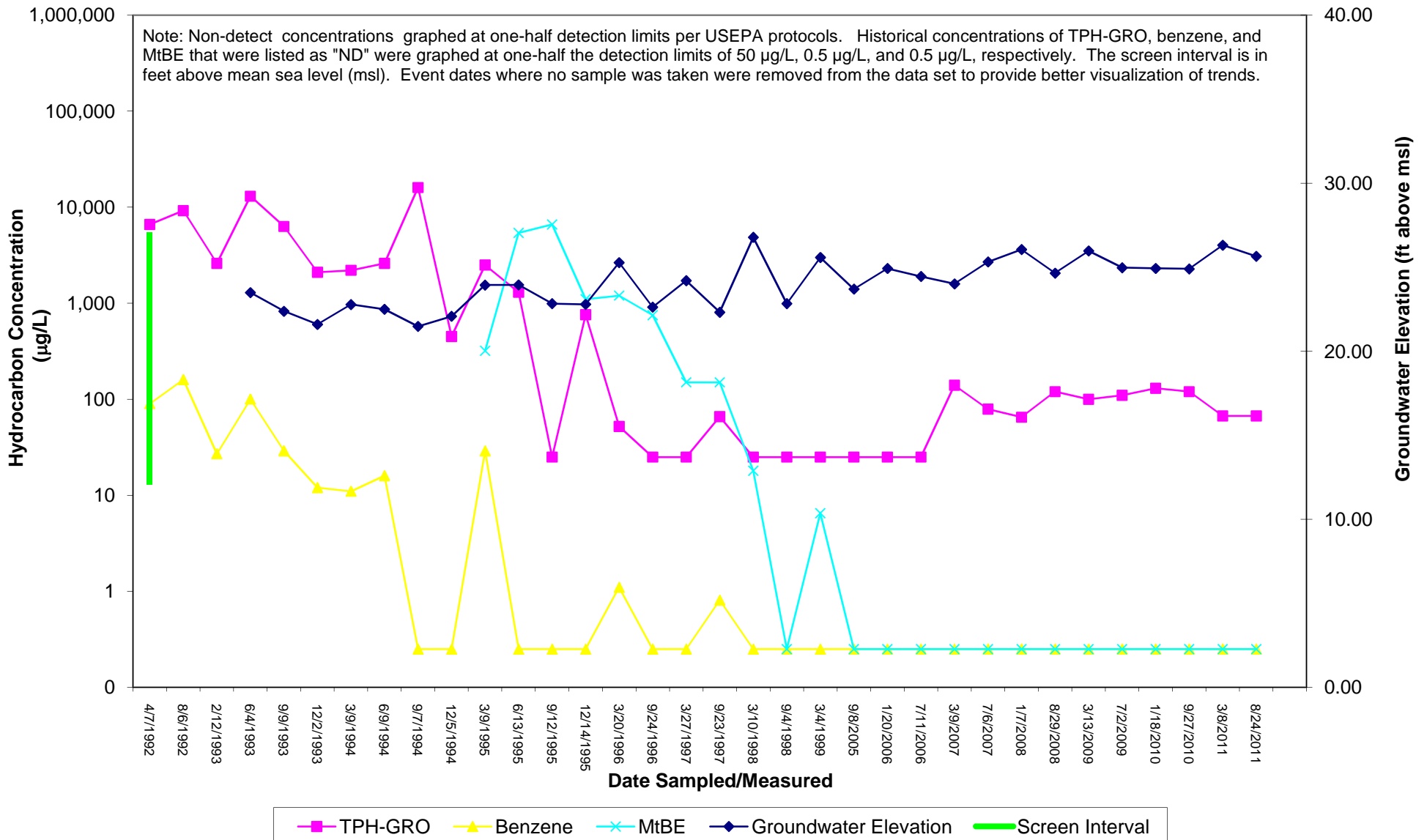


**U-5 TPH-GRO, Benzene & MtBE Concentrations and Groundwater Elevations vs. Time**  
 376 Lewelling Boulevard  
 San Lorenzo, California

