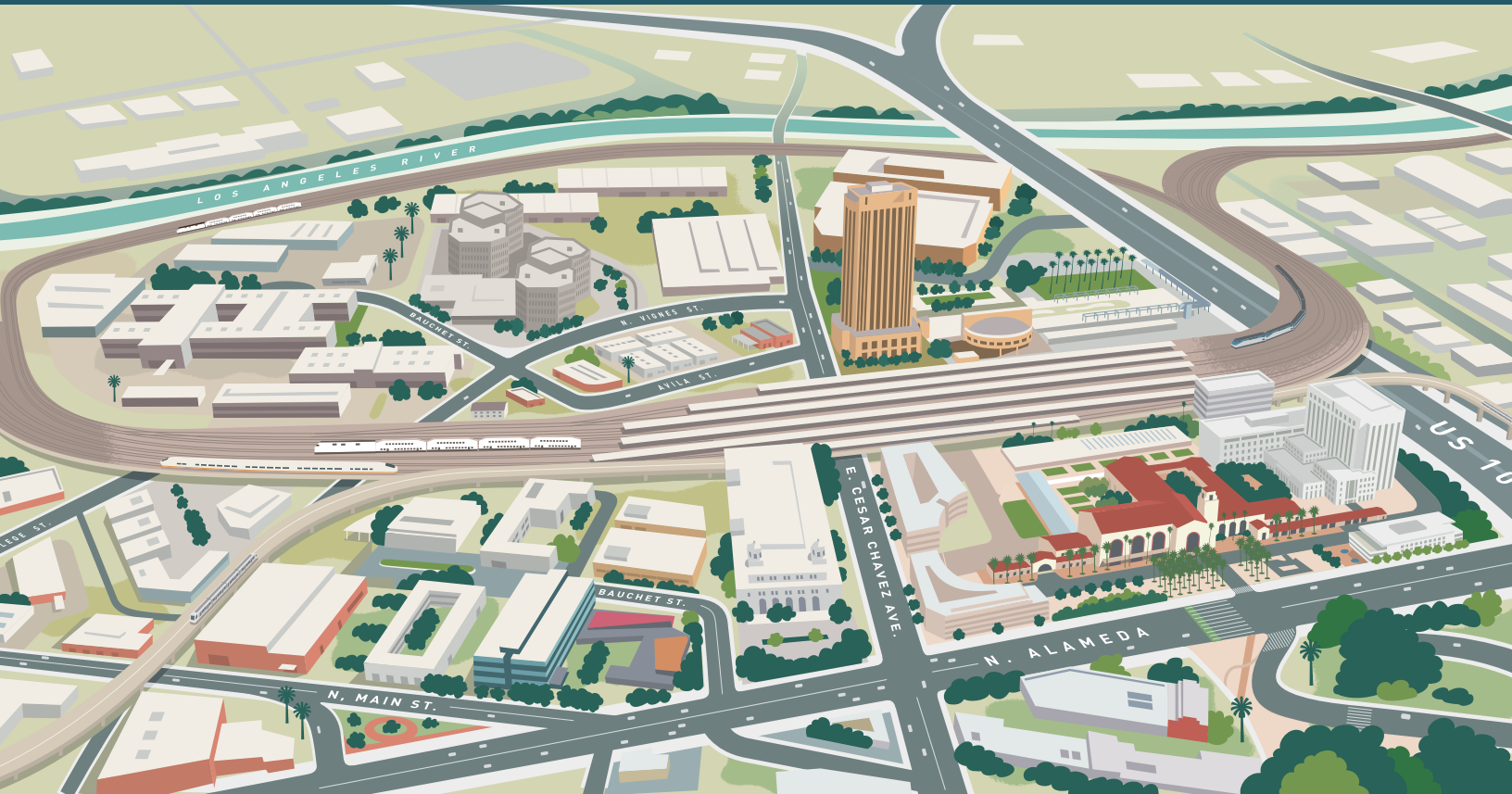


# Link Union Station

DRAFT – Phase I Environmental Site Assessment

October 2016



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- Dissolved-phase vinyl chloride was detected in each of the groundwater well samples at concentrations from 2.1 ug/L (MW-3) to 67.7 ug/L (MW-6). Vinyl chloride results were generally higher than the last quarter results. The results from wells MW-12 and MW-13 were lower than last quarter. The historic high concentration of vinyl chloride was 237.9 ug/L measured on December 10, 2010 (Table 3, Figure 8).
- Dissolved-phase cis-1,2-DCE was detected in eleven of the groundwater well samples at concentrations from 3.0 ug/L (MW-4) to 69.6 ug/L (MW-2). The cis-1,2-DCE results from this quarter were higher in a majority of the wells compared to the last quarter results. The historic high dissolved-phase cis-1,2-DCE concentration was 178.6 ug/L in well MW-8 on June 11, 2004 (Table 3, Figure 7).
- Dissolved-phase trans-1,2-DCE was detected in seven of the groundwater well samples at a concentration from 0.8 ug/L (MW-7) to 4.9 ug/L (MW-2). The historic high dissolved-phase trans-1,2-DCE concentration was 40.1 ug/L in well MW-2 on December 31, 2004 (Table 3).
- Dissolved-phase isopropylbenzene was detected in nine of the groundwater well samples at concentrations from 1.4 ug/L (MW-6) to 140.2 ug/L (MW-11). Isopropylbenzene concentrations were similar to last quarter results except for well MW-11, where it was significantly lower. The historic high dissolved-phase isopropylbenzene concentration, 344.8 ug/L, was in well MW-11 from the third quarter 2013 sampling event (Table 3).
- Dissolved-phase naphthalene was detected in five of the groundwater well samples at concentrations from 11 ug/L (MW-6) to 2,410 ug/L (MW-11) (Table 5, Figure 9).

Tables 1 through 5 provide the latest and historical groundwater levels and summaries of analytical results. Appendix B contains the latest laboratory report and chain-of-custody record. If any manifests for waste transport were received within the last quarter, they are provided in Appendix C.

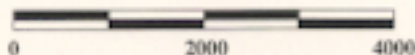
## SUMMARY AND CONCLUSIONS

The following summary and conclusions are based on the results of this sampling event:

- The groundwater elevations in the sampled wells increased an average of 0.20 feet since the previous sampling event on December 27, 2015, the second consecutive rise in groundwater levels. The historic high elevation was 254.61 feet MSL measured on September 14, 2001. The historic low average elevation was 250.31 feet MSL measured on September 14, 2015.
- Groundwater flow is towards the south and the Los Angeles River at a gradient of 0.001 ft/ft. This gradient and flow direction have not significantly changed since the last sampling event.
- Potable water is not produced within at least 2 miles of the site. The nearest wells, within 1 mile or less, have been designated as inactive since at least 1975.
- Consistently elevated concentrations of volatile and semivolatile organics exist in groundwater below the site.
- Vinyl chloride results were generally higher than last quarter results. Detectable vinyl chloride has been detected in all of the wells at the site.
- Based on the occurrence (location and concentrations) of impacted groundwater and the consistent groundwater gradient below the site, contributions from both historical onsite and upgradient sources of contamination appear to have occurred. These sources may have been refined fuels from UST releases as well as various contaminants from the earlier manufactured gas plant.
- The next quarterly monitoring and sampling event is scheduled to occur in June 2016.



SCALE  
(feet)



Base Map - USGS 7.5 Minute Quadrangle, Los Angeles



NORTH



**PINNACLE**  
ENVIRONMENTAL TECHNOLOGIES

#2 Santa Maria, Foothill Ranch, CA 92610  
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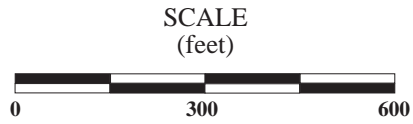
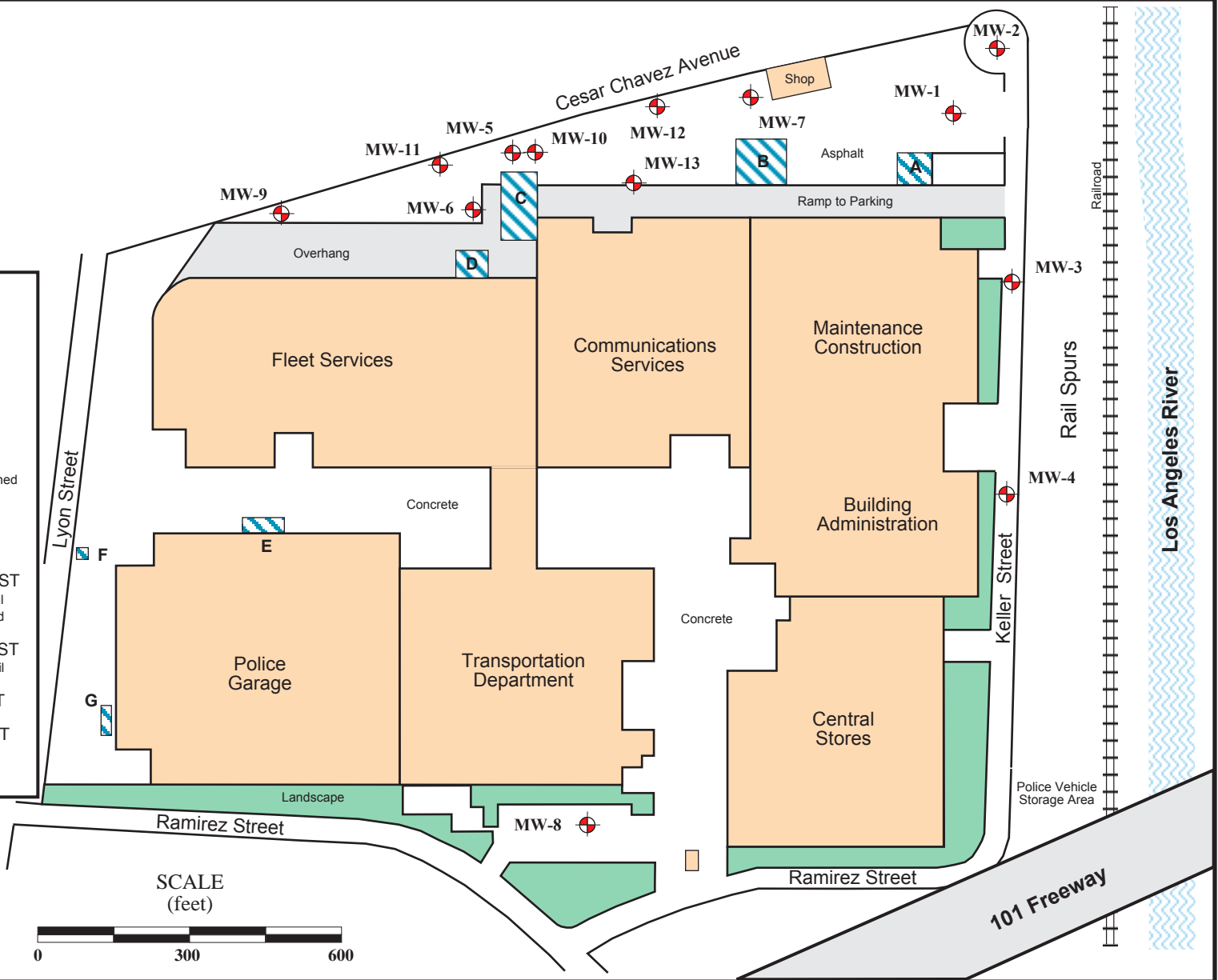
Site  
Location  
Map

Figure  
1



**LEGEND**

-  UST Areas
- A = Aviation Tanks -  
2X 12,000 Jet A  
1X 4,000 Diesel  
Replacement pending
- B = Former UST Area  
2X 20,000 unused/abandoned  
1X 12,000 diesel
- C = Former UST Area  
2X 12,000 gasoline
- D = Former/Replaced UST  
2X 5,500 motor & waste oil  
1X 1,500 transmission fluid
- E = Former/Replaced UST  
2X 5,500 motor & waste-oil
- F = New Waste-Oil UST
- G = 12,000 gasoline UST
-  Monitoring Well Location



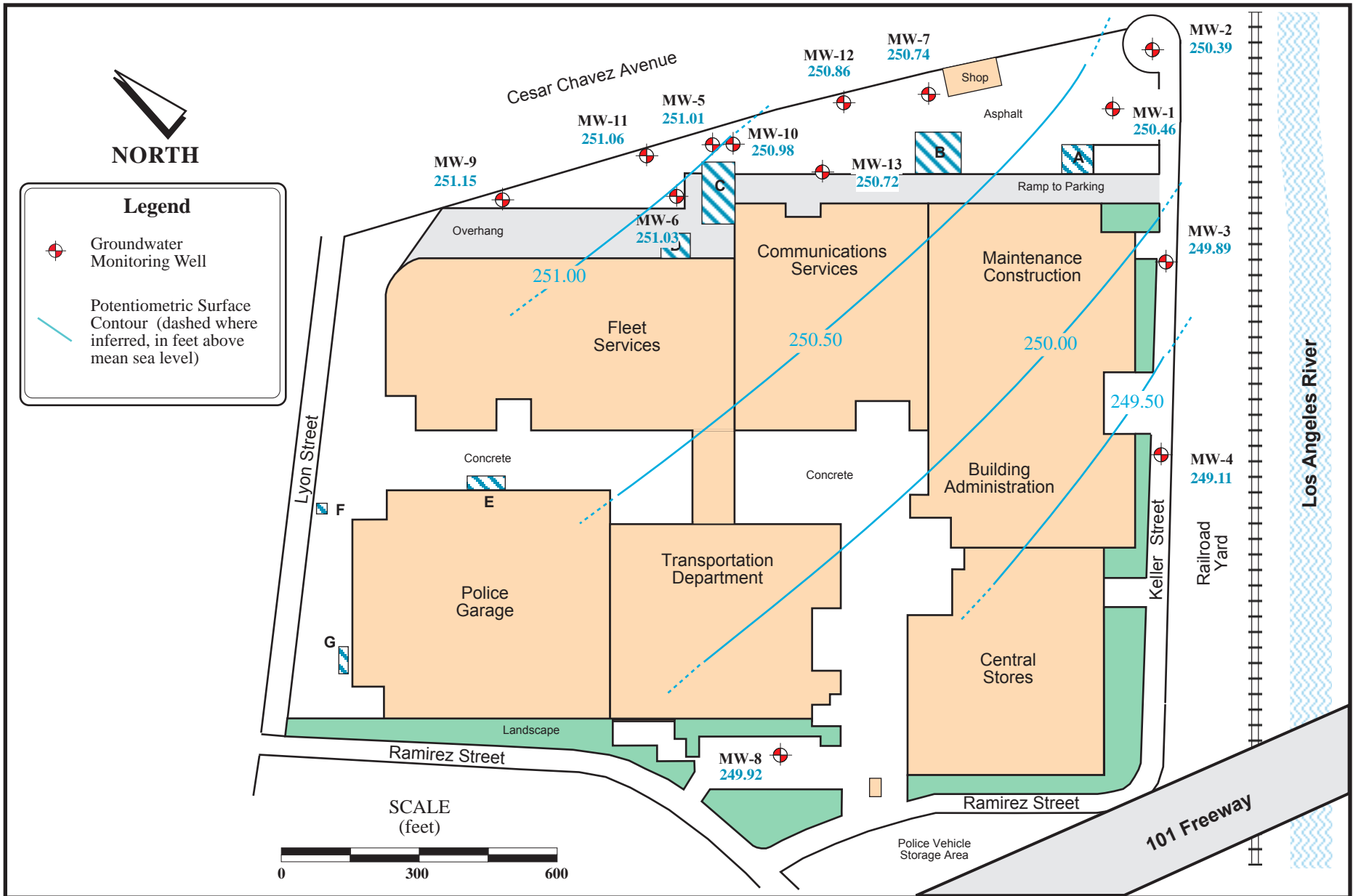
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**Los Angeles, California**

**Well**  
**Location**  
**Map**

**Figure**  
**2**



**PINNACLE**

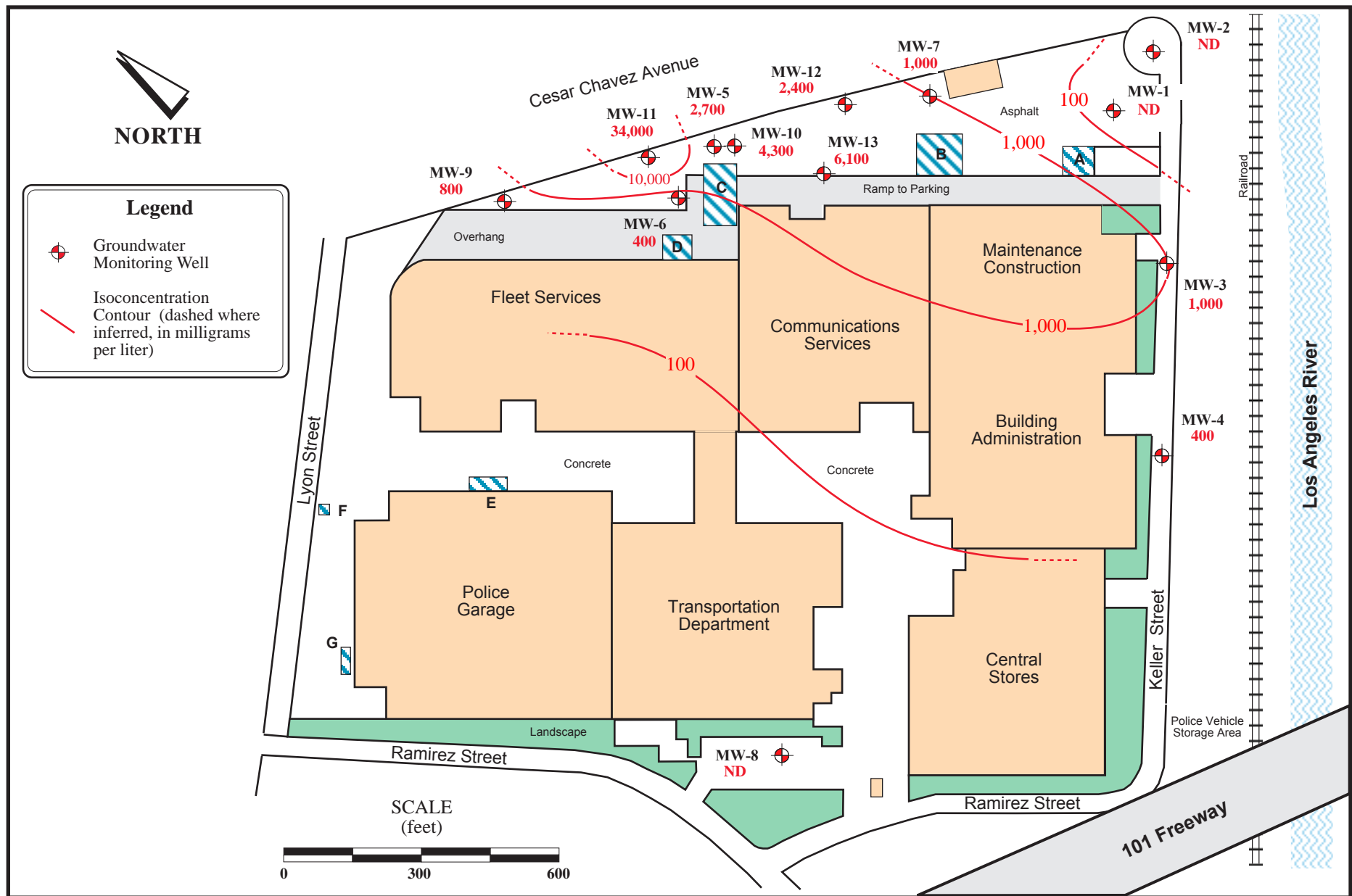
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**Groundwater**  
**Elevation Map**  
March 21, 2016

**Figure**  
**3**



**PINNACLE**  
ENVIRONMENTAL TECHNOLOGIES

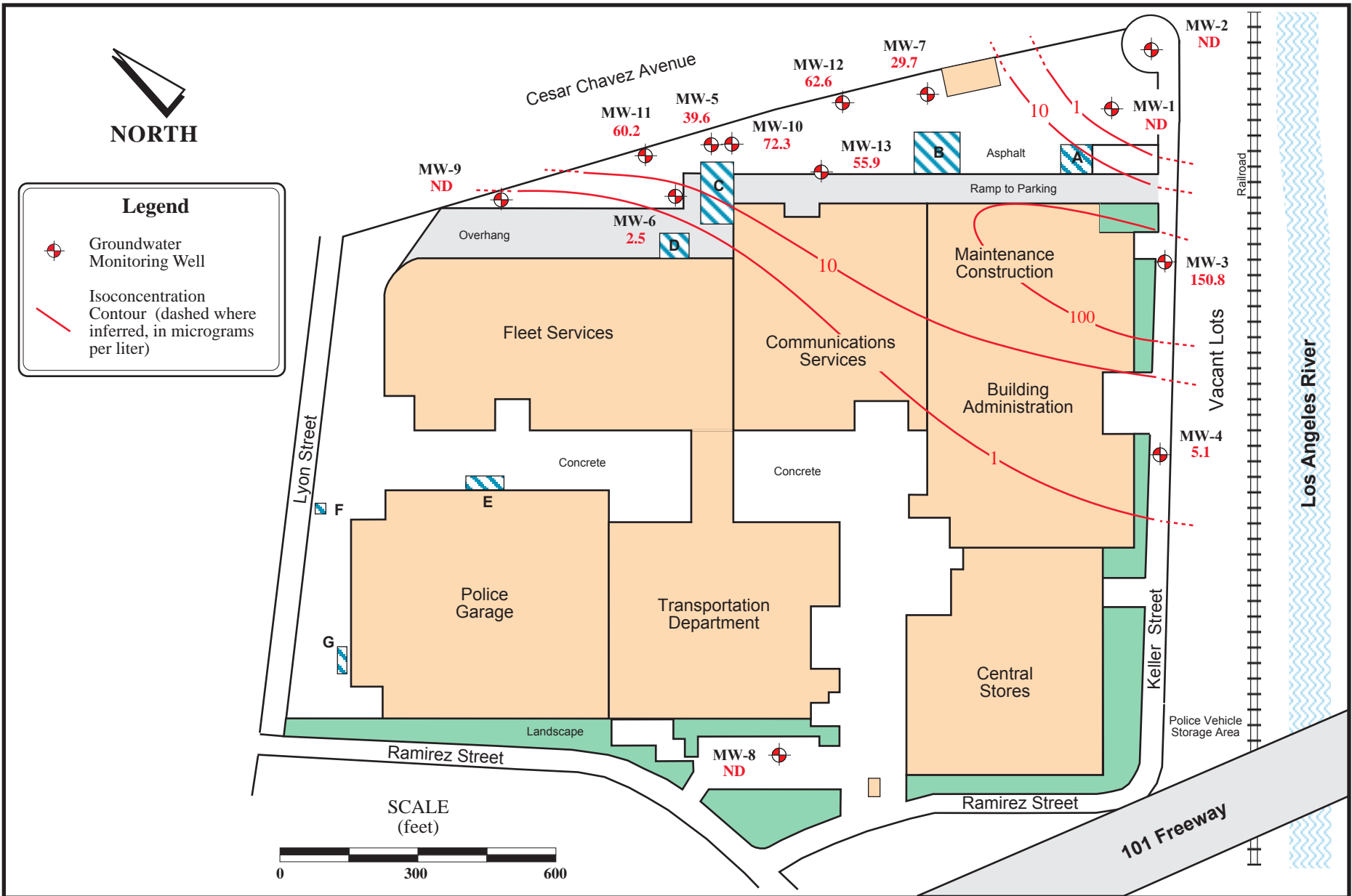
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**Dissolved Phase TPHG**  
**Isoconcentration Map**  
March 21, 2016

**Figure**  
**4**





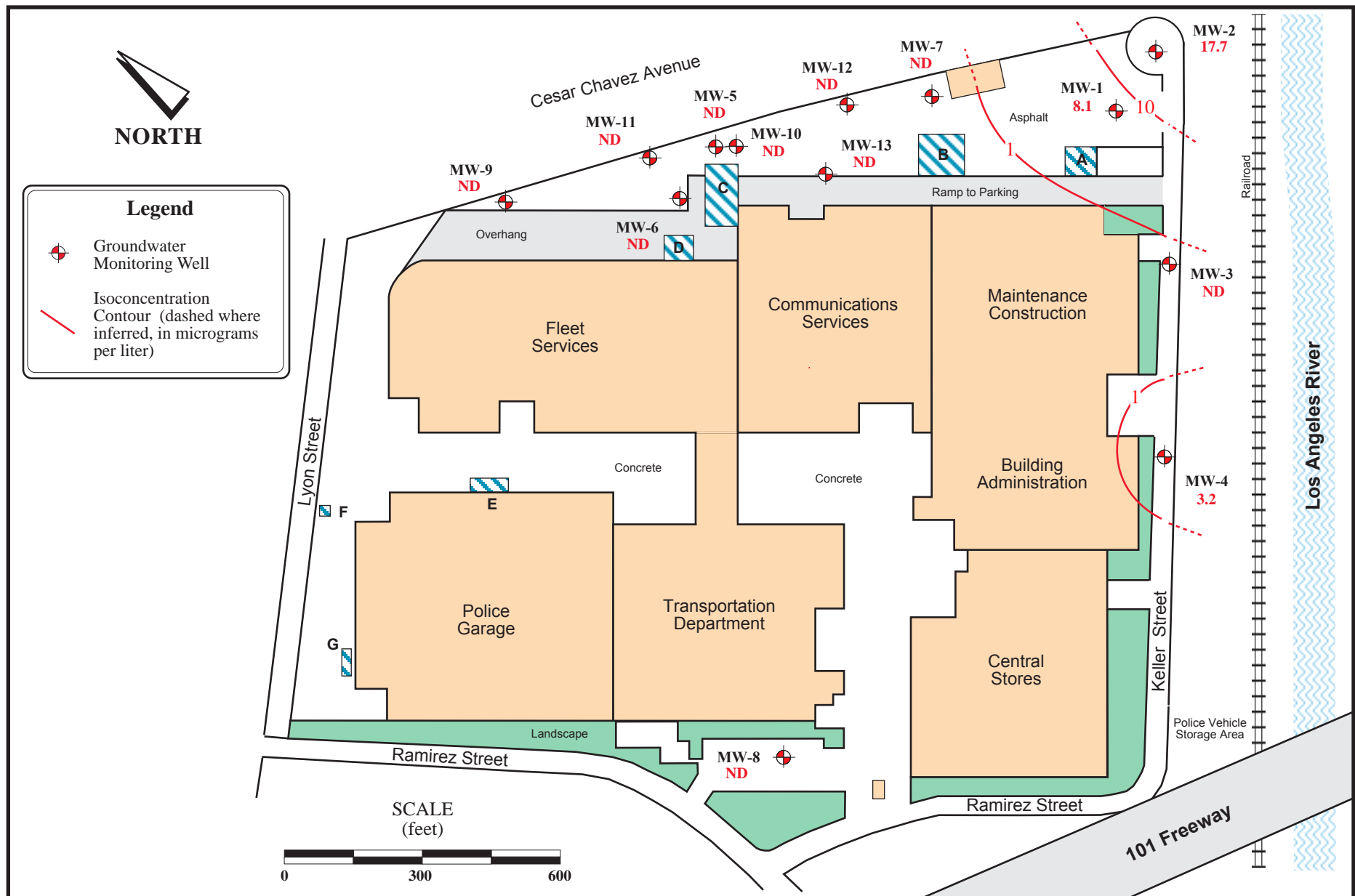
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**Dissolved-Phase Benzene**  
**Isoconcentration Map**  
March 21, 2016

**Figure**  
**5**



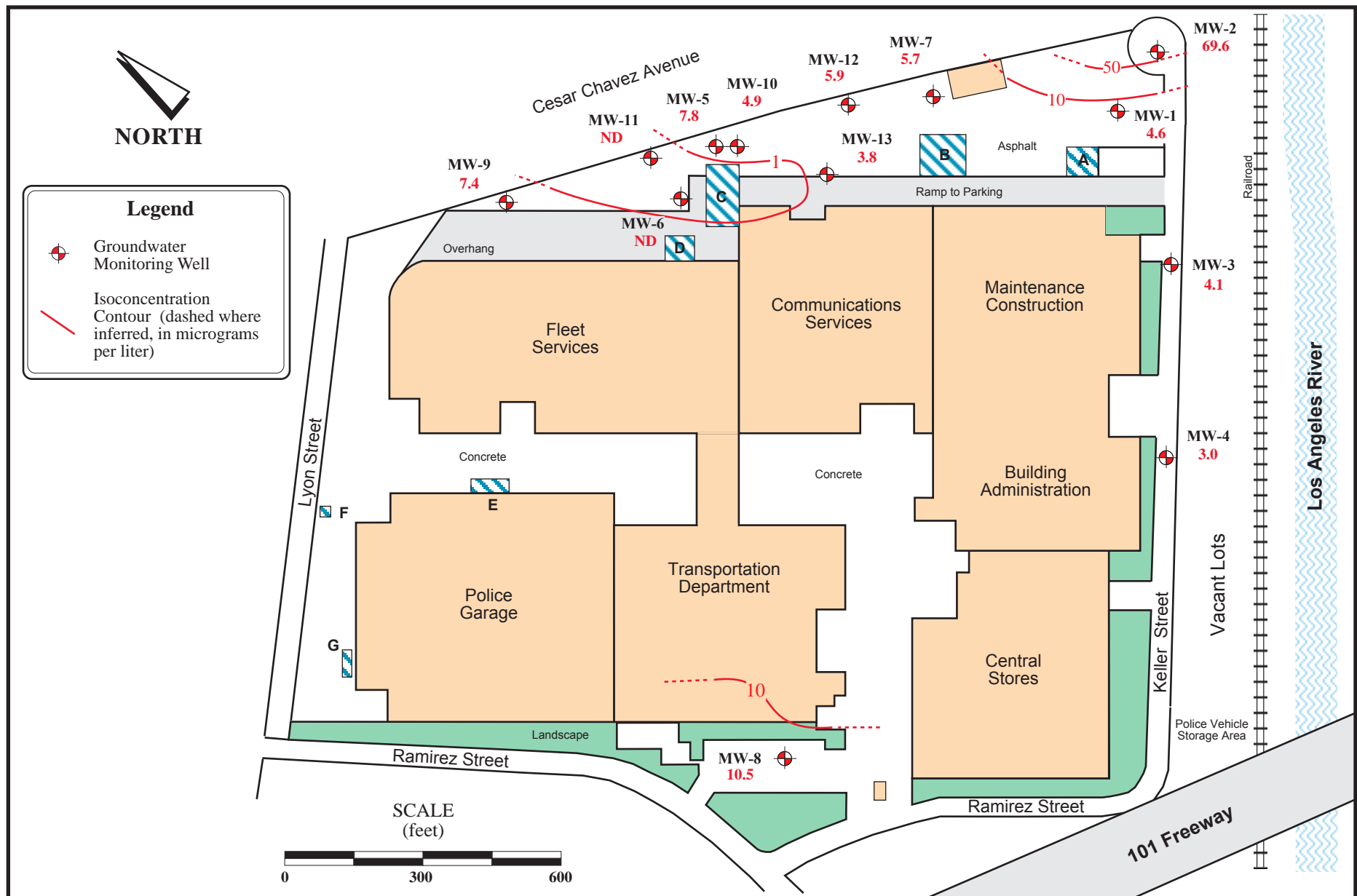
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**Dissolved-Phase MTBE**  
**Isoconcentration Map**  
March 21, 2016

**Figure**  
**6**



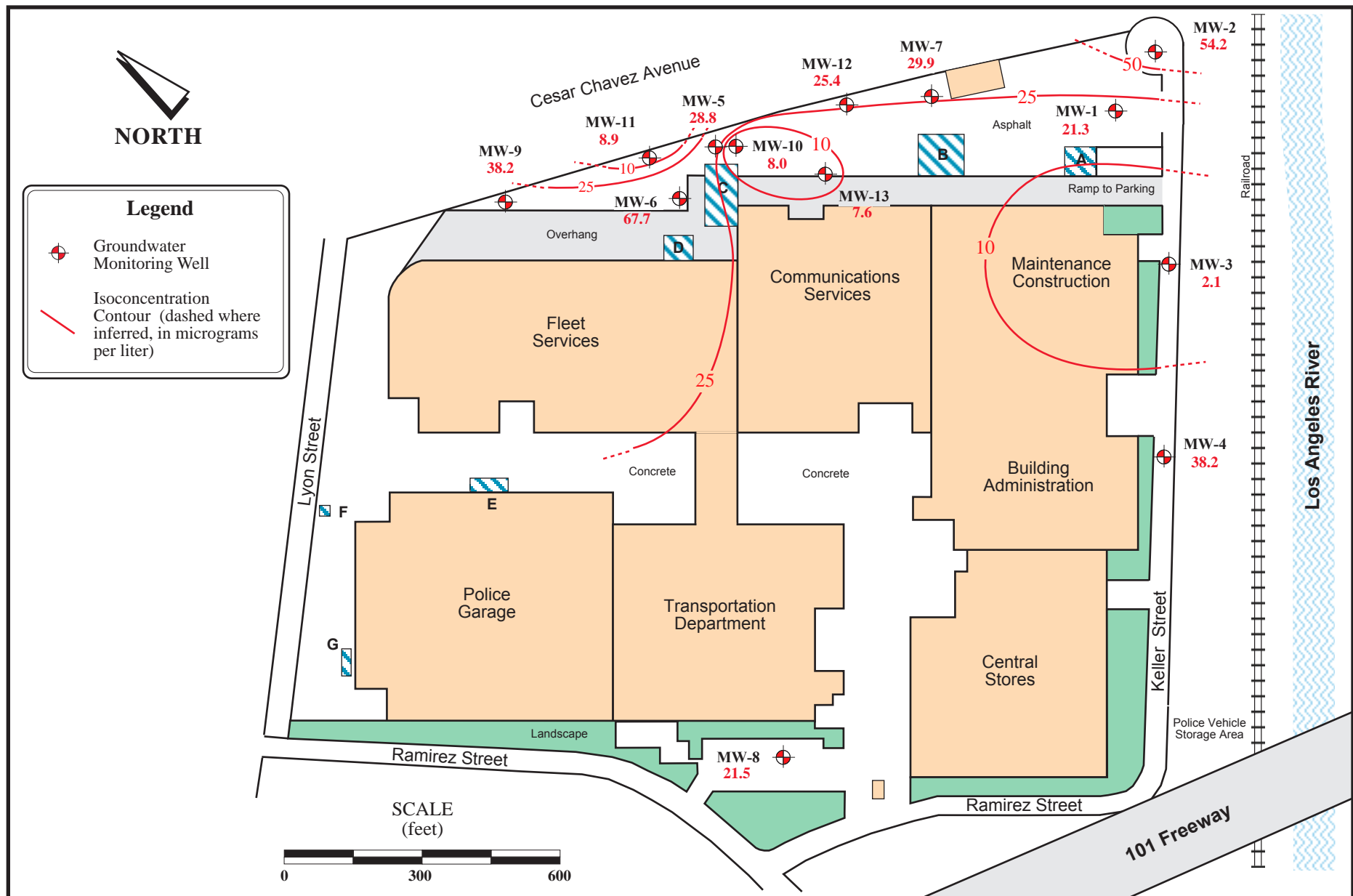
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**Dissolved-Phase cis-1,2-DCE**  
**Isoconcentration Map**  
March 21, 2016

**Figure**  
**7**



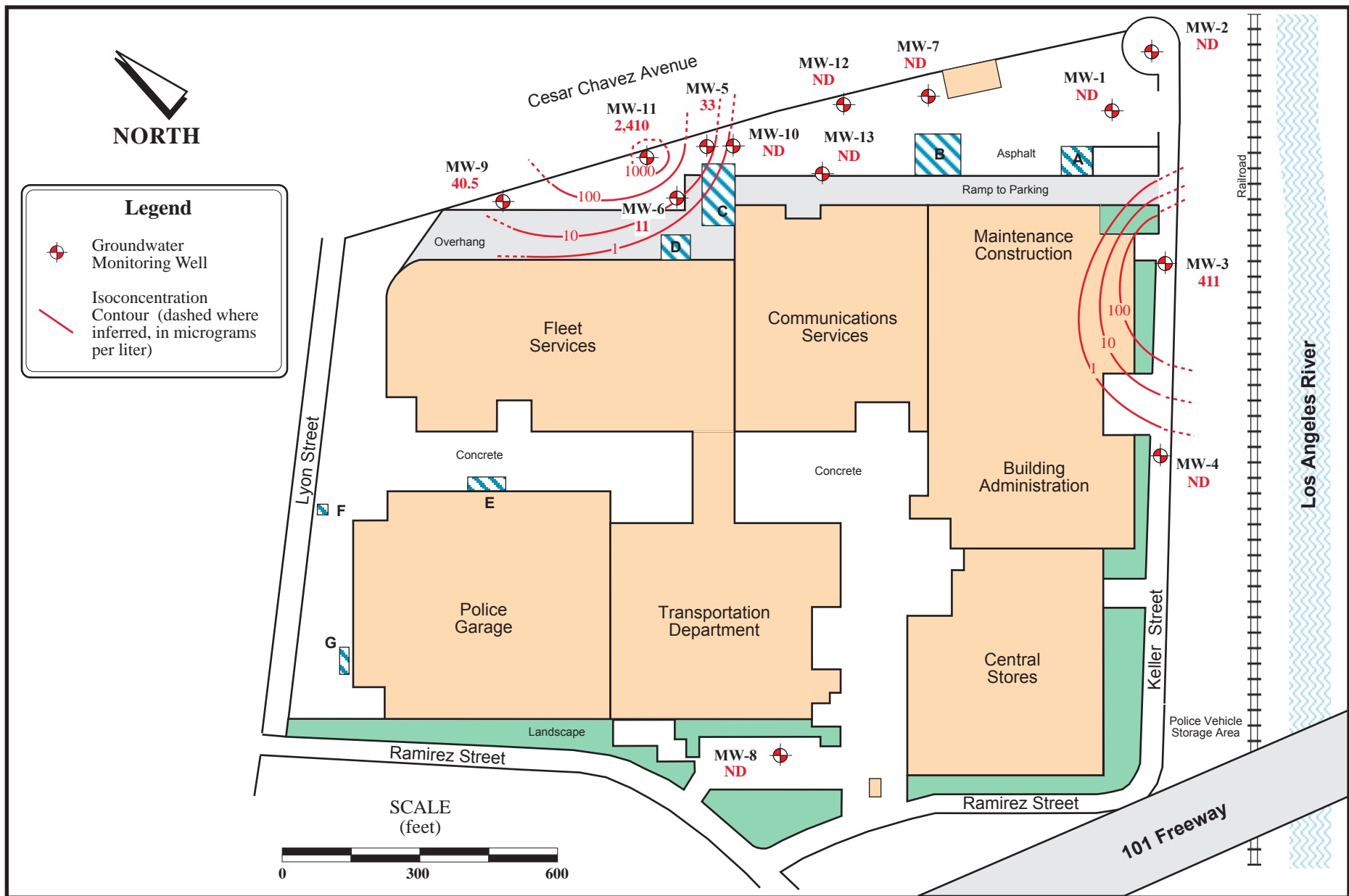
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**Dissolved-Phase Vinyl Chloride**  
**Isoconcentration Map**  
March 21, 2016

**Figure**  
**8**



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**Los Angeles, California**

**Dissolved-Phase Naphthalene**  
**Isoconcentration Map**  
March 21, 2016

**Figure**  
**9**

**TABLE 1**  
**SUMMARY OF GROUNDWATER RESULTS**  
**GROUNDWATER ELEVATION DATA**

**PIPER TECHNICAL CENTER**  
555 Ramirez Street  
Los Angeles, California

<b>Well ID</b>	<b>Top of Casing Elevation</b>	<b>Date</b>	<b>Depth to Groundwater</b>	<b>Groundwater Elevation</b>	<b>Free Product Thickness</b>
MW-1	283.05	10/26/2000	28.45	254.60	0.00
		3/30/2001	28.48	254.57	0.00
		9/14/2001	28.52	254.53	0.00
		11/9/2001	28.59	254.46	0.00
		3/6/2002	28.62	254.43	0.00
		12/10/2002	28.91	254.14	0.00
		3/18/2003	29.87	253.18	0.00
		6/18/2003	30.26	252.79	0.00
		9/16/2003	30.70	252.35	0.00
		12/12/2003	31.09	251.96	0.00
		3/19/2004	31.38	251.67	0.00
		6/11/2004	31.40	251.65	0.00
		8/20/2004	31.55	251.50	0.00
		1/12/2005	31.10	251.95	0.00
		4/15/2005	30.61	252.44	0.00
	6/23/2005	30.17	252.88	0.00	
	8/26/2005	30.07	252.98	0.00	
	1/15/2007	31.23	251.82	0.00	
	10/8/2009	32.48	250.57	0.00	
	12/21/2009	32.67	250.38	0.00	
	3/22/2010	32.43	250.62	0.00	
	6/15/2010	32.44	250.61	0.00	
	9/20/2010	32.62	250.43	0.00	
	12/28/2010	31.89	251.16	0.00	
	3/8/2011	32.07	250.98	0.00	
6/14/2011	32.12	250.93	0.00		
9/8/2011	32.23	250.82	0.00		
12/22/2011	32.28	250.77	0.00		
3/16/2012	32.26	250.79	0.00		
5/29/2012	32.24	250.81	0.00		
9/11/2012	32.26	250.79	0.00		
11/29/2012	32.41	250.64	0.00		
283.01	3/12/2013	32.30	250.71	0.00	
6/11/2013	32.23	250.78	0.00		
9/20/2013	32.39	250.62	0.00		
12/17/2013	32.37	250.64	0.00		
3/31/2014	32.08	250.93	0.00		

**TABLE 1**  
**SUMMARY OF GROUNDWATER RESULTS**  
**GROUNDWATER ELEVATION DATA**

**PIPER TECHNICAL CENTER**  
555 Ramirez Street  
Los Angeles, California

<b>Well ID</b>	<b>Top of Casing Elevation</b>	<b>Date</b>	<b>Depth to Groundwater</b>	<b>Groundwater Elevation</b>	<b>Free Product Thickness</b>
MW-1		6/17/2014	32.38	250.63	0.00
(cont.)		9/26/2014	32.36	250.65	0.00
		12/5/2014	32.52	250.49	0.00
		3/10/2015	32.56	250.45	0.00
		6/24/2015	32.67	250.34	0.00
		9/14/2015	32.74	250.27	0.00
		12/27/2015	32.75	250.26	0.00
		3/21/2016	32.55	250.46	0.00

**TABLE 1**  
**SUMMARY OF GROUNDWATER RESULTS**  
**GROUNDWATER ELEVATION DATA**

**PIPER TECHNICAL CENTER**  
555 Ramirez Street  
Los Angeles, California

Well ID	Top of Casing Elevation	Date	Depth to Groundwater	Groundwater Elevation	Free Product Thickness
MW-2	281.40	10/26/2000	26.88	254.52	0.00
		3/30/2001	26.91	254.49	0.00
		9/14/2001	26.95	254.45	0.00
		11/9/2001	27.02	254.38	0.00
		3/6/2002	27.05	254.35	0.00
		12/10/2002	27.34	254.06	0.00
		3/18/2003	28.30	253.10	0.00
		6/18/2003	28.69	252.71	0.00
		9/16/2003	29.13	252.27	0.00
		12/12/2003	29.52	251.88	0.00
		3/19/2004	29.81	251.59	0.00
		6/11/2004	29.83	251.57	0.00
		8/20/2004	29.98	251.42	0.00
		1/12/2005	29.53	251.87	0.00
		4/15/2005	29.04	252.36	0.00
		6/23/2005	28.60	252.80	0.00
		8/26/2005	28.50	252.90	0.00
		1/15/2007	29.66	251.74	0.00
		10/8/2009	30.94	250.46	0.00
		12/21/2009	31.15	250.25	0.00
		3/22/2010	30.88	250.52	0.00
		6/15/2010	30.90	250.50	0.00
		9/20/2010	31.08	250.32	0.00
		12/28/2010	30.32	251.08	0.00
		3/8/2011	30.55	250.85	0.00
		6/14/2011	30.60	250.80	0.00
		9/8/2011	30.72	250.68	0.00
12/22/2011	30.76	250.64	0.00		
3/16/2012	30.72	250.68	0.00		
5/29/2012		not accessible - paved over			
9/11/2012		not accessible - paved over			
11/29/2012		not accessible - paved over			
3/12/2013	281.37	30.75	250.62	0.00	
6/11/2013		30.69	250.68	0.00	
9/20/2013		30.84	250.53	0.00	
12/17/2013		30.82	250.55	0.00	
3/31/2014		30.51	250.86	0.00	



**TABLE 1**  
**SUMMARY OF GROUNDWATER RESULTS**  
**GROUNDWATER ELEVATION DATA**

**PIPER TECHNICAL CENTER**  
555 Ramirez Street  
Los Angeles, California

<b>Well ID</b>	<b>Top of Casing Elevation</b>	<b>Date</b>	<b>Depth to Groundwater</b>	<b>Groundwater Elevation</b>	<b>Free Product Thickness</b>
MW-2		6/17/2014	30.82	250.55	0.00
<i>(cont.)</i>		9/26/2014	31.01	250.36	0.00
		12/5/2014	30.95	250.42	0.00
		3/10/2015	30.99	250.38	0.00
		6/24/2015	31.08	250.29	0.00
		9/14/2015	31.17	250.20	0.00
		12/27/2015	31.18	250.19	0.00
		3/21/2016	30.98	250.39	0.00

**TABLE 1**  
**SUMMARY OF GROUNDWATER RESULTS**  
**GROUNDWATER ELEVATION DATA**

**PIPER TECHNICAL CENTER**  
555 Ramirez Street  
Los Angeles, California

<b>Well ID</b>	<b>Top of Casing Elevation</b>	<b>Date</b>	<b>Depth to Groundwater</b>	<b>Groundwater Elevation</b>	<b>Free Product Thickness</b>	
MW-3	280.16	10/26/2000	26.19	253.97	0.00	
		3/30/2001	26.22	253.94	0.00	
		9/14/2001	26.26	253.90	0.00	
		11/9/2001	26.33	253.83	0.00	
		3/6/2002	26.36	253.80	0.00	
		12/10/2002	26.65	253.51	0.00	
		3/18/2003	27.61	252.55	0.00	
		6/18/2003	28.00	252.16	0.00	
		9/16/2003	28.44	251.72	0.00	
		12/12/2003	28.83	251.33	0.00	
		3/19/2004	29.12	251.04	0.00	
		6/11/2004	29.14	251.02	0.00	
		8/20/2004	29.29	250.87	0.00	
		1/12/2005	28.84	251.32	0.00	
		4/15/2005	28.35	251.81	0.00	
		6/23/2005	27.91	252.25	0.00	
		8/26/2005	27.81	252.35	0.00	
		1/15/2007	28.97	251.19	0.00	
		10/8/2009	280.16	30.19	249.97	0.00
		12/21/2009		30.31	249.85	0.00
	3/22/2010		30.03	250.13	0.00	
	6/15/2010		30.11	250.05	0.00	
	9/20/2010		30.31	249.85	0.00	
	12/28/2010		29.63	250.53	0.00	
	3/8/2011		29.74	250.42	0.00	
	6/14/2011		29.75	250.41	0.00	
	9/8/2011		29.93	250.23	0.00	
12/22/2011		29.96	250.20	0.00		
3/16/2012		29.95	250.21	0.00		
		5/29/2012	not accessible - paved over			
		9/11/2012	not accessible - paved over			
		11/29/2012	not accessible - paved over			
	280.13	3/12/2013	not accessible - debris in well			
		6/11/2013	not accessible - debris in well			
		9/20/2013	30.08	250.05	0.00	
		12/17/2013	30.05	250.08	0.00	
		3/31/2014	29.76	250.37	0.00	

**TABLE 1**  
**SUMMARY OF GROUNDWATER RESULTS**  
**GROUNDWATER ELEVATION DATA**

**PIPER TECHNICAL CENTER**  
555 Ramirez Street  
Los Angeles, California

<b>Well ID</b>	<b>Top of Casing Elevation</b>	<b>Date</b>	<b>Depth to Groundwater</b>	<b>Groundwater Elevation</b>	<b>Free Product Thickness</b>
MW-3		6/17/2014	30.05	250.08	0.00
<i>(cont.)</i>		9/26/2014	30.25	249.88	0.00
		12/5/2014	30.22	249.91	0.00
		3/10/2015	30.24	249.89	0.00
		6/24/2015	30.33	249.80	0.00
		9/14/2015	30.41	249.72	0.00
		12/27/2015	30.41	249.72	0.00
		3/21/2016	30.24	249.89	0.00

**TABLE 1**  
**SUMMARY OF GROUNDWATER RESULTS**  
**GROUNDWATER ELEVATION DATA**

**PIPER TECHNICAL CENTER**  
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<b>Well ID</b>	<b>Top of Casing Elevation</b>	<b>Date</b>	<b>Depth to Groundwater</b>	<b>Groundwater Elevation</b>	<b>Free Product Thickness</b>
MW-4	279.35	10/26/2000	25.83	253.52	0.00
		3/30/2001	25.86	253.49	0.00
		9/14/2001	25.90	253.45	0.00
		11/9/2001	25.97	253.38	0.00
		3/6/2002	26.00	253.35	0.00
		12/10/2002	26.29	253.06	0.00
		3/18/2003	27.25	252.10	0.00
		6/18/2003	27.64	251.71	0.00
		9/16/2003	28.08	251.27	0.00
		12/12/2003	28.47	250.88	0.00
		3/19/2004	28.76	250.59	0.00
		6/11/2004	28.78	250.57	0.00
		8/20/2004	28.93	250.42	0.00
		1/12/2005	28.48	250.87	0.00
		4/15/2005	27.99	251.36	0.00
	6/23/2005	27.55	251.80	0.00	
	8/26/2005	27.45	251.90	0.00	
	1/15/2007	28.61	250.74	0.00	
	279.33	10/8/2009	29.87	249.46	0.00
	12/21/2009	29.92	249.41	0.00	
	3/22/2010	29.77	249.56	0.00	
	6/15/2010	29.79	249.54	0.00	
	9/20/2010	29.96	249.37	0.00	
	12/28/2010	29.27	250.06	0.00	
	3/8/2011	29.36	249.97	0.00	
	6/14/2011	29.39	249.94	0.00	
	9/8/2011	29.55	249.78	0.00	
12/22/2011	29.61	249.72	0.00		
3/16/2012	29.60	249.73	0.00		
		5/29/2012	not accessible - paved over		
		9/11/2012	not accessible - paved over		
		11/29/2012	not accessible - paved over		
278.99	3/12/2013	29.65	249.34	0.00	
6/11/2013	29.53	249.46	0.00		
9/20/2013	29.68	249.31	0.00		
12/17/2013	29.69	249.30	0.00		
3/31/2014	29.43	249.56	0.00		

**TABLE 1**  
**SUMMARY OF GROUNDWATER RESULTS**  
**GROUNDWATER ELEVATION DATA**

**PIPER TECHNICAL CENTER**  
555 Ramirez Street  
Los Angeles, California

<b>Well ID</b>	<b>Top of Casing Elevation</b>	<b>Date</b>	<b>Depth to Groundwater</b>	<b>Groundwater Elevation</b>	<b>Free Product Thickness</b>
MW-4		6/17/2014	29.69	249.30	0.00
<i>(cont.)</i>		9/26/2014	29.87	249.12	0.00
		12/5/2014	29.86	249.13	0.00
		3/10/2015	29.86	249.13	0.00
		6/24/2015	29.95	249.04	0.00
		9/14/2015	30.03	248.96	0.00
		12/27/2015	30.07	248.92	0.00
		3/21/2016	29.88	249.11	0.00

**TABLE 1**  
**SUMMARY OF GROUNDWATER RESULTS**  
**GROUNDWATER ELEVATION DATA**

**PIPER TECHNICAL CENTER**  
555 Ramirez Street  
Los Angeles, California

<b>Well ID</b>	<b>Top of Casing Elevation</b>	<b>Date</b>	<b>Depth to Groundwater</b>	<b>Groundwater Elevation</b>	<b>Free Product Thickness</b>
MW-5	283.92	10/26/2000	28.84	255.08	0.00
		3/30/2001	28.87	255.05	0.00
		9/14/2001	28.91	255.01	0.00
		11/9/2001	28.98	254.94	0.00
		3/6/2002	29.01	254.91	0.00
		12/10/2002	29.30	254.62	0.00
		3/18/2003	30.26	253.66	0.00
		6/18/2003	30.65	253.27	0.00
		9/16/2003	31.09	252.83	0.00
		12/12/2003	31.48	252.44	0.00
		3/19/2004	31.77	252.15	0.00
		6/11/2004	31.79	252.13	0.00
		8/20/2004	31.94	251.98	0.00
		1/12/2005	31.49	252.43	0.00
		4/15/2005	31.00	252.92	0.00
		6/23/2005	30.56	253.36	0.00
		8/26/2005	30.46	253.46	0.00
		1/15/2007	31.62	252.30	0.00
		10/8/2009	32.80	251.12	0.00
		12/21/2009	32.85	251.07	0.00
	3/22/2010	32.61	251.31	0.00	
	6/15/2010	32.67	251.25	0.00	
	9/20/2010	32.88	251.04	0.00	
	12/28/2010	32.28	251.64	0.00	
	3/8/2011	32.30	251.62	0.00	
	6/14/2011	32.30	251.62	0.00	
	9/8/2011	32.46	251.46	0.00	
12/22/2011	32.65	251.27	0.00		
3/16/2012	32.52	251.40	0.00		
5/29/2012	32.47	251.45	0.00		
9/11/2012	32.48	251.44	0.00		
11/29/2012	32.53	251.39	0.00		
3/12/2013	32.43	251.45	0.00		
6/11/2013	32.46	251.42	0.00		
9/20/2013	32.61	251.27	0.00		
12/17/2013	32.65	251.23	0.00		
3/31/2014	32.36	251.52	0.00		
	283.88				

**TABLE 1**  
**SUMMARY OF GROUNDWATER RESULTS**  
**GROUNDWATER ELEVATION DATA**

**PIPER TECHNICAL CENTER**  
555 Ramirez Street  
Los Angeles, California

<b>Well ID</b>	<b>Top of Casing Elevation</b>	<b>Date</b>	<b>Depth to Groundwater</b>	<b>Groundwater Elevation</b>	<b>Free Product Thickness</b>
MW-5		6/17/2014	32.68	251.20	0.00
<i>(cont.)</i>		9/26/2014	32.83	251.05	0.00
		12/5/2014	32.83	251.05	0.00
		3/10/2015	32.85	251.03	0.00
		6/24/2015	32.97	250.91	0.00
		9/14/2015	33.04	250.84	0.00
		12/27/2015	33.08	250.80	0.00
		3/21/2016	32.87	251.01	0.00

**TABLE 1**  
**SUMMARY OF GROUNDWATER RESULTS**  
**GROUNDWATER ELEVATION DATA**

**PIPER TECHNICAL CENTER**  
555 Ramirez Street  
Los Angeles, California

<b>Well ID</b>	<b>Top of Casing Elevation</b>	<b>Date</b>	<b>Depth to Groundwater</b>	<b>Groundwater Elevation</b>	<b>Free Product Thickness</b>	
MW-6	284.98	10/26/2000	29.91	255.07	0.00	
		3/30/2001	29.94	255.04	0.00	
		9/14/2001	29.98	255.00	0.00	
		11/9/2001	30.05	254.93	0.00	
		3/6/2002	30.08	254.90	0.00	
		12/10/2002	30.37	254.61	0.00	
		3/18/2003	31.33	253.65	0.00	
		6/18/2003	31.72	253.26	0.00	
		9/16/2003	32.16	252.82	0.00	
		12/12/2003	32.55	252.43	0.00	
		3/19/2004	32.84	252.14	0.00	
		6/11/2004	32.86	252.12	0.00	
		8/20/2004	33.01	251.97	0.00	
		1/12/2005	32.56	252.42	0.00	
		4/15/2005	32.07	252.91	0.00	
		6/23/2005	31.63	253.35	0.00	
		8/26/2005	31.53	253.45	0.00	
		1/15/2007	32.69	252.29	0.00	
		10/8/2009	284.98	33.84	251.14	0.00
		12/21/2009		33.88	251.10	0.00
		3/22/2010		33.65	251.33	0.00
		6/15/2010		33.71	251.27	0.00
		9/20/2010		33.92	251.06	0.00
		12/28/2010		33.35	251.63	0.00
		3/8/2011		33.32	251.66	0.00
		6/14/2011		33.32	251.66	0.00
9/8/2011		33.49	251.49	0.00		
12/22/2011		33.58	251.40	0.00		
3/16/2012		33.58	251.40	0.00		
5/29/2012		33.62	251.36	0.00		
9/11/2012		33.52	251.46	0.00		
11/29/2012		33.58	251.40	0.00		
3/12/2013	284.96	33.49	251.47	0.00		
6/11/2013		33.52	251.44	0.00		
9/20/2013		33.68	251.28	0.00		
12/17/2013		33.69	251.27	0.00		
3/31/2014		33.42	251.54	0.00		



**TABLE 1**  
**SUMMARY OF GROUNDWATER RESULTS**  
**GROUNDWATER ELEVATION DATA**

**PIPER TECHNICAL CENTER**  
555 Ramirez Street  
Los Angeles, California

<b>Well ID</b>	<b>Top of Casing Elevation</b>	<b>Date</b>	<b>Depth to Groundwater</b>	<b>Groundwater Elevation</b>	<b>Free Product Thickness</b>
MW-6		6/17/2014	33.72	251.24	0.00
<i>(cont.)</i>		9/26/2014	33.87	251.09	0.00
		12/5/2014	33.89	251.07	0.00
		3/10/2015	33.91	251.05	0.00
		6/24/2015	34.03	250.93	0.00
		9/14/2015	34.10	250.86	0.00
		12/27/2015	34.15	250.81	0.00
		3/21/2016	33.93	251.03	0.00

**TABLE 1**  
**SUMMARY OF GROUNDWATER RESULTS**  
**GROUNDWATER ELEVATION DATA**

**PIPER TECHNICAL CENTER**  
555 Ramirez Street  
Los Angeles, California

<b>Well ID</b>	<b>Top of Casing Elevation</b>	<b>Date</b>	<b>Depth to Groundwater</b>	<b>Groundwater Elevation</b>	<b>Free Product Thickness</b>
MW-7	283.81	10/26/2000	28.94	254.87	0.00
		3/30/2001	28.97	254.84	0.00
		9/14/2001	29.01	254.80	0.00
		11/9/2001	29.08	254.73	0.00
		3/6/2002	29.11	254.70	0.00
		12/10/2002	29.40	254.41	0.00
		3/18/2003	30.36	253.45	0.00
		6/18/2003	30.75	253.06	0.00
		9/16/2003	31.19	252.62	0.00
		12/12/2003	31.58	252.23	0.00
		3/19/2004	31.87	251.94	0.00
		6/11/2004	31.89	251.92	0.00
		8/20/2004	32.04	251.77	0.00
		1/12/2005	31.59	252.22	0.00
	4/15/2005	31.10	252.71	0.00	
	6/23/2005	30.66	253.15	0.00	
	8/26/2005	30.56	253.25	0.00	
	1/15/2007	31.72	252.09	0.00	
	10/8/2009	283.80	32.91	250.89	0.00
	12/21/2009		33.05	250.75	0.00
	3/22/2010		32.82	250.98	0.00
	6/15/2010		32.86	250.94	0.00
	9/20/2010		33.04	250.76	0.00
	12/28/2010		32.38	251.42	0.00
	3/8/2011		32.48	251.32	0.00
	6/14/2011		32.51	251.29	0.00
9/8/2011	32.66		251.14	0.00	
12/22/2011	32.72		251.08	0.00	
3/16/2012	32.70	251.10	0.00		
5/29/2012	32.68	251.12	0.00		
9/11/2012	32.70	251.10	0.00		
11/29/2012	32.76	251.04	0.00		
3/12/2013	283.78	32.66	251.12	0.00	
6/11/2013		32.68	251.10	0.00	
9/20/2013		32.83	250.95	0.00	
12/17/2013		32.84	250.94	0.00	
3/31/2014		32.53	251.25	0.00	

**TABLE 1**  
**SUMMARY OF GROUNDWATER RESULTS**  
**GROUNDWATER ELEVATION DATA**

**PIPER TECHNICAL CENTER**  
555 Ramirez Street  
Los Angeles, California

<b>Well ID</b>	<b>Top of Casing Elevation</b>	<b>Date</b>	<b>Depth to Groundwater</b>	<b>Groundwater Elevation</b>	<b>Free Product Thickness</b>
MW-7		6/17/2014	32.85	250.93	0.00
<i>(cont.)</i>		9/26/2014	33.02	250.76	0.00
		12/5/2014	33.01	250.77	0.00
		3/10/2015	33.01	250.77	0.00
		6/24/2015	33.13	250.65	0.00
		9/14/2015	33.22	250.56	0.00
		12/27/2015	33.24	250.54	0.00
		3/21/2016	33.04	250.74	0.00

**TABLE 1**  
**SUMMARY OF GROUNDWATER RESULTS**  
**GROUNDWATER ELEVATION DATA**

**PIPER TECHNICAL CENTER**  
555 Ramirez Street  
Los Angeles, California

<b>Well ID</b>	<b>Top of Casing Elevation</b>	<b>Date</b>	<b>Depth to Groundwater</b>	<b>Groundwater Elevation</b>	<b>Free Product Thickness</b>
MW-8	277.78	10/26/2000	23.85	253.93	0.00
		3/30/2001	23.88	253.90	0.00
		9/14/2001	23.92	253.86	0.00
		11/9/2001	23.99	253.79	0.00
		3/6/2002	24.02	253.76	0.00
		12/10/2002	24.31	253.47	0.00
		3/18/2003	25.27	252.51	0.00
		6/18/2003	25.66	252.12	0.00
		9/16/2003	26.10	251.68	0.00
		12/12/2003	26.49	251.29	0.00
		3/19/2004	26.78	251.00	0.00
		6/11/2004	26.80	250.98	0.00
		8/20/2004	26.95	250.83	0.00
		1/12/2005	26.50	251.28	0.00
		4/15/2005	26.01	251.77	0.00
		6/23/2005	25.57	252.21	0.00
		8/26/2005	25.47	252.31	0.00
		1/15/2007	26.63	251.15	0.00
		10/8/2009	27.72	250.06	0.00
		12/21/2009	27.68	250.10	0.00
		3/22/2010	27.47	250.31	0.00
		6/15/2010	27.55	250.23	0.00
		9/20/2010	27.76	250.02	0.00
		12/28/2010	27.29	250.49	0.00
		3/8/2011	27.19	250.59	0.00
		6/14/2011	27.18	250.60	0.00
		9/8/2011	27.32	250.46	0.00
12/22/2011	27.45	250.33	0.00		
3/16/2012	27.44	250.34	0.00		
5/29/2012	27.38	250.40	0.00		
9/11/2012	27.40	250.38	0.00		
11/29/2012	27.47	250.31	0.00		
3/12/2013	27.37	250.36	0.00		
6/11/2013	27.40	250.33	0.00		
9/20/2013	27.57	250.16	0.00		
12/17/2013	27.53	250.20	0.00		
3/31/2014	27.30	250.43	0.00		

**TABLE 1**  
**SUMMARY OF GROUNDWATER RESULTS**  
**GROUNDWATER ELEVATION DATA**

**PIPER TECHNICAL CENTER**  
555 Ramirez Street  
Los Angeles, California

<b>Well ID</b>	<b>Top of Casing Elevation</b>	<b>Date</b>	<b>Depth to Groundwater</b>	<b>Groundwater Elevation</b>	<b>Free Product Thickness</b>
MW-8		6/17/2014	27.58	250.15	0.00
<i>(cont.)</i>		9/26/2014	27.73	250.00	0.00
		12/5/2014	27.78	249.95	0.00
		3/10/2015	27.78	249.95	0.00
		6/24/2015	27.88	249.85	0.00
		9/14/2015	27.93	249.80	0.00
		12/27/2015	27.96	249.77	0.00
		3/21/2016	27.81	249.92	0.00

**TABLE 1**  
**SUMMARY OF GROUNDWATER RESULTS**  
**GROUNDWATER ELEVATION DATA**

**PIPER TECHNICAL CENTER**  
555 Ramirez Street  
Los Angeles, California

<b>Well ID</b>	<b>Top of Casing Elevation</b>	<b>Date</b>	<b>Depth to Groundwater</b>	<b>Groundwater Elevation</b>	<b>Free Product Thickness</b>
MW-9	285.28	9/14/2001	30.14	255.14	0.00
		11/9/2001	30.21	255.07	0.00
		3/6/2002	30.24	255.04	0.00
		12/10/2002	30.53	254.75	0.00
		3/18/2003	31.49	253.79	0.00
		6/18/2003	31.88	253.40	0.00
		9/16/2003	32.32	252.96	0.00
		12/12/2003	32.71	252.57	0.00
		3/19/2004	33.00	252.28	0.00
		6/11/2004	33.02	252.26	0.00
		8/20/2004	33.17	252.11	0.00
		1/12/2005	32.72	252.56	0.00
		4/15/2005	32.23	253.05	0.00
		6/23/2005	31.79	253.49	0.00
		8/26/2005	31.69	253.59	0.00
		1/15/2007	32.85	252.43	0.00
		10/8/2009	34.01	251.27	0.00
	12/21/2009	34.03	251.25	0.00	
	3/22/2010	33.81	251.47	0.00	
	6/15/2010	33.86	251.42	0.00	
	9/20/2010	34.09	251.19	0.00	
	12/28/2010	33.51	251.77	0.00	
	3/8/2011	33.48	251.80	0.00	
6/14/2011	33.49	251.79	0.00		
9/8/2011	33.64	251.64	0.00		
12/22/2011	33.73	251.55	0.00		
3/16/2012	33.72	251.56	0.00		
5/29/2012	33.69	251.59	0.00		
9/11/2012	33.68	251.60	0.00		
11/29/2012	33.75	251.53	0.00		
285.22	3/12/2013	33.66	251.56	0.00	
6/11/2013	33.69	251.53	0.00		
9/20/2013	33.82	251.40	0.00		
12/17/2013	33.87	251.35	0.00		
3/31/2014	33.58	251.64	0.00		

**TABLE 1**  
**SUMMARY OF GROUNDWATER RESULTS**  
**GROUNDWATER ELEVATION DATA**

**PIPER TECHNICAL CENTER**  
555 Ramirez Street  
Los Angeles, California

<b>Well ID</b>	<b>Top of Casing Elevation</b>	<b>Date</b>	<b>Depth to Groundwater</b>	<b>Groundwater Elevation</b>	<b>Free Product Thickness</b>
MW-9		6/17/2014	33.88	251.34	0.00
<i>(cont.)</i>		9/26/2014	34.04	251.18	0.00
		12/5/2014	34.07	251.15	0.00
		3/10/2015	34.08	251.14	0.00
		6/24/2015	34.18	251.04	0.00
		9/14/2015	34.24	250.98	0.00
		12/27/2015	34.30	250.92	0.00
		3/21/2016	34.07	251.15	0.00

**TABLE 1**  
**SUMMARY OF GROUNDWATER RESULTS**  
**GROUNDWATER ELEVATION DATA**

**PIPER TECHNICAL CENTER**  
555 Ramirez Street  
Los Angeles, California

<b>Well ID</b>	<b>Top of Casing Elevation</b>	<b>Date</b>	<b>Depth to Groundwater</b>	<b>Groundwater Elevation</b>	<b>Free Product Thickness</b>
MW-10	283.39	9/14/2001	28.39	255.00	0.00
		11/9/2001	28.46	254.93	0.00
		3/6/2002	28.49	254.90	0.00
		12/10/2002	28.78	254.61	0.00
		3/18/2003	29.74	253.65	0.00
		6/18/2003	30.13	253.26	0.00
		9/16/2003	30.57	252.82	0.00
		12/12/2003	30.96	252.43	0.00
		3/19/2004	31.25	252.14	0.00
		6/11/2004	31.27	252.12	0.00
	8/20/2004	31.42	251.97	0.00	
	1/12/2005	30.97	252.42	0.00	
	4/15/2005	30.48	252.91	0.00	
	6/23/2005	30.04	253.35	0.00	
	8/26/2005	29.94	253.45	0.00	
	1/15/2007	31.10	252.29	0.00	
	10/8/2009	32.30	251.09	0.00	
	12/21/2009	32.35	251.04	0.00	
	3/22/2010	32.11	251.28	0.00	
	6/15/2010	32.14	251.25	0.00	
9/20/2010	32.37	251.02	0.00		
12/28/2010	31.76	251.63	0.00		
3/8/2011	31.76	251.63	0.00		
6/14/2011	31.78	251.61	0.00		
9/8/2011	31.94	251.45	0.00		
12/22/2011	32.04	251.35	0.00		
3/16/2012	32.05	251.34	0.00		
5/29/2012	31.97	251.42	0.00		
9/11/2012	31.99	251.40	0.00		
11/29/2012	32.06	251.33	0.00		
283.39	3/12/2013	31.97	251.42	0.00	
6/11/2013	32.01	251.38	0.00		
9/20/2013	32.17	251.22	0.00		
12/17/2013	32.19	251.20	0.00		
3/31/2014	31.90	251.49	0.00		



**TABLE 1**  
**SUMMARY OF GROUNDWATER RESULTS**  
**GROUNDWATER ELEVATION DATA**

**PIPER TECHNICAL CENTER**  
555 Ramirez Street  
Los Angeles, California

<b>Well ID</b>	<b>Top of Casing Elevation</b>	<b>Date</b>	<b>Depth to Groundwater</b>	<b>Groundwater Elevation</b>	<b>Free Product Thickness</b>
MW-10		6/17/2014	32.21	251.18	0.00
<i>(cont.)</i>		9/26/2014	32.39	251.00	0.00
		12/5/2014	32.39	251.00	0.00
		3/10/2015	32.40	250.99	0.00
		6/24/2015	32.52	250.87	0.00
		9/14/2015	32.60	250.79	0.00
		12/27/2015	32.64	250.75	0.00
		3/21/2016	32.41	250.98	0.00

**TABLE 1**  
**SUMMARY OF GROUNDWATER RESULTS**  
**GROUNDWATER ELEVATION DATA**

**PIPER TECHNICAL CENTER**  
555 Ramirez Street  
Los Angeles, California

<b>Well ID</b>	<b>Top of Casing Elevation</b>	<b>Date</b>	<b>Depth to Groundwater</b>	<b>Groundwater Elevation</b>	<b>Free Product Thickness</b>
MW-11	284.45	9/14/2001	29.38	255.07	0.00
		11/9/2001	29.45	255.00	0.00
		3/6/2002	29.48	254.97	0.00
		12/10/2002	29.77	254.68	0.00
		3/18/2003	30.73	253.72	0.00
		6/18/2003	31.12	253.33	0.00
		9/16/2003	31.56	252.89	0.00
		12/12/2003	31.95	252.50	0.00
		3/19/2004	32.24	252.21	0.00
		6/11/2004	32.26	252.19	0.00
		8/20/2004	32.41	252.04	0.00
		1/12/2005	31.96	252.49	0.00
		4/15/2005	31.47	252.98	0.00
	6/23/2005	31.03	253.42	0.00	
	8/26/2005	30.93	253.52	0.00	
	1/15/2007	32.09	252.36	0.00	
	10/8/2009	33.26	251.19	0.00	
	12/21/2009	33.31	251.14	0.00	
	3/22/2010	33.08	251.37	0.00	
	6/15/2010	33.12	251.33	0.00	
	9/20/2010	33.34	251.11	0.00	
	12/28/2010	32.77	251.68	0.00	
	3/8/2011	32.75	251.70	0.00	
6/14/2011	32.76	251.69	0.00		
9/8/2011	32.91	251.54	0.00		
12/22/2011	32.98	251.47	0.00		
3/16/2012	32.98	251.47	0.00		
5/29/2012	32.93	251.52	0.00		
9/11/2012	32.96	251.49	0.00		
11/29/2012	33.02	251.43	0.00		
284.41	3/12/2013	29.92	254.49	0.00	
6/11/2013	32.94	251.47	0.00		
9/20/2013	33.08	251.33	0.00		
12/17/2013	33.13	251.28	0.00		
3/31/2014	32.84	251.57	0.00		

**TABLE 1**  
**SUMMARY OF GROUNDWATER RESULTS**  
**GROUNDWATER ELEVATION DATA**

**PIPER TECHNICAL CENTER**  
555 Ramirez Street  
Los Angeles, California

<b>Well ID</b>	<b>Top of Casing Elevation</b>	<b>Date</b>	<b>Depth to Groundwater</b>	<b>Groundwater Elevation</b>	<b>Free Product Thickness</b>
MW-11		6/17/2014	33.14	251.27	0.00
<i>(cont.)</i>		9/26/2014	33.31	251.10	0.00
		12/5/2014	33.33	251.08	0.00
		3/10/2015	33.34	251.07	0.00
		6/24/2015	33.45	250.96	0.00
		9/14/2015	33.54	250.87	0.00
		12/27/2015	33.57	250.84	0.00
		3/21/2016	33.35	251.06	0.00

**TABLE 1**  
**SUMMARY OF GROUNDWATER RESULTS**  
**GROUNDWATER ELEVATION DATA**

**PIPER TECHNICAL CENTER**  
555 Ramirez Street  
Los Angeles, California

<b>Well ID</b>	<b>Top of Casing Elevation</b>	<b>Date</b>	<b>Depth to Groundwater</b>	<b>Groundwater Elevation</b>	<b>Free Product Thickness</b>
MW-12	282.50	9/14/2001	27.62	254.88	0.00
		11/9/2001	27.69	254.81	0.00
		3/6/2002	27.72	254.78	0.00
		12/10/2002	28.01	254.49	0.00
		3/18/2003	28.97	253.53	0.00
		6/18/2003	29.36	253.14	0.00
		9/16/2003	29.80	252.70	0.00
		12/12/2003	30.19	252.31	0.00
		3/19/2004	30.48	252.02	0.00
		6/11/2004	30.50	252.00	0.00
		8/20/2004	30.65	251.85	0.00
		1/12/2005	30.20	252.30	0.00
		4/15/2005	29.71	252.79	0.00
	6/23/2005	29.27	253.23	0.00	
	8/26/2005	29.17	253.33	0.00	
	1/15/2007	30.38	252.12	0.00	
	10/8/2009	31.52	250.98	0.00	
	12/21/2009	31.61	250.89	0.00	
	3/22/2010	31.38	251.12	0.00	
	6/15/2010	31.42	251.08	0.00	
	9/20/2010	31.61	250.89	0.00	
	12/28/2010	31.01	251.49	0.00	
	3/8/2011	31.06	251.44	0.00	
6/14/2011	31.08	251.42	0.00		
9/8/2011	31.24	251.26	0.00		
12/22/2011	31.30	251.20	0.00		
3/16/2012	31.30	251.20	0.00		
5/29/2012	31.31	251.19	0.00		
9/11/2012	31.25	251.25	0.00		
11/29/2012	31.32	251.18	0.00		
282.43	3/12/2013	31.22	251.21	0.00	
6/11/2013	31.17	251.26	0.00		
9/20/2013	31.33	251.10	0.00		
12/17/2013	31.35	251.08	0.00		
3/31/2014	31.06	251.37	0.00		

**TABLE 1**  
**SUMMARY OF GROUNDWATER RESULTS**  
**GROUNDWATER ELEVATION DATA**

**PIPER TECHNICAL CENTER**  
555 Ramirez Street  
Los Angeles, California

<b>Well ID</b>	<b>Top of Casing Elevation</b>	<b>Date</b>	<b>Depth to Groundwater</b>	<b>Groundwater Elevation</b>	<b>Free Product Thickness</b>
MW-12		6/17/2014	31.38	251.05	0.00
<i>(cont.)</i>		9/26/2014	31.55	250.88	0.00
		12/5/2014	31.54	250.89	0.00
		3/10/2015	31.56	250.87	0.00
		6/24/2015	31.68	250.75	0.00
		9/14/2015	32.73	249.70	0.00
		12/27/2015	31.79	250.64	0.00
		3/21/2016	31.57	250.86	0.00

**TABLE 1**  
**SUMMARY OF GROUNDWATER RESULTS**  
**GROUNDWATER ELEVATION DATA**

**PIPER TECHNICAL CENTER**  
555 Ramirez Street  
Los Angeles, California

<b>Well ID</b>	<b>Top of Casing Elevation</b>	<b>Date</b>	<b>Depth to Groundwater</b>	<b>Groundwater Elevation</b>	<b>Free Product Thickness</b>
MW-13	283.40	9/14/2001	28.52	254.88	0.00
		11/9/2001	28.67	254.73	0.00
		3/6/2002	28.71	254.69	0.00
		12/10/2002	29.00	254.40	0.00
		3/18/2003	29.95	253.45	0.00
		6/18/2003	30.38	253.02	0.00
		9/16/2003	30.81	252.59	0.00
		12/12/2003	31.20	252.20	0.00
		3/19/2004	31.46	251.94	0.00
		6/11/2004	31.48	251.92	0.00
		8/20/2004	31.64	251.76	0.00
		1/12/2005	31.17	252.23	0.00
		4/15/2005	30.72	252.68	0.00
	6/23/2005	30.28	253.12	0.00	
	8/26/2005	30.16	253.24	0.00	
	1/15/2007	31.37	252.03	0.00	
	10/8/2009	32.54	250.86	0.00	
	12/21/2009	32.61	250.79	0.00	
	3/22/2010	32.40	251.00	0.00	
	6/15/2010	32.45	250.95	0.00	
	9/20/2010	32.63	250.77	0.00	
	12/28/2010	32.05	251.35	0.00	
	3/8/2011	32.07	251.33	0.00	
6/14/2011	32.08	251.32	0.00		
9/8/2011	32.23	251.17	0.00		
12/22/2011	32.31	251.09	0.00		
3/16/2012	32.30	251.10	0.00		
5/29/2012	32.26	251.14	0.00		
9/11/2012	32.28	251.12	0.00		
11/29/2012	32.34	251.06	0.00		
283.37	3/12/2013	32.25	251.12	0.00	
6/11/2013	32.27	251.10	0.00		
9/20/2013	32.42	250.95	0.00		
12/17/2013	32.42	250.95	0.00		
3/31/2014	32.15	251.22	0.00		

**TABLE 1**  
**SUMMARY OF GROUNDWATER RESULTS**  
**GROUNDWATER ELEVATION DATA**

**PIPER TECHNICAL CENTER**  
555 Ramirez Street  
Los Angeles, California

Well ID	Top of Casing Elevation	Date	Depth to Groundwater	Groundwater Elevation	Free Product Thickness
MW-13		6/17/2014	32.46	250.91	0.00
<i>(cont.)</i>		9/26/2014	32.62	250.75	0.00
		12/5/2014	32.63	250.74	0.00
		3/10/2015	32.63	250.74	0.00
		6/24/2015	32.77	250.60	0.00
		9/14/2015	32.84	250.53	0.00
		12/27/2015	32.87	250.50	0.00
		3/21/2016	32.65	250.72	0.00

Casing elevation in feet above mean sea level

Depth to groundwater in feet below top of casing

Groundwater elevation in feet above mean sea level

**TABLE 2**  
**SUMMARY OF GROUNDWATER RESULTS**  
**TOTAL PETROLEUM HYDROCARBONS**

**PIPER TECHNICAL CENTER**

555 Ramirez Street  
Los Angeles, California

Sample ID	Sampling Date	TPHG (C4-C12)	TPHD (C13-C22)	TPH-WO (C23-C40)
		EPA Method 8015M (ug/L)		
MW-1	10/26/2000	ND < 100	ND < 100	ND < 1000
	3/30/2001	ND < 100	ND < 100	ND < 1000
	9/14/2001	ND < 100	ND < 500	ND < 1000
	11/13/2001	ND < 100	ND < 500	ND < 1000
	3/6/2002	ND < 100	ND < 500	ND < 1000
	12/10/2002	ND < 100	ND < 500	ND < 1000
	3/18/2003	ND < 100	ND < 500	ND < 1000
	6/18/2003	ND < 100	ND < 500	ND < 1000
	9/16/2003	ND < 100	ND < 500	ND < 1000
	12/12/2003	ND < 100	ND < 500	ND < 1000
	3/16/2004	ND < 100	ND < 500	ND < 1000
	6/11/2004	ND < 100	ND < 500	ND < 1000
	8/20/2004	ND < 100	ND < 500	ND < 1000
	12/31/2004	ND < 100	ND < 500	ND < 1000
	4/15/2005	ND < 100	ND < 500	ND < 1000
	6/23/2005	ND < 100	ND < 500	ND < 1000
	8/26/2005	228	ND < 500	ND < 1000
	1/15/2007	ND < 100	ND < 500	ND < 1000
	10/8/2009	ND < 100	ND < 500	ND < 1000
	12/21/2009	ND < 100	ND < 500	ND < 1000
	3/22/2010	20	541	338
	6/15/2010	ND < 100	ND < 500	ND < 1000
	9/20/2010	ND < 100	ND < 500	ND < 1000
	12/28/2010	ND < 100	ND < 500	ND < 1000
	3/8/2011	ND < 100	ND < 500	ND < 1000
	6/14/2011	ND < 100	ND < 500	ND < 1000
	9/8/2011	107	1,173	850
	12/22/2011	ND < 100	ND < 500	ND < 1000
	3/16/2012	ND < 100	ND < 500	ND < 1000
	5/29/2012	ND < 100	ND < 500	ND < 1000
	9/11/2012	ND < 100	ND < 500	ND < 1000
	11/29/2012	ND < 100	ND < 500	ND < 1000



**TABLE 2**  
**SUMMARY OF GROUNDWATER RESULTS**  
**TOTAL PETROLEUM HYDROCARBONS**

**PIPER TECHNICAL CENTER**  
555 Ramirez Street  
Los Angeles, California

Sample ID	Sampling Date	TPHG (C4-C12)	TPHD (C13-C22)	TPH-WO (C23-C40)
		EPA Method 8015M (ug/L)		
MW-1	3/12/2013	ND < 100	ND < 500	ND < 1000
(cont.)	6/11/2013	ND < 100	ND < 500	ND < 1000
	9/20/2013	ND < 100	ND < 500	ND < 1000
	12/17/2013	ND < 100	321	51
	3/31/2014	ND < 100	ND < 500	ND < 1000
	6/17/2014	ND < 100	ND < 500	ND < 1000
	9/26/2014	ND < 100	ND < 500	ND < 1000
	12/5/2014	ND < 100	ND < 500	ND < 1000
	3/10/2015	ND < 100	ND < 500	ND < 1000
	6/24/2015	ND < 100	ND < 500	ND < 1000
	9/14/2015	ND < 100	ND < 500	ND < 1000
	12/27/2015	ND < 100	ND < 500	ND < 1000
	3/21/2016	ND < 100	ND < 500	ND < 1000

**TABLE 2**  
**SUMMARY OF GROUNDWATER RESULTS**  
**TOTAL PETROLEUM HYDROCARBONS**

**PIPER TECHNICAL CENTER**

555 Ramirez Street  
Los Angeles, California

Sample ID	Sampling Date	TPHG (C4-C12)	TPHD (C13-C22)	TPH-WO (C23-C40)
		EPA Method 8015M (ug/L)		
MW-2	10/26/2000	ND < 100	ND < 100	ND < 1000
	3/30/2001	ND < 100	ND < 100	ND < 1000
	9/14/2001	144	ND < 500	ND < 1000
	11/13/2001	180	ND < 500	ND < 1000
	3/6/2002	142	ND < 500	ND < 1000
	12/10/2002	187	ND < 500	ND < 1000
	3/18/2003	170	ND < 500	ND < 1000
	6/18/2003	144	ND < 500	ND < 1000
	9/16/2003	197	ND < 500	ND < 1000
	12/12/2003	ND < 100	ND < 500	ND < 1000
	3/16/2004	ND < 100	ND < 500	ND < 1000
	6/11/2004	ND < 100	ND < 500	ND < 1000
	8/20/2004	ND < 100	ND < 500	ND < 1000
	12/31/2004	ND < 100	ND < 500	ND < 1000
	4/15/2005	ND < 100	ND < 500	ND < 1000
	6/23/2005	642	ND < 500	ND < 1000
	8/26/2005	715	ND < 500	ND < 1000
	1/15/2007	198	ND < 500	ND < 1000
	10/8/2009	ND < 100	ND < 500	ND < 1000
	12/21/2009	300	ND < 500	ND < 1000
	3/22/2010	79	605	149
	6/15/2010	ND < 100	ND < 500	ND < 1000
	9/20/2010	ND < 100	ND < 500	ND < 1000
	12/28/2010	ND < 100	ND < 500	ND < 1000
	3/8/2011	ND < 100	ND < 500	ND < 1000
	6/14/2011	ND < 100	ND < 500	ND < 1000
	9/8/2011	110	456	155
	12/22/2011	ND < 100	ND < 500	ND < 1000
	3/16/2012	ND < 100	ND < 500	ND < 1000
	5/29/2012	Not accessible - paved over		
	9/11/2012	Not accessible - paved over		
	11/29/2012	Not accessible - paved over		

**TABLE 2**  
**SUMMARY OF GROUNDWATER RESULTS**  
**TOTAL PETROLEUM HYDROCARBONS**

**PIPER TECHNICAL CENTER**

555 Ramirez Street  
Los Angeles, California

Sample ID	Sampling Date	TPHG (C4-C12)	TPHD (C13-C22)	TPH-WO (C23-C40)
		EPA Method 8015M (ug/L)		
MW-2	3/12/2013	ND < 100	ND < 500	ND < 1000
(cont.)	6/11/2013	ND < 100	ND < 500	ND < 1000
	9/20/2013	ND < 100	ND < 500	ND < 1000
	12/17/2013	67	652	40
	3/31/2014	ND < 100	ND < 500	ND < 1000
	6/17/2014	ND < 100	ND < 500	ND < 1000
	9/26/2014	ND < 100	ND < 500	ND < 1000
	12/5/2014	ND < 100	ND < 500	ND < 1000
	3/10/2015	ND < 100	ND < 500	ND < 1000
	6/24/2015	ND < 100	ND < 500	ND < 1000
	9/14/2015	ND < 100	ND < 500	ND < 1000
	12/27/2015	ND < 100	ND < 500	ND < 1000
	3/21/2016	ND < 100	ND < 500	ND < 1000

**TABLE 2**  
**SUMMARY OF GROUNDWATER RESULTS**  
**TOTAL PETROLEUM HYDROCARBONS**

**PIPER TECHNICAL CENTER**

555 Ramirez Street  
Los Angeles, California

Sample ID	Sampling Date	TPHG (C4-C12)	TPHD (C13-C22)	TPH-WO (C23-C40)
		EPA Method 8015M (ug/L)		
MW-3	10/26/2000	281	ND < 100	ND < 1000
	3/30/2001	371	ND < 100	ND < 1000
	9/14/2001	115	ND < 500	ND < 1000
	11/13/2001	ND < 100	ND < 500	ND < 1000
	3/6/2002	ND < 100	ND < 500	ND < 1000
	12/10/2002	275	ND < 500	ND < 1000
	3/18/2003	140	ND < 500	ND < 1000
	6/18/2003	108	ND < 500	ND < 1000
	9/16/2003	154	ND < 500	ND < 1000
	12/12/2003	146	ND < 500	ND < 1000
	3/16/2004	ND < 100	ND < 500	ND < 1000
	6/11/2004	ND < 100	ND < 500	ND < 1000
	8/20/2004	ND < 100	ND < 500	ND < 1000
	12/31/2004	ND < 100	ND < 500	ND < 1000
	4/15/2005	556	ND < 500	ND < 1000
	6/23/2005	513	ND < 500	ND < 1000
	8/26/2005	321	ND < 500	ND < 1000
	1/15/2007	1,251	ND < 500	ND < 1000
	10/8/2009	900	ND < 500	ND < 1000
	12/21/2009	1,800	ND < 500	ND < 1000
	3/22/2010	494	377	203
	6/15/2010	1,700	ND < 500	ND < 1000
	9/20/2010	1,300	ND < 500	ND < 1000
	12/28/2010	400	ND < 500	ND < 1000
	3/8/2011	900	ND < 500	ND < 1000
	6/14/2011	1,100	ND < 500	ND < 1000
9/8/2011	920	300	140	
12/22/2011	800	ND < 500	ND < 1000	
3/16/2012	1,700	ND < 500	ND < 1000	
5/29/2012	Not accessible - paved over			
9/11/2012	Not accessible - paved over			
11/29/2012	Not accessible - paved over			

**TABLE 2**  
**SUMMARY OF GROUNDWATER RESULTS**  
**TOTAL PETROLEUM HYDROCARBONS**

**PIPER TECHNICAL CENTER**

555 Ramirez Street  
Los Angeles, California

Sample ID	Sampling Date	TPHG (C4-C12)	TPHD (C13-C22)	TPH-WO (C23-C40)
		EPA Method 8015M (ug/L)		
MW-3	3/12/2013	Not accessible - debris in well		
(cont.)	6/11/2013	Not accessible - debris in well		
	9/20/2013	1,200	ND < 500	ND < 1000
	12/17/2013	880	178	ND < 1000
	3/31/2014	1,400	ND < 500	ND < 1000
	6/17/2014	1,100	ND < 500	ND < 1000
	9/26/2014	700	ND < 500	ND < 1000
	12/5/2014	700	ND < 500	ND < 1000
	3/10/2015	1,000	ND < 500	ND < 1000
	6/24/2015	1,100	ND < 500	ND < 1000
	9/14/2015	600	ND < 500	ND < 1000
	12/27/2015	700	ND < 500	ND < 1000
	3/21/2016	1,000	ND < 500	ND < 1000

**TABLE 2**  
**SUMMARY OF GROUNDWATER RESULTS**  
**TOTAL PETROLEUM HYDROCARBONS**

**PIPER TECHNICAL CENTER**

555 Ramirez Street  
Los Angeles, California

Sample ID	Sampling Date	TPHG (C4-C12)	TPHD (C13-C22)	TPH-WO (C23-C40)
		EPA Method 8015M (ug/L)		
MW-4	10/26/2000	256	ND < 100	ND < 1000
	3/30/2001	ND < 100	ND < 100	ND < 1000
	9/14/2001	396	ND < 500	ND < 1000
	11/13/2001	552	ND < 500	ND < 1000
	3/6/2002	374	ND < 500	ND < 1000
	12/10/2002	418	ND < 500	ND < 1000
	3/18/2003	325	ND < 500	ND < 1000
	6/18/2003	358	ND < 500	ND < 1000
	9/16/2003	458	ND < 500	ND < 1000
	12/12/2003	380	ND < 500	ND < 1000
	3/16/2004	381	ND < 500	ND < 1000
	6/11/2004	251	ND < 500	ND < 1000
	8/20/2004	277	ND < 500	ND < 1000
	12/31/2004	ND < 100	ND < 500	ND < 1000
	4/15/2005	220	ND < 500	ND < 1000
	6/23/2005	589	ND < 500	ND < 1000
	8/26/2005	910	ND < 500	ND < 1000
	1/15/2007	781	ND < 500	ND < 1000
	10/8/2009	300	ND < 500	ND < 1000
	12/21/2009	600	ND < 500	ND < 1000
	3/22/2010	168	455	161
	6/15/2010	500	ND < 500	ND < 1000
	9/20/2010	200	ND < 500	ND < 1000
	12/28/2010	400	ND < 500	ND < 1000
	3/8/2011	400	ND < 500	ND < 1000
	6/14/2011	100	ND < 500	ND < 1000
9/8/2011	179	428	114	
12/22/2011	400	ND < 500	ND < 1000	
3/16/2012	400	ND < 500	ND < 1000	
5/29/2012	Not accessible - paved over			
9/11/2012	Not accessible - paved over			
11/29/2012	Not accessible - paved over			

**TABLE 2**  
**SUMMARY OF GROUNDWATER RESULTS**  
**TOTAL PETROLEUM HYDROCARBONS**

**PIPER TECHNICAL CENTER**  
555 Ramirez Street  
Los Angeles, California

Sample ID	Sampling Date	TPHG (C4-C12)	TPHD (C13-C22)	TPH-WO (C23-C40)
		EPA Method 8015M (ug/L)		
MW-4	3/12/2013	200	ND < 500	ND < 1000
(cont.)	6/11/2013	200	ND < 500	ND < 1000
	9/20/2013	300	ND < 500	ND < 1000
	12/17/2013	30	355	12
	3/31/2014	400	ND < 500	ND < 1000
	6/17/2014	300	ND < 500	ND < 1000
	9/26/2014	300	ND < 500	ND < 1000
	12/5/2014	200	ND < 500	ND < 1000
	3/10/2015	400	ND < 500	ND < 1000
	6/24/2015	400	ND < 500	ND < 1000
	9/14/2015	200	ND < 500	ND < 1000
	12/27/2015	400	ND < 500	ND < 1000
	3/21/2016	400	ND < 500	ND < 1000

**TABLE 2**  
**SUMMARY OF GROUNDWATER RESULTS**  
**TOTAL PETROLEUM HYDROCARBONS**

**PIPER TECHNICAL CENTER**

555 Ramirez Street  
Los Angeles, California

Sample ID	Sampling Date	TPHG (C4-C12)	TPHD (C13-C22)	TPH-WO (C23-C40)
		EPA Method 8015M (ug/L)		
MW-5	10/26/2000	21,860	ND < 100	ND < 1000
	3/30/2001	20,031	ND < 100	ND < 1000
	9/14/2001	23,064	ND < 500	ND < 1000
	11/9/2001	22,188	ND < 500	ND < 1000
	3/6/2002	17,844	ND < 500	ND < 1000
	12/10/2002	11,849	ND < 500	ND < 1000
	3/18/2003	6,877	ND < 500	ND < 1000
	6/18/2003	9,236	ND < 500	ND < 1000
	9/16/2003	6,699	ND < 500	ND < 1000
	12/12/2003	10,651	ND < 500	ND < 1000
	3/16/2004	5,923	ND < 500	ND < 1000
	6/11/2004	10,558	ND < 500	ND < 1000
	8/20/2004	5,773	ND < 500	ND < 1000
	12/31/2004	4,847	ND < 500	ND < 1000
	4/15/2005	16,343	ND < 500	ND < 1000
	6/23/2005	26,716	ND < 500	ND < 1000
	8/26/2005	24,018	ND < 500	ND < 1000
	1/15/2007	11,765	ND < 500	ND < 1000
	10/8/2009	16,400	ND < 500	ND < 1000
	12/21/2009	76,100	ND < 500	ND < 1000
	3/22/2010	18,100	8,680	295
	6/15/2010	68,900	ND < 500	ND < 1000
	9/20/2010	55,100	ND < 500	ND < 1000
	12/28/2010	7,000	ND < 500	ND < 1000
	3/8/2011	16,100	ND < 500	ND < 1000
	6/14/2011	29,100	ND < 500	ND < 1000
	9/8/2011	8,684	3,540	274
	12/22/2011	9,000	ND < 500	ND < 1000
	3/16/2012	7,500	ND < 500	ND < 1000
	5/29/2012	16,400	ND < 500	ND < 1000
	9/11/2012	38,700	ND < 500	ND < 1000
	11/29/2012	34,600	ND < 500	ND < 1000



**TABLE 2**  
**SUMMARY OF GROUNDWATER RESULTS**  
**TOTAL PETROLEUM HYDROCARBONS**

**PIPER TECHNICAL CENTER**  
555 Ramirez Street  
Los Angeles, California

Sample ID	Sampling Date	TPHG (C4-C12)	TPHD (C13-C22)	TPH-WO (C23-C40)
		EPA Method 8015M (ug/L)		
MW-5	3/12/2013	6,500	ND < 500	ND < 1000
(cont.)	6/11/2013	3,800	ND < 500	ND < 1000
	9/20/2013	5,900	ND < 500	ND < 1000
	12/17/2013	940	1,446	15
	3/31/2014	3,700	ND < 500	ND < 1000
	6/17/2014	7,200	ND < 500	ND < 1000
	9/26/2014	8,500	ND < 500	ND < 1000
	12/5/2014	3,900	ND < 500	ND < 1000
	3/10/2015	2,200	ND < 500	ND < 1000
	6/24/2015	3,400	ND < 500	ND < 1000
	9/14/2015	2,100	ND < 500	ND < 1000
	12/27/2015	2,500	ND < 500	ND < 1000
	3/21/2016	2,700	ND < 500	ND < 1000

**TABLE 2**  
**SUMMARY OF GROUNDWATER RESULTS**  
**TOTAL PETROLEUM HYDROCARBONS**

**PIPER TECHNICAL CENTER**

555 Ramirez Street  
Los Angeles, California

Sample ID	Sampling Date	TPHG (C4-C12)	TPHD (C13-C22)	TPH-WO (C23-C40)
		EPA Method 8015M (ug/L)		
MW-6	10/26/2000	6,830	ND < 100	ND < 1000
	3/30/2001	4,710	ND < 100	ND < 1000
	9/14/2001	6,268	ND < 500	ND < 1000
	11/9/2001	12,265	ND < 500	ND < 1000
	3/6/2002	1,976	ND < 500	ND < 1000
	12/10/2002	1,449	ND < 500	ND < 1000
	3/18/2003	3,264	ND < 500	ND < 1000
	6/18/2003	2,018	ND < 500	ND < 1000
	9/16/2003	3,430	ND < 500	ND < 1000
	12/12/2003	4,048	ND < 500	ND < 1000
	3/16/2004	2,961	ND < 500	ND < 1000
	6/11/2004	3,468	ND < 500	ND < 1000
	8/20/2004	4,251	ND < 500	ND < 1000
	12/31/2004	3,191	ND < 500	ND < 1000
	4/15/2005	8,503	ND < 500	ND < 1000
	6/23/2005	9,410	ND < 500	ND < 1000
	8/26/2005	15,658	ND < 500	ND < 1000
	1/15/2007	18,392	ND < 500	ND < 1000
	10/8/2009	8,300	ND < 500	ND < 1000
	12/21/2009	34,000	ND < 500	ND < 1000
	3/22/2010	6,739	3,120	256
	6/15/2010	36,900	ND < 500	ND < 1000
	9/20/2010	5,500	ND < 500	ND < 1000
	12/28/2010	700	ND < 500	ND < 1000
	3/8/2011	10,500	ND < 500	ND < 1000
	6/14/2011	24,200	ND < 500	ND < 1000
	9/8/2011	3,339	1,353	182
	12/22/2011	5,200	ND < 500	ND < 1000
	3/16/2012	7,400	ND < 500	ND < 1000
	5/29/2012	7,300	ND < 500	ND < 1000
	9/11/2012	5,600	ND < 500	ND < 1000
	11/29/2012	8,600	ND < 500	ND < 1000

**TABLE 2**  
**SUMMARY OF GROUNDWATER RESULTS**  
**TOTAL PETROLEUM HYDROCARBONS**

**PIPER TECHNICAL CENTER**

555 Ramirez Street  
Los Angeles, California

Sample ID	Sampling Date	TPHG (C4-C12)	TPHD (C13-C22)	TPH-WO (C23-C40)
		EPA Method 8015M (ug/L)		
MW-6	3/12/2013	4,500	ND < 500	ND < 1000
(cont.)	6/11/2013	5,200	ND < 500	ND < 1000
	9/20/2013	4,600	ND < 500	ND < 1000
	12/17/2013	1,350	905	47
	3/31/2014	1,900	ND < 500	ND < 1000
	6/17/2014	5,000	ND < 500	ND < 1000
	9/26/2014	700	ND < 500	ND < 1000
	12/5/2014	300	ND < 500	ND < 1000
	3/10/2015	200	ND < 500	ND < 1000
	6/24/2015	300	ND < 500	ND < 1000
	9/14/2015	200	ND < 500	ND < 1000
	12/27/2015	1,400	ND < 500	ND < 1000
	3/21/2016	400	ND < 500	ND < 1000

**TABLE 2**  
**SUMMARY OF GROUNDWATER RESULTS**  
**TOTAL PETROLEUM HYDROCARBONS**

**PIPER TECHNICAL CENTER**

555 Ramirez Street  
Los Angeles, California

Sample ID	Sampling Date	TPHG (C4-C12)	TPHD (C13-C22)	TPH-WO (C23-C40)
		EPA Method 8015M (ug/L)		
MW-7	10/26/2000	1,350	ND < 500	ND < 1000
	3/30/2001	1,250	ND < 100	ND < 1000
	9/14/2001	1,330	ND < 500	ND < 1000
	11/13/2001	1,486	ND < 500	ND < 1000
	3/6/2002	907	ND < 500	ND < 1000
	12/10/2002	1,093	ND < 500	ND < 1000
	3/18/2003	1,548	ND < 500	ND < 1000
	6/18/2003	1,175	ND < 500	ND < 1000
	9/16/2003	1,615	ND < 500	ND < 1000
	12/12/2003	1,024	ND < 500	ND < 1000
	3/16/2004	1,542	ND < 500	ND < 1000
	6/11/2004	1,896	ND < 500	ND < 1000
	8/20/2004	5,562	ND < 500	ND < 1000
	12/31/2004	2,716	ND < 500	ND < 1000
	4/15/2005	1,582	ND < 500	ND < 1000
	6/23/2005	2,228	ND < 500	ND < 1000
	8/26/2005	3,042	ND < 500	ND < 1000
	1/15/2007	2,005	ND < 500	ND < 1000
	10/8/2009	2,200	ND < 500	ND < 1000
	12/21/2009	3,000	ND < 500	ND < 1000
	3/22/2010	6,237	3,060	276
	6/15/2010	2,900	ND < 500	ND < 1000
	9/20/2010	1,900	ND < 500	ND < 1000
	12/28/2010	1,200	ND < 500	ND < 1000
	3/8/2011	1,500	ND < 500	ND < 1000
	6/14/2011	1,700	ND < 500	ND < 1000
	9/8/2011	713	1,560	149
	12/22/2011	1,100	ND < 500	ND < 1000
	3/16/2012	1,700	ND < 500	ND < 1000
	5/29/2012	1,500	ND < 500	ND < 1000
	9/11/2012	1,100	ND < 500	ND < 1000
	11/29/2012	1,100	ND < 500	ND < 1000

**TABLE 2**  
**SUMMARY OF GROUNDWATER RESULTS**  
**TOTAL PETROLEUM HYDROCARBONS**

**PIPER TECHNICAL CENTER**  
555 Ramirez Street  
Los Angeles, California

Sample ID	Sampling Date	TPHG (C4-C12)	TPHD (C13-C22)	TPH-WO (C23-C40)
		EPA Method 8015M (ug/L)		
MW-7	3/12/2013	1,000	ND < 500	ND < 1000
(cont.)	6/11/2013	1,300	ND < 500	ND < 1000
	9/20/2013	1,000	ND < 500	ND < 1000
	12/17/2013	380	928	61
	3/31/2014	900	ND < 500	ND < 1000
	6/17/2014	900	ND < 500	ND < 1000
	9/26/2014	1,100	ND < 500	ND < 1000
	12/5/2014	900	ND < 500	ND < 1000
	3/10/2015	800	ND < 500	ND < 1000
	6/24/2015	1,000	ND < 500	ND < 1000
	9/14/2015	800	ND < 500	ND < 1000
	12/27/2015	1,000	ND < 500	ND < 1000
	3/21/2016	1,000	ND < 500	ND < 1000

**TABLE 2**  
**SUMMARY OF GROUNDWATER RESULTS**  
**TOTAL PETROLEUM HYDROCARBONS**

**PIPER TECHNICAL CENTER**

555 Ramirez Street  
Los Angeles, California

Sample ID	Sampling Date	TPHG (C4-C12)	TPHD (C13-C22)	TPH-WO (C23-C40)
		EPA Method 8015M (ug/L)		
MW-8	10/26/2000	ND < 100	ND < 100	ND < 1000
	3/30/2001	ND < 100	ND < 100	ND < 1000
	9/14/2001	ND < 100	ND < 500	ND < 1000
	11/13/2001	ND < 100	ND < 500	ND < 1000
	3/6/2002	ND < 100	ND < 500	ND < 1000
	12/10/2002	ND < 100	ND < 500	ND < 1000
	3/18/2003	ND < 100	ND < 500	ND < 1000
	6/18/2003	820	ND < 500	ND < 1000
	9/16/2003	ND < 100	ND < 500	ND < 1000
	12/12/2003	ND < 100	ND < 500	ND < 1000
	3/16/2004	ND < 100	ND < 500	ND < 1000
	6/11/2004	106	ND < 500	ND < 1000
	8/20/2004	ND < 100	ND < 500	ND < 1000
	12/31/2004	ND < 100	ND < 500	ND < 1000
	4/15/2005	105	ND < 500	ND < 1000
	6/23/2005	113	ND < 500	ND < 1000
	8/26/2005	ND < 100	ND < 500	ND < 1000
	1/15/2007	ND < 100	ND < 500	ND < 1000
	10/8/2009	ND < 100	ND < 500	ND < 1000
	12/21/2009	ND < 100	ND < 500	ND < 1000
	3/22/2010	10	355	177
	6/15/2010	ND < 100	ND < 500	ND < 1000
	9/20/2010	ND < 100	ND < 500	ND < 1000
	12/28/2010	ND < 100	ND < 500	ND < 1000
	3/8/2011	ND < 100	ND < 500	ND < 1000
	6/14/2011	ND < 100	ND < 500	ND < 1000
	9/8/2011	95	264	129
	12/22/2011	ND < 100	ND < 500	ND < 1000
	3/16/2012	ND < 100	ND < 500	ND < 1000
	5/29/2012	ND < 100	ND < 500	ND < 1000
	9/11/2012	ND < 100	ND < 500	ND < 1000
	11/29/2012	ND < 100	ND < 500	ND < 1000

**TABLE 2**  
**SUMMARY OF GROUNDWATER RESULTS**  
**TOTAL PETROLEUM HYDROCARBONS**

**PIPER TECHNICAL CENTER**  
555 Ramirez Street  
Los Angeles, California

Sample ID	Sampling Date	TPHG (C4-C12)	TPHD (C13-C22)	TPH-WO (C23-C40)
		EPA Method 8015M (ug/L)		
MW-8	3/12/2013	ND < 100	ND < 500	ND < 1000
(cont.)	6/11/2013	ND < 100	ND < 500	ND < 1000
	9/20/2013	ND < 100	ND < 500	ND < 1000
	12/17/2013	ND < 100	233	27
	3/31/2014	ND < 100	ND < 500	ND < 1000
	6/17/2014	ND < 100	ND < 500	ND < 1000
	9/26/2014	ND < 100	ND < 500	ND < 1000
	12/5/2014	ND < 100	ND < 500	ND < 1000
	3/10/2015	ND < 100	ND < 500	ND < 1000
	6/24/2015	ND < 100	ND < 500	ND < 1000
	9/14/2015	ND < 100	ND < 500	ND < 1000
	12/27/2015	ND < 100	ND < 500	ND < 1000
	3/21/2016	ND < 100	ND < 500	ND < 1000

**TABLE 2**  
**SUMMARY OF GROUNDWATER RESULTS**  
**TOTAL PETROLEUM HYDROCARBONS**

**PIPER TECHNICAL CENTER**

555 Ramirez Street  
Los Angeles, California

Sample ID	Sampling Date	TPHG (C4-C12)	TPHD (C13-C22)	TPH-WO (C23-C40)
		EPA Method 8015M (ug/L)		
MW-9	11/9/2001	2,639	ND < 100	ND < 1000
	3/6/2002	ND < 100	ND < 500	ND < 1000
	12/10/2002	324	ND < 500	ND < 1000
	3/18/2003	234	ND < 500	ND < 1000
	6/18/2003	183	ND < 500	ND < 1000
	9/16/2003	298	ND < 500	ND < 1000
	12/12/2003	233	ND < 500	ND < 1000
	3/16/2004	308	ND < 500	ND < 1000
	6/11/2004	325	ND < 500	ND < 1000
	8/20/2004	2,517	ND < 500	ND < 1000
	12/31/2004	2,050	ND < 500	ND < 1000
	4/15/2005	472	ND < 500	ND < 1000
	6/23/2005	917	ND < 500	ND < 1000
	8/26/2005	1,310	ND < 500	ND < 1000
	1/15/2007	392	ND < 500	ND < 1000
	10/8/2009	100	ND < 500	ND < 1000
	12/21/2009	1,100	ND < 500	ND < 1000
	3/22/2010	611	2,870	230
	6/15/2010	700	ND < 500	ND < 1000
	9/20/2010	ND < 100	ND < 500	ND < 1000
12/28/2010	200	ND < 500	ND < 1000	
3/8/2011	100	ND < 500	ND < 1000	
6/14/2011	300	ND < 500	ND < 1000	
9/8/2011	3,129	2,774	308	
12/22/2011	200	ND < 500	ND < 1000	
3/16/2012	300	ND < 500	ND < 1000	
5/29/2012	200	ND < 500	ND < 1000	
9/11/2012	200	ND < 500	ND < 1000	
11/29/2012	200	ND < 500	ND < 1000	



**TABLE 2**  
**SUMMARY OF GROUNDWATER RESULTS**  
**TOTAL PETROLEUM HYDROCARBONS**

**PIPER TECHNICAL CENTER**  
555 Ramirez Street  
Los Angeles, California

Sample ID	Sampling Date	TPHG (C4-C12)	TPHD (C13-C22)	TPH-WO (C23-C40)
		EPA Method 8015M (ug/L)		
MW-9	3/12/2013	200	ND < 500	ND < 1000
(cont.)	6/11/2013	100	ND < 500	ND < 1000
	9/20/2013	ND < 100	ND < 500	ND < 1000
	12/17/2013	47	611	41
	3/31/2014	100	ND < 500	ND < 1000
	6/17/2014	100	ND < 500	ND < 1000
	9/26/2014	200	ND < 500	ND < 1000
	12/5/2014	100	ND < 500	ND < 1000
	3/10/2015	100	ND < 500	ND < 1000
	6/24/2015	100	ND < 500	ND < 1000
	9/14/2015	100	ND < 500	ND < 1000
	12/27/2015	200	ND < 500	ND < 1000
	3/21/2016	800	ND < 500	ND < 1000

**TABLE 2**  
**SUMMARY OF GROUNDWATER RESULTS**  
**TOTAL PETROLEUM HYDROCARBONS**

**PIPER TECHNICAL CENTER**

555 Ramirez Street  
Los Angeles, California

Sample ID	Sampling Date	TPHG (C4-C12)	TPHD (C13-C22)	TPH-WO (C23-C40)
		EPA Method 8015M (ug/L)		
MW-10	11/9/2001	9,228	ND < 100	ND < 1000
	3/6/2002	9,575	ND < 500	ND < 1000
	12/10/2002	5,824	ND < 500	ND < 1000
	3/18/2003	6,784	ND < 500	ND < 1000
	6/18/2003	4,439	ND < 500	ND < 1000
	9/16/2003	6,799	ND < 500	ND < 1000
	12/12/2003	5,315	ND < 500	ND < 1000
	3/16/2004	8,273	ND < 500	ND < 1000
	6/11/2004	5,646	ND < 500	ND < 1000
	8/20/2004	6,203	ND < 500	ND < 1000
	12/31/2004	6,254	ND < 500	ND < 1000
	4/15/2005	5,613	ND < 500	ND < 1000
	6/23/2005	9,134	ND < 500	ND < 1000
	8/26/2005	9,484	ND < 500	ND < 1000
	1/15/2007	9,080	ND < 500	ND < 1000
	10/8/2009	2,400	ND < 500	ND < 1000
	12/21/2009	7,700	ND < 500	ND < 1000
	3/22/2010	2,330	3,380	309
	6/15/2010	7,600	ND < 500	ND < 1000
	9/20/2010	200	ND < 500	ND < 1000
12/28/2010	4,500	ND < 500	ND < 1000	
3/8/2011	5,900	ND < 500	ND < 1000	
6/14/2011	5,000	ND < 500	ND < 1000	
9/8/2011	2,079	2,640	170	
12/22/2011	4,800	ND < 500	ND < 1000	
3/16/2012	5,100	ND < 500	ND < 1000	
5/29/2012	4,800	ND < 500	ND < 1000	
9/11/2012	3,500	ND < 500	ND < 1000	
11/29/2012	4,400	ND < 500	ND < 1000	

**TABLE 2**  
**SUMMARY OF GROUNDWATER RESULTS**  
**TOTAL PETROLEUM HYDROCARBONS**

**PIPER TECHNICAL CENTER**  
555 Ramirez Street  
Los Angeles, California

Sample ID	Sampling Date	TPHG (C4-C12)	TPHD (C13-C22)	TPH-WO (C23-C40)
		EPA Method 8015M (ug/L)		
MW-10	3/12/2013	2,800	ND < 500	ND < 1000
(cont.)	6/11/2013	3,800	ND < 500	ND < 1000
	9/20/2013	3,100	ND < 500	ND < 1000
	12/17/2013	1,130	1,759	35
	3/31/2014	3,300	ND < 500	ND < 1000
	6/17/2014	3,200	ND < 500	ND < 1000
	9/26/2014	3,300	ND < 500	ND < 1000
	12/5/2014	1,400	ND < 500	ND < 1000
	3/10/2015	3,000	ND < 500	ND < 1000
	6/24/2015	3,800	ND < 500	ND < 1000
	9/14/2015	3,800	ND < 500	ND < 1000
	12/27/2015	4,000	ND < 500	ND < 1000
	3/21/2016	4,300	ND < 500	ND < 1000

**TABLE 2**  
**SUMMARY OF GROUNDWATER RESULTS**  
**TOTAL PETROLEUM HYDROCARBONS**

**PIPER TECHNICAL CENTER**

555 Ramirez Street  
Los Angeles, California

Sample ID	Sampling Date	TPHG (C4-C12)	TPHD (C13-C22)	TPH-WO (C23-C40)
		EPA Method 8015M (ug/L)		
MW-11	11/9/2001	44,596	ND < 100	ND < 1000
	3/6/2002	40,920	ND < 500	ND < 1000
	12/10/2002	33,324	ND < 500	ND < 1000
	3/18/2003	29,571	ND < 500	ND < 1000
	6/18/2003	19,331	ND < 500	ND < 1000
	9/16/2003	25,533	ND < 500	ND < 1000
	12/12/2003	19,874	ND < 500	ND < 1000
	3/16/2004	12,344	ND < 500	ND < 1000
	6/11/2004	20,208	ND < 500	ND < 1000
	8/20/2004	20,431	ND < 500	ND < 1000
	12/31/2004	22,941	ND < 500	ND < 1000
	4/15/2005	29,179	ND < 500	ND < 1000
	6/23/2005	22,458	ND < 500	ND < 1000
	8/26/2005	44,094	ND < 500	ND < 1000
	1/15/2007	74,815	ND < 500	ND < 1000
	10/8/2009	7,000	ND < 500	ND < 1000
	12/21/2009	50,400	ND < 500	ND < 1000
	3/22/2010	12,143	7,960	396
	6/15/2010	60,900	ND < 500	ND < 1000
	9/20/2010	50,700	ND < 500	ND < 1000
12/28/2010	35,500	ND < 500	ND < 1000	
3/8/2011	32,100	ND < 500	ND < 1000	
6/14/2011	20,200	ND < 500	ND < 1000	
9/8/2011	12,461	5,760	396	
12/22/2011	33,100	ND < 500	ND < 1000	
3/16/2012	32,500	ND < 500	ND < 1000	
5/29/2012	28,000	ND < 500	ND < 1000	
9/11/2012	32,000	ND < 500	ND < 1000	
11/29/2012	41,800	ND < 500	ND < 1000	

**TABLE 2**  
**SUMMARY OF GROUNDWATER RESULTS**  
**TOTAL PETROLEUM HYDROCARBONS**

**PIPER TECHNICAL CENTER**

555 Ramirez Street  
Los Angeles, California

Sample ID	Sampling Date	TPHG (C4-C12)	TPHD (C13-C22)	TPH-WO (C23-C40)
		EPA Method 8015M (ug/L)		
MW-11	3/12/2013	31,500	ND < 500	ND < 1000
(cont.)	6/11/2013	37,200	ND < 500	ND < 1000
	9/20/2013	36,100	ND < 500	ND < 1000
	12/17/2013	12,400	5,650	73
	3/31/2014	40,400	ND < 500	ND < 1000
	6/17/2014	31,200	ND < 500	ND < 1000
	9/26/2014	43,400	ND < 500	ND < 1000
	12/5/2014	24,100	ND < 500	ND < 1000
	3/10/2015	28,800	ND < 500	ND < 1000
	6/24/2015	42,400	ND < 500	ND < 1000
	9/14/2015	56,000	ND < 500	ND < 1000
	12/27/2015	47,000	ND < 500	ND < 1000
	3/21/2016	34,000	ND < 500	ND < 1000