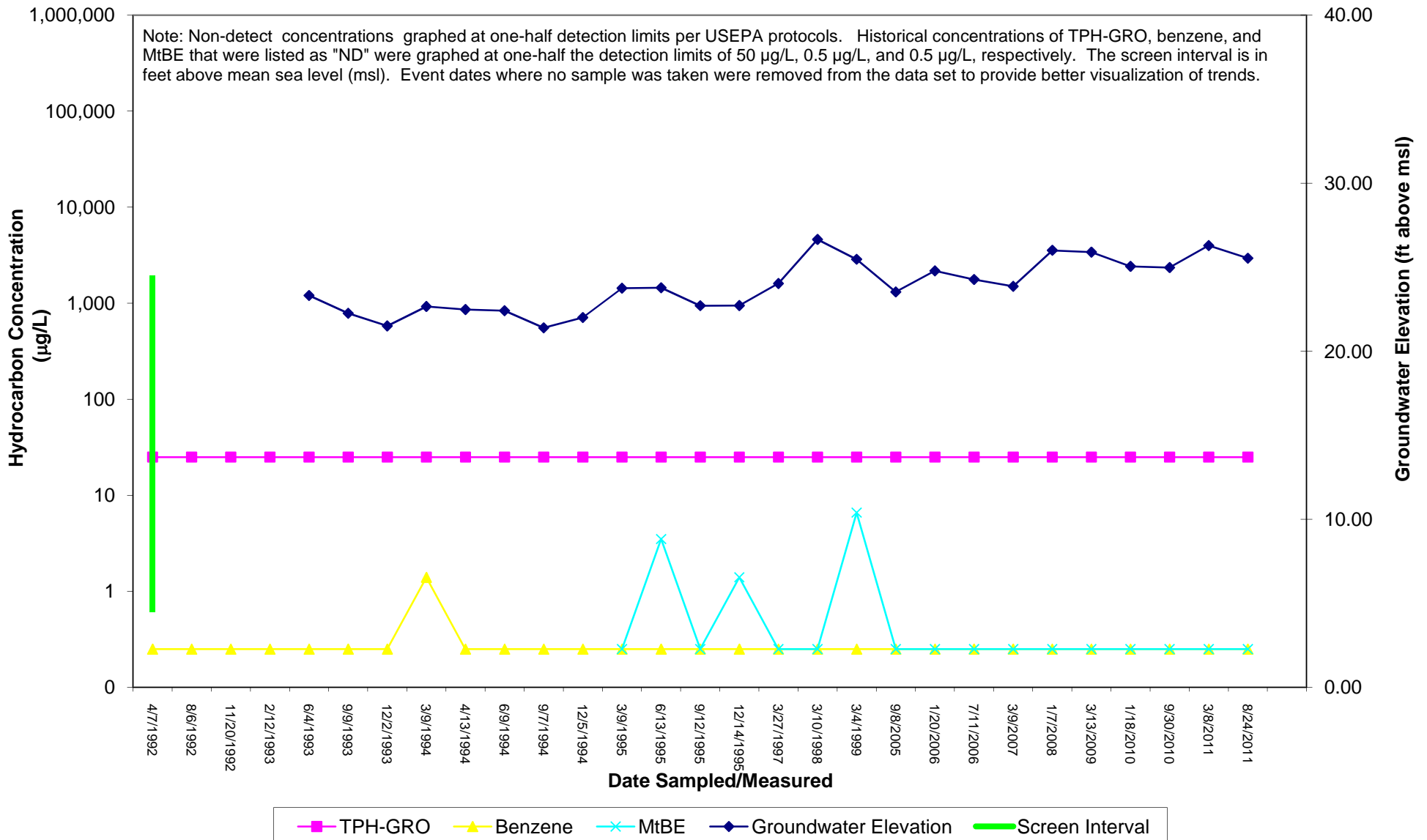




**U-6 TPH-GRO, Benzene & MtBE Concentrations and Groundwater Elevations vs. Time**  
 376 Lewelling Boulevard  
 San Lorenzo, California