**TABLE 2**  
**SUMMARY OF GROUNDWATER RESULTS**  
**TOTAL PETROLEUM HYDROCARBONS**

**PIPER TECHNICAL CENTER**

555 Ramirez Street  
Los Angeles, California

Sample ID	Sampling Date	TPHG (C4-C12)	TPHD (C13-C22)	TPH-WO (C23-C40)
		EPA Method 8015M (ug/L)		
MW-12	11/9/2001	4,661	ND < 100	ND < 1000
	3/6/2002	6,844	ND < 500	ND < 1000
	12/10/2002	5,550	ND < 500	ND < 1000
	3/18/2003	4,724	ND < 500	ND < 1000
	6/18/2003	5,141	ND < 500	ND < 1000
	9/16/2003	7,335	ND < 500	ND < 1000
	12/12/2003	3,689	ND < 500	ND < 1000
	3/16/2004	7,661	ND < 500	ND < 1000
	6/11/2004	2,323	ND < 500	ND < 1000
	8/20/2004	3,778	ND < 500	ND < 1000
	12/31/2004	9,704	ND < 500	ND < 1000
	4/15/2005	2,124	ND < 500	ND < 1000
	6/23/2005	5,308	ND < 500	ND < 1000
	8/26/2005	6,121	ND < 500	ND < 1000
	1/15/2007	NS	NS	NS
	10/8/2009	3,200	ND < 500	ND < 1000
	12/21/2009	4,600	ND < 500	ND < 1000
	3/22/2010	1,530	4,160	513
	6/15/2010	5,000	ND < 500	ND < 1000
	9/20/2010	4,500	ND < 500	ND < 1000
12/28/2010	2,900	ND < 500	ND < 1000	
3/8/2011	2,600	ND < 500	ND < 1000	
6/14/2011	3,400	ND < 500	ND < 1000	
9/8/2011	1,050	2,060	228	
12/22/2011	2,300	ND < 500	ND < 1000	
3/16/2012	3,100	ND < 500	ND < 1000	
5/29/2012	4,200	ND < 500	ND < 1000	
9/11/2012	3,100	ND < 500	ND < 1000	
11/29/2012	3,200	ND < 500	ND < 1000	

**TABLE 2**  
**SUMMARY OF GROUNDWATER RESULTS**  
**TOTAL PETROLEUM HYDROCARBONS**

**PIPER TECHNICAL CENTER**

555 Ramirez Street  
Los Angeles, California

Sample ID	Sampling Date	TPHG (C4-C12)	TPHD (C13-C22)	TPH-WO (C23-C40)
		EPA Method 8015M (ug/L)		
MW-12	3/12/2013	2,400	ND < 500	ND < 1000
(cont.)	6/11/2013	3,500	ND < 500	ND < 1000
	9/20/2013	2,700	ND < 500	ND < 1000
	12/17/2013	870	1,637	41
	3/31/2014	2,500	ND < 500	ND < 1000
	6/17/2014	1,800	ND < 500	ND < 1000
	9/26/2014	2,800	ND < 500	ND < 1000
	12/5/2014	1,600	ND < 500	ND < 1000
	3/10/2015	1,800	ND < 500	ND < 1000
	6/24/2015	2,000	ND < 500	ND < 1000
	9/14/2015	2,500	ND < 500	ND < 1000
	12/27/2015	2,300	ND < 500	ND < 1000
	3/21/2016	2,400	ND < 500	ND < 1000

**TABLE 2**  
**SUMMARY OF GROUNDWATER RESULTS**  
**TOTAL PETROLEUM HYDROCARBONS**

**PIPER TECHNICAL CENTER**

555 Ramirez Street  
Los Angeles, California

Sample ID	Sampling Date	TPHG (C4-C12)	TPHD (C13-C22)	TPH-WO (C23-C40)
		EPA Method 8015M (ug/L)		
MW-13	11/9/2001	7,150	ND < 100	ND < 1000
	3/6/2002	9,996	ND < 500	ND < 1000
	12/10/2002	8,462	ND < 500	ND < 1000
	3/18/2003	6,308	ND < 500	ND < 1000
	6/18/2003	6,773	ND < 500	ND < 1000
	9/16/2003	6,341	ND < 500	ND < 1000
	12/12/2003	5,967	ND < 500	ND < 1000
	3/16/2004	6,894	ND < 500	ND < 1000
	6/11/2004	6,055	ND < 500	ND < 1000
	8/20/2004	7,176	ND < 500	ND < 1000
	12/31/2004	11,380	ND < 500	ND < 1000
	4/15/2005	6,571	ND < 500	ND < 1000
	6/23/2005	8,499	ND < 500	ND < 1000
	8/26/2005	9,985	ND < 500	ND < 1000
	1/15/2007	24,121	ND < 500	ND < 1000
	10/8/2009	10,300	ND < 500	ND < 1000
	12/21/2009	16,700	ND < 500	ND < 1000
	3/22/2010	3,790	3,550	839
	6/15/2010	14,400	ND < 500	ND < 1000
	9/20/2010	13,500	ND < 500	ND < 1000
12/28/2010	6,900	ND < 500	ND < 1000	
3/8/2011	8,800	ND < 500	ND < 1000	
6/14/2011	11,100	ND < 500	ND < 1000	
9/8/2011	162	709	138	
12/22/2011	5,500	ND < 500	ND < 1000	
3/16/2012	8,000	ND < 500	ND < 1000	
5/29/2012	11,700	ND < 500	ND < 1000	
9/11/2012	6,700	ND < 500	ND < 1000	
11/29/2012	6,800	ND < 500	ND < 1000	



**TABLE 2**  
**SUMMARY OF GROUNDWATER RESULTS**  
**TOTAL PETROLEUM HYDROCARBONS**

**PIPER TECHNICAL CENTER**

555 Ramirez Street  
Los Angeles, California

Sample ID	Sampling Date	TPHG (C4-C12)	TPHD (C13-C22)	TPH-WO (C23-C40)
		EPA Method 8015M (ug/L)		
MW-13	3/12/2013	5,200	ND < 500	ND < 1000
(cont.)	6/11/2013	6,500	ND < 500	ND < 1000
	9/20/2013	5,900	ND < 500	ND < 1000
	12/17/2013	1,660	1,783	57
	3/31/2014	5,800	ND < 500	ND < 1000
	6/17/2014	4,600	ND < 500	ND < 1000
	9/26/2014	4,700	ND < 500	ND < 1000
	12/5/2014	4,300	ND < 500	ND < 1000
	3/10/2015	4,800	ND < 500	ND < 1000
	6/24/2015	6,600	ND < 500	ND < 1000
	9/14/2015	5,800	ND < 500	ND < 1000
	12/27/2015	5,600	ND < 500	ND < 1000
	3/21/2016	6,100	ND < 500	ND < 1000

TPHG - Total petroleum hydrocarbons - gasoline range  
TPHD - Total petroleum hydrocarbons - diesel range  
TPHWO - Total petroleum hydrocarbons - waste oil range  
TPH concentrations reported in milligrams per liter (mg/L)  
ND - Not detected above the specified detection limit  
NS - Not sampled

**TABLE 3**  
**SUMMARY OF GROUNDWATER RESULTS**  
**SELECTED VOLATILE ORGANIC COMPOUNDS**

**PIPER TECHNICAL CENTER**  
555 Ramirez Street  
Los Angeles, California

Sample ID	Sampling Date	Benzene	Toluene	Ethylbenzene	Xylenes	TCE	cis-1,2-DCE	trans-1,2-DCE	Isopropylbenzene	Vinyl Chloride	Other
		EPA Method 8260/8260B (ug/L)									
MW-1	10/26/2000	6	ND < 1	2	ND < 1	ND < 1	3	ND < 1	ND < 1	ND < 5	ND < 1
	3/30/2001	20	ND < 1	4	ND < 1	ND < 1	6	ND < 1	ND < 1	ND < 5	ND < 1
	9/14/2001	4	ND < 1	ND < 1	ND < 1	ND < 1	3	ND < 1	ND < 1	ND < 1	ND < 1
	11/13/2001	4	ND < 1	ND < 1	ND < 1	ND < 1	3	ND < 1	ND < 1	ND < 1	ND < 1
	3/6/2002	5.3	4.3	1.4	5.3	ND < 0.5	4.0	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	12/10/2002	3.0	ND < 0.5	0.6	ND < 0.5	ND < 0.5	3.4	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	3/18/2003	3.7	ND < 0.5	2.2	2.4	ND < 0.5	6.1	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	6/18/2003	3.6	ND < 0.5	1.9	1.8	ND < 0.5	3.2	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	9/16/2003	9.2	ND < 0.5	1.0	1.3	ND < 0.5	4.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	12/12/2003	3.6	ND < 0.5	ND < 0.5	0.9	ND < 0.5	4.6	4.1	ND < 0.5	ND < 0.5	ND < 0.5
	3/16/2004	3.0	ND < 0.5	ND < 0.5	0.9	ND < 0.5	4.9	3.8	ND < 0.5	ND < 0.5	ND < 0.5
	6/11/2004	1.0	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	5.1	4.0	ND < 0.5	ND < 0.5	ND < 0.5
	8/20/2004	2.4	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	2.7	6.6	ND < 0.5	ND < 0.5	ND < 0.5
	12/31/2004	5.1	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	11.1	17.5	ND < 0.5	ND < 0.5	ND < 0.5
	4/15/2005	5.9	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	5.1	8.1	ND < 0.5	ND < 0.5	ND < 0.5
	6/23/2005	29.7	ND < 0.5	4.7	1.2	ND < 0.5	7.4	5.5	ND < 0.5	ND < 0.5	4.3
	8/26/2005	61.5	1.0	6.0	ND < 0.5	ND < 0.5	10.0	5.7	ND < 0.5	ND < 0.5	ND < 0.5
1/15/2007	5.0	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	1.4	2.0	ND < 0.5	37.8	37.8	
10/8/2009	1.8	1.5	3.0	4.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	10.1	ND < 0.5	
12/21/2009	ND < 0.5	ND < 0.5	3.9	3.6	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	2.5	ND < 0.5	
3/22/2010	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	3.7	2.6	ND < 0.5	24.0	1.2	
6/15/2010	ND < 0.5	3.5	ND < 0.5	3.1	ND < 0.5	1.9	1.1	ND < 0.5	10.9	ND < 0.5	
9/20/2010	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	10.1	ND < 0.5	

**TABLE 3**  
**SUMMARY OF GROUNDWATER RESULTS**  
**SELECTED VOLATILE ORGANIC COMPOUNDS**

**PIPER TECHNICAL CENTER**  
555 Ramirez Street  
Los Angeles, California

Sample ID	Sampling Date	Benzene	Toluene	Ethylbenzene	Xylenes	TCE	cis-1,2-DCE	trans-1,2-DCE	Isopropylbenzene	Vinyl Chloride	Other
		EPA Method 8260/8260B (ug/L)									
MW-1	12/28/2010	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	3.3	ND < 0.5	ND < 0.5	30.4	ND < 0.5
(cont.)	3/8/2011	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	12.8	ND < 0.5
	6/14/2011	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	5.5	ND < 0.5
	9/8/2011	1.1	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	1.4	ND < 0.5	ND < 0.5	7.3	ND < 0.5
	12/22/2011	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	1.3	ND < 0.5	ND < 0.5	3.7	ND < 0.5
	3/16/2012	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	5/29/2012	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	1.2	ND < 0.5	ND < 0.5	7.8	ND < 0.5
	9/11/2012	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	1.7	ND < 0.5	ND < 0.5	10.5	ND < 0.5
	11/29/2012	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	22.9	4.2	ND < 0.5
	3/12/2013	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	1.1	ND < 0.5	ND < 0.5	10.3	ND < 0.5
	6/11/2013	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	0.9	ND < 0.5	ND < 0.5	9.3	ND < 0.5
	9/20/2013	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	6.8	ND < 0.5	ND < 0.5	18.4	ND < 0.5
	12/17/2013	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	1.8	0.9	ND < 0.5	15.0	ND < 0.5
	3/31/2014	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	0.9	ND < 0.5	ND < 0.5	12.2	ND < 0.5
	6/17/2014	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	1.4	ND < 0.5	ND < 0.5	11.9	ND < 0.5
	9/26/2014	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	1.7	0.8	ND < 0.5	19.3	ND < 0.5
	12/5/2014	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	1.8	0.9	ND < 0.5	14.0	ND < 0.5
	3/10/2015	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	1.8	1.0	ND < 0.5	19.3	ND < 0.5
	6/24/2015	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	3.4	1.8	ND < 0.5	26.8	ND < 0.5
	9/14/2015	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	2.8	ND < 0.5	ND < 0.5	13.9	ND < 0.5
	12/27/2015	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	3.5	0.8	ND < 0.5	13.9	ND < 0.5
	3/21/2016	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	4.6	0.9	ND < 0.5	21.3	ND < 0.5

**TABLE 3**  
**SUMMARY OF GROUNDWATER RESULTS**  
**SELECTED VOLATILE ORGANIC COMPOUNDS**

**PIPER TECHNICAL CENTER**  
555 Ramirez Street  
Los Angeles, California

Sample ID	Sampling Date	Benzene	Toluene	Ethylbenzene	Xylenes	TCE	cis-1,2-DCE	trans-1,2-DCE	Isopropylbenzene	Vinyl Chloride	Other
		EPA Method 8260/8260B (ug/L)									
MW-2	10/26/2000	31	ND < 1	12	1	ND < 1	6	ND < 1	ND < 1	ND < 5	ND < 1
	3/30/2001	20	ND < 1	14	2	ND < 1	20	ND < 1	ND < 1	ND < 5	ND < 1
	9/14/2001	44	ND < 1	ND < 1	ND < 1	1	2	ND < 1	ND < 1	ND < 5	ND < 1
	11/13/2001	51	ND < 1	14	4	2	3	ND < 1	ND < 1	ND < 5	ND < 1
	3/6/2002	53.1	4.9	3.8	10.8	2.0	4.6	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	12/10/2002	19.6	2.3	9.2	11.2	ND < 0.5	4.2	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	3/18/2003	20.8	1.0	3.1	3.8	ND < 0.5	7.8	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	6/18/2003	21.7	1.4	3.3	5.1	ND < 0.5	3.8	12.9	ND < 0.5	ND < 0.5	ND < 0.5
	9/16/2003	26.3	0.6	0.9	1.5	ND < 0.5	9.8	12.9	ND < 0.5	ND < 0.5	ND < 0.5
	12/12/2003	25.7	ND < 0.5	1.0	0.6	ND < 0.5	12.1	17.9	ND < 0.5	ND < 0.5	ND < 0.5
	3/16/2004	20.4	6.5	4.6	9.4	ND < 0.5	17.8	16.2	ND < 0.5	ND < 0.5	ND < 0.5
	6/11/2004	14.1	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	11.2	25.4	ND < 0.5	ND < 0.5	ND < 0.5
	8/20/2004	13.4	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	5.7	26.6	ND < 0.5	ND < 0.5	ND < 0.5
	12/31/2004	12.1	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	58.8	40.1	ND < 0.5	ND < 0.5	ND < 0.5
	4/15/2005	42.7	1.6	17.1	4.0	2.3	4.6	9.2	ND < 0.5	ND < 0.5	5.3
	6/23/2005	85.5	2.3	90.4	9.5	4.7	10.7	4.3	ND < 0.5	ND < 0.5	5.6
	8/26/2005	163.3	2.0	131.5	3.5	7.1	12.0	4.9	ND < 0.5	ND < 0.5	ND < 0.5
1/15/2007	14.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	33.0	12.4	ND < 0.5	138.6	138.6	
10/8/2009	6.4	ND < 0.5	1.0	1.6	0.9	33.0	11.0	ND < 0.5	160.6	1.8	
12/21/2009	6.0	ND < 0.5	0.9	ND < 0.5	0.9	21.2	10.1	ND < 0.5	109.2	1.8	
3/22/2010	11.0	ND < 0.5	ND < 0.5	ND < 0.5	0.81	9.3	7.1	ND < 0.5	71.0	1.9	
6/15/2010	19.8	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	3.7	4.8	ND < 0.5	28.2	1.3	
9/20/2010	27.8	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	5.2	5.1	ND < 0.5	47.5	1.3	

**TABLE 3**  
**SUMMARY OF GROUNDWATER RESULTS**  
**SELECTED VOLATILE ORGANIC COMPOUNDS**

**PIPER TECHNICAL CENTER**  
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Los Angeles, California

Sample ID	Sampling Date	Benzene	Toluene	Ethylbenzene	Xylenes	TCE	cis-1,2-DCE	trans-1,2-DCE	Isopropylbenzene	Vinyl Chloride	Other
		EPA Method 8260/8260B (ug/L)									
MW-2	12/28/2010	6.1	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	28.3	10.6	ND < 0.5	157.0	ND < 0.5
(cont.)	3/8/2011	11.1	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	6.1	5.9	ND < 0.5	55.6	ND < 0.5
	6/14/2011	23.3	ND < 0.5	ND < 0.5	1.2	ND < 0.5	3.4	3.3	ND < 0.5	35.9	ND < 0.5
	9/8/2011	28.0	ND < 0.5	ND < 0.5	1.2	0.8	6.1	4.8	ND < 0.5	52.0	1.7
	12/22/2011	13.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	1.0	1.9	ND < 0.5	51.7	ND < 0.5
	3/16/2012	10.0	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	8.2	5.0	ND < 0.5	51.7	ND < 0.5
	5/29/2012	not accessible - paved over									
	9/11/2012	not accessible - paved over									
	11/29/2012	not accessible - paved over									
	3/12/2013	2.6	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	19.7	1.0	ND < 0.5	49.2	ND < 0.5
	6/11/2013	1.9	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	23.9	6.6	ND < 0.5	86.6	ND < 0.5
	9/20/2013	1.3	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	27.6	5.7	ND < 0.5	112.1	ND < 0.5
	12/17/2013	2.2	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	38.0	6.4	ND < 0.5	58.0	0.8
	3/31/2014	1.6	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	39.7	5.5	ND < 0.5	55.5	ND < 0.5
	6/17/2014	1.4	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	31.2	5.3	ND < 0.5	55.5	ND < 0.5
	9/26/2014	1.0	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	41.0	5.9	ND < 0.5	77.2	2.8
	12/5/2014	1.1	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	4.6	5.6	ND < 0.5	51.1	2.5
	3/10/2015	0.9	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	44.0	4.6	ND < 0.5	66.5	2.4
	6/24/2015	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	69.8	6.2	ND < 0.5	79.1	4.7
	9/14/2015	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	53.9	5.0	ND < 0.5	47.9	ND < 0.5
	12/27/2015	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	59.4	4.4	ND < 0.5	37.4	ND < 0.5
	3/21/2016	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	69.6	4.9	ND < 0.5	54.2	1.0

**TABLE 3  
SUMMARY OF GROUNDWATER RESULTS  
SELECTED VOLATILE ORGANIC COMPOUNDS**

**PIPER TECHNICAL CENTER**  
555 Ramirez Street  
Los Angeles, California

Sample ID	Sampling Date	Benzene	Toluene	Ethylbenzene	Xylenes	TCE	cis-1,2-DCE	trans-1,2-DCE	Isopropylbenzene	Vinyl Chloride	Other
		EPA Method 8260/8260B (ug/L)									
MW-3	10/26/2000	49	ND < 1	6	1	ND < 1	4	ND < 1	ND < 1	ND < 5	ND < 1
	3/30/2001	62	ND < 1	2	1	ND < 1	2	ND < 1	ND < 1	ND < 5	ND < 1
	9/14/2001	48	ND < 1	12	ND < 1	ND < 1	14	ND < 1	ND < 1	ND < 1	ND < 1
	11/13/2001	40	ND < 1	7	ND < 1	ND < 1	4	ND < 1	ND < 1	ND < 1	ND < 1
	3/6/2002	35.4	1.7	2.9	2.1	ND < 0.5	4.0	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	12/10/2002	56.8	3.7	28.6	21.5	ND < 0.5	6.0	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	3/18/2003	69.1	1.0	10.0	1.7	ND < 0.5	6.1	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	6/18/2003	51.2	0.5	5.0	ND < 0.5	ND < 0.5	2.7	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	9/16/2003	86.4	1.0	6.5	ND < 0.5	ND < 0.5	3.3	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	12/12/2003	121.6	1.6	13.7	ND < 0.5	ND < 0.5	2.9	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	3/16/2004	60.7	2.7	15.7	9.4	ND < 0.5	4.1	1.5	ND < 0.5	ND < 0.5	ND < 0.5
	6/11/2004	48.1	2.1	15.9	1.5	ND < 0.5	3.3	4.5	ND < 0.5	ND < 0.5	ND < 0.5
	8/20/2004	78.4	ND < 0.5	12.1	ND < 0.5	ND < 0.5	3.7	6.1	ND < 0.5	ND < 0.5	ND < 0.5
	12/31/2004	26.2	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	5.0	6.1	ND < 0.5	ND < 0.5	ND < 0.5
	4/15/2005	314.5	5.9	129.1	12.8	ND < 0.5	4.7	0.6	ND < 0.5	ND < 0.5	ND < 0.5
	6/23/2005	102.9	4.2	69.2	9.2	ND < 0.5	4.3	2.9	ND < 0.5	ND < 0.5	3.7
	8/26/2005	87.5	2.6	40.8	4.0	ND < 0.5	4.9	5.3	ND < 0.5	ND < 0.5	ND < 0.5
1/15/2007	271.5	12.4	360.6	26.9	ND < 0.5	2.9	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	
10/8/2009	181.8	12.8	275.5	75.1	ND < 0.5	1.9	ND < 0.5	10.0	ND < 0.5	ND < 0.5	
12/21/2009	229.2	16.0	359.0	114.5	ND < 0.5	2.6	ND < 0.5	13.2	1.8	ND < 0.5	
3/22/2010	210.0	12.0	290.0	98.0	ND < 0.5	2.6	ND < 0.5	14.0	ND < 0.5	3.9	
6/15/2010	205.5	12.3	402.4	112.7	ND < 0.5	2.6	ND < 0.5	14.1	ND < 0.5	ND < 0.5	
9/20/2010	202.2	9.6	396.8	96.1	ND < 0.5	2.3	ND < 0.5	12.9	ND < 0.5	ND < 0.5	

**TABLE 3  
SUMMARY OF GROUNDWATER RESULTS  
SELECTED VOLATILE ORGANIC COMPOUNDS**

**PIPER TECHNICAL CENTER**  
555 Ramirez Street  
Los Angeles, California

Sample ID	Sampling Date	Benzene	Toluene	Ethylbenzene	Xylenes	TCE	cis-1,2-DCE	trans-1,2-DCE	Isopropylbenzene	Vinyl Chloride	Other
		EPA Method 8260/8260B (ug/L)									
MW-3	12/28/2010	113.3	4.4	196.1	44.5	ND < 0.5	ND < 0.5	ND < 0.5	5.6	ND < 0.5	ND < 0.5
(cont.)	3/8/2011	223.3	9.1	452.1	106.4	ND < 0.5	2.7	ND < 0.5	14.3	ND < 0.5	14.3
	6/14/2011	174.7	7.7	353.1	78.8	ND < 0.5	1.9	ND < 0.5	13.0	ND < 0.5	ND < 0.5
	9/8/2011	220.0	8.8	340.0	71.0	ND < 5	ND < 5	ND < 5	15.0	ND < 0.5	16.0
	12/22/2011	188.2	7.2	343.1	55.9	ND < 5	1.4	ND < 5	15.0	ND < 0.5	12.9
	3/16/2012	192.2	5.9	402.5	44.4	ND < 5	1.2	ND < 5	11.8	ND < 0.5	ND < 0.5
	5/29/2012	not accessible - paved over									
	9/11/2012	not accessible - paved over									
	11/29/2012	not accessible - paved over									
	3/12/2013	not accessible - debris in well									
	6/11/2013	not accessible - debris in well									
	9/20/2013	193.4	7.0	323.8	31.8	ND < 5	3.0	ND < 5	17.9	ND < 0.5	ND < 0.5
	12/17/2013	190.0	7.0	ND < 5	19.7	ND < 5	5.5	ND < 5	15.0	ND < 0.5	21.8
	3/31/2014	203.6	5.2	383.7	21.9	ND < 5	3.0	ND < 5	13.3	ND < 0.5	ND < 0.5
	6/17/2014	187.9	4.6	272.3	18.1	ND < 5	3.0	ND < 5	12.4	ND < 0.5	ND < 0.5
	9/26/2014	171.4	4.3	250.4	14.3	ND < 5	3.1	ND < 5	12.3	1.7	ND < 0.5
	12/5/2014	158.7	4.6	234.2	14.9	ND < 5	2.9	ND < 5	13.6	ND < 0.5	ND < 0.5
	3/10/2015	165.2	3.6	285.6	13.6	ND < 5	2.5	ND < 5	11.9	1.3	11.9
	6/24/2015	192.5	4.7	276.3	10.9	ND < 5	3.5	ND < 5	17.1	1.6	1.4
	9/14/2015	175.3	3.3	263.0	8.6	ND < 5	3.6	ND < 5	12.8	ND < 0.5	ND < 0.5
	12/27/2015	144.9	3.3	189.8	10.5	ND < 5	2.4	ND < 5	12.4	0.8	ND < 0.5
	3/21/2016	150.8	3.1	186.5	9.2	ND < 5	4.1	ND < 5	12.0	2.1	13.4

**TABLE 3**  
**SUMMARY OF GROUNDWATER RESULTS**  
**SELECTED VOLATILE ORGANIC COMPOUNDS**

**PIPER TECHNICAL CENTER**  
555 Ramirez Street  
Los Angeles, California

Sample ID	Sampling Date	Benzene	Toluene	Ethylbenzene	Xylenes	TCE	cis-1,2-DCE	trans-1,2-DCE	Isopropylbenzene	Vinyl Chloride	Other
		EPA Method 8260/8260B (ug/L)									
MW-4	10/26/2000	31	ND < 1	ND < 1	ND < 1	ND < 1	5	ND < 1	ND < 1	ND < 5	ND < 1
	3/30/2001	5	ND < 1	ND < 1	ND < 1	ND < 1	4	ND < 1	ND < 1	ND < 5	ND < 1
	9/14/2001	77	ND < 1	1	ND < 1	2	2	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	11/13/2001	113	ND < 1	4	ND < 1	2	2	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	3/6/2002	140.4	1.9	1.5	2.0	3.2	3.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	12/10/2002	91.8	1.7	1.5	0.9	1.9	2.9	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	3/18/2003	88.5	0.7	1.4	ND < 0.5	2.4	5.0	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	6/18/2003	96.8	0.6	1.7	ND < 0.5	2.4	3.0	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	9/16/2003	126.7	0.7	2.5	ND < 0.5	3.1	4.6	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	12/12/2003	135.2	ND < 0.5	3.2	ND < 0.5	3.1	4.6	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	3/16/2004	73.4	ND < 0.5	1.7	0.8	ND < 0.5	4.1	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	6/11/2004	25.7	ND < 0.5	3.7	ND < 0.5	6.1	9.3	5.1	ND < 0.5	ND < 0.5	ND < 0.5
	8/20/2004	115.6	ND < 0.5	2.2	ND < 0.5	3.4	3.7	1.6	ND < 0.5	ND < 0.5	ND < 0.5
	12/31/2004	41.6	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	4.4	1.7	ND < 0.5	ND < 0.5	ND < 0.5
	4/15/2005	103.2	1.1	14.2	ND < 0.5	ND < 0.5	3.6	2.2	ND < 0.5	ND < 0.5	ND < 0.5
	6/23/2005	86.6	ND < 0.5	ND < 0.5	1.2	ND < 0.5	5.7	2.0	ND < 0.5	ND < 0.5	3.7
	8/26/2005	158.5	2.1	32.8	ND < 0.5	6.3	5.4	1.9	ND < 0.5	ND < 0.5	ND < 0.5
1/15/2007	176.7	0.9	3.9	ND < 0.5	4.8	5.7	2.3	34.8	59.1	59.1	
10/8/2009	112.3	1.9	3.5	2.9	2.9	2.6	1.8	21.5	45.5	9.1	
12/21/2009	110.8	ND < 0.5	3.0	1.5	3.1	2.4	1.9	19.8	37.7	9.5	
3/22/2010	140.0	0.5	2.1	ND < 0.5	3.4	4.3	1.8	25.0	37.0	ND < 0.5	
6/15/2010	96.3	ND < 0.5	3.0	ND < 0.5	1.1	3.7	0.8	26.1	34.3	23.1	
9/20/2010	110.5	ND < 0.5	3.8	ND < 0.5	4.3	4.4	1.9	43.6	48.5	19.7	



**TABLE 3**  
**SUMMARY OF GROUNDWATER RESULTS**  
**SELECTED VOLATILE ORGANIC COMPOUNDS**

**PIPER TECHNICAL CENTER**  
555 Ramirez Street  
Los Angeles, California

Sample ID	Sampling Date	Benzene	Toluene	Ethylbenzene	Xylenes	TCE	cis-1,2-DCE	trans-1,2-DCE	Isopropylbenzene	Vinyl Chloride	Other
		EPA Method 8260/8260B (ug/L)									
MW-4	12/28/2010	86.1	ND < 0.5	2.0	ND < 0.5	1.9	4.6	1.7	27.9	64.8	13.9
(cont.)	3/8/2011	63.2	ND < 0.5	4.8	2.2	3.1	4.6	1.3	21.3	31.2	11.1
	6/14/2011	52.0	ND < 0.5	4.1	ND < 0.5	2.2	3.4	ND < 0.5	22.8	28.0	4.6
	9/8/2011	58.0	ND < 0.5	2.6	ND < 0.5	3.2	5.1	1.8	26.0	30.0	8.2
	12/22/2011	39.4	ND < 0.5	2.5	3.0	1.0	1.0	ND < 0.5	12.9	46.2	3.3
	3/16/2012	33.3	ND < 0.5	1.6	ND < 0.5	2.7	4.4	0.9	21.9	30.5	13.2
	5/29/2012	not accessible - paved over									
	9/11/2012	not accessible - paved over									
	11/29/2012	not accessible - paved over									
	3/12/2013	13.7	ND < 0.5	1.2	ND < 0.5	2.2	4.8	ND < 0.5	31.3	26.7	17.7
	6/11/2013	9.5	ND < 0.5	1.0	ND < 0.5	2.2	4.3	ND < 0.5	22.9	28.5	15.2
	9/20/2013	9.8	ND < 0.5	2.5	ND < 0.5	1.1	4.8	1.5	31.2	52.7	16.1
	12/17/2013	6.2	ND < 0.5	1.6	ND < 0.5	3.8	6.0	1.7	25.0	26.0	5.6
	3/31/2014	4.1	ND < 0.5	1.9	ND < 0.5	3.0	4.5	1.0	25.1	23.1	12.5
	6/17/2014	2.8	ND < 0.5	1.7	ND < 0.5	2.8	4.1	1.4	21.5	23.4	4.4
	9/26/2014	3.4	ND < 0.5	ND < 0.5	ND < 0.5	3.5	4.2	1.4	18.8	33.9	12.0
	12/5/2014	1.8	ND < 0.5	1.5	ND < 0.5	2.6	3.7	1.3	16.5	19.6	10.0
	3/10/2015	3.0	ND < 0.5	2.5	ND < 0.5	3.1	3.5	1.2	22.0	33.0	11.6
	6/24/2015	1.9	ND < 0.5	ND < 0.5	ND < 0.5	3.2	4.1	2.0	24.7	36.4	19.0
	9/14/2015	1.3	ND < 0.5	ND < 0.5	1.2	ND < 0.5	3.1	ND < 0.5	17.9	19.2	9.2
	12/27/2015	5.1	ND < 0.5	7.1	1.2	2.3	3.2	1.0	17.3	20.9	2.6
	3/21/2016	5.1	ND < 0.5	5.9	ND < 0.5	2.4	3.0	1.5	13.8	38.2	9.5

**TABLE 3**  
**SUMMARY OF GROUNDWATER RESULTS**  
**SELECTED VOLATILE ORGANIC COMPOUNDS**

**PIPER TECHNICAL CENTER**  
555 Ramirez Street  
Los Angeles, California

Sample ID	Sampling Date	Benzene	Toluene	Ethylbenzene	Xylenes	TCE	cis-1,2-DCE	trans-1,2-DCE	Isopropylbenzene	Vinyl Chloride	Other
		EPA Method 8260/8260B (ug/L)									
MW-5	10/26/2000	714	913	3,570	2,837	ND < 1	ND < 1	ND < 1	ND < 1	ND < 5	ND < 1
	3/30/2001	742	1,455	4,068	4,208	ND < 1	ND < 1	ND < 1	ND < 1	ND < 5	ND < 1
	9/14/2001	603	1,089	3,788	3,864	ND < 1	ND < 1	ND < 1	ND < 1	ND < 5	ND < 1
	11/9/2001	776	151	2,757	1,718	ND < 1	ND < 1	ND < 1	ND < 1	ND < 5	ND < 1
	3/6/2002	765.9	683.6	5,070.3	4,800.7	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	12/10/2002	402.3	150.7	2,757.3	1,717.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	3/18/2003	253.8	78.9	1,879.7	987.9	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	6/18/2003	485.8	218.3	2,651.6	1,645.0	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	9/16/2003	388.6	53.4	1,457.0	815.4	ND < 5	24.5	ND < 5	ND < 5	ND < 5	ND < 5
	12/12/2003	492.3	459.4	2,534.7	1,952.2	ND < 5	9.1	ND < 5	ND < 5	ND < 5	ND < 5
	3/16/2004	339.8	170.4	2,285.0	1,303.1	ND < 5	18.3	ND < 5	ND < 5	ND < 5	ND < 5
	6/11/2004	329.7	767.3	4,008.4	3,775.9	ND < 25	ND < 25	ND < 25	ND < 25	ND < 2.5	ND < 2.5
	8/20/2004	253.4	94.0	1,452.0	804.0	ND < 25	ND < 25	ND < 25	ND < 25	ND < 2.5	ND < 2.5
	12/31/2004	111.2	16.5	470.1	371.2	6.3	39.9	ND < 2.5	ND < 2.5	ND < 2.5	ND < 2.5
	4/15/2005	597.4	854.7	3,936.7	2,809.5	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50
	6/23/2005	697.5	501.9	3,320.3	2,342.4	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50
	8/26/2005	723.0	648.4	3,444.1	2,644.1	ND < 25	ND < 25	ND < 25	ND < 25	ND < 2.5	ND < 2.5
	1/15/2007	530.7	34.5	1,938.2	ND < 0.5	ND < 0.5	23.2	ND < 0.5	55.6	ND < 0.5	ND < 0.5
	10/8/2009	537.5	155.3	4,075.6	2,652.0	ND < 0.5	ND < 0.5	ND < 0.5	53.1	ND < 0.5	20.6
	12/21/2009	825.8	434.0	8,147.5	10,681.2	18.3	15.3	ND < 0.5	119.9	33.0	56.8
	3/22/2010	580.0	290.0	7,800.0	5,900.0	12.0	11.0	ND < 0.5	75.0	28.0	826.6
	6/15/2010	455.9	318.7	13,740.3	9,452.8	8.6	ND < 0.5	ND < 0.5	132.4	28.7	84.4
	9/20/2010	319.4	218.4	8,278.2	5,037.5	13.8	ND < 0.5	ND < 0.5	82.8	41.0	42.7

**TABLE 3**  
**SUMMARY OF GROUNDWATER RESULTS**  
**SELECTED VOLATILE ORGANIC COMPOUNDS**

**PIPER TECHNICAL CENTER**  
555 Ramirez Street  
Los Angeles, California

Sample ID	Sampling Date	Benzene	Toluene	Ethylbenzene	Xylenes	TCE	cis-1,2-DCE	trans-1,2-DCE	Isopropylbenzene	Vinyl Chloride	Other
MW-5	12/28/2010	105.9	22.9	1,246.1	247.6	ND < 0.5	ND < 0.5	ND < 0.5	51.9	92.2	92.9
(cont.)	3/8/2011	126.3	63.5	3,309.1	1,407.5	ND < 0.5	ND < 0.5	ND < 0.5	39.1	31.1	25.4
	6/14/2011	202.8	107.5	3,796.6	4,111.8	ND < 0.5	11.8	ND < 0.5	47.5	17.1	11.3
	9/8/2011	250.0	150.0	6,100.0	2,980.0	ND < 50	ND < 50	ND < 50	74.0	ND < 50	665.0
	12/22/2011	102.6	62.4	3,015.8	1,222.1	ND < 50	ND < 50	ND < 50	55.1	39.0	17.9
	3/16/2012	68.4	28.9	1,627.7	512.7	7.7	14.9	ND < 50	34.9	24.3	23.9
	5/29/2012	87.2	55.5	4,007.3	1,450.8	ND < 10	ND < 10	ND < 10	52.2	21.1	23.9
	9/11/2012	178.3	192.2	4,007.3	4,949.9	ND < 10	ND < 10	ND < 10	143.1	ND < 10	106.0
	11/29/2012	148.3	145.2	11,618.0	3,951.7	ND < 10	ND < 10	ND < 10	105.0	ND < 10	20.7
	3/12/2013	60.8	43.5	2,107.3	836.1	ND < 10	ND < 10	ND < 10	40.2	17.3	ND < 0.5
	6/11/2013	37.7	16.0	663.9	171.5	2.9	7.9	ND < 10	29.3	28.7	25.8
	9/20/2013	49.5	28.0	1,166.3	229.8	ND < 10	ND < 10	ND < 10	73.3	42.0	51.5
	12/17/2013	38.0	8.4	480.0	83.0	7.0	13.0	ND < 10	26.0	22.0	82.6
	3/31/2014	36.2	12.8	763.4	137.7	6.3	12.4	ND < 10	28.7	25.2	26.6
	6/17/2014	43.2	18.6	1,031.5	221.8	10.4	11.3	ND < 10	50.9	29.6	86.7
	9/26/2014	44.0	27.5	1,456.9	463.2	11.3	11.5	ND < 10	40.1	35.6	32.6
	12/5/2014	40.3	18.0	1,051.2	348.2	6.0	7.6	ND < 10	32.4	30.3	25.2
	3/10/2015	38.9	9.0	496.3	82.2	5.0	6.0	ND < 10	20.6	38.0	16.3
	6/24/2015	42.4	10.9	432.5	62.1	2.8	10.8	ND < 10	36.1	59.8	53.3
	9/14/2015	36.2	7.1	383.3	49.6	ND < 2.5	ND < 2.5	ND < 2.5	23.0	29.8	ND < 0.5
	12/27/2015	39.6	5.8	278.5	46.4	4.7	5.9	ND < 2.5	23.1	29.5	19.8
	3/21/2016	39.6	5.6	300.6	46.6	5.2	7.8	ND < 2.5	22.1	28.8	25.9

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**SUMMARY OF GROUNDWATER RESULTS**  
**SELECTED VOLATILE ORGANIC COMPOUNDS**

**PIPER TECHNICAL CENTER**  
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Los Angeles, California

Sample ID	Sampling Date	Benzene	Toluene	Ethylbenzene	Xylenes	TCE	cis-1,2-DCE	trans-1,2-DCE	Isopropylbenzene	Vinyl Chloride	Other
		EPA Method 8260/8260B (ug/L)									
MW-6	10/26/2000	23	118	431	510	ND < 1	7	ND < 1	ND < 1	ND < 5	ND < 1
	3/30/2001	15	139	506	536	ND < 1	7	ND < 1	ND < 1	ND < 5	ND < 1
	9/14/2001	18	83	576	547	ND < 1	ND < 1	ND < 1	ND < 1	ND < 5	ND < 1
	11/9/2001	29	129	1,004	658	ND < 1	ND < 1	ND < 1	ND < 1	ND < 5	ND < 1
	3/6/2002	17.6	55.3	648.8	247.9	ND < 0.5	ND < 1	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	12/10/2002	7.0	24.0	292.5	99.3	ND < 0.5	3.1	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	3/18/2003	15.7	57.7	753.4	323.7	3.0	7.7	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	6/18/2003	19.1	52.2	701.1	213.1	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	9/16/2003	42.8	214.7	383.7	405.4	ND < 0.5	6.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	12/12/2003	73.5	300.0	1,154.2	593.5	ND < 2.5	4.4	ND < 2.5	ND < 2.5	ND < 2.5	ND < 2.5
	3/16/2004	38.9	128.7	748.7	392.5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5
	6/11/2004	47.8	305.8	1,296.4	668.2	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	8/20/2004	26.0	49.0	803.0	227.0	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	12/31/2004	22.8	24.7	730.9	ND < 5	ND < 10	13.6	5.7	ND < 10	ND < 10	ND < 10
	4/15/2005	88.9	1,136.0	1,523.6	929.6	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	6/23/2005	85.1	328.8	1,275.1	1,145.4	ND < 10	11.8	ND < 10	ND < 10	ND < 10	ND < 10
	8/26/2005	105.9	908.2	2,448.1	1,768.7	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
1/15/2007	57.7	205.1	4,850.3	1,435.9	ND < 0.5	3.3	ND < 0.5	99.5	89.6	89.6	
10/8/2009	31.3	59.7	1,890.7	789.6	ND < 0.5	ND < 0.5	ND < 0.5	59.6	36.0	6.2	
12/21/2009	38.2	281.7	3,644.4	3,937.9	ND < 0.5	ND < 0.5	ND < 0.5	90.7	50.1	20.7	
3/22/2010	35.0	220.0	2,800.0	1,070.0	ND < 0.5	ND < 0.5	ND < 0.5	75.0	33.0	47.6	
6/15/2010	31.4	432.7	6,216.5	4,920.3	ND < 0.5	ND < 0.5	ND < 0.5	45.1	80.9	20.7	
9/20/2010	15.4	27.0	1,459.9	224.5	ND < 0.5	ND < 0.5	ND < 0.5	44.1	72.2	7.2	

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**SELECTED VOLATILE ORGANIC COMPOUNDS**

**PIPER TECHNICAL CENTER**  
555 Ramirez Street  
Los Angeles, California

Sample ID	Sampling Date	Benzene	Toluene	Ethylbenzene	Xylenes	TCE	cis-1,2-DCE	trans-1,2-DCE	Isopropylbenzene	Vinyl Chloride	Other
		EPA Method 8260/8260B (ug/L)									
MW-6	12/28/2010	5.8	4.9	111.9	18.1	ND < 0.5	ND < 0.5	9.1	6.0	237.9	ND < 10
(cont.)	3/8/2011	26.1	240.1	2,792.6	1,846.7	ND < 0.5	ND < 0.5	ND < 2.5	46.7	68.6	8.1
	6/14/2011	27.6	322.7	4,717.2	2,885.9	ND < 0.5	ND < 0.5	ND < 2.5	102.5	50.7	14.6
	9/8/2011	27.0	54.0	2,100.0	498.0	ND < 0.5	ND < 0.5	ND < 2.5	75.0	87.0	34.0
	12/22/2011	10.3	35.6	2,184.7	450.9	ND < 0.5	ND < 0.5	ND < 2.5	63.7	102.4	ND < 10
	3/16/2012	20.3	85.4	2,417.9	958.6	ND < 0.5	ND < 0.5	ND < 2.5	57.1	34.9	ND < 10
	5/29/2012	11.2	31.6	1,998.6	572.7	ND < 2.5	ND < 2.5	ND < 2.5	51.7	41.9	4.4
	9/11/2012	13.1	35.3	1,772.0	484.8	ND < 2.5	ND < 2.5	ND < 2.5	55.4	50.8	8.8
	11/29/2012	15.6	47.4	4,468.1	691.2	ND < 2.5	ND < 2.5	ND < 2.5	85.0	50.9	6.4
	3/12/2013	17.0	27.0	1,716.8	527.2	ND < 2.5	ND < 2.5	ND < 2.5	73.5	36.9	16.5
	6/11/2013	11.5	22.5	1,291.3	311.6	ND < 2.5	ND < 2.5	ND < 2.5	64.3	48.4	ND < 10
	9/20/2013	15.6	30.0	1,981.1	414.6	ND < 2.5	ND < 2.5	ND < 2.5	106.8	65.1	3.6
	12/17/2013	ND < 25	ND < 25	770.0	208.0	ND < 25	ND < 25	ND < 25	ND < 25	36.0	ND < 25
	3/31/2014	9.2	6.3	595.1	129.3	ND < 25	ND < 25	ND < 25	32.4	58.4	ND < 25
	6/17/2014	15.2	14.6	2,039.9	195.2	ND < 25	3.2	2.0	86.2	46.8	12.6
	9/26/2014	6.9	2.7	103.2	24.0	ND < 25	2.6	ND < 2.5	11.0	77.0	ND < 2.5
	12/5/2014	3.5	1.2	30.8	11.7	ND < 25	1.7	2.3	3.4	57.4	1.6
	3/10/2015	3.2	1.0	20.6	14.1	ND < 25	1.3	2.2	1.8	87.8	1.9
	6/24/2015	3.5	1.3	19.7	15.4	ND < 25	0.8	3.4	2.4	102.3	4.2
	9/14/2015	1.9	ND < 0.5	10.4	10.0	ND < 25	ND < 0.5	ND < 0.5	1.2	64.1	ND < 0.5
	12/27/2015	2.7	ND < 0.5	12.3	6.2	ND < 25	ND < 0.5	2.2	1.2	46.7	1.8
	3/21/2016	2.5	1.2	20.0	16.8	ND < 25	ND < 0.5	2.4	1.4	67.7	1.9

**TABLE 3  
SUMMARY OF GROUNDWATER RESULTS  
SELECTED VOLATILE ORGANIC COMPOUNDS**

**PIPER TECHNICAL CENTER**  
555 Ramirez Street  
Los Angeles, California

Sample ID	Sampling Date	Benzene	Toluene	Ethylbenzene	Xylenes	TCE	cis-1,2-DCE	trans-1,2-DCE	Isopropylbenzene	Vinyl Chloride	Other
		EPA Method 8260/8260B (ug/L)									
MW-7	10/26/2000	164	10	312	168	ND < 1	8	ND < 1	ND < 1	ND < 5	ND < 1
	3/30/2001	138	16	264	105	ND < 1	11	ND < 1	ND < 1	ND < 5	ND < 1
	9/14/2001	127	15	263	101	6	10	ND < 1	ND < 1	ND < 5	ND < 1
	11/13/2001	140	15	300	103	11	11	ND < 1	ND < 1	ND < 5	ND < 1
	3/6/2002	173.0	15.4	286.7	87.2	8.9	19.4	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	12/10/2002	117.5	11.3	247.8	73.8	ND < 0.5	24.2	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	3/18/2003	164.1	15.5	396.3	105.1	10.7	31.1	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	6/18/2003	141.7	12.1	313.0	83.7	ND < 0.5	14.2	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	9/16/2003	236.0	19.9	433.0	128.0	ND < 0.5	26.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	12/12/2003	151.5	16.3	282.9	102.1	ND < 2.5	14.5	ND < 2.5	ND < 2.5	ND < 2.5	ND < 2.5
	3/16/2004	95.9	11.2	327.4	139.1	ND < 2.5	11.7	ND < 2.5	ND < 2.5	ND < 2.5	ND < 2.5
	6/11/2004	98.3	16.4	258.8	187.9	10.3	66.9	ND < 5	ND < 5	ND < 5	ND < 5
	8/20/2004	99.2	11.0	228.0	105.0	8.0	12.6	ND < 5	ND < 5	ND < 5	ND < 5
	12/31/2004	65.2	4.7	182.9	46.4	4.1	23.1	6.3	ND < 5	ND < 5	ND < 5
	4/15/2005	128.6	12.2	197.1	74.5	8.5	15.9	ND < 5	ND < 5	ND < 5	ND < 5
	6/23/2005	181.1	11.8	285.6	95.3	11.4	28.1	ND < 5	ND < 5	ND < 5	ND < 5
8/26/2005	207.9	14.2	284.0	94.4	10.6	21.9	ND < 5	ND < 5	ND < 5	ND < 5	
1/15/2007	176.9	7.7	397.7	68.6	9.8	20.2	1.1	25.9	63.1	63.1	
10/8/2009	158.3	11.9	312.9	334.9	6.0	9.4	ND < 0.5	22.5	71.1	8.5	
12/21/2009	162.6	12.3	429.1	62.6	6.8	7.3	1.8	26.2	83.3	22.0	
3/22/2010	130.0	8.6	350.0	42.0	5.0	8.4	ND < 2.5	26.0	62.0	14.3	
6/15/2010	87.2	11.2	451.7	72.8	2.9	7.6	2.1	26.6	66.0	14.3	
9/20/2010	339.3	5.1	397.7	28.6	5.5	7.0	1.9	20.7	71.4	13.4	

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**SUMMARY OF GROUNDWATER RESULTS**  
**SELECTED VOLATILE ORGANIC COMPOUNDS**

**PIPER TECHNICAL CENTER**  
555 Ramirez Street  
Los Angeles, California

Sample ID	Sampling Date	Benzene	Toluene	Ethylbenzene	Xylenes	TCE	cis-1,2-DCE	trans-1,2-DCE	Isopropylbenzene	Vinyl Chloride	Other
		EPA Method 8260/8260B (ug/L)									
MW-7	12/28/2010	84.8	4.8	308.3	22.0	5.2	8.7	ND < 2.5	23.6	91.2	14.7
(cont.)	3/8/2011	87.5	8.9	435.0	44.2	6.2	10.9	ND < 1	26.2	61.2	11.1
	6/14/2011	53.8	4.8	317.7	25.8	5.5	8.0	ND < 1	24.7	33.8	11.5
	9/8/2011	65.0	5.3	320.0	27.9	6.0	12.0	ND < 1	30.0	22.0	43.2
	12/22/2011	56.4	4.5	312.3	22.3	1.8	12.3	ND < 1	26.4	81.5	3.5
	3/16/2012	52.5	7.3	349.1	38.6	3.1	4.3	ND < 1	25.0	52.0	7.7
	5/29/2012	31.8	3.8	234.2	17.5	4.0	7.1	1.1	20.1	34.9	8.3
	9/11/2012	33.9	4.5	219.0	19.2	5.7	9.6	ND < 1	24.0	48.4	10.7
	11/29/2012	42.8	4.5	239.3	101.5	2.8	4.1	ND < 1	39.4	58.1	3.5
	3/12/2013	37.7	4.7	204.7	18.5	3.9	7.3	ND < 1	26.9	33.9	9.3
	6/11/2013	31.2	3.4	156.2	14.5	3.7	6.3	ND < 1	21.8	42.0	9.4
	9/20/2013	36.7	4.5	205.1	18.8	1.6	9.7	ND < 1	30.7	77.3	6.8
	12/17/2013	44.0	5.0	170.0	12.0	6.2	12.0	ND < 1	25.0	38.0	ND < 2.5
	3/31/2014	37.7	3.9	177.2	15.8	4.9	8.6	ND < 1	24.3	39.1	12.3
	6/17/2014	31.4	3.5	144.5	14.0	5.1	8.9	ND < 1	20.7	36.4	14.4
	9/26/2014	31.5	3.2	120.6	11.2	5.9	9.2	1.1	20.1	53.3	16.6
	12/5/2014	33.4	3.9	118.4	12.7	4.4	8.0	1.6	22.4	36.1	12.9
	3/10/2015	31.2	2.6	118.3	13.1	4.2	6.1	1.2	19.5	44.9	11.2
	6/24/2015	35.0	3.7	115.0	11.4	5.2	7.9	1.0	25.6	54.8	20.8
	9/14/2015	27.2	1.6	89.0	7.9	ND < 0.5	ND < 1	ND < 1	17.3	26.7	10.3
	12/27/2015	28.5	2.0	78.4	8.9	3.1	5.7	ND < 1	16.2	26.0	7.6
	3/21/2016	29.7	2.1	76.8	9.1	4.2	5.7	0.8	15.5	29.9	10.6

**TABLE 3**  
**SUMMARY OF GROUNDWATER RESULTS**  
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**PIPER TECHNICAL CENTER**  
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Sample ID	Sampling Date	Benzene	Toluene	Ethylbenzene	Xylenes	TCE	cis-1,2-DCE	trans-1,2-DCE	Isopropylbenzene	Vinyl Chloride	Other
		EPA Method 8260/8260B (ug/L)									
MW-8	10/26/2000	3	ND < 1	ND < 1	ND < 1	ND < 1	34	ND < 1	ND < 1	ND < 5	ND < 1
	3/30/2001	2	1	2	2	2	37	ND < 1	ND < 1	ND < 5	ND < 1
	9/14/2001	2	ND < 1	ND < 1	ND < 1	1	30	ND < 1	ND < 1	ND < 5	ND < 1
	11/13/2001	2	ND < 1	ND < 1	ND < 1	ND < 1	40	ND < 1	ND < 1	ND < 5	ND < 1
	3/6/2002	3.2	ND < 0.5	ND < 0.5	ND < 0.5	1.2	45.4	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	12/10/2002	1.9	ND < 0.5	0.6	ND < 0.5	ND < 0.5	54.6	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	3/18/2003	1.8	ND < 0.5	1.5	2.0	ND < 0.5	56.2	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	6/18/2003	3.1	5.5	10.7	12.6	ND < 0.5	45.1	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	9/16/2003	2.4	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	121.8	15.2	ND < 0.5	ND < 0.5	ND < 0.5
	12/12/2003	1.6	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	95.9	10.2	ND < 0.5	ND < 0.5	ND < 0.5
	3/16/2004	1.2	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	62.2	2.1	ND < 0.5	ND < 0.5	ND < 0.5
	6/11/2004	1.4	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	178.6	18.5	ND < 0.5	ND < 0.5	ND < 0.5
	8/20/2004	0.9	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	74.3	11.9	ND < 0.5	ND < 0.5	ND < 0.5
	12/31/2004	2.5	1.9	9.0	10.3	ND < 0.5	87.0	9.0	ND < 0.5	ND < 0.5	ND < 0.5
	4/15/2005	1.8	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	67.5	9.2	ND < 0.5	ND < 0.5	ND < 0.5
	6/23/2005	1.9	ND < 0.5	1.1	ND < 0.5	ND < 0.5	66.7	8.9	ND < 0.5	ND < 0.5	4.7
	8/26/2005	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	84.0	9.6	ND < 0.5	ND < 0.5	ND < 0.5
	1/15/2007	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	68.7	7.3	ND < 0.5	41.3	41.3
10/8/2009	2.1	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	66.9	4.4	ND < 0.5	49.1	1.4	
12/21/2009	ND < 0.5	ND < 0.5	3.7	3.9	ND < 0.5	57.6	5.6	ND < 0.5	40.3	1.4	
3/22/2010	0.6	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	53.0	5.2	ND < 0.5	32.0	2.6	
6/15/2010	4.0	ND < 0.5	ND < 0.5	2.8	ND < 0.5	31.7	4.2	ND < 0.5	22.4	0.6	
9/20/2010	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	27.1	3.4	ND < 0.5	31.9	1.0	



**TABLE 3**  
**SUMMARY OF GROUNDWATER RESULTS**  
**SELECTED VOLATILE ORGANIC COMPOUNDS**

**PIPER TECHNICAL CENTER**  
555 Ramirez Street  
Los Angeles, California

Sample ID	Sampling Date	Benzene	Toluene	Ethylbenzene	Xylenes	TCE	cis-1,2-DCE	trans-1,2-DCE	Isopropylbenzene	Vinyl Chloride	Other
		EPA Method 8260/8260B (ug/L)									
MW-8	12/28/2010	ND < 0.5	ND < 0.5	1.6	ND < 0.5	ND < 0.5	29.9	3.6	ND < 0.5	46.5	ND < 0.5
(cont.)	3/8/2011	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	25.6	2.5	ND < 0.5	24.1	ND < 0.5
	6/14/2011	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	24.5	2.4	ND < 0.5	21.3	ND < 0.5
	9/8/2011	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	20.0	2.9	ND < 0.5	21.0	ND < 0.5
	12/22/2011	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	4.9	1.1	ND < 0.5	23.9	ND < 0.5
	3/16/2012	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	14.8	0.8	ND < 0.5	15.6	ND < 0.5
	5/29/2012	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	11.1	1.4	ND < 0.5	13.7	ND < 0.5
	9/11/2012	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	13.1	1.3	ND < 0.5	17.1	ND < 0.5
	11/29/2012	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	3.7	ND < 0.5	ND < 0.5	28.1	ND < 0.5
	3/12/2013	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	11.7	1.3	ND < 0.5	13.1	ND < 0.5
	6/11/2013	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	11.6	0.8	ND < 0.5	18.2	ND < 0.5
	9/20/2013	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	14.7	0.8	ND < 0.5	36.3	ND < 0.5
	12/17/2013	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	17.0	2.2	ND < 0.5	22.0	0.7
	3/31/2014	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	14.9	1.8	ND < 0.5	21.2	ND < 0.5
	6/17/2014	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	13.3	1.6	ND < 0.5	19.0	ND < 0.5
	9/26/2014	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	14.0	2.0	ND < 0.5	29.6	ND < 0.5
	12/5/2014	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	14.3	1.5	ND < 0.5	18.1	ND < 0.5
	3/10/2015	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	12.5	1.5	ND < 0.5	25.3	ND < 0.5
	6/24/2015	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	17.6	2.3	ND < 0.5	34.6	ND < 0.5
	9/14/2015	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	11.2	ND < 0.5	ND < 0.5	19.0	ND < 0.5
	12/27/2015	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	11.5	1.6	ND < 0.5	17.3	ND < 0.5
	3/21/2016	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	10.5	1.7	ND < 0.5	21.5	ND < 0.5

**TABLE 3**  
**SUMMARY OF GROUNDWATER RESULTS**  
**SELECTED VOLATILE ORGANIC COMPOUNDS**

**PIPER TECHNICAL CENTER**  
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Sample ID	Sampling Date	Benzene	Toluene	Ethyl-benzene	Xylenes	TCE	cis-1,2-DCE	trans-1,2-DCE	Isopropyl-benzene	Vinyl Chloride	Other
		EPA Method 8260/8260B (ug/L)									
MW-9	9/14/2001	ND < 1	ND < 0.5	3	6	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 1
	11/9/2001	ND < 1	ND < 1	9	13	1	2	ND < 1	ND < 1	ND < 5	ND < 1
	3/6/2002	ND < 1	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 1
	12/10/2002	ND < 1	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 1
	3/18/2003	2.8	0.6	5.4	1.7	6.5	15.1	ND < 0.5	ND < 0.5	ND < 0.5	3.5
	6/18/2003	1.8	ND < 0.5	4.0	0.7	4.9	8.2	ND < 0.5	ND < 0.5	ND < 0.5	2.1
	9/16/2003	3.6	0.9	6.3	2.4	8.8	20.0	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	12/12/2003	4.8	ND < 0.5	8.1	3.5	10.3	30.4	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	3/16/2004	3.3	0.7	6.3	5.4	14.1	29.4	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	6/11/2004	2.8	ND < 0.5	8.3	7.7	11.6	57.8	3.6	ND < 0.5	ND < 0.5	2.8
	8/20/2004	1.1	ND < 0.5	16.7	26.9	3.2	12.7	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	12/31/2004	2.5	1.5	3.7	17.4	2.7	13.7	ND < 0.5	ND < 0.5	ND < 0.5	1.1
	4/15/2005	0.8	ND < 0.5	3.7	5.8	ND < 0.5	2.1	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	6/23/2005	1.4	ND < 0.5	7.5	9.8	2.5	9.1	2.0	ND < 0.5	ND < 0.5	7.3
	8/26/2005	2.0	4.7	22.8	27.3	3.3	8.2	2.3	ND < 0.5	ND < 0.5	2.4
	1/15/2007	ND < 0.5	ND < 0.5	2.1	1.0	3.2	5.8	3.1	ND < 0.5	122.8	122.8
	10/8/2009	13.0	1.9	22.6	2.3	3.3	6.0	1.8	1.8	115.9	5.2
12/21/2009	7.2	ND < 0.5	10.2	5.9	2.2	4.3	1.6	2.7	70.5	3.5	
3/22/2010	4.4	ND < 0.5	3.4	5.7	1.3	4.3	1.6	2.8	54.0	31.9	
6/15/2010	4.6	ND < 0.5	5.2	4.1	1.3	0.7	1.1	1.5	64.3	4.2	
9/20/2010	4.9	ND < 0.5	1.1	ND < 0.5	1.4	2.3	2.3	1.0	103.4	4.1	

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Sample ID	Sampling Date	Benzene	Toluene	Ethylbenzene	Xylenes	TCE	cis-1,2-DCE	trans-1,2-DCE	Isopropylbenzene	Vinyl Chloride	Other
		EPA Method 8260/8260B (ug/L)									
MW-9	12/28/2010	6.5	ND < 0.5	1.9	ND < 0.5	1.7	3.7	2.0	1.4	121.4	4.5
(cont.)	3/8/2011	7.7	ND < 0.5	4.1	2.5	2.7	5.5	2.0	1.8	83.3	5.2
	6/14/2011	4.3	ND < 0.5	3.4	1.5	ND < 0.5	1.6	1.5	1.5	70.7	3.3
	9/8/2011	4.6	ND < 0.5	ND < 0.5	0.6	1.3	3.0	2.4	1.6	100.0	6.9
	12/22/2011	4.0	ND < 0.5	0.9	ND < 0.5	ND < 0.5	1.1	1.2	1.4	112.6	1.3
	3/16/2012	3.4	ND < 0.5	1.0	ND < 0.5	0.9	3.7	ND < 0.5	1.2	71.4	2.9
	5/29/2012	2.0	ND < 0.5	1.0	ND < 0.5	0.8	2.1	0.7	1.0	49.9	5.1
	9/11/2012	2.1	ND < 0.5	ND < 0.5	1.3	ND < 0.5	1.1	1.7	1.2	86.9	2.5
	11/29/2012	1.4	ND < 0.5	2.9	ND < 0.5	ND < 0.5	ND < 0.5	1.3	1.0	112.1	1.6
	3/12/2013	1.9	ND < 0.5	ND < 0.5	1.5	0.8	2.6	1.4	1.5	66.2	1.4
	6/11/2013	1.7	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	1.7	2.0	1.0	70.3	0.6
	9/20/2013	1.5	ND < 0.5	ND < 0.5	1.3	ND < 0.5	1.1	1.3	1.3	145.9	3.3
	12/17/2013	1.7	ND < 0.5	ND < 0.5	ND < 0.5	0.9	2.7	2.1	1.0	66.0	6.2
	3/31/2014	2.0	ND < 0.5	2.7	ND < 0.5	ND < 0.5	4.2	1.5	1.2	68.9	2.2
	6/17/2014	1.4	ND < 0.5	ND < 0.5	ND < 0.5	0.9	2.9	1.4	ND < 0.5	58.5	2.3
	9/26/2014	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	1.0	2.6	1.6	ND < 0.5	88.7	2.5
	12/5/2014	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	3.1	1.8	ND < 0.5	63.1	2.5
	3/10/2015	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	2.9	1.2	ND < 0.5	85.4	2.1
	6/24/2015	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	5.4	1.4	ND < 0.5	91.8	2.9
	9/14/2015	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	5.2	ND < 0.5	ND < 0.5	47.8	2.0
	12/27/2015	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	1.3	8.8	1.2	ND < 0.5	35.9	1.9
	3/21/2016	ND < 0.5	ND < 0.5	1.7	2.5	1.2	7.4	1.1	ND < 0.5	38.2	1.6

**TABLE 3**  
**SUMMARY OF GROUNDWATER RESULTS**  
**SELECTED VOLATILE ORGANIC COMPOUNDS**

**PIPER TECHNICAL CENTER**  
555 Ramirez Street  
Los Angeles, California

Sample ID	Sampling Date	Benzene	Toluene	Ethylbenzene	Xylenes	TCE	cis-1,2-DCE	trans-1,2-DCE	Isopropylbenzene	Vinyl Chloride	Other
		EPA Method 8260/8260B (ug/L)									
MW-10	9/14/2001	273	71	1,461	837	ND < 1	ND < 1	ND < 1	ND < 1	ND < 5	ND < 1
	11/9/2001	245	78	1,398	1,083	ND < 1	ND < 1	ND < 1	ND < 1	ND < 5	ND < 1
	3/6/2002	265.1	74.4	1,512.4	992.0	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	12/10/2002	177.4	46.6	1,121.0	695.4	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	3/18/2003	190.9	78.9	1,756.5	1,142.9	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	6/18/2003	254.1	53.6	1,200.5	673.1	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	9/16/2003	380.9	78.9	1,756.5	1,142.9	ND < 0.5	19.8	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	12/12/2003	210.8	59.8	1,063.9	715.3	ND < 2.5	11.7	ND < 2.5	ND < 2.5	ND < 2.5	ND < 2.5
	3/16/2004	171.4	50.5	915.2	894.2	ND < 5	13.7	ND < 5	ND < 5	ND < 5	ND < 5
	6/11/2004	173.0	69.7	976.1	1,065.0	ND < 10	24.3	ND < 10	ND < 10	ND < 10	ND < 10
	8/20/2004	184.9	35.0	1,083.0	633.0	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	12/31/2004	184.7	45.0	1,470.4	1,393.0	6.5	26.3	ND < 5	ND < 5	ND < 5	ND < 5
	4/15/2005	329.2	52.2	1,073.0	556.1	7.8	13.9	ND < 10	ND < 10	ND < 10	6.7
	6/23/2005	433.4	54.0	922.8	722.0	10.5	23.8	ND < 10	ND < 10	ND < 10	ND < 10
	8/26/2005	554.8	52.3	1,242.6	739.5	ND < 10	18.5	ND < 10	ND < 10	ND < 10	ND < 10
	1/15/2007	397.2	30.5	1,793.4	650.1	ND < 0.5	15.0	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	10/8/2009	212.4	27.5	944.4	289.5	8.0	12.7	ND < 0.5	38.7	16.2	32.0
12/21/2009	200.7	32.1	1,069.9	373.6	7.9	6.7	ND < 0.5	39.7	25.9	58.6	
3/22/2010	200.0	30.0	1,200.0	270.0	6.2	6.4	1.0	40.0	22.0	45.8	
6/15/2010	110.9	32.1	1,312.0	282.3	4.3	1.8	ND < 0.5	38.0	28.1	58.6	
9/20/2010	87.2	27.8	1,180.1	220.2	6.5	3.2	ND < 0.5	34.8	32.1	47.2	

**TABLE 3**  
**SUMMARY OF GROUNDWATER RESULTS**  
**SELECTED VOLATILE ORGANIC COMPOUNDS**

**PIPER TECHNICAL CENTER**  
555 Ramirez Street  
Los Angeles, California

Sample ID	Sampling Date	Benzene	Toluene	Ethylbenzene	Xylenes	TCE	cis-1,2-DCE	trans-1,2-DCE	Isopropylbenzene	Vinyl Chloride	Other
MW-10	12/28/2010	146.1	21.9	1,285.3	183.8	7.6	6.2	ND < 0.5	41.0	26.4	55.3
(cont.)	3/8/2011	107.7	26.6	1,493.0	270.6	7.5	13.6	ND < 2.5	43.9	17.7	56.3
	6/14/2011	55.0	19.3	949.9	159.3	7.0	15.4	ND < 2.5	37.4	17.7	11.0
	9/8/2011	58.0	19.0	1,100.0	164.0	9.1	19.0	ND < 2.5	43.0	ND < 5	68.2
	12/22/2011	54.3	17.8	1,168.6	119.1	7.6	13.9	ND < 2.5	54.1	28.4	41.9
	3/16/2012	43.5	16.4	1,313.0	121.8	10.2	18.2	ND < 2.5	41.9	17.1	50.0
	5/29/2012	29.2	11.3	794.5	90.4	7.0	17.7	ND < 1.0	32.1	9.0	33.0
	9/11/2012	40.0	14.0	719.1	103.5	11.5	14.6	ND < 1.0	36.9	17.7	45.6
	11/29/2012	37.9	13.2	1,152.6	94.1	5.1	13.3	ND < 1.0	36.1	19.3	29.1
	3/12/2013	35.7	14.0	617.8	93.0	7.0	10.5	ND < 1.0	37.2	9.6	35.5
	6/11/2013	2.2	9.5	508.8	66.7	2.2	13.8	ND < 1.0	30.0	13.0	54.2
	9/20/2013	35.0	11.8	670.2	79.7	8.3	7.0	ND < 1.0	42.4	21.4	58.8
	12/17/2013	42.0	16.0	650.0	73.0	ND < 10	ND < 10	ND < 1.0	36.0	ND < 10	40.0
	3/31/2014	38.9	9.5	876.7	64.5	8.1	9.9	ND < 1.0	33.0	7.9	49.7
	6/17/2014	36.7	9.3	591.4	69.5	8.2	12.4	ND < 1.0	32.1	9.0	52.1
	9/26/2014	42.6	8.7	566.7	57.5	9.0	10.0	ND < 1.0	29.3	10.5	50.4
	12/5/2014	53.7	10.4	553.4	69.2	8.6	8.0	ND < 1.0	36.5	8.0	54.0
	3/10/2015	53.1	8.2	727.4	74.1	6.5	5.0	ND < 1.0	30.0	9.6	43.4
	6/24/2015	64.6	10.8	639.2	62.1	7.5	5.8	ND < 1.0	37.3	10.2	73.5
	9/14/2015	67.5	8.8	753.8	62.8	ND < 1	ND < 1	ND < 1.0	29.0	4.8	39.9
	12/27/2015	76.7	8.8	449.3	63.8	5.2	4.2	ND < 1.0	29.7	6.2	46.7
	3/21/2016	72.5	9.0	447.3	65.3	6.2	4.9	ND < 1.0	26.2	8.0	45.8

**TABLE 3**  
**SUMMARY OF GROUNDWATER RESULTS**  
**SELECTED VOLATILE ORGANIC COMPOUNDS**

**PIPER TECHNICAL CENTER**  
555 Ramirez Street  
Los Angeles, California

Sample ID	Sampling Date	Benzene	Toluene	Ethylbenzene	Xylenes	TCE	cis-1,2-DCE	trans-1,2-DCE	Isopropylbenzene	Vinyl Chloride	Other
		EPA Method 8260/8260B (ug/L)									
MW-11	9/14/2001	414	1,383	4,310	5,794	ND < 1	ND < 1	ND < 1	ND < 1	ND < 5	ND < 1
	11/9/2001	369	1,431	3,608	5,083	ND < 1	ND < 1	ND < 1	ND < 1	ND < 5	ND < 1
	3/6/2002	473.0	1,582.5	5,008.7	6,861.0	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	12/10/2002	490.6	903.0	3,793.0	4,883.8	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	3/18/2003	597.5	743.1	4,811.3	5,712.2	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	6/18/2003	526.4	568.8	5,994.6	7,992.3	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	9/16/2003	1,082.6	1,061.6	5,799.5	7,203.8	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	12/12/2003	696.9	644.7	3,550.9	4,255.3	ND < 2.5	ND < 2.5	ND < 2.5	ND < 2.5	ND < 2.5	ND < 2.5
	3/16/2004	404.8	231.7	2,972.2	3,043.1	ND < 5	15.0	ND < 5	ND < 5	ND < 5	ND < 5
	6/11/2004	342.4	687.4	3,105.3	4,858.3	ND < 50	115.6	ND < 50	ND < 50	ND < 50	ND < 50
	8/20/2004	405.8	318.0	2,983.0	3,115.0	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50
	12/31/2004	307.0	187.0	1,333.9	3,666.0	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	4/15/2005	104.6	1,017.4	3,169.9	4,261.1	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5
	6/23/2005	678.9	462.9	3,349.3	3,302.9	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50
	8/26/2005	618.0	847.3	4,034.0	3,773.6	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50
	1/15/2007	81.0	1,628.4	7,716.7	8,985.2	ND < 0.5	ND < 0.5	ND < 0.5	215.5	ND < 0.5	ND < 0.5
	10/8/2009	49.5	38.8	66.8	1,995.3	ND < 0.5	ND < 0.5	ND < 0.5	15.1	ND < 0.5	ND < 5
12/21/2009	79.2	242.0	3,887.6	8,351.8	ND < 0.5	ND < 0.5	ND < 0.5	211.4	ND < 0.5	ND < 5	
3/22/2010	72.0	200.0	3,200.0	4,100.0	ND < 0.5	ND < 0.5	ND < 0.5	120.0	ND < 0.5	ND < 5	
6/15/2010	81.2	242.0	6,769.5	8,351.8	ND < 0.5	ND < 0.5	ND < 0.5	211.4	ND < 0.5	ND < 5	
9/20/2010	66.4	152.6	4,908.2	6,511.7	ND < 0.5	ND < 0.5	ND < 0.5	147.8	ND < 0.5	7.0	

**TABLE 3  
SUMMARY OF GROUNDWATER RESULTS  
SELECTED VOLATILE ORGANIC COMPOUNDS**

**PIPER TECHNICAL CENTER**  
555 Ramirez Street  
Los Angeles, California

Sample ID	Sampling Date	Benzene	Toluene	Ethylbenzene	Xylenes	TCE	cis-1,2-DCE	trans-1,2-DCE	Isopropylbenzene	Vinyl Chloride	Other
		EPA Method 8260/8260B (ug/L)									
MW-11	12/28/2010	86.2	168.3	6,377.7	7,347.0	ND < 0.5	ND < 0.5	ND < 0.5	169.9	ND < 0.5	ND < 5
(cont.)	3/8/2011	81.1	125.7	5,890.4	8,231.6	ND < 10	ND < 10	ND < 10	126.4	ND < 10	ND < 10
	6/14/2011	41.1	32.4	176.9	4,824.0	ND < 10	ND < 10	ND < 10	43.0	ND < 10	ND < 10
	9/8/2011	70.0	90.0	3,400.0	4,400.0	ND < 25	ND < 25	ND < 25	130.0	ND < 25	1,164.0
	12/22/2011	115.2	142.4	6,289.3	6,648.6	ND < 5	ND < 5	ND < 5	214.0	12.1	ND < 10
	3/16/2012	34.5	93.1	5,594.9	5,613.3	ND < 5	ND < 5	ND < 5	127.6	ND < 10	ND < 10
	5/29/2012	41.8	49.2	1,120.5	4,127.0	ND < 5	ND < 5	ND < 5	86.5	ND < 5	ND < 5
	9/11/2012	49.7	121.0	4,132.5	5,073.9	ND < 5	ND < 5	ND < 5	179.5	ND < 5	10.7
	11/29/2012	73.0	123.1	7,653.3	7,424.1	ND < 5	ND < 5	ND < 5	205.7	ND < 5	ND < 10
	3/12/2013	56.3	133.4	5,226.8	7,307.6	ND < 5	ND < 5	ND < 5	202.2	ND < 5	11.6
	6/11/2013	56.1	77.4	4,004.3	4,908.8	ND < 5	ND < 5	ND < 5	188.1	ND < 5	11.7
	9/20/2013	48.7	151.7	7,705.0	9,318.7	ND < 5	ND < 5	ND < 5	344.8	ND < 5	ND < 10
	12/17/2013	58.0	78.0	2,900.0	3,700.0	ND < 5	44.0	ND < 5	120.0	ND < 5	4,256.0
	3/31/2014	55.2	93.5	8,044.4	7,701.0	ND < 5	ND < 5	ND < 5	223.0	ND < 5	ND < 10
	6/17/2014	69.4	84.6	5,656.7	6,162.4	ND < 5	ND < 5	ND < 5	193.6	ND < 5	ND < 10
	9/26/2014	95.3	114.9	6,058.0	6,984.2	ND < 5	ND < 5	ND < 5	246.9	8.8	18.6
	12/5/2014	85.9	120.1	5,506.2	6,561.1	ND < 5	ND < 5	ND < 5	249.1	ND < 5	9.2
	3/10/2015	45.6	75.3	6,122.7	6,588.9	ND < 5	ND < 5	ND < 5	169.0	ND < 5	11.4
	6/24/2015	79.5	140.2	7,142.0	7,368.7	ND < 5	ND < 5	ND < 5	323.4	8.0	ND < 10
	9/14/2015	73.6	130.3	7,605.2	10,022.0	ND < 5	ND < 5	ND < 5	250.4	ND < 5	ND < 10
	12/27/2015	77.8	127.4	3,571.2	5,626.3	ND < 5	ND < 5	ND < 5	234.6	ND < 5	20.6
	3/21/2016	60.2	74.1	2,695.1	3,937.1	ND < 5	ND < 5	ND < 5	140.2	8.9	16.4

**TABLE 3  
SUMMARY OF GROUNDWATER RESULTS  
SELECTED VOLATILE ORGANIC COMPOUNDS**

**PIPER TECHNICAL CENTER**  
555 Ramirez Street  
Los Angeles, California

Sample ID	Sampling Date	Benzene	Toluene	Ethylbenzene	Xylenes	TCE	cis-1,2-DCE	trans-1,2-DCE	Isopropylbenzene	Vinyl Chloride	Other
		EPA Method 8260/8260B (ug/L)									
MW-12	9/14/2001	386	88	531	490	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	11/9/2001	445	97	460	463	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	3/6/2002	425.1	103.2	508.4	421.8	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	12/10/2002	341.9	75.3	548.2	549.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	3/18/2003	368.2	76.5	609.7	567.2	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	6/18/2003	346.4	67.7	596.1	534.0	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	9/16/2003	496.9	92.8	692.3	677.2	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	12/12/2003	363.9	69.4	542.9	469.6	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5
	3/16/2004	200.1	47.2	502.4	509.7	8.7	18.4	ND < 5	ND < 5	ND < 5	6.4
	6/11/2004	110.5	42.6	381.1	212.8	13.1	45.6	ND < 10	ND < 10	ND < 10	ND < 10
	8/20/2004	175.3	24.0	356.0	270.0	ND < 10	16.4	ND < 10	ND < 10	ND < 10	ND < 10
	12/31/2004	221.7	58.0	786.6	496.8	5.4	51.4	ND < 5	ND < 5	ND < 5	6.5
	4/15/2005	216.6	33.2	214.7	151.6	5.4	10.2	ND < 10	ND < 10	ND < 10	ND < 10
	6/23/2005	325.0	43.1	311.0	370.8	ND < 10	20.9	ND < 10	ND < 10	ND < 10	ND < 10
	8/26/2005	484.1	63.2	556.5	502.6	ND < 10	21.8	ND < 10	ND < 10	ND < 10	ND < 10
	1/15/2007	not sampled									
	10/8/2009	209.5	14.1	375.3	186.9	5.9	11.8	ND < 5	38.7	49.9	13.3
	12/21/2009	191.9	14.1	435.6	207.1	6.3	10.2	1.4	40.5	51.8	22.9
	3/22/2010	200.0	14.0	420.0	179.0	6.3	13.0	1.8	43.0	36.0	19.7
	6/15/2010	123.3	14.0	484.8	192.2	5.3	9.5	1.2	38.9	35.2	18.9
9/20/2010	125.6	13.5	503.8	176.3	6.9	11.7	1.7	42.1	56.6	19.3	



**TABLE 3  
SUMMARY OF GROUNDWATER RESULTS  
SELECTED VOLATILE ORGANIC COMPOUNDS**

**PIPER TECHNICAL CENTER**  
555 Ramirez Street  
Los Angeles, California

Sample ID	Sampling Date	Benzene	Toluene	Ethylbenzene	Xylenes	TCE	cis-1,2-DCE	trans-1,2-DCE	Isopropylbenzene	Vinyl Chloride	Other
		EPA Method 8260/8260B (ug/L)									
MW-12	12/28/2010	160.4	13.9	617.4	169.7	7.1	17.1	2.1	44.6	58.8	24.0
(cont.)	3/8/2011	141.3	14.3	630.1	188.7	7.7	13.6	ND < 10	46.0	39.0	23.0
	6/14/2011	91.6	12.0	475.0	131.2	5.5	8.0	ND < 10	40.2	33.8	18.6
	9/8/2011	100.0	14.0	510.0	141.0	6.3	10.0	ND < 10	49.0	ND < 2.5	88.3
	12/22/2011	82.8	10.1	468.6	97.2	3.6	1.1	ND < 10	42.0	37.5	11.3
	3/16/2012	106.4	9.9	653.0	106.7	6.8	19.4	ND < 10	38.6	34.7	19.3
	5/29/2012	68.7	8.8	386.5	87.9	0.6	8.9	ND < 10	33.0	17.9	13.1
	9/11/2012	90.8	11.2	403.7	98.5	7.2	12.6	ND < 10	35.6	31.7	20.2
	11/29/2012	91.6	11.3	551.5	101.5	5.9	2.1	ND < 10	66.5	28.6	8.3
	3/12/2013	85.2	11.9	419.6	119.3	5.4	7.0	ND < 10	44.6	21.0	16.0
	6/11/2013	20.0	9.8	348.9	88.4	18.0	13.0	ND < 10	39.8	28.8	17.2
	9/20/2013	103.9	12.9	472.9	117.6	4.4	12.1	ND < 10	51.8	47.1	26.5
	12/17/2013	110.0	14.0	410.0	97.0	ND < 5	15.0	ND < 5	39.0	22.0	125.0
	3/31/2014	91.2	10.0	501.6	71.9	5.4	10.4	ND < 5	38.0	23.7	18.3
	6/17/2014	85.2	8.2	342.8	61.8	5.1	8.6	ND < 5	33.9	26.7	21.7
	9/26/2014	74.9	7.9	300.6	53.1	5.1	8.2	ND < 5	30.3	37.6	20.8
	12/5/2014	78.4	8.7	335.0	53.6	5.2	8.6	1.7	37.5	33.7	20.2
	3/10/2015	76.0	7.3	424.8	49.2	4.7	6.4	ND < 5	34.9	40.1	16.5
	6/24/2015	81.6	8.8	362.3	41.2	5.5	8.5	1.7	43.4	45.5	24.5
	9/14/2015	70.5	6.7	385.6	37.9	4.0	3.1	ND < 0.5	34.1	25.1	15.6
	12/27/2015	65.8	6.8	250.6	42.6	3.9	6.1	1.1	33.4	26.5	17.0
	3/21/2016	62.6	6.2	222.6	36.0	4.1	5.9	ND < 0.5	30.0	25.4	16.0

**TABLE 3**  
**SUMMARY OF GROUNDWATER RESULTS**  
**SELECTED VOLATILE ORGANIC COMPOUNDS**

**PIPER TECHNICAL CENTER**  
555 Ramirez Street  
Los Angeles, California

Sample ID	Sampling Date	Benzene	Toluene	Ethylbenzene	Xylenes	TCE	cis-1,2-DCE	trans-1,2-DCE	Isopropylbenzene	Vinyl Chloride	Other
		EPA Method 8260/8260B (ug/L)									
MW-13	9/14/2001	431	96	1,572	942	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	11/9/2001	364	55	1,146	803	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	3/6/2002	514.3	147.1	1,910.5	1,383.0	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	12/10/2002	300.7	54.5	1,654.4	909.7	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	3/18/2003	291.1	59.6	1,931.8	911.4	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	6/18/2003	247.2	35.3	1,501.6	648.1	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	9/16/2003	264.6	40.0	1,357.2	540.3	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	12/12/2003	378.2	68.7	1,685.8	835.7	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	3/16/2004	230.2	33.4	1,094.1	712.1	8.7	13.5	ND < 5	ND < 5	ND < 5	5.2
	6/11/2004	251.6	45.8	2,085.5	992.8	8.1	44.6	ND < 10	ND < 10	ND < 10	ND < 10
	8/20/2004	235.2	36.0	1,744.0	674.0	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	12/31/2004	311.0	48.4	1,512.8	571.5	ND < 5	38.0	ND < 5	ND < 5	ND < 5	6.7
	4/15/2005	204.2	27.6	1,228.8	472.8	ND < 10	4.5	ND < 10	ND < 10	ND < 10	ND < 10
	6/23/2005	269.5	47.9	1,236.9	650.4	ND < 10	16.1	ND < 10	ND < 10	ND < 10	ND < 10
	8/26/2005	279.4	42.5	1,089.0	540.8	ND < 10	13.3	ND < 10	ND < 10	ND < 10	ND < 10
	1/15/2007	593.0	63.6	3,544.5	1,639.5	ND < 0.5	12.9	ND < 0.5	66.3	ND < 0.5	ND < 0.5
	10/8/2009	401.7	36.8	1,314.6	591.8	6.4	13.4	ND < 0.5	62.4	ND < 0.5	9.3
12/21/2009	397.4	30.8	1,640.5	670.0	10.0	11.3	ND < 0.5	77.9	12.1	35.1	
3/22/2010	330.0	25.0	1,300.0	290.0	8.0	10.0	0.98	64.0	12.0	198.6	
6/15/2010	255.9	28.0	1,803.8	387.3	2.8	4.4	ND < 0.5	83.4	14.3	27.6	
9/20/2010	190.4	26.0	1,573.3	252.1	10.0	8.5	ND < 0.5	72.2	22.9	32.2	

**TABLE 3  
SUMMARY OF GROUNDWATER RESULTS  
SELECTED VOLATILE ORGANIC COMPOUNDS**

**PIPER TECHNICAL CENTER**  
555 Ramirez Street  
Los Angeles, California

Sample ID	Sampling Date	Benzene	Toluene	Ethylbenzene	Xylenes	TCE	cis-1,2-DCE	trans-1,2-DCE	Isopropylbenzene	Vinyl Chloride	Other
		EPA Method 8260/8260B (ug/L)									
MW-13	12/28/2010	175.2	25.7	1,785.3	264.9	7.1	ND < 0.5	ND < 0.5	71.7	12.9	31.2
(cont.)	3/8/2011	203.4	28.9	2,326.8	446.8	12.0	8.5	ND < 2.5	88.3	15.1	48.1
	6/14/2011	100.0	20.3	1,560.6	258.9	7.9	9.5	ND < 2.5	81.7	14.2	25.2
	9/8/2011	66.0	18.0	1,200.0	192.0	7.1	12.0	ND < 5	68.0	16.0	116.4
	12/22/2011	42.9	19.4	1,480.1	171.8	3.0	3.2	ND < 5	69.7	16.5	11.4
	3/16/2012	43.6	15.2	1,720.8	181.8	8.3	2.6	ND < 5	68.2	11.7	24.3
	5/29/2012	30.4	13.4	1,167.7	151.8	6.2	7.1	ND < 5	64.6	6.7	21.0
	9/11/2012	35.1	17.0	1,071.4	167.0	9.2	6.7	ND < 5	70.3	6.6	30.4
	11/29/2012	38.8	15.5	1,350.3	138.6	ND < 2.5	ND < 2.5	ND < 5	36.1	ND < 2.5	14.6
	3/12/2013	36.9	17.6	1,153.6	192.4	4.4	5.5	ND < 5	76.0	5.8	34.7
	6/11/2013	38.3	11.3	771.7	117.3	5.6	ND < 2.5	ND < 5	69.2	10.3	27.5
	9/20/2013	39.1	17.8	1,061.5	160.7	3.9	6.3	ND < 5	92.1	12.1	43.9
	12/17/2013	41.0	15.0	680.0	89.0	ND < 10	ND < 10	ND < 10	55.0	ND < 10	83.0
	3/31/2014	48.9	13.1	7,088.8	116.6	3.7	8.1	ND < 10	72.1	4.7	32.3
	6/17/2014	55.4	11.1	796.5	122.0	6.9	8.1	ND < 10	65.6	7.0	44.0
	9/26/2014	26.3	7.5	421.2	69.2	5.2	4.6	ND < 10	40.8	6.2	30.4
	12/5/2014	53.5	15.4	700.0	110.2	ND < 10	8.0	ND < 10	70.2	6.4	39.5
	3/10/2015	68.5	10.0	768.6	109.2	ND < 10	7.6	ND < 10	64.9	10.2	41.6
	6/24/2015	87.4	14.0	743.5	98.7	4.9	5.9	ND < 10	94.4	17.4	88.0
	9/14/2015	68.4	9.6	605.1	78.1	ND < 2.5	ND < 2.5	ND < 10	61.1	11.9	25.3
	12/27/2015	61.7	7.5	448.2	71.3	2.5	ND < 2.5	ND < 10	56.4	9.4	35.6
	3/21/2016	55.9	7.3	438.9	65.8	5.9	3.8	ND < 10	53.6	7.6	48.5

**TABLE 3**  
**SUMMARY OF GROUNDWATER RESULTS**  
**SELECTED VOLATILE ORGANIC COMPOUNDS**

**PIPER TECHNICAL CENTER**  
 555 Ramirez Street  
 Los Angeles, California

Sample ID	Sampling Date	Benzene	Toluene	Ethyl-benzene	Xylenes	TCE	cis-1,2-DCE	trans-1,2-DCE	Isopropyl-benzene	Vinyl Chloride	Other
<b>EPA Method 8260/8260B (ug/L)</b>											

Volatile organic compound concentrations reported in micrograms per liter (ug/L)  
 ND - Not detected above the specified detection limit  
 NS - Not sampled

**TABLE 4**  
**SUMMARY OF GROUNDWATER RESULTS**  
**FUEL OXYGENATES**

**PIPER TECHNICAL CENTER**

555 Ramirez Street  
Los Angeles, California

Sample ID	Sampling Date	ETBE	TAME	DIPE	TBA	MTBE
		EPA Method 8260B (ug/L)				
MW-1	10/26/2000	ND < 2	ND < 2	ND < 2	ND < 10	3
	3/30/2001	ND < 2	ND < 2	ND < 2	ND < 10	3
	9/14/2001	ND < 2	ND < 2	ND < 2	ND < 10	4
	11/13/2001	ND < 2	ND < 2	ND < 2	ND < 10	4
	3/6/2002	ND < 2	ND < 2	ND < 2	ND < 10	3
	12/10/2002	ND < 2	ND < 2	ND < 2	ND < 10	4
	3/18/2003	ND < 2	ND < 2	ND < 2	ND < 10	6
	6/18/2003	ND < 2	ND < 2	ND < 2	ND < 10	4
	9/16/2003	ND < 2	ND < 2	ND < 2	ND < 10	6
	12/12/2003	ND < 2	ND < 2	ND < 2	ND < 20	8
	3/16/2004	ND < 2	ND < 2	ND < 2	ND < 20	6
	6/11/2004	ND < 2	ND < 2	ND < 2	ND < 20	10
	8/20/2004	ND < 2	ND < 2	ND < 2	ND < 20	16
	12/31/2004	ND < 2	ND < 2	ND < 2	ND < 20	15
	4/15/2005	ND < 2	ND < 2	ND < 2	ND < 20	15
	6/23/2005	ND < 2	ND < 2	ND < 2	ND < 20	10
	8/26/2005	ND < 2	ND < 2	ND < 2	ND < 20	13
	1/15/2007	ND < 1	ND < 1	ND < 1	ND < 10	8.4
	10/8/2009	ND < 1	ND < 1	ND < 1	ND < 10	6.4
	12/21/2009	ND < 1	ND < 1	ND < 1	ND < 10	2.9
	3/22/2010	ND < 2	ND < 10	ND < 2	ND < 50	7.3
	6/15/2010	ND < 1	ND < 1	ND < 1	ND < 10	5.8
	9/20/2010	ND < 1	ND < 1	ND < 1	ND < 10	3.9
	12/28/2010	ND < 1	ND < 1	ND < 1	ND < 10	5.6
	3/8/2011	ND < 1	ND < 1	ND < 1	ND < 10	7.1
	6/14/2011	ND < 1	ND < 1	ND < 1	ND < 10	3.7
	9/8/2011	ND < 2	ND < 2	ND < 2	ND < 10	4.9
	12/22/2011	ND < 1	ND < 1	ND < 1	ND < 10	2.1
	3/16/2012	ND < 1	ND < 1	ND < 1	ND < 10	1.6
	5/29/2012	ND < 1	ND < 1	ND < 1	ND < 10	1.0
	9/11/2012	ND < 1	ND < 1	ND < 1	ND < 10	4.5
	11/29/2012	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
	3/12/2013	ND < 1	ND < 1	ND < 1	ND < 10	3.9

**TABLE 4**  
**SUMMARY OF GROUNDWATER RESULTS**  
**FUEL OXYGENATES**

**PIPER TECHNICAL CENTER**  
555 Ramirez Street  
Los Angeles, California

Sample ID	Sampling Date	ETBE	TAME	DIPE	TBA	MTBE
		EPA Method 8260B (ug/L)				
MW-1	6/11/2013	ND < 1	ND < 1	ND < 1	ND < 10	4.2
(cont.)	9/20/2013	ND < 1	ND < 1	ND < 1	ND < 10	5.0
	12/17/2013	ND < 2	ND < 2	ND < 2	ND < 10	4.1
	3/31/2014	ND < 1	ND < 1	ND < 1	ND < 10	4.5
	6/17/2014	ND < 1	ND < 1	ND < 1	ND < 10	4.9
	9/26/2014	ND < 1	ND < 1	ND < 1	ND < 10	5.5
	12/5/2014	ND < 1	ND < 1	ND < 1	ND < 10	6.2
	3/10/2015	ND < 1	ND < 1	ND < 1	ND < 10	7.0
	6/24/2015	ND < 1	ND < 1	ND < 1	ND < 10	6.3
	9/14/2015	ND < 1	ND < 1	ND < 1	ND < 10	6.2
	12/27/2015	ND < 1	ND < 1	ND < 1	ND < 10	7.4
	3/21/2016	ND < 1	ND < 1	ND < 1	ND < 10	8.1

**TABLE 4**  
**SUMMARY OF GROUNDWATER RESULTS**  
**FUEL OXYGENATES**

**PIPER TECHNICAL CENTER**

555 Ramirez Street  
Los Angeles, California

Sample ID	Sampling Date	ETBE	TAME	DIPE	TBA	MTBE
		EPA Method 8260B (ug/L)				
MW-2	10/26/2000	ND < 2	ND < 2	ND < 2	ND < 10	3
	3/30/2001	ND < 2	ND < 2	ND < 2	ND < 10	2
	9/14/2001	ND < 2	ND < 2	ND < 2	ND < 10	4
	11/13/2001	ND < 2	ND < 2	ND < 2	ND < 10	5
	3/6/2002	ND < 2	ND < 2	ND < 2	ND < 10	7
	12/10/2002	ND < 2	ND < 2	ND < 2	ND < 10	6
	3/18/2003	ND < 2	ND < 2	ND < 2	ND < 10	9
	6/18/2003	ND < 2	ND < 2	ND < 2	ND < 10	8
	9/16/2003	ND < 2	ND < 2	ND < 2	ND < 10	11
	12/12/2003	ND < 2	ND < 2	ND < 2	ND < 20	11
	3/16/2004	ND < 2	ND < 2	ND < 2	ND < 20	10
	6/11/2004	ND < 2	ND < 2	ND < 2	ND < 20	4
	8/20/2004	ND < 2	ND < 2	ND < 2	ND < 20	30
	12/31/2004	ND < 2	ND < 2	ND < 2	ND < 20	21
	4/15/2005	ND < 2	ND < 2	ND < 2	ND < 20	11
	6/23/2005	ND < 2	ND < 2	ND < 2	ND < 20	5
	8/26/2005	ND < 2	ND < 2	ND < 2	ND < 20	8
	1/15/2007	ND < 1	ND < 1	ND < 1	ND < 10	18.3
	10/8/2009	ND < 1	ND < 1	ND < 1	ND < 10	29.6
	12/21/2009	ND < 1	ND < 1	ND < 1	ND < 10	24.4
	3/22/2010	ND < 2	ND < 10	ND < 2	ND < 50	17.0
	6/15/2010	ND < 1	ND < 1	ND < 1	ND < 10	12.2
	9/20/2010	ND < 1	ND < 1	ND < 1	ND < 10	13.0
	12/28/2010	ND < 1	ND < 1	ND < 1	ND < 10	23.4
	3/8/2011	ND < 1	ND < 1	ND < 1	ND < 10	18.1
	6/14/2011	ND < 1	ND < 1	ND < 1	ND < 10	10.5
	9/8/2011	ND < 2	ND < 2	ND < 2	ND < 10	19.0
	12/22/2011	ND < 1	ND < 1	ND < 1	ND < 10	1.8
	3/16/2012	ND < 1	ND < 1	ND < 1	ND < 10	2.0
	5/29/2012	not accessible - paved over				
	9/11/2012	not accessible - paved over				
11/29/2012	not accessible - paved over					
3/12/2013	ND < 1	ND < 1	ND < 1	ND < 10	23.4	

**TABLE 4**  
**SUMMARY OF GROUNDWATER RESULTS**  
**FUEL OXYGENATES**

**PIPER TECHNICAL CENTER**  
555 Ramirez Street  
Los Angeles, California

Sample ID	Sampling Date	ETBE	TAME	DIPE	TBA	MTBE
		EPA Method 8260B (ug/L)				
MW-2	6/11/2013	ND < 1	ND < 1	ND < 1	ND < 10	24.9
<i>(cont.)</i>	9/20/2013	ND < 1	ND < 1	ND < 1	ND < 10	26.5
	12/17/2013	ND < 2	ND < 2	ND < 2	ND < 10	29.0
	3/31/2014	ND < 1	ND < 1	ND < 1	ND < 10	20.6
	6/17/2014	ND < 1	ND < 1	ND < 1	ND < 10	20.3
	9/26/2014	ND < 1	ND < 1	ND < 1	ND < 10	22.4
	12/5/2014	ND < 1	ND < 1	ND < 1	ND < 10	21.8
	3/10/2015	ND < 1	ND < 1	ND < 1	ND < 10	22.9
	6/24/2015	ND < 1	ND < 1	ND < 1	ND < 10	19.4
	9/14/2015	ND < 1	ND < 1	ND < 1	ND < 10	16.9
	12/27/2015	ND < 1	ND < 1	ND < 1	ND < 10	18.0
	3/21/2016	ND < 1	ND < 1	ND < 1	ND < 10	17.7



**TABLE 4**  
**SUMMARY OF GROUNDWATER RESULTS**  
**FUEL OXYGENATES**

**PIPER TECHNICAL CENTER**

555 Ramirez Street  
Los Angeles, California

Sample ID	Sampling Date	ETBE	TAME	DIPE	TBA	MTBE
		EPA Method 8260B (ug/L)				
MW-3	10/26/2000	ND < 2	ND < 2	ND < 2	ND < 10	3
	3/30/2001	ND < 2	ND < 2	ND < 2	ND < 10	2
	9/14/2001	ND < 2	ND < 2	ND < 2	ND < 10	2
	11/13/2001	ND < 2	ND < 2	ND < 2	ND < 10	3
	3/6/2002	ND < 2	ND < 2	ND < 2	ND < 10	4
	12/10/2002	ND < 2	ND < 2	ND < 2	ND < 10	3
	3/18/2003	ND < 2	ND < 2	ND < 2	ND < 10	4
	6/18/2003	ND < 2	ND < 2	ND < 2	ND < 10	4
	9/16/2003	ND < 2	ND < 2	ND < 2	ND < 10	4
	12/12/2003	ND < 2	ND < 2	ND < 2	ND < 20	4
	3/16/2004	ND < 2	ND < 2	ND < 2	ND < 20	2
	6/11/2004	ND < 2	ND < 2	ND < 2	ND < 20	3
	8/20/2004	ND < 2	ND < 2	ND < 2	ND < 20	14
	12/31/2004	ND < 2	ND < 2	ND < 2	ND < 20	5
	4/15/2005	ND < 2	ND < 2	ND < 2	ND < 20	2
	6/23/2005	ND < 2	ND < 2	ND < 2	ND < 20	5
	8/26/2005	ND < 2	ND < 2	ND < 2	ND < 20	8
	1/15/2007	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
	10/8/2009	ND < 1	ND < 1	ND < 1	ND < 10	2.9
	12/21/2009	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
	3/22/2010	ND < 2	ND < 10	ND < 2	ND < 50	ND < 2
	6/15/2010	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
	9/20/2010	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
	12/28/2010	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
	3/8/2011	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
	6/14/2011	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
	9/8/2011	ND < 20	ND < 20	ND < 20	ND < 100	ND < 20
12/22/2011	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1	
3/16/2012	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1	
5/29/2012	not accessible - paved over					
9/11/2012	not accessible - paved over					
11/29/2012	not accessible - paved over					
3/12/2013	not accessible - debris in well					

**TABLE 4**  
**SUMMARY OF GROUNDWATER RESULTS**  
**FUEL OXYGENATES**

**PIPER TECHNICAL CENTER**  
555 Ramirez Street  
Los Angeles, California

Sample ID	Sampling Date	ETBE	TAME	DIPE	TBA	MTBE
		EPA Method 8260B (ug/L)				
MW-3	6/11/2013	not accessible - debris in well				
(cont.)	9/20/2013	ND < 1	ND < 1	ND < 1	ND < 10	1.9
	12/17/2013	ND < 20	ND < 20	ND < 20	ND < 100	ND < 20
	3/31/2014	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
	6/17/2014	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
	9/26/2014	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
	12/5/2014	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
	3/10/2015	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
	6/24/2015	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
	9/14/2015	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
	12/27/2015	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
	3/21/2016	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1

**TABLE 4**  
**SUMMARY OF GROUNDWATER RESULTS**  
**FUEL OXYGENATES**

**PIPER TECHNICAL CENTER**

555 Ramirez Street  
Los Angeles, California

Sample ID	Sampling Date	ETBE	TAME	DIPE	TBA	MTBE
		EPA Method 8260B (ug/L)				
MW-4	10/26/2000	ND < 2	ND < 2	ND < 2	ND < 10	3
	3/30/2001	ND < 2	ND < 2	ND < 2	ND < 10	3
	9/14/2001	ND < 2	ND < 2	ND < 2	ND < 10	2
	11/13/2001	ND < 2	ND < 2	ND < 2	ND < 10	ND < 2
	3/6/2002	ND < 2	ND < 2	ND < 2	ND < 10	3
	12/10/2002	ND < 2	ND < 2	ND < 2	ND < 10	3
	3/18/2003	ND < 2	ND < 2	ND < 2	ND < 10	7
	6/18/2003	ND < 2	ND < 2	ND < 2	ND < 10	3
	9/16/2003	ND < 2	ND < 2	ND < 2	ND < 10	3
	12/12/2003	ND < 2	ND < 2	ND < 2	ND < 10	3
	3/16/2004	ND < 2	ND < 2	ND < 2	ND < 20	3
	6/11/2004	ND < 2	ND < 2	ND < 2	ND < 20	10
	8/20/2004	ND < 2	ND < 2	ND < 2	ND < 20	3
	12/31/2004	ND < 1	ND < 1	ND < 1	ND < 10	ND < 2
	4/15/2005	ND < 1	ND < 1	ND < 1	ND < 10	5
	6/23/2005	ND < 1	ND < 1	ND < 1	ND < 10	4
	8/26/2005	ND < 1	ND < 1	ND < 1	ND < 10	3
	1/15/2007	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
	10/8/2009	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
	12/21/2009	ND < 1	ND < 1	ND < 1	ND < 10	2.4
	3/22/2010	ND < 2	ND < 10	ND < 2	ND < 50	2.1
	6/15/2010	ND < 1	ND < 1	ND < 1	ND < 10	2.0
	9/20/2010	ND < 1	ND < 1	ND < 1	ND < 10	1.6
	12/28/2010	ND < 1	ND < 1	ND < 1	ND < 10	1.4
	3/8/2011	ND < 1	ND < 1	ND < 1	ND < 10	2.5
	6/14/2011	ND < 1	ND < 1	ND < 1	ND < 10	1.7
	9/8/2011	ND < 2	ND < 2	ND < 2	ND < 10	2.3
	12/22/2011	ND < 1	ND < 1	ND < 1	ND < 10	1.3
	3/16/2012	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
	5/29/2012	not accessible - paved over				
9/11/2012	not accessible - paved over					
11/29/2012	not accessible - paved over					
3/12/2013	ND < 1	ND < 1	ND < 1	ND < 10	2.0	

**TABLE 4**  
**SUMMARY OF GROUNDWATER RESULTS**  
**FUEL OXYGENATES**

**PIPER TECHNICAL CENTER**  
555 Ramirez Street  
Los Angeles, California

Sample ID	Sampling Date	ETBE	TAME	DIPE	TBA	MTBE
		EPA Method 8260B (ug/L)				
MW-4	6/11/2013	ND < 1	ND < 1	ND < 1	ND < 10	1.7
(cont.)	9/20/2013	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
	12/17/2013	ND < 4	ND < 4	ND < 4	ND < 100	ND < 4
	3/31/2014	ND < 1	ND < 1	ND < 1	ND < 10	1.7
	6/17/2014	ND < 1	ND < 1	ND < 1	ND < 10	2.3
	9/26/2014	ND < 1	ND < 1	ND < 1	ND < 10	2.3
	12/5/2014	ND < 1	ND < 1	ND < 1	ND < 10	1.8
	3/10/2015	ND < 1	ND < 1	ND < 1	ND < 10	2.5
	6/24/2015	ND < 1	ND < 1	ND < 1	ND < 10	2.4
	9/14/2015	ND < 1	ND < 1	ND < 1	ND < 10	2.7
	12/27/2015	ND < 1	ND < 1	ND < 1	ND < 10	2.9
	3/21/2016	ND < 1	ND < 1	ND < 1	ND < 10	3.2

**TABLE 4**  
**SUMMARY OF GROUNDWATER RESULTS**  
**FUEL OXYGENATES**

**PIPER TECHNICAL CENTER**  
555 Ramirez Street  
Los Angeles, California

Sample ID	Sampling Date	ETBE	TAME	DIPE	TBA	MTBE
		EPA Method 8260B (ug/L)				
MW-5	10/26/2000	ND < 2	ND < 2	ND < 2	ND < 10	21
	3/30/2001	ND < 2	ND < 2	ND < 2	ND < 10	15
	9/14/2001	ND < 2	ND < 2	ND < 2	ND < 10	66
	11/9/2001	ND < 2	ND < 2	ND < 2	ND < 10	34
	3/6/2002	ND < 2	ND < 2	ND < 2	ND < 10	71
	12/10/2002	ND < 2	ND < 2	ND < 2	ND < 10	ND < 2
	3/18/2003	ND < 2	ND < 2	ND < 2	ND < 10	14
	6/18/2003	ND < 2	ND < 2	ND < 2	ND < 10	ND < 2
	9/16/2003	ND < 2	ND < 2	ND < 2	ND < 10	ND < 2
	12/12/2003	ND < 20	ND < 20	ND < 20	ND < 100	ND < 20
	3/16/2004	ND < 20	ND < 20	ND < 20	ND < 100	ND < 20
	6/11/2004	ND < 100	ND < 100	ND < 100	ND < 500	ND < 100
	8/20/2004	ND < 100	ND < 100	ND < 100	ND < 500	ND < 100
	12/31/2004	ND < 10	ND < 10	ND < 10	ND < 50	29
	4/15/2005	ND < 100	ND < 100	ND < 100	ND < 500	ND < 100
	6/23/2005	ND < 200	ND < 200	ND < 200	ND < 1000	ND < 200
	8/26/2005	ND < 200	ND < 200	ND < 200	ND < 1000	ND < 200
	1/15/2007	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
	10/8/2009	ND < 10	ND < 10	ND < 10	ND < 100	ND < 10
	12/21/2009	ND < 10	ND < 10	ND < 10	ND < 100	ND < 10
	3/22/2010	ND < 10	ND < 10	ND < 10	ND < 50	ND < 10
	6/15/2010	ND < 10	ND < 10	ND < 10	ND < 100	ND < 10
	9/20/2010	ND < 20	ND < 20	ND < 20	ND < 200	ND < 20
	12/28/2010	ND < 20	ND < 20	ND < 20	ND < 200	ND < 20
	3/8/2011	ND < 20	ND < 20	ND < 20	ND < 200	ND < 20
	6/14/2011	ND < 20	ND < 20	ND < 20	ND < 200	ND < 20
9/8/2011	ND < 200	ND < 200	ND < 200	ND < 1000	ND < 200	
12/22/2011	ND < 20	ND < 20	ND < 20	ND < 200	ND < 20	
3/16/2012	ND < 10	ND < 10	ND < 10	ND < 100	ND < 10	
5/29/2012	ND < 20	ND < 20	ND < 20	ND < 200	ND < 20	
9/11/2012	ND < 20	ND < 20	ND < 20	ND < 200	ND < 20	
11/29/2012	ND < 20	ND < 20	ND < 20	ND < 200	ND < 20	
3/12/2013	ND < 20	ND < 20	ND < 20	ND < 200	ND < 20	

**TABLE 4**  
**SUMMARY OF GROUNDWATER RESULTS**  
**FUEL OXYGENATES**

**PIPER TECHNICAL CENTER**  
555 Ramirez Street  
Los Angeles, California

Sample ID	Sampling Date	ETBE	TAME	DIPE	TBA	MTBE
		EPA Method 8260B (ug/L)				
MW-5	6/11/2013	ND < 5	ND < 5	ND < 5	ND < 50	ND < 5
(cont.)	9/20/2013	ND < 5	ND < 5	ND < 5	ND < 50	ND < 5
	12/17/2013	ND < 10	ND < 10	ND < 10	ND < 50	ND < 10
	3/31/2014	ND < 5	ND < 5	ND < 5	ND < 50	ND < 5
	6/17/2014	ND < 20	ND < 20	ND < 20	ND < 200	ND < 20
	9/26/2014	ND < 10	ND < 10	ND < 10	ND < 100	ND < 10
	12/5/2014	ND < 5	ND < 5	ND < 5	ND < 50	ND < 5
	3/10/2015	ND < 5	ND < 5	ND < 5	ND < 50	ND < 5
	6/24/2015	ND < 5	ND < 5	ND < 5	ND < 50	ND < 5
	9/14/2015	ND < 5	ND < 5	ND < 5	ND < 50	ND < 5
	12/27/2015	ND < 5	ND < 5	ND < 5	ND < 50	ND < 5
	3/21/2016	ND < 5	ND < 5	ND < 5	ND < 50	ND < 5

**TABLE 4**  
**SUMMARY OF GROUNDWATER RESULTS**  
**FUEL OXYGENATES**

**PIPER TECHNICAL CENTER**

555 Ramirez Street  
Los Angeles, California

Sample ID	Sampling Date	ETBE	TAME	DIPE	TBA	MTBE
		EPA Method 8260B (ug/L)				
MW-6	10/26/2000	ND < 2	ND < 2	ND < 2	ND < 10	15
	3/30/2001	ND < 2	ND < 2	ND < 2	ND < 10	7
	9/14/2001	ND < 2	ND < 2	ND < 2	ND < 10	61
	11/9/2001	ND < 2	ND < 2	ND < 2	ND < 10	64
	3/6/2002	ND < 2	ND < 2	ND < 2	ND < 10	49
	12/10/2002	ND < 2	ND < 2	ND < 2	ND < 10	12
	3/18/2003	ND < 2	ND < 2	ND < 2	ND < 10	42
	6/18/2003	ND < 2	ND < 2	ND < 2	ND < 10	36
	9/16/2003	ND < 2	ND < 2	ND < 2	ND < 10	46
	12/12/2003	ND < 10	ND < 10	ND < 10	ND < 50	61
	3/16/2004	ND < 40	ND < 40	ND < 40	ND < 200	42
	6/11/2004	ND < 40	ND < 40	ND < 40	ND < 200	72
	8/20/2004	ND < 40	ND < 40	ND < 40	ND < 200	51
	12/31/2004	ND < 20	ND < 20	ND < 20	ND < 100	21
	4/15/2005	ND < 40	ND < 40	ND < 40	ND < 200	71
	6/23/2005	ND < 40	ND < 40	ND < 40	ND < 200	ND < 40
	8/26/2005	ND < 40	ND < 40	ND < 40	ND < 200	ND < 40
	1/15/2007	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
	10/8/2009	ND < 5	ND < 5	ND < 5	ND < 50	78.9
	12/21/2009	ND < 5	ND < 5	ND < 5	ND < 50	59.1
	3/22/2010	ND < 10	ND < 10	ND < 10	ND < 50	76.0
	6/15/2010	ND < 5	ND < 5	ND < 5	ND < 50	37.1
	9/20/2010	ND < 5	ND < 5	ND < 5	ND < 50	33.9
	12/28/2010	ND < 5	ND < 5	ND < 5	ND < 50	ND < 5
	3/8/2011	ND < 5	ND < 5	ND < 5	ND < 50	18.7
	6/14/2011	ND < 5	ND < 5	ND < 5	ND < 50	25.1
9/8/2011	ND < 100	ND < 100	ND < 100	ND < 500	ND < 100	
12/22/2011	ND < 10	ND < 10	ND < 10	ND < 50	ND < 10	
3/16/2012	ND < 10	ND < 10	ND < 10	ND < 100	23.2	
5/29/2012	ND < 5	ND < 5	ND < 5	ND < 50	14.8	
9/11/2012	ND < 5	ND < 5	ND < 5	ND < 50	26.3	
11/29/2012	ND < 5	ND < 5	ND < 5	ND < 50	ND < 5	
3/12/2013	ND < 5	ND < 5	ND < 5	ND < 50	13.1	

**TABLE 4**  
**SUMMARY OF GROUNDWATER RESULTS**  
**FUEL OXYGENATES**

**PIPER TECHNICAL CENTER**  
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Sample ID	Sampling Date	ETBE	TAME	DIPE	TBA	MTBE
		EPA Method 8260B (ug/L)				
MW-6	6/11/2013	ND < 5	ND < 5	ND < 5	ND < 50	11.6
(cont.)	9/20/2013	ND < 5	ND < 5	ND < 5	ND < 50	9.5
	12/17/2013	ND < 100	ND < 100	ND < 100	ND < 500	ND < 100
	3/31/2014	ND < 5	ND < 5	ND < 5	ND < 50	ND < 5
	6/17/2014	ND < 5	ND < 5	ND < 5	ND < 50	8.4
	9/26/2014	ND < 5	ND < 5	ND < 5	ND < 50	8.1
	12/5/2014	ND < 1	ND < 1	ND < 1	ND < 10	3.3
	3/10/2015	ND < 1	ND < 1	ND < 1	ND < 10	2.3
	6/24/2015	ND < 1	ND < 1	ND < 1	ND < 10	2.2
	9/14/2015	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
	12/27/2015	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
	3/21/2016	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1



**TABLE 4**  
**SUMMARY OF GROUNDWATER RESULTS**  
**FUEL OXYGENATES**

**PIPER TECHNICAL CENTER**

555 Ramirez Street  
Los Angeles, California

Sample ID	Sampling Date	ETBE	TAME	DIPE	TBA	MTBE
		EPA Method 8260B (ug/L)				
MW-7	10/26/2000	ND < 2	ND < 2	ND < 2	ND < 10	ND < 2
	3/30/2001	ND < 2	ND < 2	ND < 2	ND < 10	ND < 2
	9/14/2001	ND < 2	ND < 2	ND < 2	ND < 10	ND < 2
	11/13/2001	ND < 2	ND < 2	ND < 2	ND < 10	ND < 2
	3/6/2002	ND < 2	ND < 2	ND < 2	ND < 10	ND < 2
	12/10/2002	ND < 2	ND < 2	ND < 2	ND < 10	ND < 2
	3/18/2003	ND < 2	ND < 2	ND < 2	ND < 10	ND < 2
	6/18/2003	ND < 2	ND < 2	ND < 2	ND < 10	ND < 2
	9/16/2003	ND < 2	ND < 2	ND < 2	ND < 10	ND < 2
	12/12/2003	ND < 10	ND < 10	ND < 10	ND < 50	ND < 10
	3/16/2004	ND < 10	ND < 10	ND < 10	ND < 50	ND < 10
	6/11/2004	ND < 20	ND < 20	ND < 20	ND < 100	ND < 20
	8/20/2004	ND < 20	ND < 20	ND < 20	ND < 100	ND < 20
	12/31/2004	ND < 2	ND < 2	ND < 2	ND < 10	6
	4/15/2005	ND < 20	ND < 20	ND < 20	ND < 100	ND < 20
	6/23/2005	ND < 20	ND < 20	ND < 20	ND < 100	ND < 20
	8/26/2005	ND < 20	ND < 20	ND < 20	ND < 100	ND < 20
	1/15/2007	ND < 1	ND < 1	ND < 1	ND < 10	1.4
	10/8/2009	ND < 2	ND < 2	ND < 2	ND < 20	ND < 2
	12/21/2009	ND < 2	ND < 2	ND < 2	ND < 20	ND < 2
	3/22/2010	ND < 10	ND < 10	ND < 10	ND < 50	ND < 10
	6/15/2010	ND < 2	ND < 2	ND < 2	ND < 20	ND < 2
	9/20/2010	ND < 2	ND < 2	ND < 2	ND < 20	ND < 2
	12/28/2010	ND < 2	ND < 2	ND < 2	ND < 20	ND < 2
	3/8/2011	ND < 2	ND < 2	ND < 2	ND < 20	ND < 2
	6/14/2011	ND < 2	ND < 2	ND < 2	ND < 20	ND < 2
	9/8/2011	ND < 10	ND < 10	ND < 10	ND < 50	ND < 10
	12/22/2011	ND < 2	ND < 2	ND < 2	ND < 20	ND < 2
	3/16/2012	ND < 5	ND < 5	ND < 5	ND < 50	ND < 5
	5/29/2012	ND < 2	ND < 2	ND < 2	ND < 20	ND < 2
	9/11/2012	ND < 2	ND < 2	ND < 2	ND < 20	ND < 2
	11/29/2012	ND < 2	ND < 2	ND < 2	ND < 20	ND < 2
	3/12/2013	ND < 2	ND < 2	ND < 2	ND < 20	ND < 2