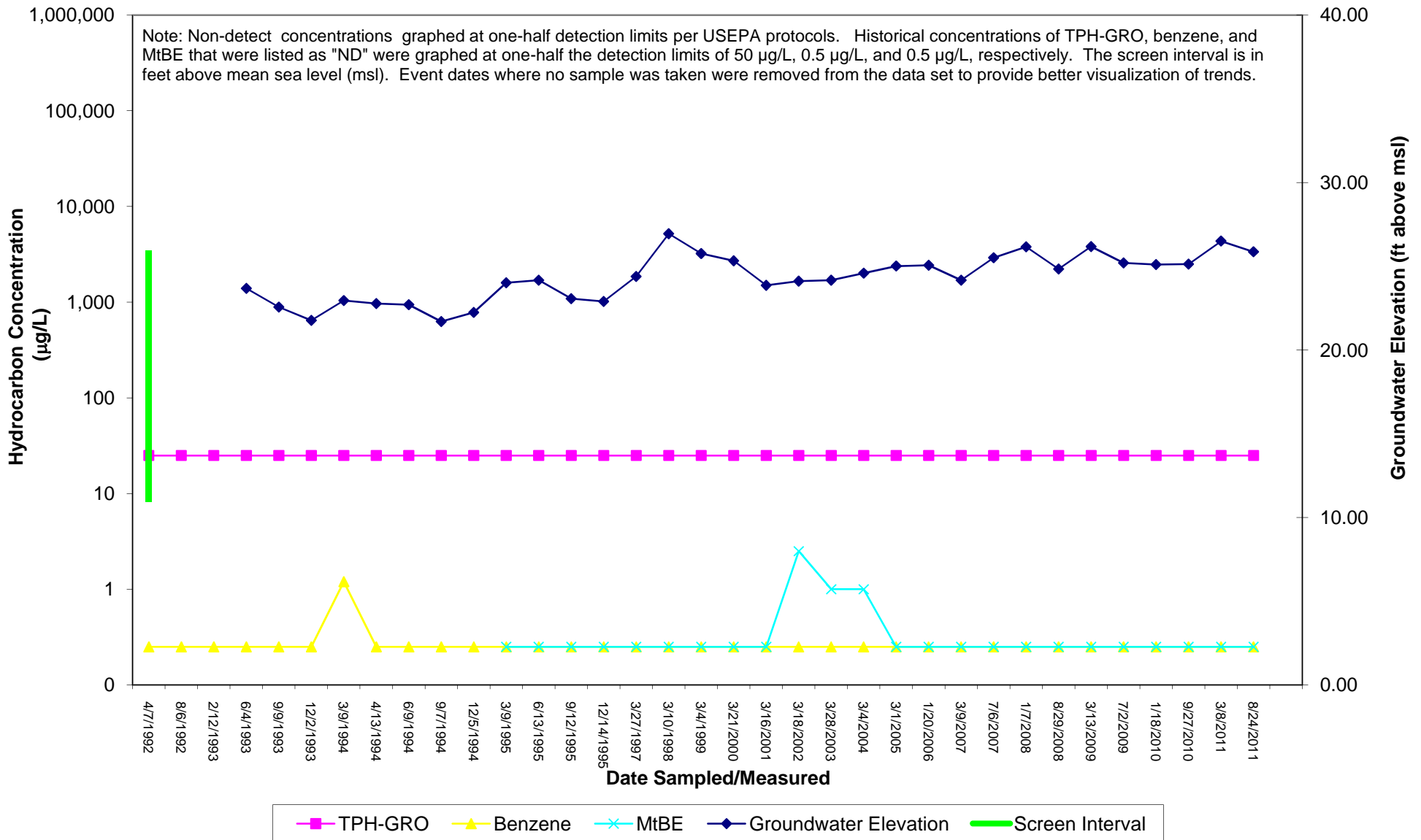


**U-7 TPH-GRO, Benzene & MtBE Concentrations and Groundwater Elevations vs. Time**  
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 San Lorenzo, California



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

376 Lewelling Boulevard  
San Lorenzo, California



**U-9 TPH-GRO, Benzene & MtBE Concentrations and Groundwater Elevations vs. Time**  
 376 Lewelling Boulevard  
 San Lorenzo, California