**TABLE 4**  
**SUMMARY OF GROUNDWATER RESULTS**  
**FUEL OXYGENATES**

**PIPER TECHNICAL CENTER**  
555 Ramirez Street  
Los Angeles, California

Sample ID	Sampling Date	ETBE	TAME	DIPE	TBA	MTBE
		EPA Method 8260B (ug/L)				
MW-7	6/11/2013	ND < 2	ND < 2	ND < 2	ND < 20	ND < 2
<i>(cont.)</i>	9/20/2013	ND < 2	ND < 2	ND < 2	ND < 20	ND < 2
	12/17/2013	ND < 10	ND < 10	ND < 10	ND < 50	ND < 10
	3/31/2014	ND < 2	ND < 2	ND < 2	ND < 20	ND < 2
	6/17/2014	ND < 2	ND < 2	ND < 2	ND < 20	ND < 2
	9/26/2014	ND < 2	ND < 2	ND < 2	ND < 20	ND < 2
	12/5/2014	ND < 2	ND < 2	ND < 2	ND < 20	ND < 2
	3/10/2015	ND < 2	ND < 2	ND < 2	ND < 20	ND < 2
	6/24/2015	ND < 2	ND < 2	ND < 2	ND < 20	ND < 2
	9/14/2015	ND < 2	ND < 2	ND < 2	ND < 20	ND < 2
	12/27/2015	ND < 2	ND < 2	ND < 2	ND < 20	ND < 2
	3/21/2016	ND < 2	ND < 2	ND < 2	ND < 20	ND < 2

**TABLE 4**  
**SUMMARY OF GROUNDWATER RESULTS**  
**FUEL OXYGENATES**

**PIPER TECHNICAL CENTER**

555 Ramirez Street  
Los Angeles, California

Sample ID	Sampling Date	ETBE	TAME	DIPE	TBA	MTBE
		EPA Method 8260B (ug/L)				
MW-8	9/14/2001	ND < 2	ND < 2	ND < 2	ND < 10	ND < 2
	11/13/2001	ND < 2	ND < 2	ND < 2	ND < 10	ND < 2
	3/6/2002	ND < 2	ND < 2	ND < 2	ND < 10	ND < 2
	12/10/2002	ND < 2	ND < 2	ND < 2	ND < 10	ND < 2
	3/18/2003	ND < 2	ND < 2	ND < 2	ND < 10	ND < 2
	6/18/2003	ND < 2	ND < 2	ND < 2	ND < 10	ND < 2
	9/16/2003	ND < 2	ND < 2	ND < 2	ND < 10	ND < 2
	12/12/2003	ND < 2	ND < 2	ND < 2	ND < 10	ND < 2
	3/16/2004	ND < 2	ND < 2	ND < 2	ND < 10	ND < 2
	6/11/2004	ND < 2	ND < 2	ND < 2	ND < 10	ND < 2
	8/20/2004	ND < 2	ND < 2	ND < 2	ND < 10	ND < 2
	12/31/2004	ND < 2	ND < 2	ND < 2	ND < 10	ND < 2
	4/15/2005	ND < 2	ND < 2	ND < 2	ND < 10	ND < 2
	6/23/2005	ND < 2	ND < 2	ND < 2	ND < 10	ND < 2
	8/26/2005	ND < 2	ND < 2	ND < 2	ND < 10	ND < 2
	1/15/2007	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
	10/8/2009	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
	12/21/2009	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
	3/22/2010	ND < 2	ND < 2	ND < 2	ND < 10	ND < 2
	6/15/2010	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
	9/20/2010	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
	12/28/2010	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
	3/8/2011	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
	6/14/2011	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
	9/8/2011	ND < 2	ND < 2	ND < 2	ND < 10	ND < 2
	12/22/2011	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
	3/16/2012	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
	5/29/2012	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
	9/11/2012	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
	11/29/2012	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
	3/12/2013	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1

**TABLE 4**  
**SUMMARY OF GROUNDWATER RESULTS**  
**FUEL OXYGENATES**

**PIPER TECHNICAL CENTER**  
555 Ramirez Street  
Los Angeles, California

Sample ID	Sampling Date	ETBE	TAME	DIPE	TBA	MTBE
		EPA Method 8260B (ug/L)				
MW-8	6/11/2013	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
<i>(cont.)</i>	9/20/2013	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
	12/17/2013	ND < 2	ND < 2	ND < 2	ND < 10	ND < 2
	3/31/2014	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
	6/17/2014	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
	9/26/2014	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
	12/5/2014	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
	3/10/2015	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
	6/24/2015	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
	9/14/2015	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
	12/27/2015	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
	3/21/2016	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1

**TABLE 4**  
**SUMMARY OF GROUNDWATER RESULTS**  
**FUEL OXYGENATES**

**PIPER TECHNICAL CENTER**

555 Ramirez Street  
Los Angeles, California

Sample ID	Sampling Date	ETBE	TAME	DIPE	TBA	MTBE
		EPA Method 8260B (ug/L)				
MW-9	11/9/2001	ND < 2	ND < 2	ND < 2	ND < 10	ND < 2
	3/6/2002	ND < 2	ND < 2	ND < 2	ND < 10	ND < 2
	12/10/2002	ND < 2	ND < 2	ND < 2	ND < 10	ND < 2
	3/18/2003	ND < 2	ND < 2	ND < 2	ND < 10	ND < 2
	6/18/2003	ND < 2	ND < 2	ND < 2	ND < 10	ND < 2
	9/16/2003	ND < 2	ND < 2	ND < 2	ND < 10	3
	12/12/2003	ND < 2	ND < 2	ND < 2	ND < 10	ND < 2
	3/16/2004	ND < 2	ND < 2	ND < 2	ND < 10	ND < 2
	6/11/2004	ND < 2	ND < 2	ND < 2	ND < 10	ND < 2
	8/20/2004	ND < 2	ND < 2	ND < 2	ND < 10	ND < 2
	12/31/2004	ND < 2	ND < 2	ND < 2	ND < 10	ND < 2
	4/15/2005	ND < 2	ND < 2	ND < 2	ND < 10	ND < 2
	6/23/2005	ND < 2	ND < 2	ND < 2	ND < 10	ND < 2
	8/26/2005	ND < 2	ND < 2	ND < 2	ND < 10	ND < 2
	1/15/2007	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
	10/8/2009	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
	12/21/2009	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
	3/22/2010	ND < 2	ND < 2	ND < 2	ND < 10	ND < 2
	6/15/2010	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
	9/20/2010	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
	12/28/2010	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
	3/8/2011	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
	6/14/2011	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
	9/8/2011	ND < 2	ND < 2	ND < 2	ND < 10	ND < 2
	12/22/2011	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
	3/16/2012	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
5/29/2012	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1	
9/11/2012	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1	
11/29/2012	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1	
3/12/2013	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1	

**TABLE 4**  
**SUMMARY OF GROUNDWATER RESULTS**  
**FUEL OXYGENATES**

**PIPER TECHNICAL CENTER**  
555 Ramirez Street  
Los Angeles, California

Sample ID	Sampling Date	ETBE	TAME	DIPE	TBA	MTBE
		EPA Method 8260B (ug/L)				
MW-9	6/11/2013	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
<i>(cont.)</i>	9/20/2013	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
	12/17/2013	ND < 2	ND < 2	ND < 2	ND < 10	ND < 2
	3/31/2014	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
	6/17/2014	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
	9/26/2014	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
	12/5/2014	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
	3/10/2015	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
	6/24/2015	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
	9/14/2015	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
	12/27/2015	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
	3/21/2016	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1

**TABLE 4**  
**SUMMARY OF GROUNDWATER RESULTS**  
**FUEL OXYGENATES**

**PIPER TECHNICAL CENTER**

555 Ramirez Street  
Los Angeles, California

Sample ID	Sampling Date	ETBE	TAME	DIPE	TBA	MTBE
		EPA Method 8260B (ug/L)				
MW-10	11/9/2001	ND < 2	ND < 2	ND < 2	ND < 10	ND < 2
	3/6/2002	ND < 2	ND < 2	ND < 2	ND < 10	ND < 2
	12/10/2002	ND < 2	ND < 2	ND < 2	ND < 10	ND < 2
	3/18/2003	ND < 2	ND < 2	ND < 2	ND < 10	ND < 2
	6/18/2003	ND < 2	ND < 2	ND < 2	ND < 10	ND < 2
	9/16/2003	ND < 2	ND < 2	ND < 2	ND < 10	35
	12/12/2003	ND < 10	ND < 10	ND < 10	ND < 50	ND < 10
	3/16/2004	ND < 20	ND < 20	ND < 20	ND < 100	ND < 20
	6/11/2004	ND < 40	ND < 40	ND < 40	ND < 200	ND < 40
	8/20/2004	ND < 40	ND < 40	ND < 40	ND < 200	ND < 40
	12/31/2004	ND < 20	ND < 20	ND < 20	ND < 100	ND < 20
	4/15/2005	ND < 40	ND < 40	ND < 40	ND < 200	ND < 40
	6/23/2005	ND < 40	ND < 40	ND < 40	ND < 200	ND < 40
	8/26/2005	ND < 40	ND < 40	ND < 40	ND < 200	ND < 40
	1/15/2007	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
	10/8/2009	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
	12/21/2009	ND < 2	ND < 2	ND < 2	ND < 20	ND < 2
	3/22/2010	ND < 2	ND < 2	ND < 2	ND < 10	2.9
	6/15/2010	ND < 2	ND < 2	ND < 2	ND < 20	ND < 2
	9/20/2010	ND < 2	ND < 2	ND < 2	ND < 20	ND < 2
	12/28/2010	ND < 2	ND < 2	ND < 2	ND < 20	ND < 2
	3/8/2011	ND < 5	ND < 5	ND < 5	ND < 50	ND < 5
	6/14/2011	ND < 5	ND < 5	ND < 5	ND < 50	ND < 5
	9/8/2011	ND < 20	ND < 20	ND < 20	ND < 100	ND < 20
	12/22/2011	ND < 5	ND < 5	ND < 5	ND < 50	ND < 5
	3/16/2012	ND < 5	ND < 5	ND < 5	ND < 50	ND < 5
5/29/2012	ND < 2	ND < 2	ND < 2	ND < 20	ND < 2	
9/11/2012	ND < 2	ND < 2	ND < 2	ND < 20	ND < 2	
11/29/2012	ND < 2	ND < 2	ND < 2	ND < 20	ND < 2	
3/12/2013	ND < 2	ND < 2	ND < 2	ND < 20	ND < 2	

**TABLE 4**  
**SUMMARY OF GROUNDWATER RESULTS**  
**FUEL OXYGENATES**

**PIPER TECHNICAL CENTER**  
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Sample ID	Sampling Date	ETBE	TAME	DIPE	TBA	MTBE
		EPA Method 8260B (ug/L)				
MW-10	6/11/2013	ND < 2	ND < 2	ND < 2	ND < 20	ND < 2
<i>(cont.)</i>	9/20/2013	ND < 2	ND < 2	ND < 2	ND < 20	ND < 2
	12/17/2013	ND < 40	ND < 40	ND < 40	ND < 200	ND < 40
	3/31/2014	ND < 2	ND < 2	ND < 2	ND < 20	ND < 2
	6/17/2014	ND < 2	ND < 2	ND < 2	ND < 20	ND < 2
	9/26/2014	ND < 2	ND < 2	ND < 2	ND < 20	ND < 2
	12/5/2014	ND < 2	ND < 2	ND < 2	ND < 20	ND < 2
	3/10/2015	ND < 2	ND < 2	ND < 2	ND < 20	ND < 2
	6/24/2015	ND < 2	ND < 2	ND < 2	ND < 20	ND < 2
	9/14/2015	ND < 2	ND < 2	ND < 2	ND < 20	ND < 2
	12/27/2015	ND < 2	ND < 2	ND < 2	ND < 20	ND < 2
	3/21/2016	ND < 2	ND < 2	ND < 2	ND < 20	ND < 2



**TABLE 4**  
**SUMMARY OF GROUNDWATER RESULTS**  
**FUEL OXYGENATES**

**PIPER TECHNICAL CENTER**  
555 Ramirez Street  
Los Angeles, California

Sample ID	Sampling Date	ETBE	TAME	DIPE	TBA	MTBE
		EPA Method 8260B (ug/L)				
MW-11	11/9/2001	ND < 2	ND < 2	ND < 2	ND < 10	ND < 2
	3/6/2002	ND < 2	ND < 2	ND < 2	ND < 10	ND < 2
	12/10/2002	ND < 2	ND < 2	ND < 2	ND < 10	ND < 2
	3/18/2003	ND < 2	ND < 2	ND < 2	ND < 10	ND < 2
	6/18/2003	ND < 2	ND < 2	ND < 2	ND < 10	ND < 2
	9/16/2003	ND < 2	ND < 2	ND < 2	ND < 10	ND < 2
	12/12/2003	ND < 10	ND < 10	ND < 10	ND < 50	ND < 10
	3/16/2004	ND < 40	ND < 40	ND < 40	ND < 200	ND < 40
	6/11/2004	ND < 200	ND < 200	ND < 200	ND < 1000	ND < 200
	8/20/2004	ND < 200	ND < 200	ND < 200	ND < 1000	ND < 200
	12/31/2004	ND < 40	ND < 40	ND < 40	ND < 200	ND < 40
	4/15/2005	ND < 200	ND < 200	ND < 200	ND < 1000	ND < 200
	6/23/2005	ND < 200	ND < 200	ND < 200	ND < 1000	ND < 200
	8/26/2005	ND < 200	ND < 200	ND < 200	ND < 1000	ND < 200
	1/15/2007	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
	10/8/2009	ND < 10	ND < 10	ND < 10	ND < 100	ND < 10
	12/21/2009	ND < 10	ND < 10	ND < 10	ND < 100	ND < 10
	3/22/2010	ND < 100	ND < 100	ND < 100	ND < 500	ND < 100
	6/15/2010	ND < 10	ND < 10	ND < 10	ND < 100	ND < 10
	9/20/2010	ND < 10	ND < 10	ND < 10	ND < 100	ND < 10
	12/28/2010	ND < 10	ND < 10	ND < 10	ND < 100	ND < 10
	3/8/2011	ND < 20	ND < 20	ND < 20	ND < 200	ND < 20
	6/14/2011	ND < 20	ND < 20	ND < 20	ND < 200	ND < 20
	9/8/2011	ND < 100	ND < 100	ND < 100	ND < 500	ND < 100
	12/22/2011	ND < 10	ND < 10	ND < 10	ND < 100	ND < 10
	3/16/2012	ND < 20	ND < 20	ND < 20	ND < 200	ND < 20
	5/29/2012	ND < 10	ND < 10	ND < 10	ND < 100	ND < 10
	9/11/2012	ND < 20	ND < 20	ND < 20	ND < 200	ND < 20
	11/29/2012	ND < 20	ND < 20	ND < 20	ND < 200	ND < 20
	3/12/2013	ND < 20	ND < 20	ND < 20	ND < 200	ND < 20

**TABLE 4**  
**SUMMARY OF GROUNDWATER RESULTS**  
**FUEL OXYGENATES**

**PIPER TECHNICAL CENTER**  
555 Ramirez Street  
Los Angeles, California

Sample ID	Sampling Date	ETBE	TAME	DIPE	TBA	MTBE
		EPA Method 8260B (ug/L)				
MW-11	6/11/2013	ND < 20	ND < 20	ND < 20	ND < 200	ND < 20
<i>(cont.)</i>	9/20/2013	ND < 20	ND < 20	ND < 20	ND < 200	ND < 20
	12/17/2013	ND < 25	ND < 25	ND < 25	ND < 500	ND < 25
	3/31/2014	ND < 20	ND < 20	ND < 20	ND < 200	ND < 20
	6/17/2014	ND < 10	ND < 10	ND < 10	ND < 100	ND < 10
	9/26/2014	ND < 10	ND < 10	ND < 10	ND < 100	ND < 10
	12/5/2014	ND < 10	ND < 10	ND < 10	ND < 100	ND < 10
	3/10/2015	ND < 10	ND < 10	ND < 10	ND < 100	ND < 10
	6/24/2015	ND < 10	ND < 10	ND < 10	ND < 100	ND < 10
	9/14/2015	ND < 10	ND < 10	ND < 10	ND < 100	ND < 10
	12/27/2015	ND < 10	ND < 10	ND < 10	ND < 100	ND < 10
	3/21/2016	ND < 10	ND < 10	ND < 10	ND < 100	ND < 10

**TABLE 4**  
**SUMMARY OF GROUNDWATER RESULTS**  
**FUEL OXYGENATES**

**PIPER TECHNICAL CENTER**

555 Ramirez Street  
Los Angeles, California

Sample ID	Sampling Date	ETBE	TAME	DIPE	TBA	MTBE
		EPA Method 8260B (ug/L)				
MW-12	11/9/2001	ND < 2	ND < 2	ND < 2	ND < 10	ND < 2
	3/6/2002	ND < 2	ND < 2	ND < 2	ND < 10	ND < 2
	12/10/2002	ND < 2	ND < 2	ND < 2	ND < 10	ND < 2
	3/18/2003	ND < 2	ND < 2	ND < 2	ND < 10	ND < 2
	6/18/2003	ND < 2	ND < 2	ND < 2	ND < 10	ND < 2
	9/16/2003	ND < 2	ND < 2	ND < 2	ND < 10	ND < 2
	12/12/2003	ND < 20	ND < 20	ND < 20	ND < 100	ND < 20
	3/16/2004	ND < 20	ND < 20	ND < 20	ND < 100	ND < 20
	6/11/2004	ND < 40	ND < 40	ND < 40	ND < 200	ND < 40
	8/20/2004	ND < 40	ND < 40	ND < 40	ND < 200	ND < 40
	12/31/2004	ND < 20	ND < 20	ND < 20	ND < 100	ND < 20
	4/15/2005	ND < 40	ND < 40	ND < 40	ND < 200	ND < 40
	6/23/2005	ND < 40	ND < 40	ND < 40	ND < 200	ND < 40
	8/26/2005	ND < 40	ND < 40	ND < 40	ND < 200	ND < 40
	1/15/2007	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
	10/8/2009	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
	12/21/2009	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
	3/22/2010	ND < 2	ND < 2	ND < 2	ND < 10	ND < 2
	6/15/2010	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
	9/20/2010	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
	12/28/2010	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
	3/8/2011	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
	6/14/2011	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
	9/8/2011	ND < 10	ND < 10	ND < 10	ND < 50	ND < 10
	12/22/2011	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
	3/16/2012	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
5/29/2012	ND < 1	ND < 1	ND < 1	ND < 10	1.2	
9/11/2012	ND < 2	ND < 2	ND < 2	ND < 20	ND < 2	
11/29/2012	ND < 2	ND < 2	ND < 2	ND < 20	ND < 2	
3/12/2013	ND < 2	ND < 2	ND < 2	ND < 20	1.2	

**TABLE 4**  
**SUMMARY OF GROUNDWATER RESULTS**  
**FUEL OXYGENATES**

**PIPER TECHNICAL CENTER**  
555 Ramirez Street  
Los Angeles, California

Sample ID	Sampling Date	ETBE	TAME	DIPE	TBA	MTBE
		EPA Method 8260B (ug/L)				
MW-12	6/11/2013	ND < 2	ND < 2	ND < 2	ND < 20	ND < 2
<i>(cont.)</i>	9/20/2013	ND < 2	ND < 2	ND < 2	ND < 20	ND < 2
	12/17/2013	ND < 20	ND < 20	ND < 20	ND < 100	ND < 20
	3/31/2014	ND < 2	ND < 2	ND < 2	ND < 20	ND < 2
	6/17/2014	ND < 1	ND < 1	ND < 1	ND < 10	1.0
	9/26/2014	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
	12/5/2014	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
	3/10/2015	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
	6/24/2015	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
	9/14/2015	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
	12/27/2015	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
	3/21/2016	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1

**TABLE 4**  
**SUMMARY OF GROUNDWATER RESULTS**  
**FUEL OXYGENATES**

**PIPER TECHNICAL CENTER**

555 Ramirez Street  
Los Angeles, California

Sample ID	Sampling Date	ETBE	TAME	DIPE	TBA	MTBE
		EPA Method 8260B (ug/L)				
MW-13	11/9/2001	ND < 2	ND < 2	ND < 2	ND < 10	ND < 2
	3/6/2002	ND < 2	ND < 2	ND < 2	ND < 10	ND < 2
	12/10/2002	ND < 2	ND < 2	ND < 2	ND < 10	ND < 2
	3/18/2003	ND < 2	ND < 2	ND < 2	ND < 10	12
	6/18/2003	ND < 2	ND < 2	ND < 2	ND < 10	ND < 2
	9/16/2003	ND < 2	ND < 2	ND < 2	ND < 10	ND < 2
	12/12/2003	ND < 40	ND < 40	ND < 40	ND < 200	ND < 40
	3/16/2004	ND < 20	ND < 20	ND < 20	ND < 100	ND < 20
	6/11/2004	ND < 40	ND < 40	ND < 40	ND < 200	ND < 40
	8/20/2004	ND < 40	ND < 40	ND < 40	ND < 200	ND < 40
	12/31/2004	ND < 20	ND < 20	ND < 20	ND < 100	ND < 20
	4/15/2005	ND < 40	ND < 40	ND < 40	ND < 200	ND < 40
	6/23/2005	ND < 40	ND < 40	ND < 40	ND < 200	ND < 40
	8/26/2005	ND < 40	ND < 40	ND < 40	ND < 200	ND < 40
	1/15/2007	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
	10/8/2009	ND < 5	ND < 5	ND < 5	ND < 50	ND < 5
	12/21/2009	ND < 5	ND < 5	ND < 5	ND < 50	ND < 5
	3/22/2010	ND < 2	ND < 2	ND < 2	ND < 10	ND < 2
	6/15/2010	ND < 5	ND < 5	ND < 5	ND < 50	ND < 5
	9/20/2010	ND < 5	ND < 5	ND < 5	ND < 50	ND < 5
	12/28/2010	ND < 5	ND < 5	ND < 5	ND < 50	ND < 5
	3/8/2011	ND < 5	ND < 5	ND < 5	ND < 50	ND < 5
	6/14/2011	ND < 5	ND < 5	ND < 5	ND < 50	ND < 5
	9/8/2011	ND < 20	ND < 20	ND < 20	ND < 100	ND < 20
	12/22/2011	ND < 5	ND < 5	ND < 5	ND < 50	ND < 5
	3/16/2012	ND < 5	ND < 5	ND < 5	ND < 50	ND < 5
5/29/2012	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1	
9/11/2012	ND < 5	ND < 5	ND < 5	ND < 50	ND < 5	
11/29/2012	ND < 5	ND < 5	ND < 5	ND < 50	ND < 5	
3/12/2013	ND < 5	ND < 5	ND < 5	ND < 50	ND < 5	

**TABLE 4**  
**SUMMARY OF GROUNDWATER RESULTS**  
**FUEL OXYGENATES**

**PIPER TECHNICAL CENTER**

555 Ramirez Street  
Los Angeles, California

Sample ID	Sampling Date	ETBE	TAME	DIPE	TBA	MTBE
		EPA Method 8260B (ug/L)				
MW-13	6/11/2013	ND < 5	ND < 5	ND < 5	ND < 50	ND < 5
<i>(cont.)</i>	9/20/2013	ND < 5	ND < 5	ND < 5	ND < 50	ND < 5
	12/17/2013	ND < 40	ND < 40	ND < 40	ND < 200	ND < 40
	3/31/2014	ND < 5	ND < 5	ND < 5	ND < 50	ND < 5
	6/17/2014	ND < 5	ND < 5	ND < 5	ND < 50	ND < 5
	9/26/2014	ND < 5	ND < 5	ND < 5	ND < 50	ND < 5
	12/5/2014	ND < 5	ND < 5	ND < 5	ND < 50	ND < 5
	3/10/2015	ND < 5	ND < 5	ND < 5	ND < 50	ND < 5
	6/24/2015	ND < 5	ND < 5	ND < 5	ND < 50	ND < 5
	9/14/2015	ND < 5	ND < 5	ND < 5	ND < 50	ND < 5
	12/27/2015	ND < 5	ND < 5	ND < 5	ND < 50	ND < 5
	3/21/2016	ND < 5	ND < 5	ND < 5	ND < 50	ND < 5

ETBE - Ethyl Tertiary Butyl Ether  
TAME - Tertiary Amyl Methyl Ether  
DIPE - Diisopropyl Ether  
TBA - Tertiary Butyl Ether  
MTBE - Methyl Tertiary Butyl Ether

All values reported in micrograms per liter  
ND - Not detected above the specified detection limit  
NA - Not analyzed for the specified compound  
NS - Not sampled (well not in place or inaccessible)

**TABLE 5**  
**SUMMARY OF GROUNDWATER RESULTS**  
**SELECTED SEMIVOLATILE ORGANIC COMPOUNDS**

**PIPER TECHNICAL CENTER**  
555 Ramirez Street  
Los Angeles, California

Sample ID	Sampling Date	Naphthalene	1,2-Methyl naphthalene	Ace-naphthylene	Acenaphthene	Fluorene	Phenanthrene	Anthracene	Fluoranthene	Pyrene	Other
		EPA Method 8270/8270C (ug/L)									
MW-1	10/26/2000	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	3/30/2001	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	9/14/2001	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	11/13/2001	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	3/6/2002	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	12/10/2002	1,536	980	ND < 10	124	72	ND < 10	62	ND < 10	ND < 10	ND < 10
	3/18/2003	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	6/18/2003	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	9/16/2003	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	12/12/2003	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	3/16/2004	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	6/11/2004	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	8/20/2004	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	12/31/2004	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	4/15/2005	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	6/23/2005	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	8/26/2005	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	1/15/2007	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	10/8/2009	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	12/21/2009	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
3/22/2010	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	
6/15/2010	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	
9/20/2010	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	
12/28/2010	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	
3/8/2011	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	

**TABLE 5**  
**SUMMARY OF GROUNDWATER RESULTS**  
**SELECTED SEMIVOLATILE ORGANIC COMPOUNDS**

**PIPER TECHNICAL CENTER**  
555 Ramirez Street  
Los Angeles, California

Sample ID	Sampling Date	Naphthalene	1,2-Methyl naphthalene	Ace-naphthylene	Acenaphthene	Fluorene	Phenanthrene	Anthracene	Fluoranthene	Pyrene	Other
		EPA Method 8270/8270C (ug/L)									
MW-1	6/14/2011	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
(cont.)	9/8/2011	ND < 5	ND < 10	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5
	12/22/2011	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	3/16/2012	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	5/29/2012	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	9/11/2012	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	11/29/2012	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	3/12/2013	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	6/11/2013	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	9/20/2013	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	12/17/2013	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5
	3/31/2014	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	6/17/2014	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	9/26/2014	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	12/5/2014	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	3/10/2015	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	6/24/2015	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	9/14/2015	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	12/27/2015	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	3/21/2016	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10



**TABLE 5**  
**SUMMARY OF GROUNDWATER RESULTS**  
**SELECTED SEMIVOLATILE ORGANIC COMPOUNDS**

**PIPER TECHNICAL CENTER**  
555 Ramirez Street  
Los Angeles, California

Sample ID	Sampling Date	Naphthalene	1,2-Methyl naphthalene	Ace-naphthylene	Acenaphthene	Fluorene	Phenanthrene	Anthracene	Fluoranthene	Pyrene	Other
		EPA Method 8270/8270C (ug/L)									
MW-2	10/26/2000	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	3/30/2001	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	9/14/2001	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	11/13/2001	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	3/6/2002	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	12/10/2002	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	3/18/2003	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	6/18/2003	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	9/16/2003	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	12/12/2003	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	3/16/2004	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	6/11/2004	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	8/20/2004	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	12/31/2004	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	4/15/2005	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	6/23/2005	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	8/26/2005	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	1/15/2007	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	10/8/2009	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	12/21/2009	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	3/22/2010	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5
	6/15/2010	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	9/20/2010	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	12/28/2010	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	3/8/2011	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10

**TABLE 5**  
**SUMMARY OF GROUNDWATER RESULTS**  
**SELECTED SEMIVOLATILE ORGANIC COMPOUNDS**

**PIPER TECHNICAL CENTER**  
555 Ramirez Street  
Los Angeles, California

Sample ID	Sampling Date	Naphthalene	1,2-Methyl naphthalene	Ace-naphthylene	Acenaphthene	Fluorene	Phenanthrene	Anthracene	Fluoranthene	Pyrene	Other
		EPA Method 8270/8270C (ug/L)									
MW-2	6/14/2011	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
(cont.)	9/8/2011	ND < 5	ND < 10	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5
	3/16/2012	ND < 5	ND < 10	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5
	5/29/2012	not accessible - paved over									
	9/11/2012	not accessible - paved over									
	11/29/2012	not accessible - paved over									
	3/12/2013	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	6/11/2013	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	9/20/2013	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	12/17/2013	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5
	3/31/2014	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	6/17/2014	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	9/26/2014	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	12/5/2014	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	3/10/2015	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	6/24/2015	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	9/14/2015	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	12/27/2015	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	3/21/2016	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10

**TABLE 5**  
**SUMMARY OF GROUNDWATER RESULTS**  
**SELECTED SEMIVOLATILE ORGANIC COMPOUNDS**

**PIPER TECHNICAL CENTER**  
555 Ramirez Street  
Los Angeles, California

Sample ID	Sampling Date	Naphthalene	1,2-Methyl naphthalene	Ace-naphthylene	Acenaphthene	Fluorene	Phenanthrene	Anthracene	Fluoranthene	Pyrene	Other
		EPA Method 8270/8270C (ug/L)									
MW-3	10/26/2000	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	3/30/2001	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	9/14/2001	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	11/13/2001	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	3/6/2002	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	12/10/2002	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	3/18/2003	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	6/18/2003	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	9/16/2003	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	12/12/2003	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	3/16/2004	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	6/11/2004	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	8/20/2004	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	12/31/2004	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	4/15/2005	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	6/23/2005	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	8/26/2005	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	1/15/2007	50	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	10/8/2009	31	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	12/21/2009	47	15	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	3/22/2010	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	160
	6/15/2010	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	9/20/2010	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	12/28/2010	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	3/8/2011	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10

**TABLE 5**  
**SUMMARY OF GROUNDWATER RESULTS**  
**SELECTED SEMIVOLATILE ORGANIC COMPOUNDS**

**PIPER TECHNICAL CENTER**  
555 Ramirez Street  
Los Angeles, California

Sample ID	Sampling Date	Naphthalene	1,2-Methyl naphthalene	Ace-naphthylene	Acenaphthene	Fluorene	Phenanthrene	Anthracene	Fluoranthene	Pyrene	Other
		EPA Method 8270/8270C (ug/L)									
MW-3	6/14/2011	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
(cont.)	9/8/2011	ND < 5	ND < 10	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5
	12/22/2011	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	3/16/2012	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	5/29/2012	not accessible - paved over									
	9/11/2012	not accessible - paved over									
	11/29/2012	not accessible - paved over									
	3/12/2013	not accessible - debris in well									
	6/11/2013	not accessible - debris in well									
	9/20/2013	1,016	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	12/17/2013	860	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5
	3/31/2014	1,140	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	6/17/2014	915	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	9/26/2014	1,332	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	12/5/2014	1,218	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	3/10/2015	1,450	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	6/24/2015	1,628	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	9/14/2015	1,184	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	12/27/2015	586	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	3/21/2016	411	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10

**TABLE 5**  
**SUMMARY OF GROUNDWATER RESULTS**  
**SELECTED SEMIVOLATILE ORGANIC COMPOUNDS**

**PIPER TECHNICAL CENTER**  
555 Ramirez Street  
Los Angeles, California

Sample ID	Sampling Date	Naphthalene	1,2-Methyl naphthalene	Ace-naphthylene	Acenaphthene	Fluorene	Phenanthrene	Anthracene	Fluoranthene	Pyrene	Other
		EPA Method 8270/8270C (ug/L)									
MW-4	10/26/2000	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	3/30/2001	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	9/14/2001	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	11/13/2001	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	3/6/2002	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	12/10/2002	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	3/18/2003	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	6/18/2003	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	9/16/2003	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	12/12/2003	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	3/16/2004	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	6/11/2004	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	8/20/2004	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	12/31/2004	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	4/15/2005	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	6/23/2005	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	8/26/2005	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	1/15/2007	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	10/8/2009	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	12/21/2009	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	3/22/2010	ND < 6.8	ND < 6.8	ND < 6.8	ND < 6.8	ND < 6.8	ND < 6.8	ND < 6.8	ND < 6.8	ND < 6.8	ND < 6.8
	6/15/2010	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	9/20/2010	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	12/28/2010	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	3/8/2011	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10

**TABLE 5**  
**SUMMARY OF GROUNDWATER RESULTS**  
**SELECTED SEMIVOLATILE ORGANIC COMPOUNDS**

**PIPER TECHNICAL CENTER**  
555 Ramirez Street  
Los Angeles, California

Sample ID	Sampling Date	Naphthalene	1,2-Methyl naphthalene	Ace-naphthylene	Acenaphthene	Fluorene	Phenanthrene	Anthracene	Fluoranthene	Pyrene	Other
		EPA Method 8270/8270C (ug/L)									
MW-4	6/14/2011	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
(cont.)	9/8/2011	ND < 5	ND < 10	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5
	12/22/2011	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	3/16/2012	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	5/29/2012	not accessible - paved over									
	9/11/2012	not accessible - paved over									
	11/29/2012	not accessible - paved over									
	3/12/2013	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	6/11/2013	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	9/20/2013	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	12/17/2013	33	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5
	3/31/2014	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	6/17/2014	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	9/26/2014	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	12/5/2014	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	3/10/2015	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	6/24/2015	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	9/14/2015	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	12/27/2015	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	3/21/2016	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10

**TABLE 5  
SUMMARY OF GROUNDWATER RESULTS  
SELECTED SEMIVOLATILE ORGANIC COMPOUNDS**

**PIPER TECHNICAL CENTER**  
555 Ramirez Street  
Los Angeles, California

Sample ID	Sampling Date	Naphthalene	1,2-Methyl naphthalene	Ace-naphthylene	Acenaphthene	Fluorene	Phenanthrene	Anthracene	Fluoranthene	Pyrene	Other
		EPA Method 8270/8270C (ug/L)									
MW-5	10/26/2000	2,138	315	ND < 10	56	28	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	3/30/2001	2,026	205	ND < 10	43	26	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	9/14/2001	3,361	1,075	ND < 10	80	42	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	11/9/2001	1,926	366	ND < 10	40	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	3/6/2002	2,673	861	88	56	46	34	ND < 10	ND < 10	ND < 10	ND < 10
	12/10/2002	2,142	199	184	38	111	ND < 10	80	ND < 10	ND < 10	ND < 10
	3/18/2003	2,271	972	143	128	67	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	6/18/2003	1,956	744	ND < 10	89	ND < 10	44	ND < 10	ND < 10	ND < 10	ND < 10
	9/16/2003	121	21	65	60	487	56	ND < 10	ND < 10	20	ND < 10
	12/12/2003	1,809	756	ND < 10	ND < 10	40	51	ND < 10	ND < 10	ND < 10	ND < 10
	3/16/2004	136	71	26	24	23	27	ND < 10	ND < 10	ND < 10	ND < 10
	6/11/2004	1,704	302	ND < 10	70	ND < 10	18	ND < 10	ND < 10	ND < 10	ND < 10
	8/20/2004	788	608	77	92	62	91	ND < 10	ND < 10	ND < 10	ND < 10
	12/31/2004	936	620	33	36	20	39	ND < 10	ND < 10	ND < 10	ND < 10
	4/15/2005	1,411	232	ND < 10	52	ND < 10	23	ND < 10	ND < 10	ND < 10	ND < 10
	6/23/2005	2,113	945	52	91	32	49	ND < 10	ND < 10	ND < 10	ND < 10
	8/26/2005	1,740	1,206	77	109	60	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	1/15/2007	162	360	95	91	67	90	23	ND < 10	ND < 10	ND < 10
	10/8/2009	129	280	81	78	47	63	15	ND < 10	ND < 10	ND < 10
	12/21/2009	330	490	206	119	76	88	24	ND < 10	ND < 10	ND < 10
	3/22/2010	3,400	320	58	47	41	44	11	ND < 5	7	ND < 5
	6/15/2010	59	67	41	33	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	9/20/2010	49	54	32	30	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	12/28/2010	88	134	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	3/8/2011	97	150	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10

**TABLE 5**  
**SUMMARY OF GROUNDWATER RESULTS**  
**SELECTED SEMIVOLATILE ORGANIC COMPOUNDS**

**PIPER TECHNICAL CENTER**  
555 Ramirez Street  
Los Angeles, California

Sample ID	Sampling Date	Naphthalene	1,2-Methyl naphthalene	Ace-naphthylene	Acenaphthene	Fluorene	Phenanthrene	Anthracene	Fluoranthene	Pyrene	Other
		EPA Method 8270/8270C (ug/L)									
MW-5	6/14/2011	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
(cont.)	9/8/2011	2,400	240	16	21	18	23	ND < 7.8	ND < 7.8	ND < 7.8	ND < 7.8
	12/22/2011	61	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	3/16/2012	121	129	18	21	18	16	ND < 10	ND < 10	ND < 10	ND < 10
	5/29/2012	112	225	12	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	9/11/2012	462	518	65	76	59	52	ND < 10	ND < 10	ND < 10	ND < 10
	11/29/2012	336	84	12	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	3/12/2013	118	114	15	19	11	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	6/11/2013	147	514	75	91	72	65	ND < 10	ND < 10	ND < 10	17
	9/20/2013	ND < 10	1,190	143	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	12/17/2013	90	320	34	50	36	30	9	ND < 5	ND < 5	ND < 5
	3/31/2014	ND < 10	984	112	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	6/17/2014	ND < 10	826	93	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	9/26/2014	ND < 10	795	127	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	12/5/2014	ND < 10	885	104	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	3/10/2015	ND < 10	663	92	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	6/24/2015	ND < 10	904	136	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	9/14/2015	726	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	12/27/2015	ND < 10	314	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	3/21/2016	33	ND < 10	ND < 10	80	66	35	19	ND < 10	11	ND < 10



**TABLE 5**  
**SUMMARY OF GROUNDWATER RESULTS**  
**SELECTED SEMIVOLATILE ORGANIC COMPOUNDS**

**PIPER TECHNICAL CENTER**  
555 Ramirez Street  
Los Angeles, California

Sample ID	Sampling Date	Naphthalene	1,2-Methyl naphthalene	Ace-naphthylene	Acenaphthene	Fluorene	Phenanthrene	Anthracene	Fluoranthene	Pyrene	Other
		EPA Method 8270/8270C (ug/L)									
MW-6	10/26/2000	215	91	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	3/30/2001	674	45	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	9/14/2001	1,162	335	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	11/9/2001	600	123	ND < 10	15	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	3/6/2002	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	12/10/2002	102	75	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	3/18/2003	823	264	34	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	6/18/2003	115	64	ND < 10	20	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	9/16/2003	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	12/12/2003	548	175	ND < 10	17	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	3/16/2004	87	42	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	6/11/2004	290	56	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	8/20/2004	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	12/31/2004	107	59	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	4/15/2005	472	90	ND < 10	18	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	6/23/2005	484	201	16	21	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	8/26/2005	606	450	63	75	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	1/15/2007	364	172	21	20	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	10/8/2009	105	127	14	12	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	12/21/2009	162	187	31	26	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	3/22/2010	1,200	20	28	29	21	14	6	ND < 5	ND < 5	ND < 5
	6/15/2010	28	32	17	12	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	9/20/2010	12	17	13	14	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	12/28/2010	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	3/8/2011	63	89	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10

**TABLE 5**  
**SUMMARY OF GROUNDWATER RESULTS**  
**SELECTED SEMIVOLATILE ORGANIC COMPOUNDS**

**PIPER TECHNICAL CENTER**  
555 Ramirez Street  
Los Angeles, California

Sample ID	Sampling Date	Naphthalene	1,2-Methyl naphthalene	Ace-naphthylene	Acenaphthene	Fluorene	Phenanthrene	Anthracene	Fluoranthene	Pyrene	Other
		EPA Method 8270/8270C (ug/L)									
MW-6	6/14/2011	95	161	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
(cont.)	9/8/2011	39	ND < 5	6.2	9.6	6.3	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5
	12/22/2011	33	59	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	3/16/2012	103	40	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	5/29/2012	83	141	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	9/11/2012	91	35	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	11/29/2012	17	16	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	3/12/2013	13	29	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	6/11/2013	79	141	ND < 10	23	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	9/20/2013	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	12/17/2013	58	49	ND < 5	16	5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5
	3/31/2014	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	6/17/2014	66	27	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	9/26/2014	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	12/5/2014	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	3/10/2015	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	6/24/2015	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	9/14/2015	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	12/27/2015	ND < 10	323	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	3/21/2016	11	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10

**TABLE 5**  
**SUMMARY OF GROUNDWATER RESULTS**  
**SELECTED SEMIVOLATILE ORGANIC COMPOUNDS**

**PIPER TECHNICAL CENTER**  
555 Ramirez Street  
Los Angeles, California

Sample ID	Sampling Date	Naphthalene	1,2-Methyl naphthalene	Ace-naphthylene	Acenaphthene	Fluorene	Phenanthrene	Anthracene	Fluoranthene	Pyrene	Other
		EPA Method 8270/8270C (ug/L)									
MW-7	10/26/2000	23	194	ND < 10	23	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	3/30/2001	14	173	ND < 10	21	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	9/14/2001	39	369	ND < 10	60	54	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	11/13/2001	22	240	ND < 10	25	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	3/6/2002	27	365	62	38	49	26	16	ND < 10	11	ND < 10
	12/10/2002	22	530	116	112	107	ND < 10	54	ND < 10	11	ND < 10
	3/18/2003	ND < 10	371	72	ND < 10	37	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	6/18/2003	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	9/16/2003	ND < 10	ND < 10	15	14	18	19	ND < 10	ND < 10	ND < 10	ND < 10
	12/12/2003	32	323	ND < 10	46	ND < 10	24	ND < 10	ND < 10	ND < 10	ND < 10
	3/16/2004	15	242	57	ND < 10	54	31	ND < 10	ND < 10	10	ND < 10
	6/11/2004	ND < 10	228	ND < 10	44	30	24	ND < 10	ND < 10	ND < 10	ND < 10
	8/20/2004	18	268	38	33	41	37	ND < 10	ND < 10	ND < 10	ND < 10
	12/31/2004	40	116	35	29	ND < 10	20	ND < 10	ND < 10	14	ND < 10
	4/15/2005	21	165	33	ND < 10	22	16	ND < 10	ND < 10	ND < 10	ND < 10
	6/23/2005	49	232	28	41	37	26	ND < 10	ND < 10	ND < 10	ND < 10
	8/26/2005	38	121	20	27	25	18	ND < 10	ND < 10	ND < 10	ND < 10
	1/15/2007	25	221	63	52	43	36	27	ND < 10	ND < 10	ND < 10
	10/8/2009	18	104	30	23	31	25	13	ND < 10	ND < 10	ND < 10
	12/21/2009	23	119	45	33	41	28	19	ND < 10	ND < 10	ND < 10
	3/22/2010	ND < 7.6	230	48	48	52	14	20	9	22	ND < 7.6
	6/15/2010	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	9/20/2010	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	12/28/2010	ND < 10	32	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	3/8/2011	23	40	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10

**TABLE 5**  
**SUMMARY OF GROUNDWATER RESULTS**  
**SELECTED SEMIVOLATILE ORGANIC COMPOUNDS**

**PIPER TECHNICAL CENTER**  
555 Ramirez Street  
Los Angeles, California

Sample ID	Sampling Date	Naphthalene	1,2-Methyl naphthalene	Ace-naphthylene	Acenaphthene	Fluorene	Phenanthrene	Anthracene	Fluoranthene	Pyrene	Other
		EPA Method 8270/8270C (ug/L)									
MW-7	6/14/2011	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
(cont.)	9/8/2011	ND < 10	ND < 10	26	25	28	6.0	15	10	13	ND < 10
	12/22/2011	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	3/16/2012	ND < 10	87	19	18	22	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	5/29/2012	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	9/11/2012	ND < 10	82	16	20	17	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	11/29/2012	ND < 10	28	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	3/12/2013	ND < 10	55	ND < 10	ND < 10	12	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	6/11/2013	ND < 10	310	63	52	74	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	9/20/2013	ND < 10	470	104	101	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	12/17/2013	12	180	29	29	34	ND < 5	14	6	7	ND < 5
	3/31/2014	ND < 10	411	83	76	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	6/17/2014	ND < 10	593	98	84	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	9/26/2014	ND < 10	302	67	80	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	12/5/2014	ND < 10	363	78	84	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	3/10/2015	ND < 10	326	70	75	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	6/24/2015	ND < 10	412	93	86	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	9/14/2015	ND < 10	295	69	61	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	12/27/2015	ND < 10	182	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	3/21/2016	ND < 10	ND < 10	ND < 10	42	59	ND < 10	22	ND < 10	16	ND < 10

**TABLE 5**  
**SUMMARY OF GROUNDWATER RESULTS**  
**SELECTED SEMIVOLATILE ORGANIC COMPOUNDS**

**PIPER TECHNICAL CENTER**  
555 Ramirez Street  
Los Angeles, California

Sample ID	Sampling Date	Naphthalene	1,2-Methyl naphthalene	Ace-naphthylene	Acenaphthene	Fluorene	Phenanthrene	Anthracene	Fluoranthene	Pyrene	Other
		EPA Method 8270/8270C (ug/L)									
MW-8	10/26/2000	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	3/30/2001	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	9/14/2001	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	11/13/2001	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	3/6/2002	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	12/10/2002	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	3/18/2003	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	6/18/2003	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	9/16/2003	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	12/12/2003	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	3/16/2004	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	6/11/2004	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	8/20/2004	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	12/31/2004	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	4/15/2005	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	6/23/2005	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	8/26/2005	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	1/15/2007	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	10/8/2009	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	12/21/2009	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	3/22/2010	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5
	6/15/2010	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	9/20/2010	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	12/28/2010	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	3/8/2011	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10

**TABLE 5**  
**SUMMARY OF GROUNDWATER RESULTS**  
**SELECTED SEMIVOLATILE ORGANIC COMPOUNDS**

**PIPER TECHNICAL CENTER**  
555 Ramirez Street  
Los Angeles, California

Sample ID	Sampling Date	Naphthalene	1,2-Methyl naphthalene	Ace-naphthylene	Acenaphthene	Fluorene	Phenanthrene	Anthracene	Fluoranthene	Pyrene	Other
		EPA Method 8270/8270C (ug/L)									
MW-8	6/14/2011	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
(cont.)	9/8/2011	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5
	12/22/2011	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	3/16/2012	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	5/29/2012	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	9/11/2012	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	11/29/2012	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	3/12/2013	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	6/11/2013	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	9/20/2013	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	12/17/2013	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5
	3/31/2014	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	6/17/2014	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	9/26/2014	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	12/5/2014	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	3/10/2015	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	6/24/2015	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	9/14/2015	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	12/27/2015	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	3/21/2016	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10

**TABLE 5**  
**SUMMARY OF GROUNDWATER RESULTS**  
**SELECTED SEMIVOLATILE ORGANIC COMPOUNDS**

**PIPER TECHNICAL CENTER**  
555 Ramirez Street  
Los Angeles, California

Sample ID	Sampling Date	Naphthalene	1,2-Methyl naphthalene	Ace-naphthylene	Acenaphthene	Fluorene	Phenanthrene	Anthracene	Fluoranthene	Pyrene	Other
		EPA Method 8270/8270C (ug/L)									
MW-9	9/14/2001	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	11/9/2001	95	379	45	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	3/6/2002	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	12/10/2002	ND < 10	61	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	3/18/2003	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	6/18/2003	ND < 10	28	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	9/16/2003	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	12	ND < 10	ND < 10	16	ND < 10
	12/12/2003	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	3/16/2004	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	6/11/2004	14	28	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	8/20/2004	316	734	73	29	37	46	ND < 10	ND < 10	ND < 10	ND < 10
	12/31/2004	210	64	39	42	45	11	ND < 10	ND < 10	ND < 10	ND < 10
	4/15/2005	11	23	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	6/23/2005	26	44	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	8/26/2005	33	30	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	1/15/2007	14	57	11	13	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	10/8/2009	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	12/21/2009	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	3/22/2010	ND < 5	15	70	24	ND < 5	19	12	9.6	16	ND < 5
	6/15/2010	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	9/20/2010	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	12/28/2010	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	3/8/2011	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10

**TABLE 5**  
**SUMMARY OF GROUNDWATER RESULTS**  
**SELECTED SEMIVOLATILE ORGANIC COMPOUNDS**

**PIPER TECHNICAL CENTER**  
555 Ramirez Street  
Los Angeles, California

Sample ID	Sampling Date	Naphthalene	1,2-Methyl naphthalene	Ace-naphthylene	Acenaphthene	Fluorene	Phenanthrene	Anthracene	Fluoranthene	Pyrene	Other
		EPA Method 8270/8270C (ug/L)									
MW-9	6/14/2011	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
(cont.)	9/8/2011	ND < 5	18	ND < 5	ND < 5	ND < 5	ND < 5	6.2	5.1	8.4	ND < 5
	12/22/2011	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	3/16/2012	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	5/29/2012	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	9/11/2012	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	11/29/2012	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	3/12/2013	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	6/11/2013	ND < 10	19	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	9/20/2013	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	12/17/2013	5	12	ND < 5	ND < 5	ND < 5	ND < 5	ND < 5	5	ND < 5	ND < 5
	3/31/2014	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	6/17/2014	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	9/26/2014	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	12/5/2014	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	3/10/2015	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	6/24/2015	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	9/14/2015	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	12/27/2015	29.7	14.0	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	3/21/2016	40.5	ND < 10	ND < 10	12	13	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10



**TABLE 5**  
**SUMMARY OF GROUNDWATER RESULTS**  
**SELECTED SEMIVOLATILE ORGANIC COMPOUNDS**

**PIPER TECHNICAL CENTER**  
555 Ramirez Street  
Los Angeles, California

Sample ID	Sampling Date	Naphthalene	1,2-Methyl naphthalene	Ace-naphthylene	Acenaphthene	Fluorene	Phenanthrene	Anthracene	Fluoranthene	Pyrene	Other
		EPA Method 8270/8270C (ug/L)									
MW-10	9/14/2001	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	11/9/2001	723	424	ND < 10	50	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	3/6/2002	1,058	906	104	54	65	67	17	ND < 10	10	ND < 10
	12/10/2002	887	1,025	2,323	164	149	ND < 10	152	ND < 10	16	ND < 10
	3/18/2003	1,180	1,077	ND < 10	127	915	129	ND < 10	ND < 10	ND < 10	ND < 10
	6/18/2003	658	707	ND < 10	ND < 10	ND < 10	81	ND < 10	ND < 10	ND < 10	ND < 10
	9/16/2003	733	51	147	94	52	80	ND < 10	ND < 10	40	ND < 10
	12/12/2003	638	748	ND < 10	88	54	106	ND < 10	ND < 10	ND < 10	ND < 10
	3/16/2004	92	148	46	35	33	48	11	ND < 10	ND < 10	ND < 10
	6/11/2004	514	575	78	85	35	95	ND < 10	ND < 10	30	ND < 10
	8/20/2004	409	632	94	81	68	96	ND < 10	ND < 10	ND < 10	ND < 10
	12/31/2004	666	590	112	145	58	70	ND < 10	ND < 10	39	ND < 10
	4/15/2005	429	481	83	92	29	134	ND < 10	ND < 10	49	ND < 10
	6/23/2005	791	633	130	172	75	84	ND < 10	ND < 10	43	ND < 10
	8/26/2005	1,011	984	235	329	117	93	ND < 10	ND < 10	61	ND < 10
	1/15/2007	343	48	112	101	72	106	25	ND < 10	ND < 10	ND < 10
	10/8/2009	95	28	53	40	36	22	16	ND < 10	ND < 10	ND < 10
	12/21/2009	89	25	67	49	34	17	12	ND < 10	ND < 10	ND < 10
	3/22/2010	88	620	140	120	100	140	24	16	35	5.3
	6/15/2010	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	9/20/2010	15	11	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	12/28/2010	14	254	15	15	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	3/8/2011	21	36	19	18	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10

**TABLE 5**  
**SUMMARY OF GROUNDWATER RESULTS**  
**SELECTED SEMIVOLATILE ORGANIC COMPOUNDS**

**PIPER TECHNICAL CENTER**  
555 Ramirez Street  
Los Angeles, California

Sample ID	Sampling Date	Naphthalene	1,2-Methyl naphthalene	Ace-naphthylene	Acenaphthene	Fluorene	Phenanthrene	Anthracene	Fluoranthene	Pyrene	Other
		EPA Method 8270/8270C (ug/L)									
MW-10	6/14/2011	27	33	24	22	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
(cont.)	9/8/2011	7.5	ND < 5	39	36	30	43	10	7.5	10	ND < 5
	12/22/2011	21	25	18	15	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	3/16/2012	ND < 10	169	23	24	23	30	ND < 10	ND < 10	ND < 10	ND < 10
	5/29/2012	33	39	31	27	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	9/11/2012	ND < 10	160	21	18	20	25	ND < 10	ND < 10	ND < 10	ND < 10
	11/29/2012	ND < 10	110	13	14	ND < 10	13	ND < 10	ND < 10	ND < 10	ND < 10
	3/12/2013	ND < 10	132	17	15	16	16	ND < 10	ND < 10	121	ND < 10
	6/11/2013	ND < 10	601	79	73	73	66	ND < 10	ND < 10	ND < 10	ND < 10
	9/20/2013	ND < 10	1,723	186	ND < 10	155	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	12/17/2013	50	530	48	60	45	ND < 5	10	ND < 5	ND < 5	ND < 5
	3/31/2014	ND < 10	1,427	205	ND < 10	162	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	6/17/2014	ND < 10	1,172	165	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	9/26/2014	ND < 10	1,280	224	ND < 10	141	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	12/5/2014	ND < 10	1,016	163	ND < 10	107	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	3/10/2015	ND < 10	1,704	180	ND < 10	136	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	6/24/2015	ND < 10	2,238	224	ND < 10	152	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	9/14/2015	ND < 10	2,016	190	ND < 10	127	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	12/27/2015	ND < 10	465	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	3/21/2016	ND < 10	ND < 10	ND < 10	101	85	87	19	ND < 10	ND < 10	ND < 10

**TABLE 5**  
**SUMMARY OF GROUNDWATER RESULTS**  
**SELECTED SEMIVOLATILE ORGANIC COMPOUNDS**

**PIPER TECHNICAL CENTER**  
555 Ramirez Street  
Los Angeles, California

Sample ID	Sampling Date	Naphthalene	1,2-Methyl naphthalene	Ace-naphthylene	Acenaphthene	Fluorene	Phenanthrene	Anthracene	Fluoranthene	Pyrene	Other
		EPA Method 8270/8270C (ug/L)									
MW-11	9/14/2001	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	11/9/2001	3,552	794	76	36	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	3/6/2002	4,947	1,472	63	ND < 10	37	42	ND < 10	ND < 10	ND < 10	ND < 10
	12/10/2002	3,075	1,398	99	69	54	ND < 10	72	ND < 10	ND < 10	ND < 10
	3/18/2003	4,760	573	84	ND < 10	31	48	ND < 10	ND < 10	ND < 10	ND < 10
	6/18/2003	5,032	784	ND < 10	63	ND < 10	48	ND < 10	ND < 10	ND < 10	ND < 10
	9/16/2003	3,963	354	72	54	20	47	ND < 10	ND < 10	ND < 10	ND < 10
	12/12/2003	3,801	702	ND < 10	68	ND < 10	45	ND < 10	ND < 10	ND < 10	ND < 10
	3/16/2004	1,007	249	45	ND < 10	24	23	ND < 10	ND < 10	ND < 10	ND < 10
	6/11/2004	3,283	576	56	84	15	46	ND < 10	ND < 10	ND < 10	ND < 10
	8/20/2004	2,563	770	50	74	38	54	ND < 10	ND < 10	ND < 10	ND < 10
	12/31/2004	4,510	725	101	137	20	42	ND < 10	ND < 10	ND < 10	ND < 10
	4/15/2005	2,955	508	63	89	18	55	ND < 10	ND < 10	ND < 10	ND < 10
	6/23/2005	4,011	826	147	129	17	45	ND < 10	ND < 10	ND < 10	ND < 10
	8/26/2005	4,770	1,902	281	229	105	116	ND < 10	ND < 10	ND < 10	ND < 10
	1/15/2007	1,760	514	50	49	18	21	ND < 10	ND < 10	ND < 10	ND < 10
	10/8/2009	224	91	43	32	12	15	ND < 10	ND < 10	ND < 10	ND < 10
	12/21/2009	261	130	94	67	20	14	ND < 10	ND < 10	ND < 10	ND < 10
	3/22/2010	3,300	310	19	46	18	15	ND < 5	ND < 5	ND < 5	ND < 5
	6/15/2010	70	58	51	27	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
9/20/2010	81	69	43	36	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	
12/28/2010	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	
3/8/2011	180	275	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	

**TABLE 5**  
**SUMMARY OF GROUNDWATER RESULTS**  
**SELECTED SEMIVOLATILE ORGANIC COMPOUNDS**

**PIPER TECHNICAL CENTER**  
555 Ramirez Street  
Los Angeles, California

Sample ID	Sampling Date	Naphthalene	1,2-Methyl naphthalene	Ace-naphthylene	Acenaphthene	Fluorene	Phenanthrene	Anthracene	Fluoranthene	Pyrene	Other
		EPA Method 8270/8270C (ug/L)									
MW-11	6/14/2011	156	249	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
(cont.)	9/8/2011	2,600	280	ND < 5	25	ND < 5	7.8	ND < 5	ND < 5	ND < 5	ND < 10
	12/22/2011	203	327	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	3/16/2012	11	15	ND < 10	11	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	5/29/2012	130	251	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	9/11/2012	14	12	13	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	11/29/2012	299	29	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	3/12/2013	619	105	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	22
	6/11/2013	2,247	414	17	61	22	18	ND < 10	ND < 10	ND < 10	ND < 10
	9/20/2013	5,179	1,106	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	12/17/2013	3,400	270	8	34	11	10	ND < 5	ND < 5	ND < 5	ND < 5
	3/31/2014	4,990	1,308	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	6/17/2014	1,319	701	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	9/26/2014	3,632	1,115	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	12/5/2014	2,138	940	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	3/10/2015	3,080	1,238	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	6/24/2015	4,320	1,816	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	9/14/2015	3,040	1,452	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	12/27/2015	2,300	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	3/21/2016	2,410	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10

**TABLE 5**  
**SUMMARY OF GROUNDWATER RESULTS**  
**SELECTED SEMIVOLATILE ORGANIC COMPOUNDS**

**PIPER TECHNICAL CENTER**  
555 Ramirez Street  
Los Angeles, California

Sample ID	Sampling Date	Naphthalene	1,2-Methyl naphthalene	Ace-naphthylene	Acenaphthene	Fluorene	Phenanthrene	Anthracene	Fluoranthene	Pyrene	Other
		EPA Method 8270/8270C (ug/L)									
MW-12	9/14/2001	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	11/9/2001	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	3/6/2002	984	871	127	ND < 10	75	101	22	ND < 10	15	ND < 10
	12/10/2002	1,608	133	218	46	152	ND < 10	222	ND < 10	22	ND < 10
	3/18/2003	2,568	828	274	101	102	189	ND < 10	ND < 10	15	ND < 10
	6/18/2003	2,043	961	ND < 10	ND < 10	68	146	ND < 10	ND < 10	ND < 10	ND < 10
	9/16/2003	331	12	75	ND < 10	37	66	ND < 10	ND < 10	ND < 10	ND < 10
	12/12/2003	1,022	701	27	64	61	151	ND < 10	ND < 10	ND < 10	ND < 10
	3/16/2004	139	178	72	37	49	79	14	ND < 10	ND < 10	ND < 10
	6/11/2004	17	49	108	74	115	378	70	108	284	82
	8/20/2004	614	651	148	95	125	392	ND < 10	ND < 10	ND < 10	81
	12/31/2004	58	69	76	81	201	512	113	ND < 10	ND < 10	95
	4/15/2005	26	43	130	62	104	420	81	127	335	96
	6/23/2005	30	46	71	67	142	390	ND < 10	125	317	90
	8/26/2005	53	79	91	80	187	245	ND < 10	92	271	64
	1/15/2007	Not Sampled									
	10/8/2009	87	32	48	35	31	19	14	ND < 10	ND < 10	ND < 10
	12/21/2009	101	40	53	42	37	26	18	ND < 10	ND < 10	ND < 10
	3/22/2010	140	370	76	51	70	120	22	17	46	8
	6/15/2010	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
9/20/2010	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	
12/28/2010	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	
3/8/2011	17	29	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	

**TABLE 5**  
**SUMMARY OF GROUNDWATER RESULTS**  
**SELECTED SEMIVOLATILE ORGANIC COMPOUNDS**

**PIPER TECHNICAL CENTER**  
555 Ramirez Street  
Los Angeles, California

Sample ID	Sampling Date	Naphthalene	1,2-Methyl naphthalene	Ace-naphthylene	Acenaphthene	Fluorene	Phenanthrene	Anthracene	Fluoranthene	Pyrene	Other
		EPA Method 8270/8270C (ug/L)									
MW-12	6/14/2011	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
(cont.)	9/8/2011	ND < 25	ND < 25	75	42	59	96	ND < 25	ND < 25	36	ND < 25
	12/22/2011	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	3/16/2012	ND < 10	173	31	20	30	49	ND < 10	ND < 10	ND < 10	ND < 10
	5/29/2012	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	9/11/2012	ND < 10	179	36	24	34	42	ND < 10	ND < 10	ND < 10	ND < 10
	11/29/2012	ND < 10	81	14	ND < 10	ND < 10	23	ND < 10	ND < 10	ND < 10	ND < 10
	3/12/2013	ND < 10	147	23	ND < 10	18	21	ND < 10	ND < 10	ND < 10	ND < 10
	6/11/2013	ND < 10	689	120	64	96	93	ND < 10	ND < 10	ND < 10	ND < 10
	9/20/2013	ND < 10	1,836	295	ND < 10	163	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	12/17/2013	200	480	51	38	48	64	10	ND < 5	ND < 5	ND < 5
	3/31/2014	ND < 10	1,403	310	ND < 10	177	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	6/17/2014	ND < 10	1,136	289	ND < 10	122	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	9/26/2014	ND < 10	1,314	266	ND < 10	160	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	12/5/2014	ND < 10	1,228	236	ND < 10	135	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	3/10/2015	ND < 10	1,340	212	ND < 10	119	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	6/24/2015	ND < 10	1,570	293	ND < 10	133	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	9/14/2015	ND < 10	1,208	243	ND < 10	91	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	12/27/2015	ND < 10	554	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	3/21/2016	ND < 10	ND < 10	ND < 10	51	72	99	17	ND < 10	ND < 10	ND < 10

**TABLE 5**  
**SUMMARY OF GROUNDWATER RESULTS**  
**SELECTED SEMIVOLATILE ORGANIC COMPOUNDS**

**PIPER TECHNICAL CENTER**  
555 Ramirez Street  
Los Angeles, California

Sample ID	Sampling Date	Naphthalene	1,2-Methyl naphthalene	Ace-naphthylene	Acenaphthene	Fluorene	Phenanthrene	Anthracene	Fluoranthene	Pyrene	Other
		EPA Method 8270/8270C (ug/L)									
MW-13	9/14/2001	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	11/9/2001	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	3/6/2002	1,181	777	87	56	52	44	10	ND < 10	ND < 10	ND < 10
	12/10/2002	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	3/18/2003	1,923	904	140	99	51	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	6/18/2003	1,546	882	ND < 10	92	ND < 10	48	ND < 10	ND < 10	ND < 10	ND < 10
	9/16/2003	1,765	ND < 10	164	ND < 10	78	141	ND < 10	ND < 10	ND < 10	ND < 10
	12/12/2003	1,172	640	ND < 10	65	ND < 10	23	ND < 10	ND < 10	ND < 10	ND < 10
	3/16/2004	201	177	39	41	36	46	ND < 10	ND < 10	11	ND < 10
	6/11/2004	903	530	82	64	38	54	ND < 10	ND < 10	ND < 10	ND < 10
	8/20/2004	1,041	646	63	70	48	61	ND < 10	ND < 10	ND < 10	ND < 10
	12/31/2004	1,300	610	70	60	51	63	ND < 10	ND < 10	ND < 10	ND < 10
	4/15/2005	877	512	99	75	46	63	ND < 10	ND < 10	ND < 10	ND < 10
	6/23/2005	717	493	62	54	32	48	ND < 10	ND < 10	ND < 10	ND < 10
	8/26/2005	602	514	70	65	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	1/15/2007	981	97	109	68	39	46	ND < 10	ND < 10	ND < 10	ND < 10
	10/8/2009	110	71	38	26	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	12/21/2009	126	87	48	34	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	3/22/2010	520	20	68	60	50	46	10	ND < 5	8.4	ND < 5
	6/15/2010	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
9/20/2010	13	15	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	
12/28/2010	82	169	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	
3/8/2011	43	52	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	

**TABLE 5**  
**SUMMARY OF GROUNDWATER RESULTS**  
**SELECTED SEMIVOLATILE ORGANIC COMPOUNDS**

**PIPER TECHNICAL CENTER**  
555 Ramirez Street  
Los Angeles, California

Sample ID	Sampling Date	Naphthalene	1,2-Methyl naphthalene	Ace-naphthylene	Acenaphthene	Fluorene	Phenanthrene	Anthracene	Fluoranthene	Pyrene	Other
		EPA Method 8270/8270C (ug/L)									
MW-13	6/14/2011	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
(cont.)	9/8/2011	7.5	ND < 5	39	36	30	43	10	7.5	10	ND < 5
	12/22/2011	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	3/16/2012	65	203	24	22	19	18	ND < 10	ND < 10	ND < 10	ND < 10
	5/29/2012	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	9/11/2012	53	182	20	17	15	12	ND < 10	ND < 10	ND < 10	ND < 10
	11/29/2012	19	101	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	3/12/2013	16	165	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	6/11/2013	103	1,053	143	94	93	68	ND < 10	ND < 10	ND < 10	ND < 10
	9/20/2013	ND < 10	1,570	176	ND < 10	140	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	12/17/2013	110	740	49	47	33	33	5	ND < 5	ND < 5	ND < 5
	3/31/2014	ND < 10	1,533	164	ND < 10	132	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	6/17/2014	ND < 10	1,328	174	ND < 10	103	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	9/26/2014	ND < 10	1,778	182	ND < 10	149	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	12/5/2014	ND < 10	1,482	170	ND < 10	141	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	3/10/2015	ND < 10	1,632	195	ND < 10	160	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	6/24/2015	ND < 10	992	148	ND < 10	179	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	9/14/2015	ND < 10	1,726	292	ND < 10	130	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	12/27/2015	ND < 10	1,140	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
	3/21/2016	ND < 10	ND < 10	ND < 10	71	67	58	12	ND < 10	ND < 10	ND < 10

Concentrations reported in micrograms per liter (ug/L)

ND - Not detected above the specified detection limit

NS - Not sampled



## **APPENDIX A**

### **GENERAL FIELD PROCEDURES**

The following sections outline the general field procedures and protocols followed by Pinnacle Environmental Technologies (Pinnacle) in the completion of field tasks. Any deviation from the procedures outlined here due to unique or unforeseen circumstances will be noted in the body of the applicable report. The following tasks are detailed:

- Soil Sample Collection - Direct Push Rigs, Hollow Stem Auger Sampling
- Soil Classification and Logging
- Groundwater Grab Sampling
- Groundwater Monitoring Well Installation
- Small Diameter Well Installation
- Groundwater Level Monitoring
- Monitoring Well Purging and Sampling
- Chain-of-Custody Protocol

#### **Soil Sample Collection**

Soil samples are collected to allow soil description/classification and for laboratory analysis. Samples may be collected using a variety of different techniques including: hollow stem auger rigs (drop hammer samplers), direct push rigs, composite grab samplers, or excavation samples. The sampling technique utilized will be selected based on the particular phase of work and sample requirements. All soil samples collected during drilling operations are also monitored for volatile organic vapors. This is accomplished using a photo-ionization detector (PID) and LEL meter to monitor the soil either at the ends of sample tubes or after it has been placed in sealed Ziploc bags. The maximum PID and LEL readings are recorded on the boring log. Field headspace readings are also used to determine if a soil sample will be analyzed in the laboratory.

#### Direct-Push Drill Rigs

Samples collected using direct-push techniques are collected in either brass/stainless steel tubes or acetate sleeves. The sampling device is advanced using hydraulic pressure and a hammer into undisturbed soil ahead of the sampler. The sleeves or tubes are removed from the sampling device after retrieving the sampler from the boring. If acetate sleeves are used, the sleeve is examined and the sample portion selected for laboratory analysis is cut off from the main sleeve. A 4 to 6-inch portion is typically removed for laboratory analysis.

After the sample tubes are retrieved from the sampler, each tube is sealed using Teflon tape and plastic end caps. Each sample tube is labeled with the sample identification, date and time of sampling, and sample site identification. The sample is then placed in a cooler chilled with either blue ice or “wet” ice for transport to the laboratory.

### Hollow Stem Auger Sampling

Hollow stem auger samples are typically collected in split tube samples, “California” samplers, or Shelby tubes. When a sample for laboratory analysis or standard penetration test (SPT) data is required, the sampler is driven into undisturbed soil with a down hole or standard 140 pound geotechnical hammer. The sampler is lined with brass/stainless steel (if required for metal analysis) tubes for handling the undisturbed samples at the surface. Tubes are not used for SPTs. After bringing the sampler to the surface and removing the tubes with sample, they are handled as described earlier in this section. Samples for description are released from the sampler shoe and placed into a Ziploc bag for headspace analysis and visual inspection. Disturbed samples for geotechnical analysis are placed in Ziploc bags.

All augers and split-tube samplers used to collect soil at Hyperion were steam-cleaned between wells.

### **Soil Classification and Logging**

Soils are classified in the field in conformance with the Unified Soil Classification System (USCS-ASTM D2487).

A boring log is maintained for soil borings and well installations. Each log records the sample identification, collection location, depth and interval; number of blows required for sample collection (drop hammer samplers only); USCS soil type, color, field density estimation, field moisture content estimation, physical characteristics (grain size, sorting, roundness, odors, and other distinguishing characteristics); and, time of sample collection.

If a boring is not converting to a well, it is backfilled with either hydrated bentonite chips, Volclay grout, bentonite cement, Portland cement, or a combination of the above. Borings are backfilled in accordance with any prevailing local standards and regulations.

## **Groundwater Grab Sampling**

Groundwater grab samples may be collected from Geoprobe borings using bailers or polyethylene tubing. In either case, a temporary screen is lowered in the well bore to a depth at which the screen intersects the static water level. A decontaminated bailer may then be lowered in to the well to collect a sample. Standard purging is not normally performed prior to pulling grab samples, unless extremely turbid samples are initially collected. Alternatively, a polyethylene tube may be lowered into the temporary well screen to purge water from the well. A check valve is placed on the bottom of the tubing to allow water to be removed from the well. This technique is more applicable to sites where the presence of concentrations of non-volatile constituents are being assessed. A peristaltic pump may also be used to purge larger quantities of water from the well before sampling

The water is decanted into the sample containers (40-milliliter VOAs or glass amber bottles, as required) in a manner which minimizes agitation and possible loss of volatiles. Each container is filled so that when the cover is tightened that a zero headspace sample has been collected with no trapped air bubbles visible in the container.

Each container is then labeled with the sample identification, sample date and time, and site name. The sample containers are then placed in a cooled ice chest for transport to the laboratory.

## **Groundwater Monitoring Well Installation**

Groundwater monitoring wells are typically constructed of two or four-inch PVC with .010 or .020-inch slots. At least a ten-foot section of the screened interval is generally installed below the expected static water level. If a fluctuating static water level is expected, the screened interval is designed to allow a sufficient length of screen to be below static water level at all times. The screen extends to the bottom of the well in almost all cases. Sumps are generally not installed. No glue is used during construction. A sand pack, which is appropriate for filtering sediment derived from the surrounding formation from groundwater entering the well, is poured to approximately two feet above the top of the screened interval. The well is developed for a short time after installation of the sand pack to promote settling of the sand pack. Approximately three feet of bentonite chips are placed from the top of the sand pack and hydrated with a minimal amount of potable water. A concrete seal is poured above the bentonite chips to further seal the well from surface water infiltration, and to set a steel, traffic-rated well cover or monument.

The wells were developed using a six-foot, bottom-emptying, steel bailer. The bailer was used to surge the well, and to remove from 15 to 20 gallons of turbid groundwater from each well. The bailer was steam-cleaned between wells.

### **Small Diameter Well Installation**

Small-diameter groundwater monitoring wells are typically constructed of one-inch PVC with .010 or .020-inch slotted screens. The PVC is threaded with rubber seals. No glue is used during construction. Screened intervals are selected in the same manner as with larger diameter wells. A sand pack is installed to a depth above the top of the screen. A two to three foot seal of bentonite chips is placed at the top of the sand pack. A concrete seal is poured to further seal the well from surface water infiltration, and a steel, traffic-rated well cover is installed at the surface.

Groundwater samples are collected from standard monitoring wells and small-diameter wells using similar methods. Sampling of groundwater monitoring wells is conducted in accordance with the EPA Technical Enforcement Guidance Document or with any other local protocols and procedures.

### **Groundwater Level Monitoring**

The depth to groundwater is measured to the nearest 0.01 foot and recorded for use in determining the groundwater gradient and flow direction. Water level measurements are completed on all wells prior to purging any well at the site. Depth to groundwater is measured using either an electronic well sounding device (i.e. Solinst) or using an interface probe (i.e. Waterra, ORS, MMC). If a sounding device is used, the well is first checked for the presence of non-aqueous phase petroleum liquids (NAPLs) using hydrocarbon sensitive paste or an interface probe. The interface probe is capable of direct detection of trace thickness of NAPLs.

The water level meter in this investigation was cleaned with analconox solution, rinsed with clean water, and wiped with denatured alcohol between wells.

## Monitoring Well Purging and Sampling

All wells are purged prior to the collection of groundwater samples to ensure that a representative groundwater sample is collected. Wells are typically purged using either a portable submersible pump or by using a vacuum truck and dedicated well stinger. Water temperature, pH, and conductivity are monitored during purging. Purging is considered complete once a minimum of three well casing volumes have been purged and the physical parameters have stabilized for successive readings to within 5 percent of temperature and conductivity and 0.05 pH units.

Many low yield aquifers are not capable of producing three well casing volumes of water. In these cases the well may be pumped dry. If this occurs, the well is only pumped dry once and samples are collected once the conditions specified below are achieved.

Care is taken not to overpump a well to dryness and to avoid the possibility of cascading water into the well. All wells are purged at the minimum rate necessary to adequately ensure that a representative groundwater sample will be collected.

In certain cases, regulatory agencies will request the collection of groundwater samples from wells without first purging them. "Pre-Purge" samples are identified as such on the Chain-of-Custody and in the sample identification section of the report.

Each well is allowed to recharge to 80% of its pre-purge volume prior to sampling, or for two hours, whichever occurs first. If a well does not recharge to 80% of its pre-purge volume within two hours, then a sample is collected as soon as sufficient water has collected in the well to fill the required sample containers.

Samples are collected by slowly lowering either a disposable Teflon/polyethylene or decontaminated stainless steel bailer into the water column. Care is taken to minimize agitating the water as the bailer enters. The bailer is removed from the well after filling, and a bottom emptying device attached. The water is decanted into the sample containers (40-milliliter VOAs or glass amber bottles, as required) in a manner which minimizes agitation and possible loss of volatiles. Each container is filled so that when the cover is tightened that a zero headspace sample has been collected with no trapped air bubbles visible in the container.

Each container is then labeled with the sample identification, sample date and time, and site name. The sample containers are then placed in a cooled ice chest for transport to the laboratory.

The wells at were purged with a decontaminated submersible pump. New vinyl tubing was used for each well. The pump was decontaminated with analconox solution, and rinsed with clean water. Groundwater samples were collected with disposable polyethylene bailers through low-flow emptying devices. New string was used for each well.

The 1 liter amber bottles and 40 milliliter VOAs used to transport the samples to the laboratory were washed withalconox and heated to a temperature of 160 degrees F for two hours to remove potentially detectable concentrations of coliform, volatile organic compounds, or metals.

### **Chain-of-Custody Protocol**

All soil and groundwater samples that are collected are documented using Chain-of-Custody (COC) procedures. Each sample is identified and entered onto the COC record along with the date and time of collection and the type and number of sample containers. COC documents also typically used to document which analyses are completed on each sample. The COC follows the samples from the field to the laboratory and is a legal document recording who had possession of the samples at all times.

The groundwater samples were delivered to the laboratory on the day of sample collection. They were immediately put into a refrigerator after acceptance by the laboratory.

# CHEMICAL & ENVIRONMENTAL LABORATORIES, INC.

April 1, 2016

ELAP Certificate No: 2268

Mr. Keith Thompson  
Pinnacle Env. Technologies  
2 Santa Maria  
Foothill Ranch, CA 92610

Project: Piper Tech Center  
C&E ID: 160321B

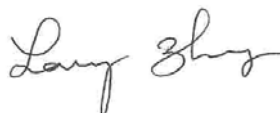
Dear Mr. Thompson,

Enclosed is an analytical report for the sample(s) received by Chemical & Environmental Laboratories, Inc. on March 21, 2016 and analyzed as indicated in the attached chain-of-custody.

Unless otherwise noted, no problems were encountered during receiving, preparation and analysis of these samples.

Please contact me at (562) 926-8091 if you have any questions regarding this report.

Sincerely,

A handwritten signature in cursive script, appearing to read "Larry Zhang".

Larry Zhang, Ph.D.  
Laboratory Director

# CHEMICAL & ENVIRONMENTAL LABORATORIES, INC.

## ANALYTICAL REPORT

--- 8015M (Hydrocarbon Characterization) ---

Client Name: Pinnacle Env. Technologies  
 Project Manager: Keith Thompson  
 Project Name: Piper Tech Center  
 Sample Matrix: Water

Date Sampled: 03/21/16  
 Date Analyzed: 03/21/16  
 Date Reported: 03/28/16  
 Unit Reported: mg/L or ppm

C&E LAB ID	SAMPLE ID	DF	C <sub>4</sub> -C <sub>12</sub>		C <sub>13</sub> -C <sub>22</sub>		C <sub>23</sub> -C <sub>40</sub>		%Surrogate (70-130)
			Result	RL	Result	RL	Result	RL	
160321B-1	MW-1	1	ND	0.1	ND	0.5	ND	1	115
160321B-2	MW-2	1	ND	0.1	ND	0.5	ND	1	108
160321B-3	MW-3	1	1.0	0.1	ND	0.5	ND	1	111
160321B-4	MW-4	1	0.4	0.1	ND	0.5	ND	1	113
160321B-5	MW-5	1	2.7	0.1	ND	0.5	ND	1	110
160321B-6	MW-5 DUP	1	2.8	0.1	ND	0.5	ND	1	114
160321B-7	MW-6	1	0.4	0.1	ND	0.5	ND	1	94
160321B-8	MW-7	1	1.0	0.1	ND	0.5	ND	1	89
160321B-9	MW-8	1	ND	0.1	ND	0.5	ND	1	96
160321B-10	MW-9	1	0.8	0.1	ND	0.5	ND	1	115
160321B-11	MW-10	1	4.3	0.1	ND	0.5	ND	1	112
160321B-12	MW-11	1	34.0	0.1	ND	0.5	ND	1	108
160321B-13	MW-12	1	2.4	0.1	ND	0.5	ND	1	105
160321B-14	MW-13	1	6.1	0.1	ND	0.5	ND	1	85

ND = Not detected at the indicated reporting limit; DF = Dilution Factor; RL = Reporting limit.  
 MI = Matrix Interference; unquantifiable due to coeluting organics in sample.



# CHEMICAL & ENVIRONMENTAL LABORATORIES, INC.

## ANALYTICAL REPORT

Page 1 of 2

--- EPA 8260B (VOCs) ---

Client Name: Pinnacle Env. Technologies  
 Project Manager: Keith Thompson  
 Project Name: Piper Tech Center  
 Sample Matrix: Water

Date Sampled: 03/21/16  
 Date Analyzed: 03/22/16  
 Date Reported: 03/28/16  
 Unit Reported: µg/L or ppb

C&E LAB ID	160321B-1	160321B-2	160321B-3	160321B-4	160321B-5
SAMPLE ID	MW-1	MW-2	MW-3	MW-4	MW-5
DF	1	1	1	1	5

COMPOUND	Result		Result		Result		Result		Result	
	RL	RL	RL	RL	RL	RL	RL	RL	RL	RL
Acetone	ND	2.0	ND	2.0	ND	2.0	ND	2.0	ND	10.0
Benzene	ND	0.5	ND	0.5	150.8	0.5	5.1	0.5	39.6	2.5
Bromodichloromethane	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	5.0
Bromoform	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	5.0
Bromomethane	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	5.0
2-Butanone (MEK)	ND	2.0	ND	2.0	ND	2.0	ND	2.0	ND	10.0
Carbon Disulfide	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	5.0
Carbon Tetrachloride	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	2.5
Chlorobenzene	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	2.5
Chloroethane	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	5.0
Chloroform	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	5.0
Chloromethane	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	5.0
Cyclohexane	ND	0.5	ND	0.5	1.4	0.5	3.0	0.5	3.8	2.5
Dibromochloromethane	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	5.0
1,2-Dibromo-3-Chloropropane	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	5.0
1,2-Dibromoethane	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	5.0
1,2-Dichlorobenzene	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	2.5
1,3-Dichlorobenzene	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	2.5
1,4-Dichlorobenzene	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	2.5
Dichlorodifluoromethane	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	5.0
1,1-Dichloroethane	ND	0.5	ND	0.5	ND	0.5	0.9	0.5	ND	2.5
1,2-Dichloroethane	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	2.5
1,1-Dichloroethene	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	2.5
cis-1,2-Dichloroethene	4.6	0.5	69.6	0.5	4.1	0.5	3.0	0.5	7.8	2.5
trans-1,2-Dichloroethene	0.9	0.5	4.9	0.5	ND	0.5	1.5	0.5	ND	2.5
1,2-Dichloropropane	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	2.5

To be continued on page 2

# CHEMICAL & ENVIRONMENTAL LABORATORIES, INC.

## ANALYTICAL REPORT

Page 2 of 2

--- EPA 8260B (VOCs) ---

Client Name: Pinnacle Env. Technologies  
 Project Manager: Keith Thompson  
 Project Name: Piper Tech Center  
 Sample Matrix: Water

Date Sampled: 03/21/16  
 Date Analyzed: 03/22/16  
 Date Reported: 03/28/16  
 Unit Reported: µg/L or ppb

C&E LAB ID	160321B-1	160321B-2	160321B-3	160321B-4	160321B-5
SAMPLE ID	MW-1	MW-2	MW-3	MW-4	MW-5
DF	1	1	1	1	5

COMPOUND	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
trans-1,3-Dichloropropene	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	2.5
cis-1,3-Dichloropropene	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	2.5
Ethylbenzene	ND	0.5	ND	0.5	186.5	0.5	5.9	0.5	300.6	2.5
2-Hexanone	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	2.5
Methyl Acetate	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	2.5
Methylcyclohexane	ND	0.5	1.0	0.5	ND	0.5	5.6	0.5	19.1	2.5
Methylene Chloride	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	2.5
4-Methyl-2-Pentanone	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	2.5
Styrene	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	2.5
Isopropylbenzene	ND	0.5	ND	0.5	12.0	0.5	13.8	0.5	22.1	2.5
4-Isopropyltoluene	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	2.5
1,1,2-Tetrachloroethane	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	2.5
Tetrachloroethene	ND	0.5	ND	0.5	ND	0.5	ND	0.5	3.0	2.5
Toluene	ND	0.5	ND	0.5	3.1	0.5	ND	0.5	5.6	2.5
1,2,4-Trichlorobenzene	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	2.5
1,1,1-Trichloroethane	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	2.5
1,1,2-Trichloroethane	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	2.5
Trichloroethene	ND	0.5	ND	0.5	ND	0.5	2.4	0.5	5.2	2.5
Trichlorofluoromethane	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	2.5
1,1,2-Trichlorotrifluoroethane	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	2.5
Vinyl Chloride	21.3	0.5	54.2	0.5	2.1	0.5	20.9	0.5	28.8	2.5
Total Xylenes	ND	0.5	ND	0.5	9.2	0.5	ND	0.5	46.6	2.5

Surrogate Compounds	% Surrogate Recovery (70-130)				
Dibromofluoromethane	108	108	106	100	104
1,2-Dichloroethane-d4	107	105	104	104	106
Toluene-D8	102	96	99	95	100
4-Bromofluorobenzene	96	92	94	93	93

ND = Not detected at the indicated reporting limit; DF = Dilution Factor; RL = Reporting limit.

MI = Matrix Interference; unquantifiable due to coeluting organics in sample.

# CHEMICAL & ENVIRONMENTAL LABORATORIES, INC.

## ANALYTICAL REPORT

--- EPA 8260B (Oxygenated Compounds) ---

Client Name: Pinnacle Env. Technologies  
Project Manager: Keith Thompson  
Project Name: Piper Tech Center  
Sample Matrix: Water

Date Sampled: 03/21/16  
Date Analyzed: 03/22/16  
Date Reported: 03/28/16  
Unit Reported: µg/L or ppb

C&E LAB ID	160321B-1	160321B-2	160321B-3	160321B-4	160321B-5
SAMPLE ID	MW-1	MW-2	MW-3	MW-4	MW-5
DF	1	1	1	1	5

COMPOUND	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Ethyl Tertiary Butyl Ether	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	5.0
Tertiary Amyl Methyl Ether	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	5.0
Diisopropyl Ether	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	5.0
Tertiary Butyl Alcohol	ND	10.0	ND	10.0	ND	10.0	ND	10.0	ND	50.0
MTBE	8.1	1.0	17.7	1.0	ND	1.0	3.2	1.0	ND	5.0

ND = Not detected at the indicated reporting limit; DF = Dilution Factor; RL = Reporting limit.

MI = Matrix Interference; unquantifiable due to coeluting organics in sample.

# CHEMICAL & ENVIRONMENTAL LABORATORIES, INC.

## ANALYTICAL REPORT

Page 1 of 2

--- EPA 8260B (VOCs) ---

Client Name: Pinnacle Env. Technologies  
 Project Manager: Keith Thompson  
 Project Name: Piper Tech Center  
 Sample Matrix: Water

Date Sampled: 03/21/16  
 Date Analyzed: 03/22/16  
 Date Reported: 03/28/16  
 Unit Reported: µg/L or ppb

C&E LAB ID	160321B-6	160321B-7	160321B-8	160321B-9	160321B-10
SAMPLE ID	MW-5 Dup	MW-6	MW-7	MW-8	MW-9
DF	5	1	2	1	1

COMPOUND	Result		RL		Result		RL		Result		RL	
	Value	RL	Value	RL	Value	RL	Value	RL	Value	RL	Value	RL
Acetone	ND	10.0	ND	2.0	ND	4.0	ND	2.0	ND	2.0	ND	2.0
Benzene	43.1	2.5	2.5	0.5	29.7	1.0	ND	0.5	ND	0.5	ND	0.5
Bromodichloromethane	ND	5.0	ND	1.0	ND	2.0	ND	1.0	ND	1.0	ND	1.0
Bromoform	ND	5.0	ND	1.0	ND	2.0	ND	1.0	ND	1.0	ND	1.0
Bromomethane	ND	5.0	ND	1.0	ND	2.0	ND	1.0	ND	1.0	ND	1.0
2-Butanone (MEK)	ND	10.0	ND	2.0	ND	4.0	ND	2.0	ND	2.0	ND	2.0
Carbon Disulfide	ND	5.0	ND	1.0	ND	2.0	ND	1.0	ND	1.0	ND	1.0
Carbon Tetrachloride	ND	2.5	ND	0.5	ND	1.0	ND	0.5	ND	0.5	ND	0.5
Chlorobenzene	ND	2.5	ND	0.5	ND	1.0	ND	0.5	ND	0.5	ND	0.5
Chloroethane	ND	5.0	ND	1.0	ND	2.0	ND	1.0	ND	1.0	ND	1.0
Chloroform	ND	5.0	ND	1.0	ND	2.0	ND	1.0	ND	1.0	ND	1.0
Chloromethane	ND	5.0	ND	1.0	ND	2.0	ND	1.0	ND	1.0	ND	1.0
Cyclohexane	3.3	2.5	ND	0.5	1.7	1.0	ND	0.5	ND	0.5	ND	0.5
Dibromochloromethane	ND	5.0	ND	1.0	ND	2.0	ND	1.0	ND	1.0	ND	1.0
1,2-Dibromo-3-Chloropropane	ND	5.0	ND	1.0	ND	2.0	ND	1.0	ND	1.0	ND	1.0
1,2-Dibromoethane	ND	5.0	ND	1.0	ND	2.0	ND	1.0	ND	1.0	ND	1.0
1,2-Dichlorobenzene	ND	2.5	ND	0.5	ND	1.0	ND	0.5	ND	0.5	ND	0.5
1,3-Dichlorobenzene	ND	2.5	ND	0.5	ND	1.0	ND	0.5	ND	0.5	ND	0.5
1,4-Dichlorobenzene	ND	2.5	ND	0.5	ND	1.0	ND	0.5	ND	0.5	ND	0.5
Dichlorodifluoromethane	ND	5.0	ND	1.0	ND	2.0	ND	1.0	ND	1.0	ND	1.0
1,1-Dichloroethane	ND	2.5	1.9	0.5	0.8	1.0	ND	0.5	1.6	0.5	ND	0.5
1,2-Dichloroethane	ND	2.5	ND	0.5	ND	1.0	ND	0.5	ND	0.5	ND	0.5
1,1-Dichloroethene	ND	2.5	ND	0.5	ND	1.0	ND	0.5	ND	0.5	ND	0.5
cis-1,2-Dichloroethene	7.2	2.5	ND	0.5	5.7	1.0	10.5	0.5	7.4	0.5	ND	0.5
trans-1,2-Dichloroethene	ND	2.5	2.4	0.5	0.8	1.0	1.7	0.5	1.1	0.5	ND	0.5
1,2-Dichloropropane	ND	2.5	ND	0.5	ND	1.0	ND	0.5	ND	0.5	ND	0.5

To be continued on page 2

# CHEMICAL & ENVIRONMENTAL LABORATORIES, INC.

## ANALYTICAL REPORT

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--- EPA 8260B (VOCs) ---

Client Name: Pinnacle Env. Technologies  
 Project Manager: Keith Thompson  
 Project Name: Piper Tech Center  
 Sample Matrix: Water

Date Sampled: 03/21/16  
 Date Analyzed: 03/22/16  
 Date Reported: 03/28/16  
 Unit Reported: µg/L or ppb

C&E LAB ID	160321B-6	160321B-7	160321B-8	160321B-9	160321B-10
SAMPLE ID	MW-5 Dup	MW-6	MW-7	MW-8	MW-9
DF	5	1	2	1	1

COMPOUND	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
trans-1,3-Dichloropropene	ND	2.5	ND	0.5	ND	1.0	ND	0.5	ND	0.5
cis-1,3-Dichloropropene	ND	2.5	ND	0.5	ND	1.0	ND	0.5	ND	0.5
Ethylbenzene	313.2	2.5	20.0	0.5	76.8	1.0	ND	0.5	1.7	0.5
2-Hexanone	ND	2.5	ND	0.5	ND	1.0	ND	0.5	ND	0.5
Methyl Acetate	ND	2.5	ND	0.5	ND	1.0	ND	0.5	ND	0.5
Methylcyclohexane	19.1	2.5	ND	0.5	6.9	1.0	ND	0.5	ND	0.5
Methylene Chloride	ND	2.5	ND	0.5	ND	1.0	ND	0.5	ND	0.5
4-Methyl-2-Pentanone	ND	2.5	ND	0.5	ND	1.0	ND	0.5	ND	0.5
Styrene	ND	2.5	ND	0.5	ND	1.0	ND	0.5	ND	0.5
Isopropylbenzene	20.4	2.5	1.4	0.5	15.5	1.0	ND	0.5	ND	0.5
4-Isopropyltoluene	ND	2.5	ND	0.5	ND	1.0	ND	0.5	ND	0.5
1,1,2-Tetrachloroethane	ND	2.5	ND	0.5	ND	1.0	ND	0.5	ND	0.5
Tetrachloroethene	3.3	2.5	ND	0.5	1.2	1.0	ND	0.5	ND	0.5
Toluene	5.9	2.5	1.2	0.5	2.1	1.0	ND	0.5	ND	0.5
1,2,4-Trichlorobenzene	ND	2.5	ND	0.5	ND	1.0	ND	0.5	ND	0.5
1,1,1-Trichloroethane	ND	2.5	ND	0.5	ND	1.0	ND	0.5	ND	0.5
1,1,2-Trichloroethane	ND	2.5	ND	0.5	ND	1.0	ND	0.5	ND	0.5
Trichloroethene	5.8	2.5	ND	0.5	4.2	1.0	ND	0.5	1.2	0.5
Trichlorofluoromethane	ND	2.5	ND	0.5	ND	1.0	ND	0.5	ND	0.5
1,1,2-Trichlorotrifluoroethane	ND	2.5	ND	0.5	ND	1.0	ND	0.5	ND	0.5
Vinyl Chloride	28.5	2.5	67.7	0.5	29.9	1.0	21.5	0.5	38.2	0.5
Total Xylenes	49.7	2.5	16.8	0.5	9.1	1.0	ND	0.5	2.5	0.5

Surrogate Compounds	% Surrogate Recovery (70-130)				
Dibromofluoromethane	103	102	101	99	105
1,2-Dichloroethane-d4	105	97	101	102	103
Toluene-D8	98	95	95	97	95
4-Bromofluorobenzene	95	92	96	96	89

ND = Not detected at the indicated reporting limit; DF = Dilution Factor; RL = Reporting limit.

MI = Matrix Interference; unquantifiable due to coeluting organics in sample.

# CHEMICAL & ENVIRONMENTAL LABORATORIES, INC.

## ANALYTICAL REPORT

--- EPA 8260B (Oxygenated Compounds) ---

Client Name: Pinnacle Env. Technologies  
Project Manager: Keith Thompson  
Project Name: Piper Tech Center  
Sample Matrix: Water

Date Sampled: 03/21/16  
Date Analyzed: 03/22/16  
Date Reported: 03/28/16  
Unit Reported: µg/L or ppb

C&E LAB ID	160321B-6	160321B-7	160321B-8	160321B-9	160321B-10
SAMPLE ID	MW-5 Dup	MW-6	MW-7	MW-8	MW-9
DF	5	1	2	1	1

COMPOUND	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Ethyl Tertiary Butyl Ether	ND	5.0	ND	1.0	ND	2.0	ND	1.0	ND	1.0
Tertiary Amyl Methyl Ether	ND	5.0	ND	1.0	ND	2.0	ND	1.0	ND	1.0
Diisopropyl Ether	ND	5.0	ND	1.0	ND	2.0	ND	1.0	ND	1.0
Tertiary Butyl Alcohol	ND	50.0	ND	10.0	ND	20.0	ND	10.0	ND	10.0
MTBE	ND	5.0	ND	1.0	ND	2.0	ND	1.0	ND	1.0

ND = Not detected at the indicated reporting limit; DF = Dilution Factor; RL = Reporting limit.

MI = Matrix Interference; unquantifiable due to coeluting organics in sample.

# CHEMICAL & ENVIRONMENTAL LABORATORIES, INC.

## ANALYTICAL REPORT

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--- EPA 8260B (VOCs) ---

Client Name: Pinnacle Env. Technologies  
 Project Manager: Keith Thompson  
 Project Name: Piper Tech Center  
 Sample Matrix: Water

Date Sampled: 03/21/16  
 Date Analyzed: 03/22/16  
 Date Reported: 03/28/16  
 Unit Reported: µg/L or ppb

C&E LAB ID	160321B-11	160321B-12	160321B-13	160321B-14	
SAMPLE ID	MW-10	MW-11	MW-12	MW-13	
DF	2	10	1	5	

COMPOUND	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Acetone	ND	4.0	ND	20.0	ND	2.0	ND	10.0		
Benzene	72.5	1.0	60.2	5.0	62.6	0.5	55.9	2.5		
Bromodichloromethane	ND	2.0	ND	10.0	ND	1.0	ND	5.0		
Bromoform	ND	2.0	ND	10.0	ND	1.0	ND	5.0		
Bromomethane	ND	2.0	ND	10.0	ND	1.0	ND	5.0		
2-Butanone (MEK)	ND	4.0	ND	20.0	ND	2.0	ND	10.0		
Carbon Disulfide	ND	2.0	ND	10.0	ND	1.0	ND	5.0		
Carbon Tetrachloride	ND	1.0	ND	5.0	ND	0.5	ND	2.5		
Chlorobenzene	ND	1.0	ND	5.0	ND	0.5	ND	2.5		
Chloroethane	ND	2.0	ND	10.0	ND	1.0	ND	5.0		
Chloroform	ND	2.0	ND	10.0	ND	1.0	ND	5.0		
Chloromethane	ND	2.0	ND	10.0	ND	1.0	ND	5.0		
Cyclohexane	3.3	1.0	6.2	5.0	2.2	0.5	5.6	2.5		
Dibromochloromethane	ND	2.0	ND	10.0	ND	1.0	ND	5.0		
1,2-Dibromo-3-Chloropropane	ND	2.0	ND	10.0	ND	1.0	ND	5.0		
1,2-Dibromoethane	ND	2.0	ND	10.0	ND	1.0	ND	5.0		
1,2-Dichlorobenzene	ND	1.0	ND	5.0	ND	0.5	ND	2.5		
1,3-Dichlorobenzene	ND	1.0	ND	5.0	ND	0.5	ND	2.5		
1,4-Dichlorobenzene	ND	1.0	ND	5.0	ND	0.5	ND	2.5		
Dichlorodifluoromethane	ND	2.0	ND	10.0	ND	1.0	ND	5.0		
1,1-Dichloroethane	ND	1.0	ND	5.0	1.0	0.5	ND	2.5		
1,2-Dichloroethane	ND	1.0	ND	5.0	ND	0.5	ND	2.5		
1,1-Dichloroethene	ND	1.0	ND	5.0	ND	0.5	ND	2.5		
cis-1,2-Dichloroethene	4.9	1.0	ND	5.0	5.9	0.5	3.8	2.5		
trans-1,2-Dichloroethene	ND	1.0	ND	5.0	ND	0.5	ND	2.5		
1,2-Dichloropropane	ND	1.0	ND	5.0	ND	0.5	ND	2.5		

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# CHEMICAL & ENVIRONMENTAL LABORATORIES, INC.

## ANALYTICAL REPORT

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--- EPA 8260B (VOCs) ---

Client Name: Pinnacle Env. Technologies  
 Project Manager: Keith Thompson  
 Project Name: Piper Tech Center  
 Sample Matrix: Water

Date Sampled: 03/21/16  
 Date Analyzed: 03/22/16  
 Date Reported: 03/28/16  
 Unit Reported: µg/L or ppb

C&E LAB ID	160321B-11	160321B-12	160321B-13	160321B-14	
SAMPLE ID	MW-10	MW-11	MW-12	MW-13	
DF	2	10	1	5	

COMPOUND	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
trans-1,3-Dichloropropene	ND	1.0	ND	5.0	ND	0.5	ND	2.5		
cis-1,3-Dichloropropene	ND	1.0	ND	5.0	ND	0.5	ND	2.5		
Ethylbenzene	447.3	1.0	2695.1	5.0	222.6	0.5	438.9	2.5		
2-Hexanone	ND	1.0	ND	5.0	ND	0.5	ND	2.5		
Methyl Acetate	ND	1.0	ND	5.0	ND	0.5	ND	2.5		
Methylcyclohexane	39.0	1.0	10.2	5.0	10.0	0.5	39.8	2.5		
Methylene Chloride	ND	1.0	ND	5.0	ND	0.5	ND	2.5		
4-Methyl-2-Pentanone	ND	1.0	ND	5.0	ND	0.5	ND	2.5		
Styrene	ND	1.0	ND	5.0	ND	0.5	ND	2.5		
Isopropylbenzene	26.2	1.0	140.2	5.0	30.0	0.5	53.6	2.5		
4-Isopropyltoluene	ND	1.0	ND	5.0	ND	0.5	ND	2.5		
1,1,2-Tetrachloroethane	ND	1.0	ND	5.0	ND	0.5	ND	2.5		
Tetrachloroethene	3.5	1.0	ND	5.0	2.8	0.5	3.1	2.5		
Toluene	9.0	1.0	74.1	5.0	6.2	0.5	7.3	2.5		
1,2,4-Trichlorobenzene	ND	1.0	ND	5.0	ND	0.5	ND	2.5		
1,1,1-Trichloroethane	ND	1.0	ND	5.0	ND	0.5	ND	2.5		
1,1,2-Trichloroethane	ND	1.0	ND	5.0	ND	0.5	ND	2.5		
Trichloroethene	6.2	1.0	ND	5.0	4.1	0.5	5.9	2.5		
Trichlorofluoromethane	ND	1.0	ND	5.0	ND	0.5	ND	2.5		
1,1,2-Trichlorotrifluoroethane	ND	1.0	ND	5.0	ND	0.5	ND	2.5		
Vinyl Chloride	8.0	1.0	8.9	5.0	25.4	0.5	7.6	2.5		
Total Xylenes	65.3	1.0	3937.1	5.0	36.0	0.5	65.8	2.5		

Surrogate Compounds	% Surrogate Recovery (70-130)			
Dibromofluoromethane	101	98	99	99
1,2-Dichloroethane-d4	97	95	92	93
Toluene-D8	101	98	97	98
4-Bromofluorobenzene	90	91	93	93

ND = Not detected at the indicated reporting limit; DF = Dilution Factor; RL = Reporting limit.

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# CHEMICAL & ENVIRONMENTAL LABORATORIES, INC.

## ANALYTICAL REPORT

--- EPA 8260B (Oxygenated Compounds) ---

Client Name: Pinnacle Env. Technologies  
Project Manager: Keith Thompson  
Project Name: Piper Tech Center  
Sample Matrix: Water

Date Sampled: 03/21/16  
Date Analyzed: 03/22/16  
Date Reported: 03/28/16  
Unit Reported: µg/L or ppb

C&E LAB ID	160321B-11	160321B-12	160321B-13	160321B-14	
SAMPLE ID	MW-10	MW-11	MW-12	MW-13	
DF	2	10	1	5	

COMPOUND	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Ethyl Tertiary Butyl Ether	ND	2.0	ND	10.0	ND	1.0	ND	5.0		
Tertiary Amyl Methyl Ether	ND	2.0	ND	10.0	ND	1.0	ND	5.0		
Diisopropyl Ether	ND	2.0	ND	10.0	ND	1.0	ND	5.0		
Tertiary Butyl Alcohol	ND	20.0	ND	100.0	ND	10.0	ND	50.0		
MTBE	ND	2.0	ND	10.0	ND	1.0	ND	5.0		

ND = Not detected at the indicated reporting limit; DF = Dilution Factor; RL = Reporting limit.

MI = Matrix Interference; unquantifiable due to coeluting organics in sample.

# CHEMICAL & ENVIRONMENTAL LABORATORIES, INC.

## ANALYTICAL REPORT

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--- EPA 8270C (SVOCs) ---

Client Name: Pinnacle Env. Technologies  
 Project Manager: Keith Thompson  
 Project Name: Piper Tech Center  
 Sample Matrix: Water

Date Sampled: 03/21/16  
 Date Extracted: 03/23/16  
 Date Analyzed: 03/24/16  
 Date Reported: 03/28/16

C&E LAB ID	160321B-1	160321B-2	160321B-3	160321B-4	160321B-5
SAMPLE ID	MW-1	MW-2	MW-3	MW-4	MW-5
DF	1	1	10	1	1

Unit Reported: µg/L or ppb

COMPOUND	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
N-nitrosodimethylamine	ND	10	ND	10	ND	100	ND	10	ND	10
Bis (2-Chloroethyl) Ether	ND	10	ND	10	ND	100	ND	10	ND	10
2-Chlorophenol	ND	10	ND	10	ND	100	ND	10	ND	10
Phenol	ND	10	ND	10	ND	100	ND	10	ND	10
1,3-Dichlorobenzene	ND	10	ND	10	ND	100	ND	10	ND	10
1,4-Dichlorobenzene	ND	10	ND	10	ND	100	ND	10	ND	10
1,2-Dichlorobenzene	ND	10	ND	10	ND	100	ND	10	ND	10
Bis (2-Chloroisopropyl) Ether	ND	10	ND	10	ND	100	ND	10	ND	10
Hexachloroethane	ND	10	ND	10	ND	100	ND	10	ND	10
2-Methyl Phenol	ND	10	ND	10	ND	100	ND	10	ND	10
N-Nitrosodi-N-Propylamine	ND	10	ND	10	ND	100	ND	10	ND	10
4-Methylphenol	ND	10	ND	10	ND	100	ND	10	ND	10
Nitrobenzene	ND	10	ND	10	ND	100	ND	10	ND	10
Isophorone	ND	10	ND	10	ND	100	ND	10	ND	10
2-Nitrophenol	ND	10	ND	10	ND	100	ND	10	ND	10
2,4-Dimethylphenol	ND	10	ND	10	ND	100	ND	10	ND	10
Bis (2-Chloroethoxy) Methane	ND	10	ND	10	ND	100	ND	10	ND	10
2,4-Dichlorophenol	ND	10	ND	10	ND	100	ND	10	ND	10
1,2,4-Trichlorobenzene	ND	10	ND	10	ND	100	ND	10	ND	10
Naphthalene	ND	10	ND	10	411	100	ND	10	32.7	10
4-Chloroaniline	ND	10	ND	10	ND	100	ND	10	ND	10
Hexachlorobutadiene	ND	10	ND	10	ND	100	ND	10	ND	10
2-Methylnaphthalene	ND	10	ND	10	ND	100	ND	10	ND	10
4-Chloro-3-Methylphenol	ND	10	ND	10	ND	100	ND	10	ND	10
Hexachlorocyclopentadiene	ND	10	ND	10	ND	100	ND	10	ND	10
2,4,6-Trichlorophenol	ND	10	ND	10	ND	100	ND	10	ND	10
2,4,5-Trichlorophenol	ND	10	ND	10	ND	100	ND	10	ND	10
2-Chloronaphthalene	ND	10	ND	10	ND	100	ND	10	ND	10
2-Nitroaniline	ND	10	ND	10	ND	100	ND	10	ND	10
Acenaphthylene	ND	10	ND	10	ND	100	ND	10	ND	10
Dimethyl Phthalate	ND	10	ND	10	ND	100	ND	10	ND	10
2,6-Dinitrotoluene	ND	10	ND	10	ND	100	ND	10	ND	10
Acenaphthene	ND	10	ND	10	ND	100	ND	10	80.1	10
3-Nitroaniline	ND	10	ND	10	ND	100	ND	10	ND	10
4-Nitrophenol	ND	10	ND	10	ND	100	ND	10	ND	10
Dibenzofuran	ND	10	ND	10	ND	100	ND	10	ND	10

To be continued on page 2

# CHEMICAL & ENVIRONMENTAL LABORATORIES, INC.

## ANALYTICAL REPORT

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--- EPA 8270C (SVOCs) ---

Client Name: Pinnacle Env. Technologies  
 Project Manager: Keith Thompson  
 Project Name: Piper Tech Center  
 Sample Matrix: Water

Date Sampled: 03/21/16  
 Date Extracted: 03/23/16  
 Date Analyzed: 03/24/16  
 Date Reported: 03/28/16

C&E LAB ID	160321B-1	160321B-2	160321B-3	160321B-4	160321B-5
SAMPLE ID	MW-1	MW-2	MW-3	MW-4	MW-5
DF	1	1	10	1	1

Unit Reported: µg/L or ppb

COMPOUND	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
2,4-Dinitrotoluene	ND	10	ND	10	ND	100	ND	10	ND	10
2,4-Dinitrophenol	ND	10	ND	10	ND	100	ND	10	ND	10
Fluorene	ND	10	ND	10	ND	100	ND	10	65.7	10
4-Chlorophenyl Phenyl Ether	ND	10	ND	10	ND	100	ND	10	ND	10
Diethylphthalate	ND	10	ND	10	ND	100	ND	10	ND	10
4-Nitroaniline	ND	10	ND	10	ND	100	ND	10	ND	10
Azobenzene	ND	10	ND	10	ND	100	ND	10	ND	10
2-Methyl-4,6-Dinitrophenol	ND	10	ND	10	ND	100	ND	10	ND	10
4-Bromophenyl Phenyl Ether	ND	10	ND	10	ND	100	ND	10	ND	10
Hexachlorobenzene	ND	10	ND	10	ND	100	ND	10	ND	10
Pentachlorophenol	ND	10	ND	10	ND	100	ND	10	ND	10
Phenanthrene	ND	10	ND	10	ND	100	ND	10	35.2	10
Anthracene	ND	10	ND	10	ND	100	ND	10	19.3	10
Carbazole	ND	10	ND	10	ND	100	ND	10	ND	10
Di-N-Butylphthalate	ND	10	ND	10	ND	100	ND	10	ND	10
Fluoranthene	ND	10	ND	10	ND	100	ND	10	ND	10
Pyrene	ND	10	ND	10	ND	100	ND	10	11.3	10
Butylbenzylphthalate	ND	10	ND	10	ND	100	ND	10	ND	10
Benzo(a)Anthracene	ND	10	ND	10	ND	100	ND	10	ND	10
Chrysene	ND	10	ND	10	ND	100	ND	10	ND	10
Bis (2-Ethylhexyl) Phthalate	ND	10	ND	10	ND	100	ND	10	ND	10
Di-N-Octylphthalate	ND	10	ND	10	ND	100	ND	10	ND	10
Benzo (b) Fluoranthene	ND	10	ND	10	ND	100	ND	10	ND	10
Benzo (k) Fluoranthene	ND	10	ND	10	ND	100	ND	10	ND	10
Benzo (a) Pyrene	ND	10	ND	10	ND	100	ND	10	ND	10
Indeno (1,2,3-c,d) Pyrene	ND	10	ND	10	ND	100	ND	10	ND	10
Dibenzo (a,h) Anthracene	ND	10	ND	10	ND	100	ND	10	ND	10
Benzo (g,h,i) Perylene	ND	10	ND	10	ND	100	ND	10	ND	10

Surrogate Compounds	% Surrogate Recovery (40-140)				
2-Fluorophenol	75	75	88	71	120
Phenol-d5	89	87	89	86	130
Nitrobenzene-d5	86	86	88	91	97
2-Fluorobiphenyl	99	96	89	101	93
2,4,6-tribromophenol	115	119	0*	14*	0*
p-terphenyl-d14	107	107	106	114	102

ND = Not detected at the indicated reporting limit; DF = Dilution Factor; RL = Reporting limit.

MI = Matrix Interference; unquantifiable due to coeluting organics in sample.

\*=Surrogate fail due to matrix interference (if marked)

# CHEMICAL & ENVIRONMENTAL LABORATORIES, INC.

## ANALYTICAL REPORT

Page 1 of 2

--- EPA 8270C (SVOCs) ---

Client Name: Pinnacle Env. Technologies  
 Project Manager: Keith Thompson  
 Project Name: Piper Tech Center  
 Sample Matrix: Water

Date Sampled: 03/21/16  
 Date Extracted: 03/23/16  
 Date Analyzed: 03/24/16  
 Date Reported: 03/28/16

C&E LAB ID	160321B-6	160321B-7	160321B-8	160321B-9	160321B-10
SAMPLE ID	MW-5 Dup	MW-6	MW-7	MW-8	MW-9
DF	1	1	1	1	1

Unit Reported: µg/L or ppb

COMPOUND	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
N-nitrosodimethylamine	ND	10	ND	10	ND	10	ND	10	ND	10
Bis (2-Chloroethyl) Ether	ND	10	ND	10	ND	10	ND	10	ND	10
2-Chlorophenol	ND	10	ND	10	ND	10	ND	10	ND	10
Phenol	ND	10	ND	10	ND	10	ND	10	ND	10
1,3-Dichlorobenzene	ND	10	ND	10	ND	10	ND	10	ND	10
1,4-Dichlorobenzene	ND	10	ND	10	ND	10	ND	10	ND	10
1,2-Dichlorobenzene	ND	10	ND	10	ND	10	ND	10	ND	10
Bis (2-Chloroisopropyl) Ether	ND	10	ND	10	ND	10	ND	10	ND	10
Hexachloroethane	ND	10	ND	10	ND	10	ND	10	ND	10
2-Methyl Phenol	ND	10	ND	10	ND	10	ND	10	ND	10
N-Nitrosodi-N-Propylamine	ND	10	ND	10	ND	10	ND	10	ND	10
4-Methylphenol	ND	10	ND	10	ND	10	ND	10	ND	10
Nitrobenzene	ND	10	ND	10	ND	10	ND	10	ND	10
Isophorone	ND	10	ND	10	ND	10	ND	10	ND	10
2-Nitrophenol	ND	10	ND	10	ND	10	ND	10	ND	10
2,4-Dimethylphenol	ND	10	ND	10	ND	10	ND	10	ND	10
Bis (2-Chloroethoxy) Methane	ND	10	ND	10	ND	10	ND	10	ND	10
2,4-Dichlorophenol	ND	10	ND	10	ND	10	ND	10	ND	10
1,2,4-Trichlorobenzene	ND	10	ND	10	ND	10	ND	10	ND	10
Naphthalene	ND	10	11.3	10	ND	10	ND	10	40.5	10
4-Chloroaniline	ND	10	ND	10	ND	10	ND	10	ND	10
Hexachlorobutadiene	ND	10	ND	10	ND	10	ND	10	ND	10
2-Methylnaphthalene	ND	10	ND	10	ND	10	ND	10	ND	10
4-Chloro-3-Methylphenol	ND	10	ND	10	ND	10	ND	10	ND	10
Hexachlorocyclopentadiene	ND	10	ND	10	ND	10	ND	10	ND	10
2,4,6-Trichlorophenol	ND	10	ND	10	ND	10	ND	10	ND	10
2,4,5-Trichlorophenol	ND	10	ND	10	ND	10	ND	10	ND	10
2-Chloronaphthalene	ND	10	ND	10	ND	10	ND	10	ND	10
2-Nitroaniline	ND	10	ND	10	ND	10	ND	10	ND	10
Acenaphthylene	ND	10	ND	10	ND	10	ND	10	ND	10
Dimethyl Phthalate	ND	10	ND	10	ND	10	ND	10	ND	10
2,6-Dinitrotoluene	ND	10	ND	10	ND	10	ND	10	ND	10
Acenaphthene	78.4	10	ND	10	42.2	10	ND	10	12.2	10
3-Nitroaniline	ND	10	ND	10	ND	10	ND	10	ND	10
4-Nitrophenol	ND	10	ND	10	ND	10	ND	10	ND	10
Dibenzofuran	ND	10	ND	10	ND	10	ND	10	ND	10

To be continued on page 2

# CHEMICAL & ENVIRONMENTAL LABORATORIES, INC.

## ANALYTICAL REPORT

Page 2 of 2

--- EPA 8270C (SVOCs) ---

Client Name: Pinnacle Env. Technologies  
 Project Manager: Keith Thompson  
 Project Name: Piper Tech Center  
 Sample Matrix: Water

Date Sampled: 03/21/16  
 Date Extracted: 03/23/16  
 Date Analyzed: 03/24/16  
 Date Reported: 03/28/16

C&E LAB ID	160321B-6	160321B-7	160321B-8	160321B-9	160321B-10
SAMPLE ID	MW-5 Dup	MW-6	MW-7	MW-8	MW-9
DF	1	1	1	1	1

Unit Reported: µg/L or ppb

COMPOUND	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
2,4-Dinitrotoluene	ND	10	ND	10	ND	10	ND	10	ND	10
2,4-Dinitrophenol	ND	10	ND	10	ND	10	ND	10	ND	10
Fluorene	65.6	10	ND	10	58.6	10	ND	10	12.6	10
4-Chlorophenyl Phenyl Ether	ND	10	ND	10	ND	10	ND	10	ND	10
Diethylphthalate	ND	10	ND	10	ND	10	ND	10	ND	10
4-Nitroaniline	ND	10	ND	10	ND	10	ND	10	ND	10
Azobenzene	ND	10	ND	10	ND	10	ND	10	ND	10
2-Methyl-4,6-Dinitrophenol	ND	10	ND	10	ND	10	ND	10	ND	10
4-Bromophenyl Phenyl Ether	ND	10	ND	10	ND	10	ND	10	ND	10
Hexachlorobenzene	ND	10	ND	10	ND	10	ND	10	ND	10
Pentachlorophenol	ND	10	ND	10	ND	10	ND	10	ND	10
Phenanthrene	35.9	10	ND	10	ND	10	ND	10	ND	10
Anthracene	20.6	10	ND	10	22.0	10	ND	10	ND	10
Carbazole	ND	10	ND	10	ND	10	ND	10	ND	10
Di-N-Butylphthalate	ND	10	ND	10	ND	10	ND	10	ND	10
Fluoranthene	ND	10	ND	10	ND	10	ND	10	ND	10
Pyrene	1.1	10	ND	10	15.6	10	ND	10	ND	10
Butylbenzylphthalate	ND	10	ND	10	ND	10	ND	10	ND	10
Benzo(a)Anthracene	ND	10	ND	10	ND	10	ND	10	ND	10
Chrysene	ND	10	ND	10	ND	10	ND	10	ND	10
Bis (2-Ethylhexyl) Phthalate	ND	10	ND	10	ND	10	ND	10	ND	10
Di-N-Octylphthalate	ND	10	ND	10	ND	10	ND	10	ND	10
Benzo (b) Fluoranthene	ND	10	ND	10	ND	10	ND	10	ND	10
Benzo (k) Fluoranthene	ND	10	ND	10	ND	10	ND	10	ND	10
Benzo (a) Pyrene	ND	10	ND	10	ND	10	ND	10	ND	10
Indeno (1,2,3-c,d) Pyrene	ND	10	ND	10	ND	10	ND	10	ND	10
Dibenzo (a,h) Anthracene	ND	10	ND	10	ND	10	ND	10	ND	10
Benzo (g,h,i) Perylene	ND	10	ND	10	ND	10	ND	10	ND	10

Surrogate Compounds	% Surrogate Recovery (40-140)				
2-Fluorophenol	122	109	104	61	64
Phenol-d5	127	110	106	77	77
Nitrobenzene-d5	100	97	94	82	80
2-Fluorobiphenyl	97	94	0*	89	90
2,4,6-tribromophenol	0*	0*	0*	0*	0*
p-terphenyl-d14	105	104	101	102	101

ND = Not detected at the indicated reporting limit; DF = Dilution Factor; RL = Reporting limit.

MI = Matrix Interference; unquantifiable due to coeluting organics in sample.

\*=Surrogate fail due to matrix interference (if marked)

# CHEMICAL & ENVIRONMENTAL LABORATORIES, INC.

## ANALYTICAL REPORT

Page 1 of 2

--- EPA 8270C (SVOCs) ---

Client Name: Pinnacle Env. Technologies  
 Project Manager: Keith Thompson  
 Project Name: Piper Tech Center  
 Sample Matrix: Water

Date Sampled: 03/21/16  
 Date Extracted: 03/23/16  
 Date Analyzed: 03/24/16  
 Date Reported: 03/28/16

C&E LAB ID	160321B-11	160321B-12	160321B-13	160321B-14	
SAMPLE ID	MW-10	MW-11	MW-12	MW-13	
DF	1	40	1	1	

Unit Reported: µg/L or ppb

COMPOUND	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
N-nitrosodimethylamine	ND	10	ND	400	ND	10	ND	10		
Bis (2-Chloroethyl) Ether	ND	10	ND	400	ND	10	ND	10		
2-Chlorophenol	ND	10	ND	400	ND	10	ND	10		
Phenol	ND	10	ND	400	ND	10	ND	10		
1,3-Dichlorobenzene	ND	10	ND	400	ND	10	ND	10		
1,4-Dichlorobenzene	ND	10	ND	400	ND	10	ND	10		
1,2-Dichlorobenzene	ND	10	ND	400	ND	10	ND	10		
Bis (2-Chloroisopropyl) Ether	ND	10	ND	400	ND	10	ND	10		
Hexachloroethane	ND	10	ND	400	ND	10	ND	10		
2-Methyl Phenol	ND	10	ND	400	ND	10	ND	10		
N-Nitrosodi-N-Propylamine	ND	10	ND	400	ND	10	ND	10		
4-Methylphenol	ND	10	ND	400	ND	10	ND	10		
Nitrobenzene	ND	10	ND	400	ND	10	ND	10		
Isophorone	ND	10	ND	400	ND	10	ND	10		
2-Nitrophenol	ND	10	ND	400	ND	10	ND	10		
2,4-Dimethylphenol	ND	10	ND	400	ND	10	ND	10		
Bis (2-Chloroethoxy) Methane	ND	10	ND	400	ND	10	ND	10		
2,4-Dichlorophenol	ND	10	ND	400	ND	10	ND	10		
1,2,4-Trichlorobenzene	ND	10	ND	400	ND	10	ND	10		
Naphthalene	ND	10	2410	400	ND	10	ND	10		
4-Chloroaniline	ND	10	ND	400	ND	10	ND	10		
Hexachlorobutadiene	ND	10	ND	400	ND	10	ND	10		
2-Methylnaphthalene	ND	10	ND	400	ND	10	ND	10		
4-Chloro-3-Methylphenol	ND	10	ND	400	ND	10	ND	10		
Hexachlorocyclopentadiene	ND	10	ND	400	ND	10	ND	10		
2,4,6-Trichlorophenol	ND	10	ND	400	ND	10	ND	10		
2,4,5-Trichlorophenol	ND	10	ND	400	ND	10	ND	10		
2-Chloronaphthalene	ND	10	ND	400	ND	10	ND	10		
2-Nitroaniline	ND	10	ND	400	ND	10	ND	10		
Acenaphthylene	ND	10	ND	400	ND	10	ND	10		
Dimethyl Phthalate	ND	10	ND	400	ND	10	ND	10		
2,6-Dinitrotoluene	ND	10	ND	400	ND	10	ND	10		
Acenaphthene	101	10	ND	400	51.0	10	71.4	10		
3-Nitroaniline	ND	10	ND	400	ND	10	ND	10		
4-Nitrophenol	ND	10	ND	400	ND	10	ND	10		
Dibenzofuran	ND	10	ND	400	ND	10	ND	10		

To be continued on page 2

# CHEMICAL & ENVIRONMENTAL LABORATORIES, INC.

## ANALYTICAL REPORT

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--- EPA 8270C (SVOCs) ---

Client Name: Pinnacle Env. Technologies  
 Project Manager: Keith Thompson  
 Project Name: Piper Tech Center  
 Sample Matrix: Water

Date Sampled: 03/21/16  
 Date Extracted: 03/23/16  
 Date Analyzed: 03/24/16  
 Date Reported: 03/28/16

C&E LAB ID	160321B-11	160321B-12	160321B-13	160321B-14	
SAMPLE ID	MW-10	MW-11	MW-12	MW-13	
DF	1	40	1	1	

Unit Reported: µg/L or ppb

COMPOUND	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
2,4-Dinitrotoluene	ND	10	ND	400	ND	10	ND	10		
2,4-Dinitrophenol	ND	10	ND	400	ND	10	ND	10		
Fluorene	84.7	10	ND	400	71.7	10	67.4	10		
4-Chlorophenyl Phenyl Ether	ND	10	ND	400	ND	10	ND	10		
Diethylphthalate	ND	10	ND	400	ND	10	ND	10		
4-Nitroaniline	ND	10	ND	400	ND	10	ND	10		
Azobenzene	ND	10	ND	400	ND	10	ND	10		
2-Methyl-4,6-Dinitrophenol	ND	10	ND	400	ND	10	ND	10		
4-Bromophenyl Phenyl Ether	ND	10	ND	400	ND	10	ND	10		
Hexachlorobenzene	ND	10	ND	400	ND	10	ND	10		
Pentachlorophenol	ND	10	ND	400	ND	10	ND	10		
Phenanthrene	86.6	10	ND	400	98.9	10	58.3	10		
Anthracene	19.4	10	ND	400	17.1	10	11.8	10		
Carbazole	ND	10	ND	400	ND	10	ND	10		
Di-N-Butylphthalate	ND	10	ND	400	ND	10	ND	10		
Fluoranthene	ND	10	ND	400	ND	10	ND	10		
Pyrene	ND	10	ND	400	ND	10	ND	10		
Butylbenzylphthalate	ND	10	ND	400	ND	10	ND	10		
Benzo(a)Anthracene	ND	10	ND	400	ND	10	ND	10		
Chrysene	ND	10	ND	400	ND	10	ND	10		
Bis (2-Ethylhexyl) Phthalate	ND	10	ND	400	ND	10	ND	10		
Di-N-Octylphthalate	ND	10	ND	400	ND	10	ND	10		
Benzo (b) Fluoranthene	ND	10	ND	400	ND	10	ND	10		
Benzo (k) Fluoranthene	ND	10	ND	400	ND	10	ND	10		
Benzo (a) Pyrene	ND	10	ND	400	ND	10	ND	10		
Indeno (1,2,3-c,d) Pyrene	ND	10	ND	400	ND	10	ND	10		
Dibenzo (a,h) Anthracene	ND	10	ND	400	ND	10	ND	10		
Benzo (g,h,i) Perylene	ND	10	ND	400	ND	10	ND	10		

Surrogate Compounds	% Surrogate Recovery (40-140)			
2-Fluorophenol	64	66	101	96
Phenol-d5	77	77	96	94
Nitrobenzene-d5	80	82	90	89
2-Fluorobiphenyl	90	89	102	91
2,4,6-tribromophenol	0*	0*	0*	0*
p-terphenyl-d14	101	101	160*	100

ND = Not detected at the indicated reporting limit; DF = Dilution Factor; RL = Reporting limit.

MI = Matrix Interference; unquantifiable due to coeluting organics in sample.

\*=Surrogate fail due to matrix interference (if marked)

# CHEMICAL & ENVIRONMENTAL LABORATORIES, INC.

## QC REPORT

--- 8015M (Diesel) ---

### I. Laboratory Control Sample

Date Analyzed: 03/21/16

LCS ID: TPH160321LC

ANALYTE	LCS %	ACP %CL
Diesel	85	70-130

### II. Matrix Spike/Matrix Spike Duplicate

Date Analyzed: 03/21/16

QC Batch : TPH160321MS

ANALYTE	MS %	MSD %	RPD	ACP%CL	ACP RPD
Diesel	72	79	9	70-130	20

### III. Method Blank

Date Analyzed: 03/21/16

Unit: mg/L

COMPOUND	REPORTING LIMIT	RESULT
Diesel	0.5	ND

Surrogate Compounds	% Surr. Rec. (70-130)
BFB	97

ND = Not detected at the indicated reporting limit.



# CHEMICAL & ENVIRONMENTAL LABORATORIES, INC.

## QC REPORT

--- EPA 8260B (VOC) ---

### I. Laboratory Control Sample

Date Analyzed: 03/22/16

LCS ID: VOC160322LC

ANALYTE	LCS %	ACP %CL
1,1-Dichloroethene	105	70-130
Benzene	100	70-130
Trichloroethene	100	70-130
Toluene	100	70-130
Chlorobenzene	95	70-130

### II. Matrix Spike/Matrix Spike Duplicate

Date Analyzed: 03/22/16

QC Batch: VOC160322MS

ANALYTE	MS %	MSD %	RPD	ACP%CL	ACP RPD
1,1-Dichloroethene	105	105	0	70-130	20
Benzene	100	100	0	70-130	20
Trichloroethene	100	95	5	70-130	20
Toluene	100	100	0	70-130	20
Chlorobenzene	100	100	0	70-130	20

### III. Method Blank

Date Analyzed: 03/22/16

Unit: µg/L

COMPOUND	Reporting Limit	RESULT
Acetone	2	ND
Benzene	0.5	ND
Bromodichloromethane	1	ND
Bromoform	1	ND
Bromomethane	1	ND
2-Butanone (MEK)	1	ND
Carbon Disulfide	1	ND
Carbon Tetrachloride	0.5	ND
Chlorobenzene	0.5	ND
Chloroethane	1	ND
Chloroform	1	ND
Chloromethane	1	ND
Cyclohexane	0.5	ND
Dibromochloromethane	1	ND
1,2-Dibromo-3-Chloropropane	1	ND
1,2-Dibromoethane	1	ND

COMPOUND	Reporting Limit	RESULT
1,2-Dichlorobenzene	0.5	ND
1,3-Dichlorobenzene	0.5	ND
1,4-Dichlorobenzene	0.5	ND
Dichlorodifluoromethane	1	ND
1,1-Dichloroethane	0.5	ND
1,2-Dichloroethane	0.5	ND
1,1-Dichloroethene	0.5	ND
cis-1,2-Dichloroethene	0.5	ND
trans-1,2-Dichloroethene	0.5	ND
1,2-Dichloropropane	0.5	ND
trans-1,3-Dichloropropene	0.5	ND
cis-1,3-Dichloropropene	0.5	ND
Ethylbenzene	0.5	ND
2-Hexanone	0.5	ND
Methyl Acetate	0.5	ND
Methylcyclohexane	0.5	ND

COMPOUND	Reporting Limit	RESULT
Methylene Chloride	0.5	ND
4-Methyl-2-Pentanone	0.5	ND
Styrene	0.5	ND
Isopropylbenzene	0.5	ND
4-Isopropyltoluene	0.5	ND
1,1,2,2-Tetrachloroethane	0.5	ND
Tetrachloroethene	0.5	ND
Toluene	0.5	ND
1,2,4-Trichlorobenzene	0.5	ND
1,1,1-Trichloroethane	0.5	ND
1,1,2-Trichloroethane	0.5	ND
Trichloroethene	0.5	ND
Trichlorofluoromethane	0.5	ND
1,1,2-Trichlorotrifluoroethane	0.5	ND
Vinyl Chloride	1	ND
Total Xylenes	0.5	ND

Surrogate Compounds	% Surr. Rec. (70-130)
Dibromofluoromethane	104
1,2-Dichloroethane-d4	97
Toluene-D8	100
4-Bromofluorobenzene	102

ND = Not detected at the indicated reporting limit.

# CHEMICAL & ENVIRONMENTAL LABORATORIES, INC.

## QC REPORT

--- EPA 8270C (SVOC) ---

### I. Laboratory Control Sample

Date Extracted: 03/23/16

Date Analyzed: 03/24/16

LCS ID: SVOC160323CW

ANALYTE	LCS %	ACP %CL
Phenol	111	40-150
1,4-Dichlorobenzene	105	40-150
2,4-Dichlorophenol	109	40-150
Hexachlorobutadiene	103	40-150
4-Chloro-3-methylphenol	97	40-150
Fluoranthene	106	40-150

### II. Matrix Spike/Matrix Spike Duplicate

Date Extracted: 03/23/16

Date Analyzed: 03/24/16

QC Batch #: SVOC160323MS

ANALYTE	MS %	MSD %	RPD	ACP %CL	ACP RPD
Phenol	90	110	20	40-150	30
Pyrene	100	118	17	40-150	30

# CHEMICAL & ENVIRONMENTAL LABORATORIES, INC.

## QC REPORT

--- EPA 8270C (SVOC) ---

### III. Method Blank

Date Extracted: 03/23/16

Date Analyzed: 03/24/16

Unit: µg/L

COMPOUND	Reporting Limit	RESULT
N-nitrosodimethylamine	10	ND
Bis (2-Chloroethyl) Ether	10	ND
2-Chlorophenol	10	ND
Phenol	10	ND
1,3-Dichlorobenzene	10	ND
1,4-Dichlorobenzene	10	ND
1,2-Dichlorobenzene	10	ND
Bis (2-Chloroisopropyl) Ether	10	ND
Hexachloroethane	10	ND
2-Methyl Phenol	10	ND
N-Nitrosodi-N-Propylamine	10	ND
4-Methylphenol	10	ND
Nitrobenzene	10	ND
Isophorone	10	ND
2-Nitrophenol	10	ND
2,4-Dimethylphenol	10	ND
Bis (2-Chloroethoxy) Methane	10	ND
2,4-Dichlorophenol	10	ND
1,2,3-Trichlorobenzene	10	ND
Naphthalene	10	ND
4-Chloroaniline	10	ND
Hexachlorobutadiene	10	ND
1-Methylnaphthalene	10	ND
4-Chloro-3-Methylphenol	10	ND
Hexachlorocyclopentadiene	10	ND
2,4,6-Trichlorophenol	10	ND
2,3,4-Trichlorophenol	10	ND
1-Chloronaphthalene	10	ND
2-Nitroaniline	10	ND
Acenaphthylene	10	ND
Dimethyl Phthalate	10	ND
2,6-Dinitrotoluene	10	ND
Acenaphthene	10	ND
3-Nitroaniline	10	ND
4-Nitrophenol	10	ND
Dibenzofuran	10	ND

COMPOUND	Reporting Limit	RESULT
2,4-Dinitrotoluene	10	ND
2,4-Dinitrophenol	10	ND
Fluorene	10	ND
4-Chlorophenyl Phenyl Ether	10	ND
Diethylphthalate	10	ND
4-Nitroaniline	10	ND
Azobenzene	10	ND
4,6-Dinitro-2-Methyl Phenol	10	ND
4-Bromophenyl Phenyl Ether	10	ND
Hexachlorobenzene	10	ND
Pentachlorophenol	10	ND
Phenanthrene	10	ND
Anthracene	10	ND
Carbazole	10	ND
Di-N-Butylphthalate	10	ND
Fluoranthene	10	ND
Pyrene	10	ND
Butylbenzylphthalate	10	ND
Benzo(a)Anthracene	10	ND
Chrysene	10	ND
Bis (2-Ethylhexyl) Phthalate	10	ND
Di-N-Octylphthalate	10	ND
Benzo (b) Fluoranthene	10	ND
Benzo (k) Fluoranthene	10	ND
Benzo (a) Pyrene	10	ND
Indeno (1,2,3-c,d) Pyrene	10	ND
Dibenzo (a,h) Anthracene	10	ND
Benzo (g,h,i) Perylene	10	ND

Surrogate Compounds	% Surr Rec (40-140)
2-Fluorophenol	104
Phenol-d5	103
Nitrobenzene-d5	95
2-Fluorobiphenyl	100
2,4,6-tribromophenol	87
p-terphenyl-d14	114

# CHAIN OF CUSTODY RECORD

160321B



Site: Pipe Tech Center  
 Address: 555 Ramirez  
Los Angeles CA

Project Manager:  MALVEY  THOMPSON  
 Sampled By:  MALVEY  THOMPSON  
 Laboratory: CPE

TAT: NORM 24HR - 48HR  
 LARWQCB EDF YES/NO  
 Page 1 of 1

PINNACLE SAMPLE ID	LABORATORY ID	Sample Time	Sample Date	Sample Matrix	J=Jar T=Tube V=VOA	EPA 5035 (EnCore)	TPH G/D/VO EPA 8015M	TRPH EPA 418.1	VOC EPA 8260B	Oxygenates EPA 8260B	SVOC EPA 8270C	Pesticides PCB's EPA 8081/8082	Title 22 Metals			
MW-1			3/21/16	GW	2VOA,1		X		X	X	X					
MW-2																
MW-3																
MW-4																
MW-5																
MW-5 Dup																
MW-6																
MW-7																
MW-8																
MW-9																
MW-10																
MW-11																
MW-12																
MW-13																

Relinquished By: [Signature] Date/Time: 3/21/16 Received By: Grace Wang Date/Time: 3/21/16  
 Relinquished By: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received By: \_\_\_\_\_ Date/Time: \_\_\_\_\_

NOTES:

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## **J-68 - Parker Center, 151 Judge John Aiso Street**

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**UNDERGROUND STORAGE TANK  
LOW RISK CASE REVIEW FORM**

Case reviewer: Arman Toumari <i>AT</i>	Unit Chief: Yi Lu <i>[Signature]</i>	Section Chief: Yue Rong <i>YR</i>	AEO: Paula Rasmussen <i>PR</i>	EO: Samuel Unger <i>SU</i>
Date: <i>11/1/12</i>	Date: <i>11/2/12</i>	Date: <i>11-6-12</i>	Date: <i>11-8-12</i>	Date: <i>11-14-12</i>

LUSTIS File No.: 900120352	Investigation and Cleanup Priority: D-1		
Site Name/Address: Parker Center 151 Judge John Aiso Los Angeles, CA 90012	Responsible parties: John Cotti Attn: Ed Pitts	Address: 200 N. Main St. RM 800 CHE Los Angeles, CA 90012	Phone no.: 213-485-7527

**I. CASE INFORMATION (N/A = Not Applicable)**

Tank No.	Size in Gallons	Contents	Closed in-place/Removed/Active?	Date
1-4	Unknown	Unknown	Removed	1999
5-6	10,000	Gasoline	Removed	N/A
7	1,000	Waste-Oil	Active	N/A
8-9	2,000	Diesel	Active	N/A

**II. SITE CHARACTERIZATION INFORMATION (GW=groundwater)**

GW Basin: Los Angeles	Beneficial uses: Mun, Ind, Proc, Agr	Water purveyor in the area: City of Los Angeles
Distance to nearest municipal supply well: 14,319 feet		Water purveyor contact: Joe Porras
GW highest depth: 22.82 ft. bgs	GW lowest depth: 38.25 ft. bgs	Well screen interval: 15 - 43 ft bgs
Soil types: silty sand with gravel, sand with gravel		Flow direction: Northwest
Maximum soil depth sampled (ft): 43 feet bgs		

**III. SITE INSPECTION**

Pre-closure site inspection date: N/A	Is there sensitive receptor next to the site (school, church, hospital, kindergarten etc.)? If yes, brief description: No, as per Google maps search
---------------------------------------	---

**IV. MAXIMUM DOCUMENTED CONTAMINANT CONCENTRATIONS -- Initial and Latest**

Contaminant	Soil (mg/kg)		EPA SLs*		Soil Screening Levels (mg/kg)** Depth to gw (ft) = 29 Type of soil = Sand	Water (µg/L)		MGLs/NL (µg/L)
	Initial (1999)	Latest (2/2012)	Residential (mg/kg)	Industrial (mg/kg)		Initial (10/2000)	Latest (5/2012)	
TPH (Gas)	1,570	ND	NE	NE	500	81,256	ND	NE
TPH (Diesel)	NA	ND	NE	NE	1,000	ND	NA	NE
Benzene	0.075	0.0039	1.1	5.4	0.011	151	ND	1
Toluene	NA	0.0016	5,000	45,000	0.3	475	ND	150
Ethylbenzene	NA	ND	5.4	27	0.7	ND	ND	300
Xylenes	NA	ND	630	2,700	1.75	228	ND	1,750
Methyl tertiary butyl ether (MTBE)	0.497	ND	43	220	0.013	79,990	2.5	13 (Primary) 5 (Secondary)
Di-isopropyl ether (DIPE)	NA	ND	2,400	10,000	NE	ND	ND	NE
Ethyl tertiary butyl ether (ETBE)	NA	ND	NE	NE	NE	ND	ND	NE
Tertiary amyl methyl ether (TAME)	NA	ND	NE	NE	NE	309	ND	NE
Tertiary butyl alcohol (TBA)	NA	ND	NE	NE	NE	ND	ND	12 (NL)
Ethanol	NA	ND	NE	NE	NE	NA	NA	NE

NE = Not Established. NL = Notification Level. ND = Non-Detect; NRQ = Not Required; NA = Not Analyzed

# = California UST Low-Threat Policy numbers for 0-5 feet.

\* SLs = USEPA Risk-Based Screening Levels (November 2011). \*\* Please see Table 4 -1



Site Name/Address: Parker Center, 151 Judge John Aiso Street, Los Angeles, CA 90012

Staff Initial: AT

#### V. FREE PRODUCT

Was free product encountered? Yes      Has free product been totally removed? Yes

When was free product recovery project completed? September 2009

#### VI. SOIL REMEDIATION

Method: Excavation and Disposal      Duration of remediation: April 2010 – July 2010

Waste manifest document: No      Volume of soil disposal/mass removal: 1.098 tons

#### VII. GROUNDWATER REMEDIATION

Method: De-watering      Duration of remediation: April 2010 – July 2010

Mass removal: 226,000 gallons of impacted groundwater

#### VIII. COMMENTS AND JUSTIFICATION FOR RECOMMENDED ACTION

##### Site History

The site is located on the northeast corner of 1<sup>st</sup> street and Judge John Aiso Street in Los Angeles, California. The site currently contains one 1,000-gallon waste-oil underground storage tank (UST), and two 2,000-gallon diesel USTs, one dispenser island and product piping. On November 25, 2003, the City of Los Angeles Department of Public Works transferred the case to this Regional Board.

##### Site Assessment Summary

1999 – Four USTs of unknown size and contents were removed. Six soil samples were collected and detected maximum concentrations of TPHg at 1,570 mg/kg, benzene at 0.075 mg/kg, and MTBE at 0.497 mg/kg. See plate 1 for details.

2000 through 2002 – Twenty-eight soil borings, sixteen of which were converted to monitoring wells (MW-1 through MW-16) were drilled to a maximum depth of 43 ft. bgs. Soil samples were collected, however data could not be found.

December 2009 – Eleven of the sixteen wells were abandoned due to construction; the remaining wells on-site are MW-4, MW-6, MW-9, MW-10 and MW-15.

February 2012 – One soil boring (B1) was drilled to 30 ft. bgs. Samples collected and analyzed detected a concentration of benzene at 0.0039 mg/kg. See table 1 for details.

##### Remedial Action Summary

During construction of an underground parking structure and removal of one UST in December of 2009, approximately 1.098 tons of soil was removed and disposed of off-site. Also, due to the depth of excavation, dewatering was necessary from four de-watering wells at site and a total of 226,000 gallons of groundwater was pumped and disposed of off-site. These activities resulted in a significant reduction of dissolved phase VOCs in the groundwater. See Table 2 for groundwater data.

##### Groundwater Monitoring

There are currently five groundwater monitoring wells (MW-4, MW-6, MW-9, MW-10 and MW-15) at the site. Groundwater monitoring started in October 2000. Historically concentrations of TPHg at 81,256 µg/L, benzene at 151 µg/L, and MTBE at 79,990 µg/L were detected in the groundwater. In December 2011, no fuel constituents were detected in the groundwater. Historically, up to 1.12 feet of free product were observed in MW-2 at the site. Free Product had reached to a sheen before December of 2009 when MW-2 was abandoned. No other monitoring well at the site has ever shown free product. See Table 2 for groundwater data.

##### Low Threat UST Policy Criteria Evaluation

##### General Criteria

The site meets a through h general criteria of the low threat closure policy as follows:

- a. The unauthorized release is located within the service area of a public water system.
- b. The unauthorized release consists of petroleum only.
- c. The unauthorized ("primary") release from the UST system has been stopped (all old USTs at the site were removed in 1999).
- d. Free product has been removed to the maximum extent practicable.
- e. A conceptual site model has been developed.
- f. The secondary source has been removed to the extent practicable (petroleum impacted soil and/or groundwater has been removed using SVE and soil excavation).
- g. Soil and groundwater has been tested for MTBE.
- h. No known nuisances exist at the site.

Site Name/Address: Parker Center, 151 Judge John Aiso Street, Los Angeles, CA 90012

Staff Initial: AT

#### Groundwater

The site meets criteria scenario 1.1 which states "The contaminant plume that exceeds water quality objectives is <100 feet in length. There is no free product. The nearest existing water supply well or surface water body is >250 feet from the defined plume boundary."

#### Vapor Intrusion to Indoor Air

The site appears to be an active service station, and therefore, it is exempted from the vapor intrusion to indoor air requirement per the UST Low Threat Policy.

#### Direct Contact and Outdoor Air Exposure

Criterion 3.1. of the UST Low Threat Policy which states: "Maximum concentrations of petroleum constituents in soil are less than or equal to those listed in the table for the specified depth below ground surface."

Maximum Benzene Detected = 0.0039 mg/kg at 5 ft bgs < 8.2 mg/kg (Commercial)

Maximum Ethylbenzene Detected = ND mg/kg at 5 ft bgs < 89 mg/kg (Commercial)

Naphthalene and PAHs were not analyzed.

#### **Factors Supporting Low Risk Closure**

Based on the above site assessment, staff recommends to grant a low-risk closure for the site for the following reasons:

- The source of the gasoline leak has been removed.
- The extent of the soil and groundwater contamination has been adequately defined.
- Free product has been removed to the maximum extent practicable.
- Excavation and disposal have removed 1.098 tons of impacted soil from the site.
- Dewatering activities have removed 226,000 gallons of impacted groundwater from the site.
- The residual soil and groundwater contamination are unlikely to cause significant human health and environmental risks via major pathways, such as direct contact, drinking water ingestion, and vapor intrusion.

#### **IX. MTBE FATE & TRANSPORT PLUME LENGTH MODELING ANALYSIS**

Plume Length modeling is not required because MTBE was not detected in an monitoring wells on-site.

#### **X. ELECTRONIC DELIVERABLE FORMAT (EDF) SUBMISSION**

Has electronic data reporting requirement been met? Yes

#### **XI. AB 681 REQUIREMENT (Land Owner Notification)**

Verify property ownership <http://assessor.lacounty.gov/extranet/DataMaps/Pais.aspx> (date) : 6/14/2012

Have landowner or impacted site notification requirements been met? Yes

Owner: LA City

Responsible party: John Cotti

Pre-closure letter sent date: November 5, 2012

(Jan. 2012)

Table 4-1: Maximum Soil Screening Levels (mg/kg) for TPH, BTEX and MTBE above Drinking Water Aquifers

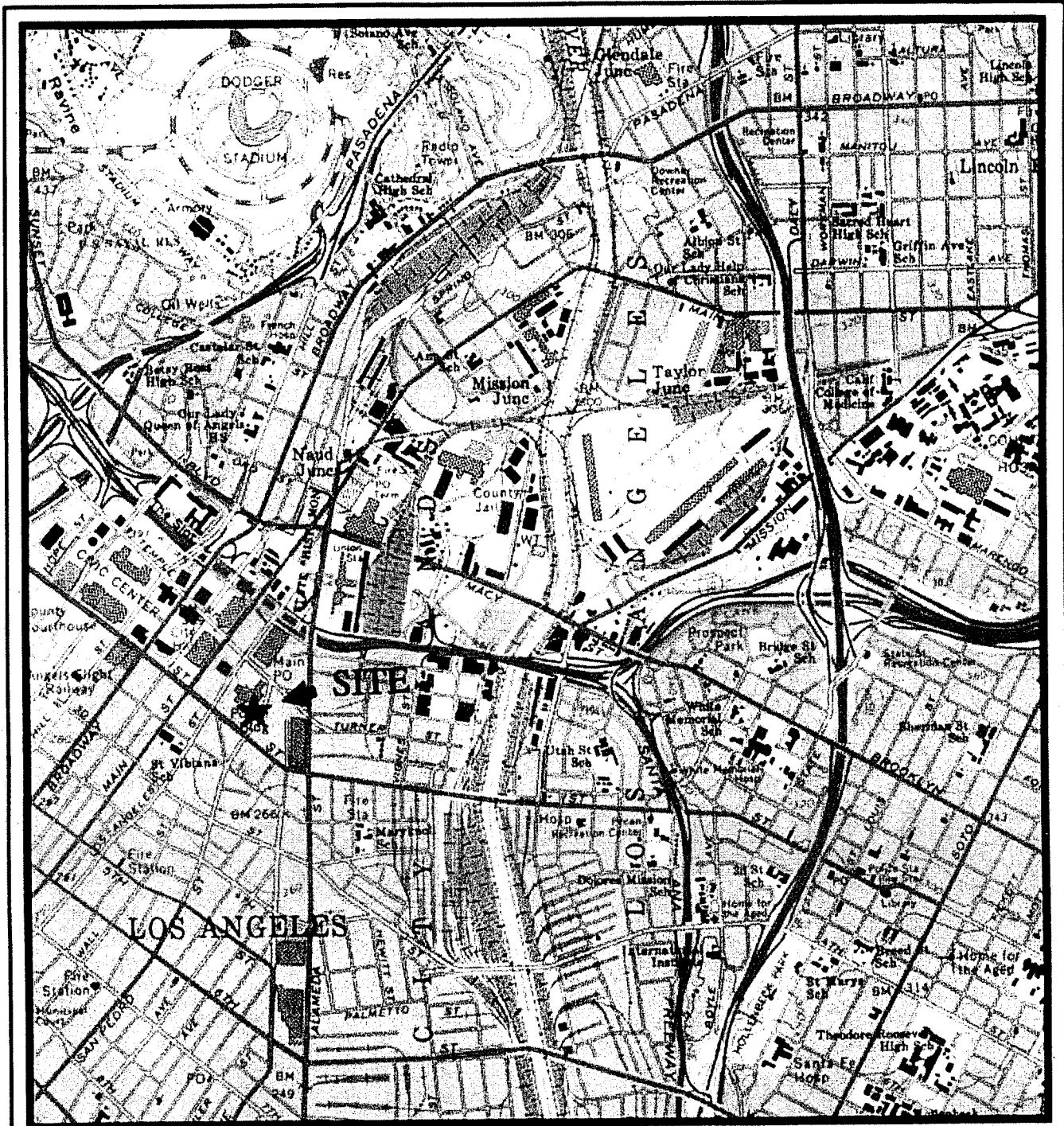
TPH	Distance Above Groundwater	Carbon Range		
		C4-C12	C13-C22	C23-C32
	>150 feet	1,000	10,000	50,000
	20-150 feet	500	1,000	10,000
	<20 feet	100	100	1,000

BTEX & MTBE	Distance Above Groundwater	Lithology			
		Gravel	Sand	Silt	Clay
	150 feet	B=0.044 T=2 E=8 X=23 MTBE = 0.039	B=0.077 T=4 E=17 X=48 MTBE = 0.078	B=0.165 T=9 E=34 X=93 MTBE = 0.156	B=0.8 T=43 E=170 X=465 MTBE = 0.78
	120 feet	B=0.035 T=1.57 E=6.3 X=17.9 MTBE = 0.028	B=0.058 T=3.1 E=12.7 X=36 MTBE = 0.061	B=0.123 T=7 E=25.9 X=70.3 MTBE = 0.117	B=0.603 T=32 E=128 X=351 MTBE = 0.591
	100 feet	B=0.028 T=1.3 E=5.1 X=14.4 MTBE = 0.020	B=0.046 T=2.57 E=9.86 X=28 MTBE = 0.05	B=0.094 T=5.4 E=20.4 X=55.1 MTBE = 0.091	B=0.471 T=25 E=101 X=276 MTBE = 0.464
	80 feet	B=0.022 T=1 E=4 X=11 MTBE = 0.013	B=0.033 T=2 E=7 X=20 MTBE = 0.039	B=0.066 T=4 E=15 X=40 MTBE = 0.065	B=0.34 T=18 E=73 X=200 MTBE = 0.338
	60 feet	B=0.018 T=0.72 E=2.9 X=7.9 MTBE = 0.013	B=0.026 T=1.4 E=4.9 X=13.9 MTBE = 0.03	B=0.048 T=2.8 E=10.7 X=28.4 MTBE = 0.048	B=0.241 T=13 E=52 X=141.5 MTBE = 0.247
	40 feet	B=0.015 T=0.43 E=1.8 X=4.8 MTBE = 0.013	B=0.018 T=0.87 E=2.8 X=7.8 MTBE = 0.022	B=0.029 T=1.6 E=6.3 X=16.9 MTBE = 0.03	B=0.143 T=7.5 E=30 X=83 MTBE = 0.156
	20 feet	B=0.011 T=0.15 E=0.7 X=1.75 MTBE = 0.013	B=0.011 T=0.3 E=0.7 X=1.75 MTBE = 0.013	B=0.011 T=0.45 E=2 X=5.3 MTBE = 0.013	B=0.044 T=2.3 E=9 X=24.5 MTBE = 0.065

- TPH = Total petroleum hydrocarbons.
- BTEX = benzene, toluene, ethylbenzene, and xylenes, respectively. MTBE = methyl tertiary butyl ether.
- Respective MCLs (ppm): B=0.001, T=0.15, E=0.3, X=1.75, MTBE=0.013.
- BTEX screening concentrations determined per the attenuation factor method as described in RWQCB Guidance for VOC Impacted Sites (March 1996), with a natural degradation factor of 11 for BTEX and of 3 for MTBE. Table values can be linearly interpolated between distance above groundwater and are proportional to fraction of each lithological thickness.
- Values in Table 4-1 are for soils above drinking water aquifers. All groundwaters are considered as drinking water resources unless exempted by one of the criteria as defined under SWRCB Resolution 88-63 (TDS>3000 mg/L, or deliverability <200 gal/day, or existing contamination that cannot be reasonably treated). Regional Board staff will make a determination of potential water use at a particular site considering water quality objectives and beneficial uses. For non-drinking water aquifers, regardless of depth, TPH for ">150 feet" category in the table should be used;
- Distance above groundwater must be measured from the highest anticipated water level. Lithology is based on the USCS scale.
- In areas of naturally-occurring hydrocarbons, Regional Board staff will make determinations on TPH levels.

(revised 1/7/05)



SCALE  
(feet)



Base Map - USGS 7.5 Minute Quadrangle, Los Angeles

NORTH



**PINNACLE**  
ENVIRONMENTAL TECHNOLOGIES

#2 Santa Maria, Foothill Ranch, CA 92610  
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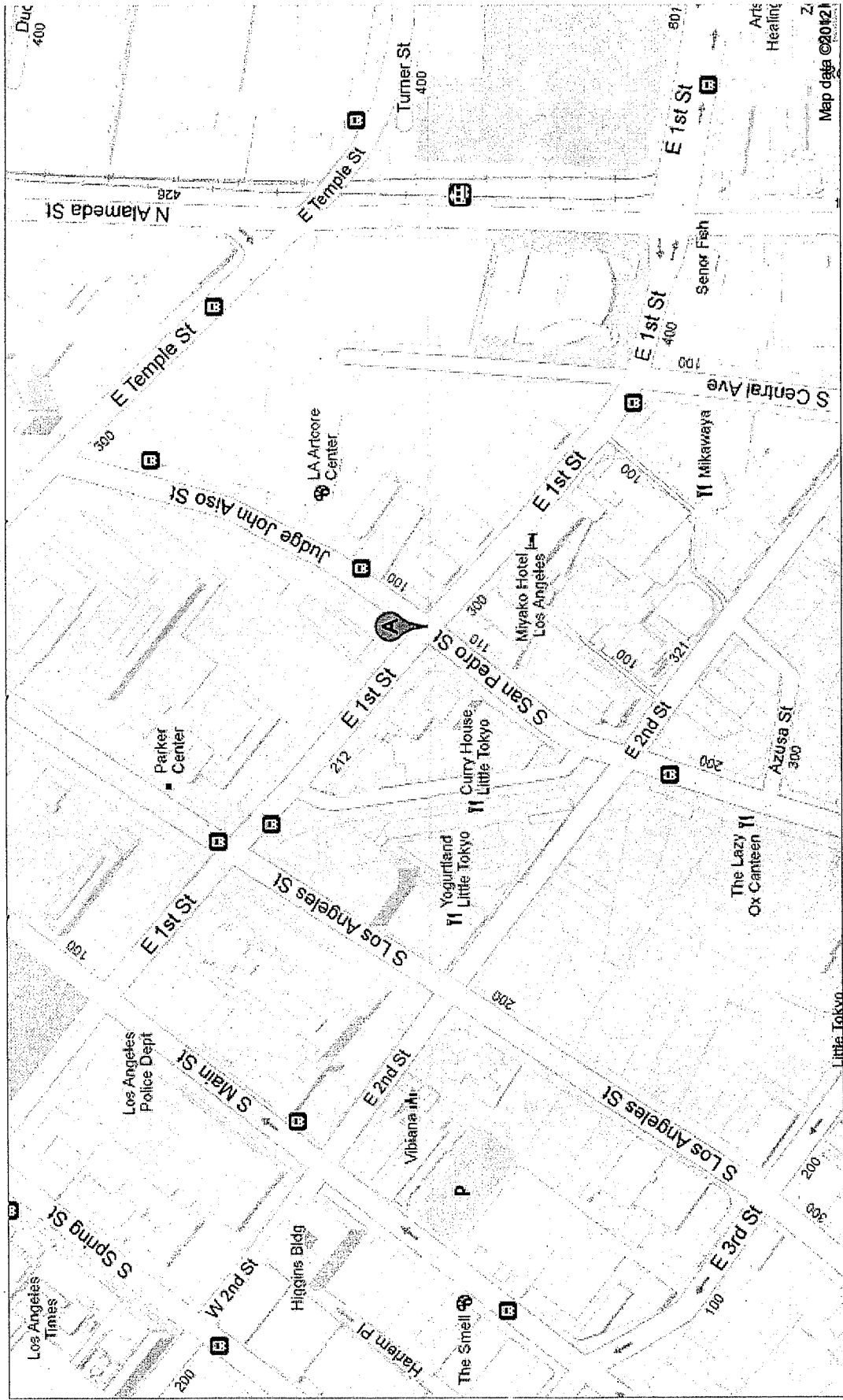
Parker Center  
151 Judge John Aiso,  
Los Angeles, California

Site  
Location  
Map

Figure  
1



To see all the details that are visible on the screen, use the "Print" link next to the map.



## 1.0 INTRODUCTION

The Geotechnical Engineering Group (GEO), Bureau of Engineering, Department of Public Works, City of Los Angeles is pleased to provide this Supplemental Soil Investigation (Investigation) conducted at the Parker Center Site located at 151 Judge John Aiso in Los Angeles, CA in an area of mixed residential and commercial land uses (Plate 1). This report describes the site conditions observed during the investigation. It also describes the purpose and scope of the investigation, as well as detailing the methodologies employed to collect data used in this report.

## 2.0 SCOPE

The purpose of this environmental investigation is to determine the presence of residual contamination after mass excavation at the site for the construction of a subterranean parking structure constructed at the site. This investigation includes reviewing of previous reports and advancing a single boring at the site.

## 3.0 BACKGROUND

Several USTs have been operated at the site. There are currently four known Underground Storage Tanks (USTs). A 1,000-gallon motor-oil UST located west of the vehicle repair shops on the southeast corner of the site, two 2,000-gallon diesel USTs located adjacent to the main LAPD headquarters building, and two 10,000-gallon gasoline USTs were located adjacent to the fueling islands on the east-central portion of the site (Plate 2) which were removed during the excavation for the now completed subterranean parking structure.

The former fueling islands at Parker Center were used by the LAPD and other City agencies for the fueling of City vehicles. The fueling islands had been in operation at their current location since approximately 1953. There have been at least three generations of USTs at this location of the site, with the latest being installed in late 1999. Other reports indicate that an earlier replacement project was completed in the early 1970's, although no records of their placement were reviewed.

Four USTs were excavated and removed from the site in 1999 and replaced with the four USTs noted above. Petroleum hydrocarbon-impacted soil was detected around the gasoline product USTs located next to the fueling islands (Plate 2). Six soil samples collected from beneath the four USTs were analyzed. Gasoline-Range Total Petroleum Hydrocarbons (TPHg) were detected at a concentration of up to 1,570 milligrams per kilogram (mg/kg), benzene was detected at a maximum of 0.075 mg/kg, and methyl-tertiary-butyl-ether (MTBE) was detected at a maximum of 0.497 mg/kg.

Between 2000 and 2002 Pinnacle completed three phases of site investigation work to evaluate the soil and groundwater conditions beneath the site. Twenty-eight soil borings were advanced during this time in the area around the fuel USTs. Of these 28 borings, 16 were converted to monitoring wells and incorporated into a groundwater monitoring program. Each of the wells was completed to a depth of between 35 and 43 feet (ft)

# Table 1

City of Los Angeles, Dept of General Services, Standards Testing Laboratory

**VOLATILE ORGANIC COMPOUNDS**

Project: PARKER CENTER *Sample Boring B-1* *2/15/12*

mg/kg (ppm)

Laboratory ID No.	Method Blank	12-00293-01B	12-00293-02B	12-00293-03B	12-00293-04B	12-00293-05B	12-00293-06B	12-00293-07B	RL
Sample Location		B-1, 2.5'	B-1, 5'	B-1, 10'	B-1, 15'	B-1, 20'	B-1, 25'	B-1, 30'	Low
Sample Date		02/15/12	02/15/12	02/15/12	02/15/12	02/15/12	02/15/12	02/15/12	Level
Analysis Date	02/22/12	02/22/12	02/22/12	02/22/12	02/22/12	02/22/12	02/22/12	02/22/12	
Analysis Initials	PW	PW	PW	PW	PW	PW	PW	PW	
Analysis Method	Low Level	Low Level	Low Level	Low Level	Low Level	Low Level	Low Level	Low Level	
Multiplier	1	0.850	0.800	1.06	0.929	1.03	1.13	0.935	X Multiplier
Dichlorodifluoromethane	.	.	.	.	.	.	.	.	0.0032
Chloromethane	.	.	.	.	.	.	.	.	0.0016
Vinyl chloride	.	.	.	.	.	.	.	.	0.0024
Bromomethane	.	.	.	.	.	.	.	.	0.0024
Chloroethane	.	.	.	.	.	.	.	.	0.0024
Trichlorofluoromethane	.	.	.	.	.	.	.	.	0.0024
Ethanol	.	.	.	.	.	.	.	.	0.80
1,1-Dichloroethene	.	.	.	.	.	.	.	.	0.0012
Methylene chloride	.	.	.	.	.	.	.	.	0.0008
2-Methyl-2-propanol (TBA)	.	.	.	.	.	.	.	.	0.0075
trans-1,2-Dichloroethene	.	.	.	.	.	.	.	.	0.0008
2-Methyl tert-butyl ether (MTBE)	.	.	.	.	.	.	.	.	0.0010
1,1-Dichloroethane	.	.	.	.	.	.	.	.	0.0008
Diisopropyl ether (DIPE)	.	.	.	.	.	.	.	.	0.0010
2-Ethoxy-2-methylpropane (ETBE)	.	.	.	.	.	.	.	.	0.0010
2,2-Dichloropropane	.	.	.	.	.	.	.	.	0.0012
cis-1,2-Dichloroethene	.	.	.	.	.	.	.	.	0.0008
2-Butanone (MEK)	.	.	.	.	.	.	.	.	0.0020
Bromochloromethane	.	.	.	.	.	.	.	.	0.0008
Chloroform	.	.	.	.	.	.	.	.	0.0008
1,1,1-Trichloroethane	.	.	.	.	.	.	.	.	0.0008
2-Ethoxy-2-methylbutane (TAME)	.	.	.	.	.	.	.	.	0.0010
Carbon tetrachloride	.	.	.	.	.	.	.	.	0.0012
1,1-Dichloropropane	.	.	.	.	.	.	.	.	0.0012
Benzene	.	0.0033	0.0039	.	.	.	.	.	0.0008
1,2-Dichloroethane	.	.	.	.	.	.	.	.	0.0008
Trichloroethene	.	.	.	.	.	.	.	.	0.0008
1,2-Dichloropropane	.	.	.	.	.	.	.	.	0.0012
Dibromomethane	.	.	.	.	.	.	.	.	0.0008
Bromodichloromethane	.	.	.	.	.	.	.	.	0.0008
2-Chloroethyl vinyl ether	.	.	.	.	.	.	.	.	0.0015
cis-1,3-Dichloropropane	.	.	.	.	.	.	.	.	0.0008
4-Methyl-2-pentanone (MIBK)	.	.	.	.	.	.	.	.	0.0010
Toluene	.	0.0013	0.0016	.	.	.	.	.	0.0008
trans-1,3-Dichloropropane	.	.	.	.	.	.	.	.	0.0008
1,1,2-Trichloroethane	.	.	.	.	.	.	.	.	0.0008
Tetrachloroethane	.	.	.	.	.	.	.	.	0.0012
1,3-Dichloropropane	.	.	.	.	.	.	.	.	0.0008
Dibromochloromethane	.	.	.	.	.	.	.	.	0.0008
1,2-Dibromoethane	.	.	.	.	.	.	.	.	0.0008
Chlorobenzene	.	.	.	.	.	.	.	.	0.0008
1,1,1,2-Tetrachloroethane	.	.	.	.	.	.	.	.	0.0008
Ethylbenzene	.	.	.	.	.	.	.	.	0.0008
meta & para-Xylenes	.	.	.	.	.	.	.	.	0.0016
ortho-Xylene	.	.	.	.	.	.	.	.	0.0008
Styrene	.	.	.	.	.	.	.	.	0.0008
Bromoform	.	.	.	.	.	.	.	.	0.0012
Isopropylbenzene	.	.	.	.	.	.	.	.	0.0008
1,1,1,2,2-Pentachloroethane	.	.	.	.	.	.	.	.	0.0008
Bromobenzene	.	.	.	.	.	.	.	.	0.0008
1,2,3-Trichloropropane	.	.	.	.	.	.	.	.	0.0008
n-Propylbenzene	.	.	.	.	.	.	.	.	0.0008
2-Chlorotoluene	.	.	.	.	.	.	.	.	0.0008
1,3,5-Trimethylbenzene	.	.	.	.	.	.	.	.	0.0008
4-Chlorotoluene	.	.	.	.	.	.	.	.	0.0008
tert-Butylbenzene	.	.	.	.	.	.	.	.	0.0008
1,2,4-Trimethylbenzene	.	.	.	.	.	.	.	.	0.0008
sec-Butylbenzene	.	.	.	.	.	.	.	.	0.0008
1,3-Dichlorobenzene	.	.	.	.	.	.	.	.	0.0008
n-Isopropyltoluene	.	.	.	.	.	.	.	.	0.0008
1,4-Dichlorobenzene	.	0.0014	.	.	.	.	.	.	0.0008
m-Butylbenzene	.	.	.	.	.	.	.	.	0.0008
1,2-Dichlorobenzene	.	.	.	.	.	.	.	.	0.0008
1,2-Dibromo-3-chloropropane	.	.	.	.	.	.	.	.	0.0012
1,2,4-Trichlorobenzene	.	.	.	.	.	.	.	.	0.0008
Hexachlorobutadiene	.	.	.	.	.	.	.	.	0.0012
Naphthalene	.	.	.	.	.	.	.	.	0.0008
1,2,3-Trichlorobenzene	.	.	.	.	.	.	.	.	0.0008
Total	.	0.0060	0.0055	.	.	.	.	.	

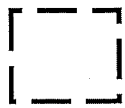
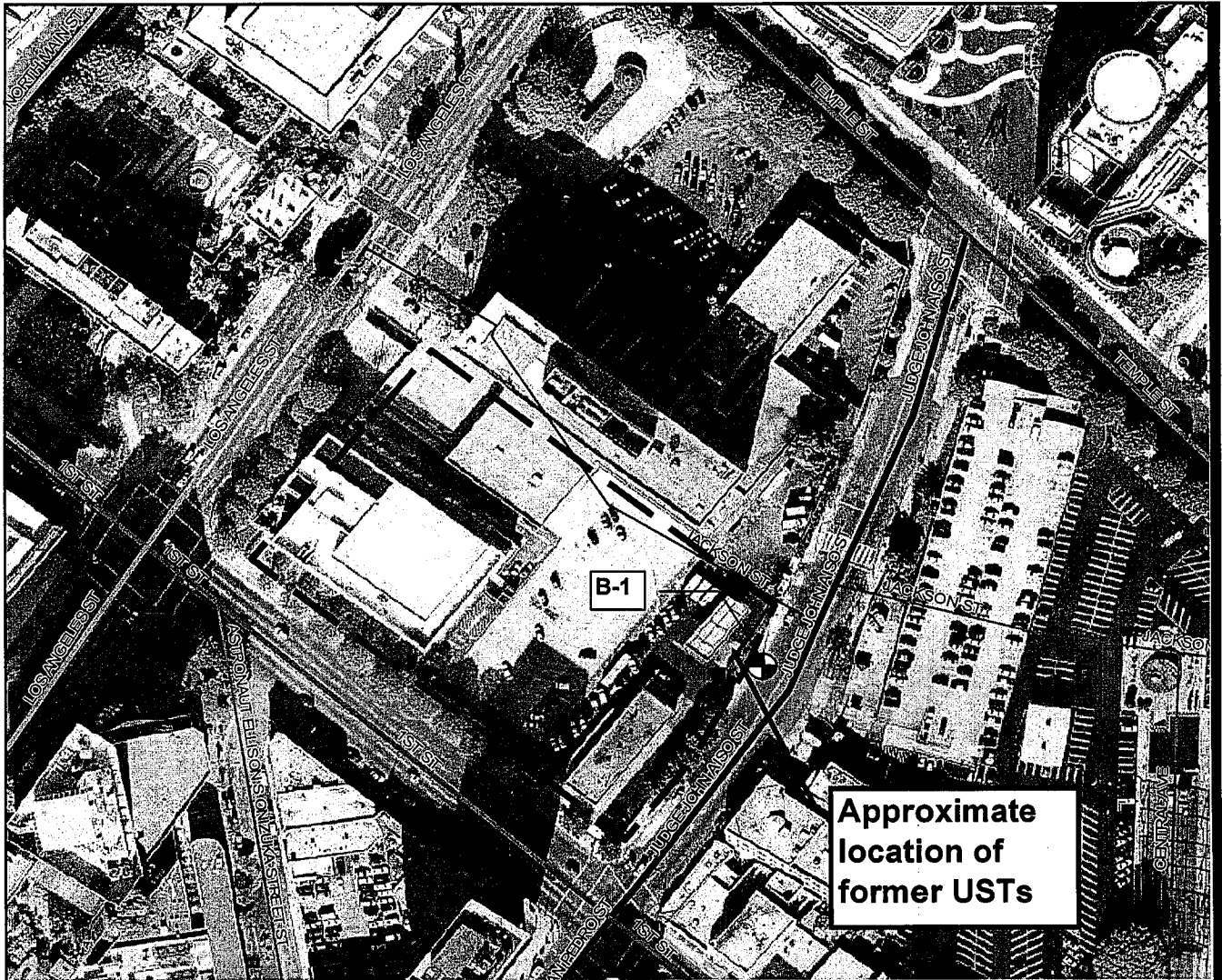
**QUALITY CONTROL**

Surrogate Compounds	% Recovery								
Dibromofluoromethane	116	109	99.2	102	116	115	113	117	85.3 - 117
Toluene-d8	104	106	104	102	107	101	103	102	85.3 - 116
4-Bromofluorobenzene	92.8	110	107	95.6	95.9	99.8	95.3	94.5	71.9 - 137

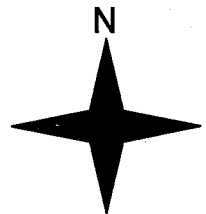
A. Method: EPA Method 8260B

B. Instrument #2: Hewlett-Packard 5890 with 5971 Series Mass-Selective Detector

C. Column: DB-624, 0.53 I.D., 3.0 Micron Thickness, 75 Meters.



Approximate Limits of Excavated Area



0 FT 50 FT



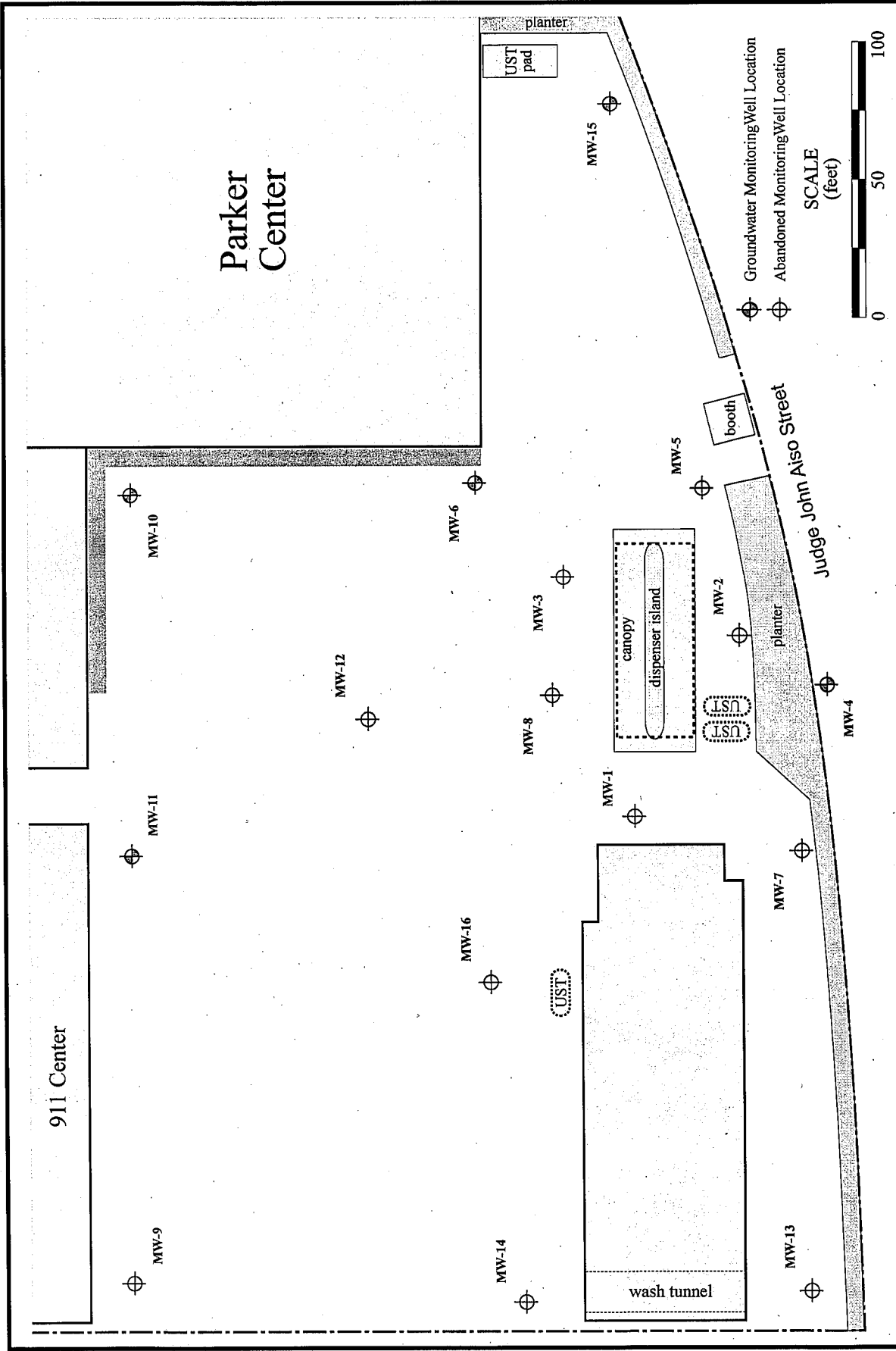
Boring Location



Parker Center  
LOS ANGELES,  
CALIFORNIA

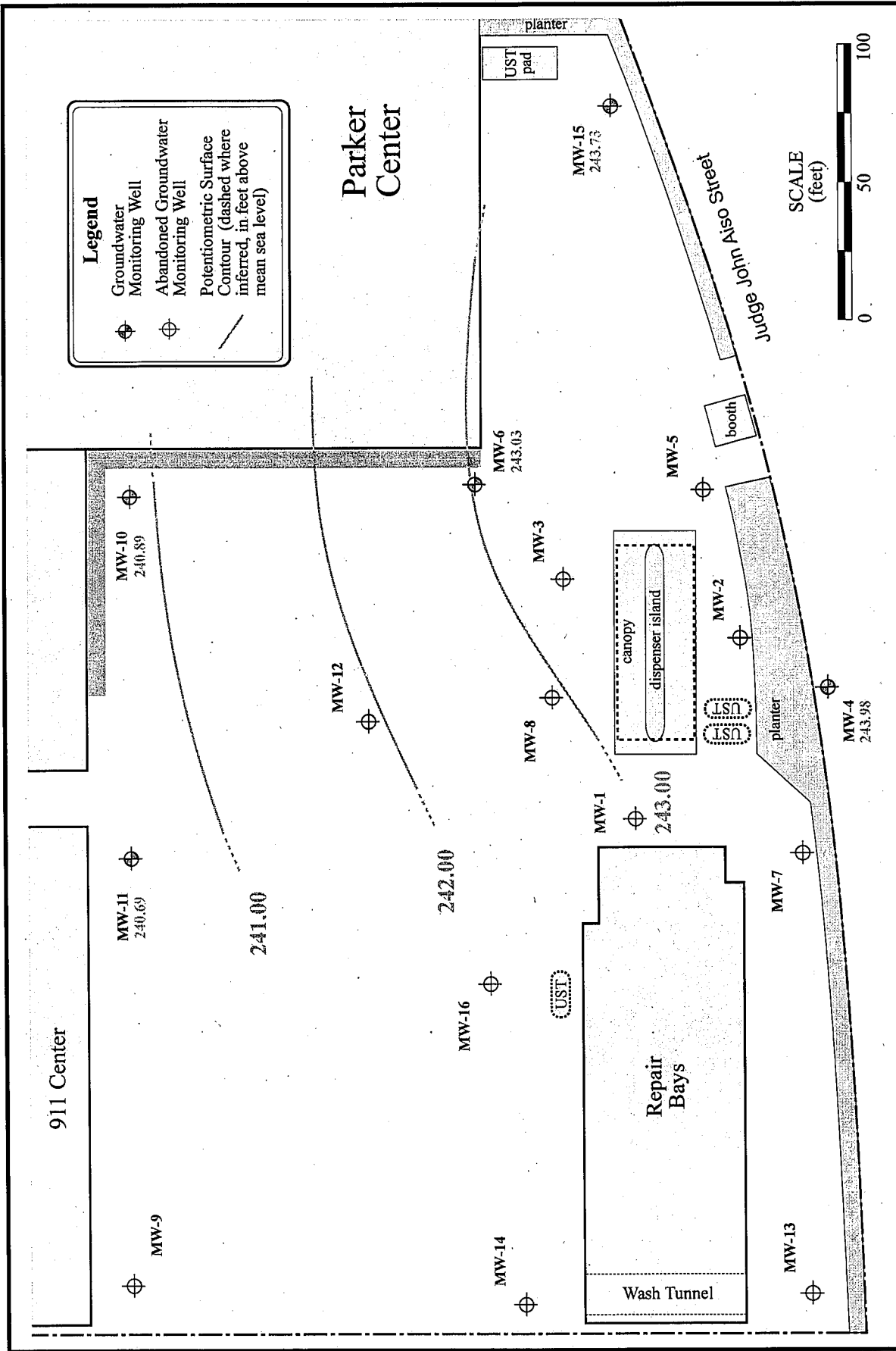
BUREAU OF ENGINEERING  
GEOTECHNICAL ENGINEERING GROUP (GEO)  
GEO FILE No.: 01-005  
DATE: April, 2012



PLATE  
No. 2

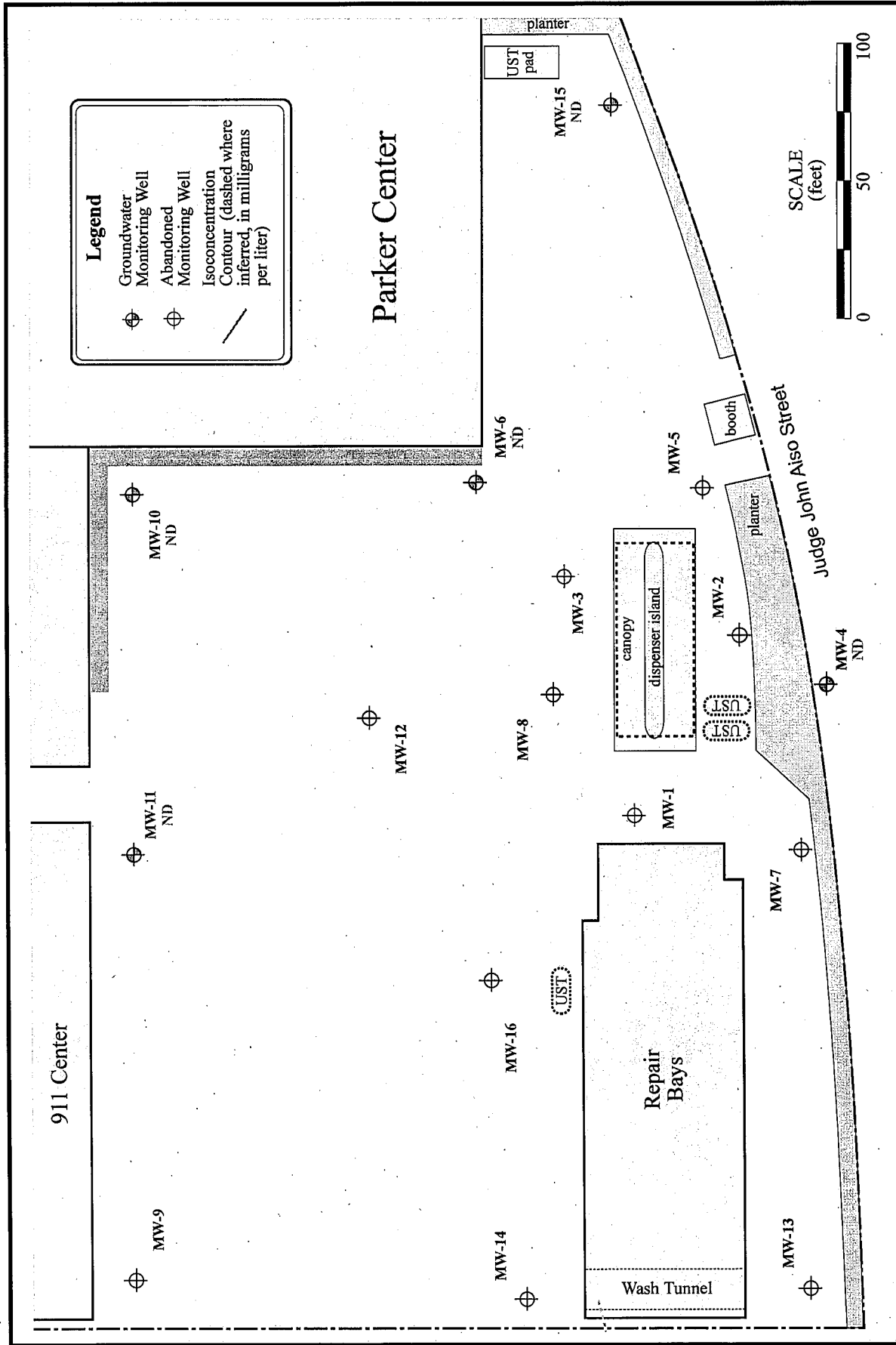





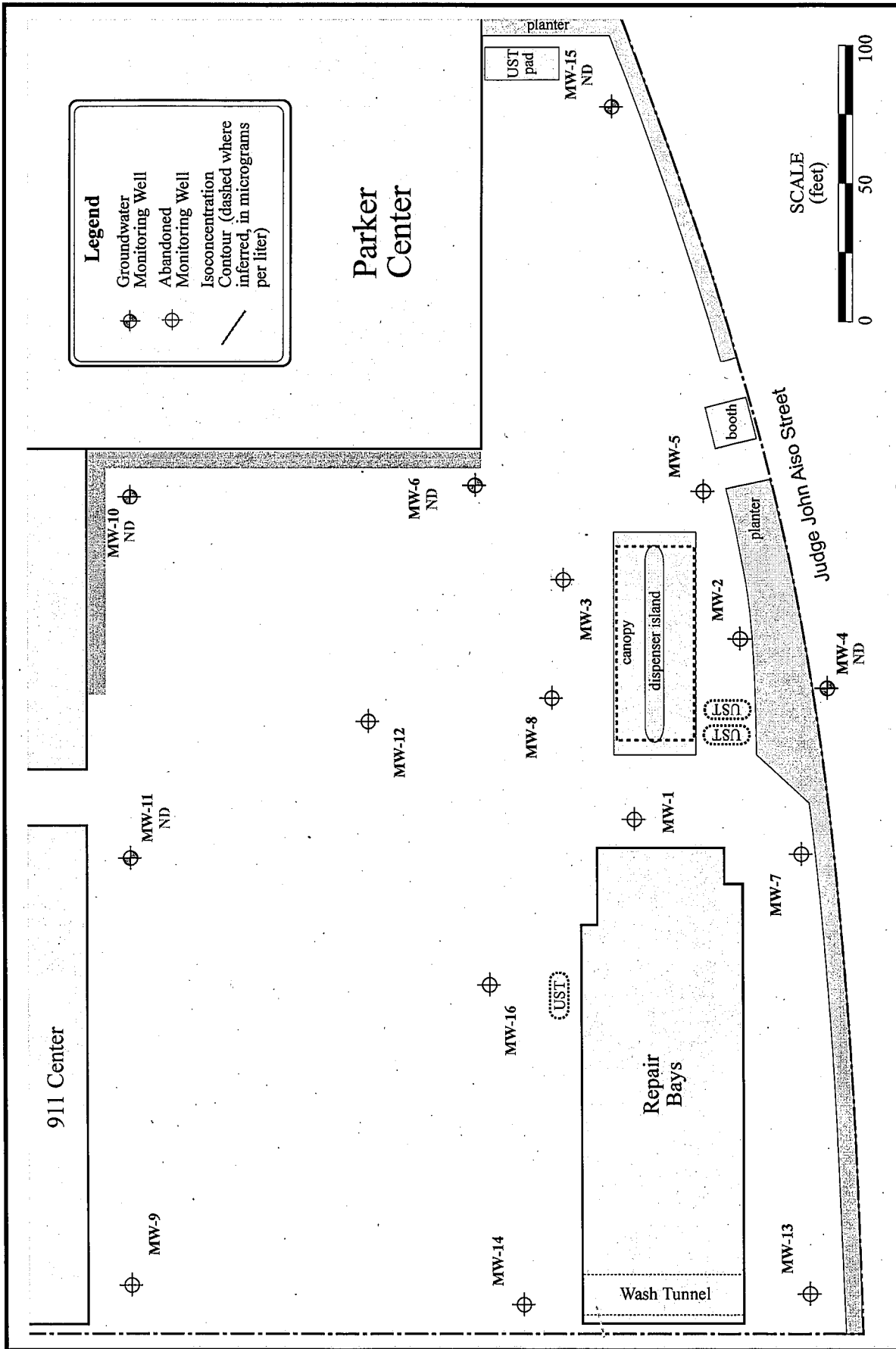
 <p><b>PINNACLE</b> ENVIRONMENTAL TECHNOLOGIES #2 Santa Maria, Foothill Ranch, CA 92610 Tel: (949) 470-3691 • Fax: (949) 595-0459</p>	<p><b>Parker Center</b> <b>151 Judge John Aiso</b> <b>Los Angeles, California</b></p>	<p> North</p>	<p><b>Site Map</b></p>	<p><b>Figure 2</b></p>
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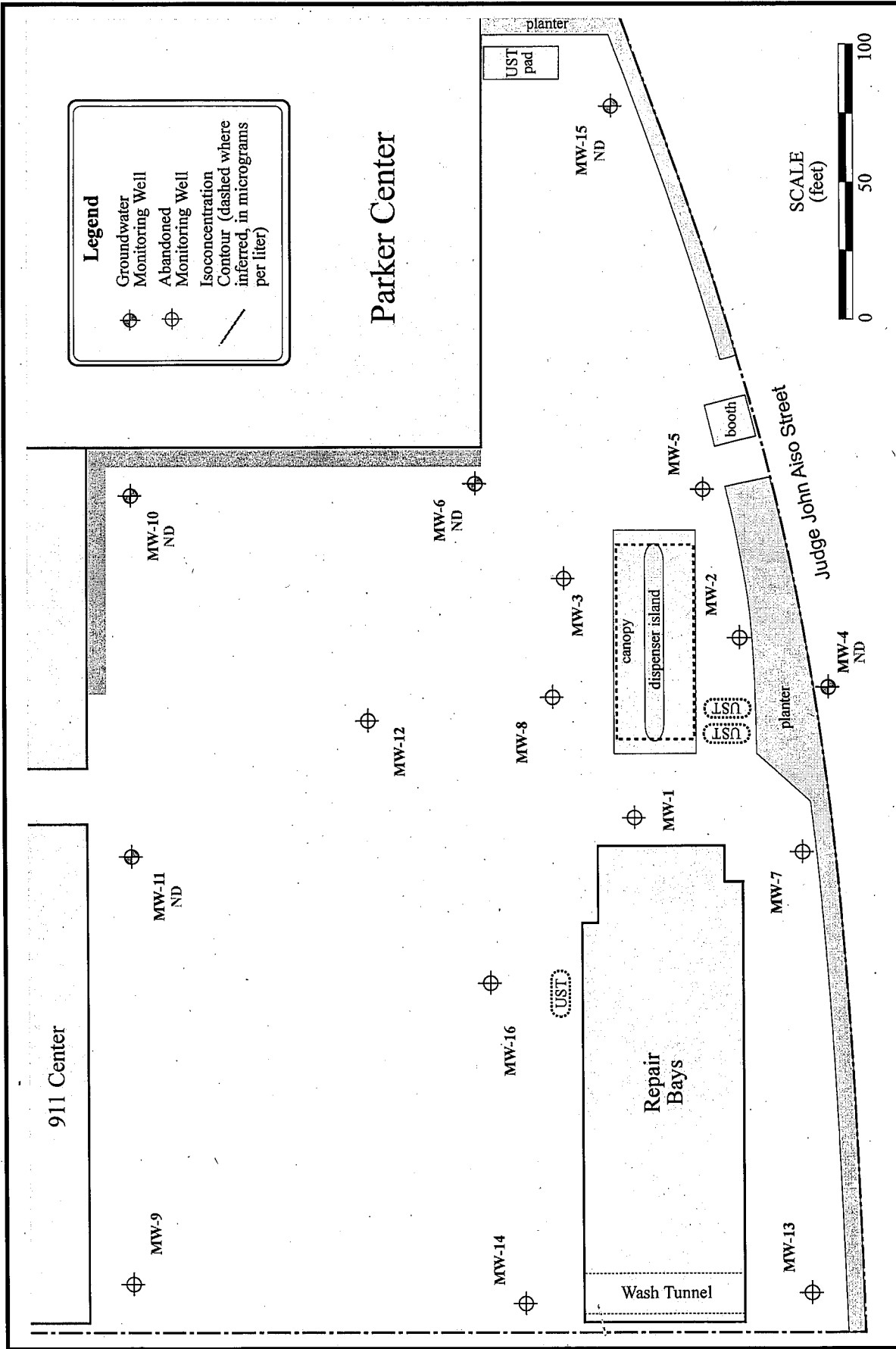
 <p><b>PINNACLE</b> ENVIRONMENTAL TECHNOLOGIES #2 Santa Maria, Foothill Ranch, CA 92610 Tel: (949) 470-3691 • Fax: (949) 595-0459</p>	<p><b>Parker Center</b> 151 Judge John Aiso Los Angeles, California</p>	 <p>North</p>	<p><b>Groundwater Elevation Map</b> December 19, 2011</p>	<p><b>Figure 3</b></p>
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 <p><b>PINNACLE</b> ENVIRONMENTAL TECHNOLOGIES #2 Santa Maria, Foothill Ranch, CA 92610 Tel: (949) 470-3691 • Fax: (949) 595-0459</p>	<p><b>Parker Center</b> 151 Judge John Aiso Los Angeles, California</p>	<p>North</p>	<p><b>Dissolved-Phase TPHG</b> <b>Isoconcentration Map</b> December 19, 2011</p>	<p><b>Figure</b> 4</p>
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 <p><b>PINNACLE</b> ENVIRONMENTAL TECHNOLOGIES #2 Santa Maria, Foothill Ranch, CA 92610 Tel: (949) 470-3691 • Fax: (949) 595-0459</p>	<p><b>Parker Center</b> <b>151 Judge John Aiso</b> <b>Los Angeles, California</b></p>	 <p>North</p>	<p><b>Dissolved-Phase TBA</b> <b>Isoconcentration Map</b> December 19, 2011</p>	<p><b>Figure 6</b></p>
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 <p><b>PINNACLE</b> ENVIRONMENTAL TECHNOLOGIES #2 Santa Maria, Foothill Ranch, CA 92610 Tel: (949) 470-3691 • Fax: (949) 595-0459</p>	<p><b>Parker Center</b> <b>151 Judge John Aiso</b> <b>Los Angeles, California</b></p>	<p>North</p>	<p><b>Dissolved-Phase MTBE Isoconcentration Map</b> December 19, 2011</p>	<p><b>Figure 5</b></p>
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**TABLE 2**  
**SUMMARY OF GROUNDWATER RESULTS**  
**TOTAL PETROLEUM HYDROCARBONS AND VOLATILE ORGANIC COMPOUNDS**

**PARKER CENTER**  
 151 Judge John Aiso  
 Los Angeles, California

Sample ID	Sampling Date	TPHG (C4-C12)	TPHD (C13-C22)	TPH-WO (C23-C40)	Benzene	Toluene	Ethylbenzene	Xylenes
		EPA Method 8015M (mg/L)						
MW-1	10/4/00	81,256	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	1/29/01	44,333	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	8/30/01	85,500	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	2/27/02	18,851	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	4/24/02	27,960	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	12/12/02	33,293	ND < 500	ND < 1,000	ND < 0.5	59.0	ND < 0.5	ND < 0.5
	3/12/03	12,399	ND < 500	ND < 1,000	16.9	16.0	46.7	116.0
	6/12/03	9,266	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	9/9/03	5,891	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	12/29/03	5,198	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	3/26/04	2,330	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	6/9/04	10,820	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	9/2/04	4,270	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	12/31/04	6,703	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	4/12/05	2,682	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	6/20/05	906	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	9/9/05	585	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	4/3/06	380	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	6/30/06	ND < 100	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	1/5/07	112	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	3/31/07	372	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5

**TABLE 2**  
**SUMMARY OF GROUNDWATER RESULTS**  
**TOTAL PETROLEUM HYDROCARBONS AND VOLATILE ORGANIC COMPOUNDS**

**PARKER CENTER**  
 151 Judge John Aiso  
 Los Angeles, California

Sample ID	Sampling Date	TPHG (C4-C12)	TPHD (C13-C22)	TPH-WO (C23-C40)	Benzene	Toluene	Ethylbenzene	Xylenes
		EPA Method 8015M (mg/L)				EPA Method 8260/8260B (ug/L)		
MW-1	6/29/07	202	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
(cont.)	9/28/07	406	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	7/18/08	200	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	9/30/09	ND < 100	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	12/15/09		well abandoned					

**TABLE 2  
SUMMARY OF GROUNDWATER RESULTS  
TOTAL PETROLEUM HYDROCARBONS AND VOLATILE ORGANIC COMPOUNDS**

**PARKER CENTER  
151 Judge John Aiso  
Los Angeles, California**

Sample ID	Sampling Date	TPHG (C4-C12)	TPHD (C13-C22)	TPH-WO (C23-C40)	Benzene	Toluene	Ethylbenzene	Xylenes
		EPA Method 8015M (mg/L)				EPA Method 8260/8260B (ug/L)		
MW-2	10/4/00	16,699	NA	NA	151.0	475.0	ND < 0.5	228.0
	1/29/01	2,541	NA	NA	28.0	54.0	97.0	56.0
	8/30/01	8,760	ND < 500	ND < 1,000	46.5	113.0	125.0	205.0
	2/27/02	896	ND < 500	ND < 1,000	13.1	32.3	56.0	59.9
	4/24/02	893	ND < 500	ND < 1,000	22.5	101.0	74.0	146.1
	12/12/02	765	ND < 500	ND < 1,000	19.5	15.5	63.5	51.6
	3/12/03	856	ND < 500	ND < 1,000	21.7	53.5	59.1	132.0
	6/12/03	788	ND < 500	ND < 1,000	28.2	37.7	74.1	135.9
	9/9/03	FP	FP	FP	FP	FP	FP	FP
	12/29/03	FP	FP	FP	FP	FP	FP	FP
	3/26/04	FP	FP	FP	FP	FP	FP	FP
	6/9/04	FP	FP	FP	FP	FP	FP	FP
	9/2/04	FP	FP	FP	FP	FP	FP	FP
	12/31/04	FP	FP	FP	FP	FP	FP	FP
	4/12/05	FP	FP	FP	FP	FP	FP	FP
	6/20/05	FP	FP	FP	FP	FP	FP	FP
	9/9/05	FP	FP	FP	FP	FP	FP	FP
	4/3/06	FP	FP	FP	FP	FP	FP	FP
	6/30/06	FP	FP	FP	FP	FP	FP	FP
	1/5/07	FP	FP	FP	FP	FP	FP	FP
	3/31/07	FP	FP	FP	FP	FP	FP	FP



**TABLE 2  
SUMMARY OF GROUNDWATER RESULTS  
TOTAL PETROLEUM HYDROCARBONS AND VOLATILE ORGANIC COMPOUNDS**

**PARKER CENTER**  
151 Judge John Aiso  
Los Angeles, California

Sample ID	Sampling Date	TPHG (C4-C12)	TPHD (C13-C22)	TPH-WO (C23-C40)	Benzene	Toluene	Ethylbenzene	Xylenes
		EPA Method 8015M (mg/L)		EPA Method 8260/8260B (ug/L)				
MW-2	6/29/07	FP	FP	FP	FP	FP	FP	FP
(cont.)	9/28/07	FP	FP	FP	FP	FP	FP	FP
	7/18/08	FP	FP	FP	FP	FP	FP	FP
	9/30/09	FP	FP	FP	FP	FP	FP	FP
	12/15/09	well abandoned						

**TABLE 2**  
**SUMMARY OF GROUNDWATER RESULTS**  
**TOTAL PETROLEUM HYDROCARBONS AND VOLATILE ORGANIC COMPOUNDS**

**PARKER CENTER**  
 151 Judge John Aiso  
 Los Angeles, California

Sample ID	Sampling Date	EPA Method 8015M (mg/L)				EPA Method 8260/8260B (ug/L)			
		TPHG (C4-C12)	TPHD (C13-C22)	TPH-WO (C23-C40)	Benzene	Toluene	Ethylbenzene	Xylenes	
MW-3	10/4/00	30,647	NA	NA	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	
	1/29/01	24,159	NA	NA	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	
	8/30/01	43,700	ND < 500	ND < 1,000	261.0	ND < 0.5	430.0	ND < 0.5	
	2/27/02	16,910	ND < 500	ND < 1,000	39.7	19.4	67.3	18.8	
	4/24/02	12,843	ND < 500	ND < 1,000	35.1	31.8	70.3	24.9	
	12/12/02	3,444	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	0.7	1.8	
	3/12/03	1,827	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	
	6/12/03	2,701	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	
	9/9/03	3,534	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	
	12/29/03	2,020	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	
	3/26/04	325	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	
	6/9/04	4,256	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	
	9/2/04	1,369	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	
	12/31/04	2,138	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	
	4/12/05	1,372	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	
	6/20/05	702	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	
	9/9/05	124	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	
	4/3/06	340	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	
	6/30/06	140	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	
	1/5/07	ND < 100	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	
	3/31/07	189	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	

**TABLE 2**  
**SUMMARY OF GROUNDWATER RESULTS**  
**TOTAL PETROLEUM HYDROCARBONS AND VOLATILE ORGANIC COMPOUNDS**

**PARKER CENTER**  
 151 Judge John Aiso  
 Los Angeles, California

Sample ID	Sampling Date	TPHG (C4-C12)	TPHD (C13-C22)	TPH-WO (C23-C40)	Benzene	Toluene	Ethylbenzene	Xylenes
		EPA Method 8015M (mg/L)				EPA Method 8260/8260B (ug/L)		
MW-3	6/29/07	110	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
(cont.)	9/28/07	ND < 100	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	7/18/08	100	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	9/30/09	ND < 100	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	12/15/09	well abandoned						

**TABLE 2**  
**SUMMARY OF GROUNDWATER RESULTS**  
**TOTAL PETROLEUM HYDROCARBONS AND VOLATILE ORGANIC COMPOUNDS**

**PARKER CENTER**  
 151 Judge John Aiso  
 Los Angeles, California

Sample ID	Sampling Date	TPHG (C4-C12)	TPHD (C13-C22)	TPH-WO (C23-C40)	Benzene	Toluene	Ethylbenzene	Xylenes
		EPA Method 8015M (mg/L)				EPA Method 8260/8260B (ug/L)		
MW-4	1/29/01	2,346	NA	NA	28.0	37.0	79.0	170.0
	8/30/01	3,620	ND < 500	ND < 1,000	9.0	11.0	14.0	86.0
	2/27/02	3,529	ND < 500	ND < 1,000	14.4	25.1	181.5	402.3
	4/24/02	2,814	ND < 500	ND < 1,000	9.0	4.5	207.1	18.1
	12/12/02	116	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	1.1	3.2
	3/12/03	116	ND < 500	ND < 1,000	ND < 0.5	1.4	ND < 0.5	2.2
	6/12/03	ND < 100	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	9/9/03	149	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	12/29/03	275	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	3/26/04	ND < 100	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	6/9/04	430	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	9/2/04	421	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	12/31/04	2,698	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	4/12/05	1,372	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	6/20/05	702	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	9/9/05	124	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	4/3/06	NS	NS	NS	NS	NS	NS	NS
	6/30/06	ND < 100	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	1/5/07	NS	NS	NS	NS	NS	NS	NS
	3/31/07	ND < 100	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5

**TABLE 2**  
**SUMMARY OF GROUNDWATER RESULTS**  
**TOTAL PETROLEUM HYDROCARBONS AND VOLATILE ORGANIC COMPOUNDS**

**PARKER CENTER**  
 151 Judge John Aiso  
 Los Angeles, California

Sample ID	Sampling Date	EPA Method 8015M (mg/L)				Benzene	Toluene	Ethylbenzene	Xylenes
		TPHG (C4-C12)	TPHD (C13-C22)	TPH-WO (C23-C40)	EPA Method 8260/8260B (ug/L)				
MW-4	6/29/07	ND < 100	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	
(cont.)	9/28/07	ND < 100	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	
	7/18/08	ND < 100	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	
	9/30/09	ND < 100	ND < 500	ND < 1,000	ND < 0.5	2.7	ND < 0.5	2.3	
	12/15/09	ND < 100	ND < 500	ND < 1,000	ND < 0.5	2.7	ND < 0.5	2.3	
	3/15/10	NS	NS	NS	NS	NS	NS	NS	
	6/14/10	NS	NS	NS	NS	NS	NS	NS	
	9/20/10	NS	NS	NS	NS	NS	NS	NS	
	12/28/10	NS	NS	NS	NS	NS	NS	NS	
	3/15/11	NS	NS	NS	NS	NS	NS	NS	
	6/14/11	ND < 100	NA	NA	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	
	9/9/11	ND < 100	NA	NA	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	
	12/19/11	ND < 100	NA	NA	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	
	3/15/12	ND < 100	NA	NA	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	
	5/29/12	ND < 100	NA	NA	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	

**TABLE 2**  
**SUMMARY OF GROUNDWATER RESULTS**  
**TOTAL PETROLEUM HYDROCARBONS AND VOLATILE ORGANIC COMPOUNDS**

**PARKER CENTER**  
 151 Judge John Aiso  
 Los Angeles, California

Sample ID	Sampling Date	EPA Method 8015M (mg/L)				EPA Method 8260/8260B (ug/L)			
		TPHG (C4-C12)	TPHD (C13-C22)	TPH-WO (C23-C40)	Benzene	Toluene	Ethylbenzene	Xylenes	
MW-5	1/29/01	105	ND < 500	ND < 1,000	ND < 0.5	3.0	1.0	4.0	
	8/30/01	292	ND < 500	ND < 1,000	ND < 0.5	4.7	2.3	12.5	
	2/27/02	176	ND < 500	ND < 1,000	0.7	3.0	1.6	7.2	
	4/24/02	140	ND < 500	ND < 1,000	5.7	21.7	10.9	24.7	
	12/12/02	ND < 100	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	
	3/12/03	ND < 100	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	
	6/12/03	ND < 100	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	
	9/9/03	ND < 100	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	
	12/29/03	ND < 100	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	
	3/26/04	ND < 100	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	
	6/9/04	ND < 100	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	
	9/2/04	ND < 100	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	
	12/31/04	ND < 100	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	
	4/12/05	ND < 100	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	
	6/20/05	ND < 100	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	
	9/9/05	ND < 100	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	
	4/3/06	390	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	
	6/30/06	626	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	
	1/5/07	ND < 100	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	
	3/31/07	ND < 100	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	

**TABLE 2**  
**SUMMARY OF GROUNDWATER RESULTS**  
**TOTAL PETROLEUM HYDROCARBONS AND VOLATILE ORGANIC COMPOUNDS**

**PARKER CENTER**  
 151 Judge John Aiso  
 Los Angeles, California

Sample ID	Sampling Date	TPHG (C4-C12)	TPHD (C13-C22)	TPH-WO (C23-C40)	Benzene	Toluene	Ethylbenzene	Xylenes
		EPA Method 8015M (mg/L)				EPA Method 8260/8260B (ug/L)		
MW-5	6/29/07	ND < 100	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
(cont.)	9/28/07	ND < 100	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	7/18/08	ND < 100	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	9/30/09	ND < 100	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	12/15/09	well abandoned						

**TABLE 2**  
**SUMMARY OF GROUNDWATER RESULTS**  
**TOTAL PETROLEUM HYDROCARBONS AND VOLATILE ORGANIC COMPOUNDS**

**PARKER CENTER**  
 151 Judge John Aiso  
 Los Angeles, California

Sample ID	Sampling Date	TPHG (C4-C12)			TPHD (C13-C22)			TPH-WO (C23-C40)			Benzene	Toluene	Ethylbenzene	Xylenes
		NA	ND < 500	ND < 500	NA	ND < 500	ND < 500	NA	ND < 1,000	ND < 1,000				
MW-6	1/29/01	NA	ND < 500	ND < 500	NA	ND < 1,000	NA	ND < 0.5	NA	NA	NA	NA	NA	
	8/30/01	20,100	ND < 500	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	
	2/27/02	5,308	ND < 500	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	2.2	4.1	4.3	6.8	ND < 0.5	ND < 0.5	
	4/24/02	5,007	ND < 500	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	
	12/12/02	8,920	ND < 500	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	
	3/12/03	1,013	ND < 500	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	
	6/12/03	12,126	ND < 500	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	
	9/9/03	10,024	ND < 500	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	
	12/29/03	4,286	ND < 500	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	
	3/26/04	1,208	ND < 500	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	
	6/9/04	10,049	ND < 500	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	
	9/2/04	5,112	ND < 500	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	
	12/31/04	10,261	ND < 500	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	
	4/12/05	12,187	ND < 500	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	
	6/20/05	3,037	ND < 500	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	
	9/9/05	773	ND < 500	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	
	4/3/06	466	ND < 500	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	
	6/30/06	ND < 100	ND < 500	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	
	1/5/07	ND < 100	ND < 500	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	
	3/31/07	ND < 100	ND < 500	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	



**TABLE 2**  
**SUMMARY OF GROUNDWATER RESULTS**  
**TOTAL PETROLEUM HYDROCARBONS AND VOLATILE ORGANIC COMPOUNDS**

**PARKER CENTER**  
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 Los Angeles, California

Sample ID	Sampling Date	TPHG (C4-C12)	TPHD (C13-C22)	TPH-WO (C23-C40)	Benzene	Toluene	Ethylbenzene	Xylenes
		EPA Method 8015M (mg/L)				EPA Method 8260/8260B (ug/L)		
MW-6	6/29/07	385	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
(cont.)	9/28/07	370	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	7/18/08	ND < 100	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	9/30/09	ND < 100	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	12/15/09	ND < 100	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	3/15/10	ND < 100	NA	NA	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	6/14/10	ND < 100	NA	NA	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	9/20/10	ND < 100	NA	NA	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	12/28/10	ND < 100	NA	NA	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	3/15/11	ND < 100	NA	NA	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	6/14/11	ND < 100	NA	NA	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	9/9/11	ND < 100	NA	NA	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	12/19/11	ND < 100	NA	NA	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	3/15/12	ND < 100	NA	NA	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	5/29/12	ND < 100	NA	NA	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5

**TABLE 2**  
**SUMMARY OF GROUNDWATER RESULTS**  
**TOTAL PETROLEUM HYDROCARBONS AND VOLATILE ORGANIC COMPOUNDS**

**PARKER CENTER**  
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Sample ID	Sampling Date	TPHG (C4-C12)	TPHD (C13-C22)	TPH-WO (C23-C40)	Benzene	Toluene	Ethylbenzene	Xylenes
		EPA Method 8015M (mg/L)						
MW-7	1/29/01	1,096	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	8/30/01	48,700	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	2/27/02	14,072	ND < 500	ND < 1,000	442.4	1,179.9	455.3	1,889.6
	4/24/02	14,339	ND < 500	ND < 1,000	669.8	1,643.1	1,153.5	1,884.5
	12/12/02	498	ND < 500	ND < 1,000	0.9	1.5	3.0	6.6
	3/12/03	369	ND < 500	ND < 1,000	1.0	3.2	1.3	7.4
	6/12/03	890	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	9/9/03	1,562	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	12/29/03	1,955	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	3/26/04	1,463	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	6/9/04	2,009	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	9/2/04	1,745	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	12/31/04	2,501	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	4/12/05	745	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	6/20/05	361	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	9/9/05	157	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	4/3/06	NS	NS	NS	NS	NS	NS	NS
	6/30/06	ND < 100	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	1/5/07	ND < 100	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	3/31/07	ND < 100	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5

**TABLE 2**  
**SUMMARY OF GROUNDWATER RESULTS**  
**TOTAL PETROLEUM HYDROCARBONS AND VOLATILE ORGANIC COMPOUNDS**

**PARKER CENTER**  
 151 Judge John Aiso  
 Los Angeles, California

Sample ID	Sampling Date	TPHG (C4-C12)	TPHD (C13-C22)	TPH-WO (C23-C40)	Benzene	Toluene	Ethylbenzene	Xylenes	
		EPA Method 8015M (mg/L)							
MW-7	6/29/07	ND < 100	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	
(cont.)	9/28/07	ND < 100	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	
	7/18/08	ND < 100	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	
	9/30/09	ND < 100	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	
	12/15/09	well abandoned							

**TABLE 2**  
**SUMMARY OF GROUNDWATER RESULTS**  
**TOTAL PETROLEUM HYDROCARBONS AND VOLATILE ORGANIC COMPOUNDS**

**PARKER CENTER**  
 151 Judge John Aiso  
 Los Angeles, California

Sample ID	Sampling Date	TPHG (C4-C12)	TPHD (C13-C22)	TPH-WO (C23-C40)	Benzene	Toluene	Ethylbenzene	Xylenes
		EPA Method 8015M (mg/L)				EPA Method 8260/8260B (ug/L)		
MW-8	1/29/01	17,556	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	8/30/01	15,100	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	2/27/02	10,674	ND < 500	ND < 1,000	ND < 0.5	21.5	17.9	34.1
	4/24/02	12,977	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	27.3
	12/12/02	21,703	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	3/12/03	12,410	ND < 500	ND < 1,000	37.8	93.7	122.4	455.8
	6/12/03	13,272	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	9/9/03	19,184	ND < 500	ND < 1,000	14.1	ND < 0.5	ND < 0.5	ND < 0.5
	12/29/03	6,280	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	3/26/04	5,007	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	6/9/04	9,230	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	9/2/04	4,090	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	12/31/04	5,828	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	4/12/05	3,228	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	6/20/05	1,368	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	9/9/05	330	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	4/3/06	4,320	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	6/30/06	1,951	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	1/5/07	1,291	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	3/31/07	3,175	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5

**TABLE 2**  
**SUMMARY OF GROUNDWATER RESULTS**  
**TOTAL PETROLEUM HYDROCARBONS AND VOLATILE ORGANIC COMPOUNDS**

**PARKER CENTER**  
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 Los Angeles, California

Sample ID	Sampling Date	TPHG (C4-C12)	TPHD (C13-C22)	TPH-WO (C23-C40)	Benzene	Toluene	Ethylbenzene	Xylenes	
		EPA Method 8015M (mg/L)							
MW-8	6/29/07	1,424	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	
(cont.)	9/28/07	NS	NS	NS	NS	NS	NS	NS	
	7/18/08	900	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	
	9/30/09	ND < 100	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	
	12/15/09	well abandoned							

**TABLE 2**  
**SUMMARY OF GROUNDWATER RESULTS**  
**TOTAL PETROLEUM HYDROCARBONS AND VOLATILE ORGANIC COMPOUNDS**

**PARKER CENTER**  
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 Los Angeles, California

Sample ID	Sampling Date	TPHG (C4-C12)	TPHD (C13-C22)	TPH-WO (C23-C40)	Benzene	Toluene	Ethylbenzene	Xylenes
		EPA Method 8015M (mg/L)				EPA Method 8260/8260B (ug/L)		
MW-9	4/24/02	ND < 100	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	12/12/02	ND < 100	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	3/12/03	ND < 100	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	6/12/03	ND < 100	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	9/9/03	ND < 100	ND < 500	ND < 1,000	0.8	ND < 0.5	ND < 0.5	ND < 0.5
	12/29/03	130	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	3/26/04	720	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	6/9/04	810	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	9/2/04	503	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	12/31/04	602	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	4/12/05	293	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	6/20/05	414	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	9/9/05	NS	NS	NS	NS	NS	NS	NS
	4/3/06	395	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	6/30/06	ND < 100	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	1/5/07	ND < 100	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	3/31/07	ND < 100	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5

**TABLE 2**  
**SUMMARY OF GROUNDWATER RESULTS**  
**TOTAL PETROLEUM HYDROCARBONS AND VOLATILE ORGANIC COMPOUNDS**

**PARKER CENTER**  
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Sample ID	Sampling Date	TPHG (C4-C12)	TPHD (C13-C22)	TPH-WO (C23-C40)	Benzene	Toluene	Ethylbenzene	Xylenes
		EPA Method 8260/8260B (ug/L)						
MW-9	6/29/07	ND < 100	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
(cont.)	9/28/07	ND < 100	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	7/18/08	ND < 100	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	9/30/09	ND < 100	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	12/15/09	well abandoned						

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**SUMMARY OF GROUNDWATER RESULTS**  
**TOTAL PETROLEUM HYDROCARBONS AND VOLATILE ORGANIC COMPOUNDS**

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Sample ID	Sampling Date	TPHG (C4-C12)	TPHD (C13-C22)	TPH-WO (C23-C40)	Benzene	Toluene	Ethylbenzene	Xylenes
		EPA Method 8015M (mg/L)						
MW-10	4/24/02	ND < 100	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	12/12/02	ND < 100	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	3/12/03	ND < 100	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	6/12/03	ND < 100	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	9/9/03	ND < 100	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	12/29/03	ND < 100	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	3/26/04	ND < 100	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	6/9/04	ND < 100	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	9/2/04	ND < 100	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	12/31/04	ND < 100	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	4/12/05	ND < 100	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	6/20/05	ND < 100	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	9/9/05	ND < 100	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	4/3/06	ND < 100	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	6/30/06	ND < 100	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	1/5/07	ND < 100	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	3/31/07	ND < 100	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5



**TABLE 2**  
**SUMMARY OF GROUNDWATER RESULTS**  
**TOTAL PETROLEUM HYDROCARBONS AND VOLATILE ORGANIC COMPOUNDS**

**PARKER CENTER**  
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 Los Angeles, California

Sample ID	Sampling Date	TPHG (C4-C12)	TPHD (C13-C22)	TPH-WO (C23-C40)	Benzene	Toluene	Ethylbenzene	Xylenes
		EPA Method 8015M (mg/L)				EPA Method 8260/8260B (ug/L)		
MW-10	6/29/07	ND < 100	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
(cont.)	9/28/07	ND < 100	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	7/18/08	ND < 100	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	9/30/09	ND < 100	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	12/15/09	0.2	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	3/15/10	ND < 100	NA	NA	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	6/14/10	ND < 100	NA	NA	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	9/20/10	ND < 100	NA	NA	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	12/28/10	ND < 100	NA	NA	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	3/15/11	ND < 100	NA	NA	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	6/14/11	ND < 100	NA	NA	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	9/9/11	ND < 100	NA	NA	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	12/19/11	ND < 100	NA	NA	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	3/15/12	ND < 100	NA	NA	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	5/29/12	ND < 100	NA	NA	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5

**TABLE 2**  
**SUMMARY OF GROUNDWATER RESULTS**  
**TOTAL PETROLEUM HYDROCARBONS AND VOLATILE ORGANIC COMPOUNDS**

**PARKER CENTER**  
 151 Judge John Aiso  
 Los Angeles, California

Sample ID	Sampling Date	TPHG (C4-C12)	TPHD (C13-C22)	TPH-WO (C23-C40)	Benzene	Toluene	Ethylbenzene	Xylenes
		EPA Method 8260/8260B (ug/L)						
MW-11	4/24/02	ND < 100	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	12/12/02	ND < 100	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	3/12/03	ND < 100	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	6/12/03	ND < 100	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	9/9/03	ND < 100	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	12/29/03	ND < 100	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	3/26/04	ND < 100	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	6/9/04	237	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	9/2/04	ND < 100	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	12/31/04	ND < 100	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	4/12/05	ND < 100	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	6/20/05	ND < 100	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	9/9/05	ND < 100	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	4/3/06	ND < 100	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	6/30/06	ND < 100	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	1/5/07	ND < 100	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	3/31/07	ND < 100	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5

**TABLE 2**  
**SUMMARY OF GROUNDWATER RESULTS**  
**TOTAL PETROLEUM HYDROCARBONS AND VOLATILE ORGANIC COMPOUNDS**

**PARKER CENTER**  
 151 Judge John Aiso  
 Los Angeles, California

Sample ID	Sampling Date	TPHG (C4-C12)	TPHD (C13-C22)	TPH-WO (C23-C40)	Benzene	Toluene	Ethylbenzene	Xylenes
		EPA Method 8015M (mg/L)				EPA Method 8260/8260B (ug/L)		
MW-11	6/29/07	ND < 100	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
(cont.)	9/28/07	ND < 100	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	7/18/08	ND < 100	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	9/30/09	ND < 100	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	12/15/09	0.5	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	3/15/10	ND < 100	NA	NA	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	6/14/10	ND < 100	NA	NA	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	9/20/10	ND < 100	NA	NA	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	12/28/10	ND < 100	NA	NA	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	3/15/11	ND < 100	NA	NA	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	6/14/11	ND < 100	NA	NA	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	9/9/11	ND < 100	NA	NA	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	12/19/11	ND < 100	NA	NA	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	3/15/12	ND < 100	NA	NA	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	5/29/12	ND < 100	NA	NA	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5

**TABLE 2**  
**SUMMARY OF GROUNDWATER RESULTS**  
**TOTAL PETROLEUM HYDROCARBONS AND VOLATILE ORGANIC COMPOUNDS**

**PARKER CENTER**  
 151 Judge John Aiso  
 Los Angeles, California

Sample ID	Sampling Date	TPHG (C4-C12)	TPHD (C13-C22)	TPH-WO (C23-C40)	Benzene	Toluene	Ethylbenzene	Xylenes
		EPA Method 8260/8260B (ug/L)						
MW-12	4/24/02	260	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	12/12/02	ND < 100	ND < 500	ND < 1,000	ND < 0.5	1.5	3.0	6.6
	3/12/03	ND < 100	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	6/12/03	ND < 100	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	9/9/03	478	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	12/29/03	1,178	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	3/26/04	2,952	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	6/9/04	6,987	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	9/2/04	7,848	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	12/31/04	10,555	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	4/12/05	6,098	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	6/20/05	1,556	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	9/9/05	870	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	4/3/06	1,480	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	6/30/06	1,279	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	1/5/07	1,075	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	3/31/07	3,457	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5

**TABLE 2**  
**SUMMARY OF GROUNDWATER RESULTS**  
**TOTAL PETROLEUM HYDROCARBONS AND VOLATILE ORGANIC COMPOUNDS**

**PARKER CENTER**  
 151 Judge John Aiso  
 Los Angeles, California

Sample ID	Sampling Date	TPHG (C4-C12)	TPHD (C13-C22)	TPH-WO (C23-C40)	Benzene	Toluene	Ethylbenzene	Xylenes
		EPA Method 8015M (mg/L)				EPA Method 8260/8260B (ug/L)		
MW-12	6/29/07	1,588	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
(cont.)	9/28/07	1,530	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	7/18/08	400	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	9/30/09	ND < 100	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	12/15/09	well abandoned						

**TABLE 2**  
**SUMMARY OF GROUNDWATER RESULTS**  
**TOTAL PETROLEUM HYDROCARBONS AND VOLATILE ORGANIC COMPOUNDS**

PARKER CENTER  
 151 Judge John Aiso  
 Los Angeles, California

Sample ID	Sampling Date	TPHG (C4-C12)	TPHD (C13-C22)	TPH-WO (C23-C40)	Benzene	Toluene	Ethylbenzene	Xylenes
		EPA Method 8015M (mg/L)				EPA Method 8260/8260B (ug/L)		
MW-13	4/24/02	ND < 100	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	12/12/02	ND < 100	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	3/12/03	ND < 100	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	6/12/03	ND < 100	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	9/9/03	174	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	12/29/03	NS	NS	NS	NS	NS	NS	NS
	3/26/04	ND < 100	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	6/9/04	ND < 100	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	9/2/04	ND < 100	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	12/31/04	ND < 100	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	4/12/05	ND < 100	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	6/20/05	ND < 100	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	9/9/05	ND < 100	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	4/3/06	ND < 100	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	6/30/06	ND < 100	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	1/5/07	ND < 100	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	3/31/07	ND < 100	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5

**TABLE 2**  
**SUMMARY OF GROUNDWATER RESULTS**  
**TOTAL PETROLEUM HYDROCARBONS AND VOLATILE ORGANIC COMPOUNDS**

**PARKER CENTER**  
 151 Judge John Aiso  
 Los Angeles, California

Sample ID	Sampling Date	TPHG (C4-C12)	TPHD (C13-C22)	TPH-WO (C23-C40)	Benzene	Toluene	Ethylbenzene	Xylenes	
		EPA Method 8015M (mg/L)				EPA Method 8260/8260B (ug/L)			
MW-13	6/29/07	NS	NS	NS	NS	NS	NS	NS	
(cont.)	9/28/07	ND < 100	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	
	7/18/08	NS	NS	NS	NS	NS	NS	NS	
	9/30/09	ND < 100	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	
	12/15/09	well abandoned							

**TABLE 2**  
**SUMMARY OF GROUNDWATER RESULTS**  
**TOTAL PETROLEUM HYDROCARBONS AND VOLATILE ORGANIC COMPOUNDS**

**PARKER CENTER**  
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 Los Angeles, California

Sample ID	Sampling Date	TPHG (C4-C12)	TPHD (C13-C22)	TPH-WO (C23-C40)	Benzene	Toluene	Ethylbenzene	Xylenes
		EPA Method 8015M (mg/L)				EPA Method 8260/8260B (ug/L)		
MW-14	4/24/02	ND < 100	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	12/12/02	ND < 100	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	3/12/03	ND < 100	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	6/12/03	ND < 100	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	9/9/03	ND < 100	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	12/29/03	ND < 100	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	3/26/04	ND < 100	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	6/9/04	ND < 100	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	9/2/04	ND < 100	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	12/31/04	ND < 100	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	4/12/05	ND < 100	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	6/20/05	ND < 100	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	9/9/05	ND < 100	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	4/3/06	ND < 100	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	6/30/06	ND < 100	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	1/5/07	NS	NS	NS	NS	NS	NS	NS
	3/31/07	NS	NS	NS	NS	NS	NS	NS



**TABLE 2**  
**SUMMARY OF GROUNDWATER RESULTS**  
**TOTAL PETROLEUM HYDROCARBONS AND VOLATILE ORGANIC COMPOUNDS**

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Sample ID	Sampling Date	TPHG (C4-C12)	TPHD (C13-C22)	TPH-WO (C23-C40)	Benzene	Toluene	Ethylbenzene	Xylenes	
		EPA Method 8260/8260B (ug/L)							
MW-14	6/29/07	NS	NS	NS	NS	NS	NS	NS	
(cont.)	9/28/07	NS	NS	NS	NS	NS	NS	NS	
	7/18/08	NS	NS	NS	NS	NS	NS	NS	
	9/30/09	ND < 100	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	
	12/15/09	well abandoned							

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**TOTAL PETROLEUM HYDROCARBONS AND VOLATILE ORGANIC COMPOUNDS**

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Sample ID	Sampling Date	TPHG (C4-C12)	TPHD (C13-C22)	TPH-WO (C23-C40)	Benzene	Toluene	Ethylbenzene	Xylenes
		EPA Method 8015M (mg/L)				EPA Method 8260/8260B (ug/L)		
MW-15	4/24/02	1,050	ND < 500	ND < 1,000	2.0	ND < 0.5	ND < 0.5	ND < 0.5
	12/12/02	5,404	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	3/12/03	1,024	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	6/12/03	710	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	9/9/03	4,525	ND < 500	ND < 1,000	3.0	ND < 0.5	ND < 0.5	ND < 0.5
	12/29/03	5,839	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	3/26/04	5,330	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	6/9/04	7,205	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	9/2/04	4,391	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	12/31/04	15,850	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	4/12/05	780	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	6/20/05	2,172	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	9/9/05	325	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	4/3/06	NS	NS	NS	NS	NS	NS	NS
	6/30/06	ND < 100	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	1/5/07	NS	NS	NS	NS	NS	NS	NS
	3/31/07	ND < 100	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5

**TABLE 2**  
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**TOTAL PETROLEUM HYDROCARBONS AND VOLATILE ORGANIC COMPOUNDS**

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Sample ID	Sampling Date	EPA Method 8015M (mg/L)				EPA Method 8260/8260B (ug/L)			
		TPHG (C4-C12)	TPHD (C13-C22)	TPH-WO (C23-C40)	Benzene	Toluene	Ethylbenzene	Xylenes	
MW-15	6/29/07	ND < 100	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	
(cont.)	9/28/07	ND < 100	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	
	7/18/08	NS	NS	NS	NS	NS	NS	NS	
	9/30/09	ND < 100	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	
	12/15/09	ND < 100	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	
	3/15/10	ND < 100	NA	NA	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	
	6/14/10	ND < 100	NA	NA	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	
	9/20/10	ND < 100	NA	NA	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	
	12/28/10	ND < 100	NA	NA	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	
	3/15/11	ND < 100	NA	NA	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	
	6/14/11	ND < 100	NA	NA	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	
	9/9/11	ND < 100	NA	NA	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	
	12/19/11	ND < 100	NA	NA	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	
	3/15/12	ND < 100	NA	NA	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	
	5/29/12	ND < 100	NA	NA	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	

**TABLE 2**  
**SUMMARY OF GROUNDWATER RESULTS**  
**TOTAL PETROLEUM HYDROCARBONS AND VOLATILE ORGANIC COMPOUNDS**

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Sample ID	Sampling Date	TPHG (C4-C12)	TPHD (C13-C22)	TPH-WO (C23-C40)	Benzene	Toluene	Ethylbenzene	Xylenes
		EPA Method 8015M (mg/L)				EPA Method 8260/8260B (ug/L)		
MW-16	4/24/02	ND < 100	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	12/12/02	178	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	3/12/03	130	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	6/12/03	122	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	9/9/03	428	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	12/29/03	1,526	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	3/26/04	2,850	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	6/9/04	5,060	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	9/2/04	2,810	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	12/31/04	6,073	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	4/12/05	1,130	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	6/20/05	522	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	9/9/05	112	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	4/3/06	386	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	6/30/06	256	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	1/5/07	ND < 100	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5
	3/31/07	272	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5

**TABLE 2**  
**SUMMARY OF GROUNDWATER RESULTS**  
**TOTAL PETROLEUM HYDROCARBONS AND VOLATILE ORGANIC COMPOUNDS**

**PARKER CENTER**  
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 Los Angeles, California

Sample ID	Sampling Date	TPHG (C4-C12)	TPHD (C13-C22)	TPH-WO (C23-C40)	Benzene	Toluene	Ethylbenzene	Xylenes	
		EPA Method 8015M (mg/L)							
MW-16	6/29/07	146	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	
(cont.)	9/28/07	181	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	
	7/18/08	ND < 100	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	
	9/30/09	ND < 100	ND < 500	ND < 1,000	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	
	12/15/09	well abandoned							

TPHG - Total petroleum hydrocarbons - gasoline range

TPHD - Total petroleum hydrocarbons - diesel range

TPHWO - Total petroleum hydrocarbons - waste oil range

TPH concentrations reported in milligrams per liter (mg/L)

Volatile organic compound concentrations reported in micrograms per liter (ug/L)

ND - Not detected above the specified detection limit

NS - Not sampled

**TABLE 3  
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS  
FUEL OXYGENATES**

**PARKER CENTER  
151 Judge John Aiso  
Los Angeles, California**

Sample ID	Sampling Date	ETBE	TAME	DIPE	TBA	MTBE
		EPA Method 8260B (ug/L)				
MW-1	10/4/00	ND < 2	71	ND < 2	ND < 10	79,990
	1/29/01	ND < 2	ND < 2	ND < 2	ND < 10	44,164
	8/30/01	ND < 2	ND < 2	ND < 2	2,340	64,500
	2/27/02	ND < 2	ND < 2	ND < 2	ND < 10	18,843
	4/24/02	NA	NA	NA	NA	20,916
	12/12/02	ND < 2	ND < 2	ND < 2	20,222	12,981
	3/12/03	ND < 2	ND < 2	ND < 2	9,887	2,512
	6/12/03	ND < 2	ND < 2	ND < 2	9,009	255
	9/9/03	ND < 2	ND < 2	ND < 2	5,783	108
	12/29/03	ND < 2	ND < 2	ND < 2	4,327	5
	3/26/04	ND < 2	ND < 2	ND < 2	1,930	12
	6/9/04	ND < 2	ND < 2	ND < 2	9,009	8
	9/2/04	ND < 2	ND < 2	ND < 2	3,559	2
	12/31/04	ND < 2	ND < 2	ND < 2	5,586	ND < 2
	4/12/05	ND < 2	ND < 2	ND < 2	2,235	ND < 2
	6/20/05	ND < 2	ND < 2	ND < 2	733	2
	9/9/05	ND < 2	ND < 2	ND < 2	65	ND < 2
	4/3/06	ND < 2	ND < 2	ND < 2	286.6	3.5
	6/30/06	ND < 1	ND < 1	ND < 1	28.9	3.9
	1/5/07	ND < 1	ND < 1	ND < 1	92.9	ND < 1
	3/31/07	ND < 1	ND < 1	ND < 1	309.7	1.6
	6/29/07	ND < 1	ND < 1	ND < 1	81.3	ND < 1
	9/28/07	ND < 1	ND < 1	ND < 1	50.0	ND < 1
7/18/08	ND < 1	ND < 1	ND < 1	61.2	ND < 1	
9/30/09	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1	
12/15/09		well abandoned				

**TABLE 3  
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS  
FUEL OXYGENATES**

**PARKER CENTER  
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Sample ID	Sampling Date	ETBE	TAME	DIPE	TBA	MTBE
		EPA Method 8260B (ug/L)				
MW-2	10/4/00	ND < 2	309	ND < 2	ND < 10	11,589
	1/29/01	ND < 2	ND < 2	ND < 2	ND < 10	2,438
	8/30/01	ND < 2	268	ND < 2	275	5,530
	2/27/02	ND < 2	12	ND < 2	ND < 10	341
	4/24/02	NA	NA	NA	NA	228
	12/12/02	ND < 2	ND < 2	ND < 2	152	32
	3/12/03	ND < 2	ND < 2	ND < 2	479	51
	6/12/03	ND < 2	ND < 2	ND < 2	1,116	36
	9/9/03	FP	FP	FP	FP	FP
	12/29/03	FP	FP	FP	FP	FP
	3/26/04	FP	FP	FP	FP	FP
	6/9/04	FP	FP	FP	FP	FP
	9/2/04	FP	FP	FP	FP	FP
	12/31/04	FP	FP	FP	FP	FP
	4/12/05	FP	FP	FP	FP	FP
	6/20/05	FP	FP	FP	FP	FP
	9/9/05	FP	FP	FP	FP	FP
	4/3/06	FP	FP	FP	FP	FP
	6/30/06	FP	FP	FP	FP	FP
	1/5/07	FP	FP	FP	FP	FP
	3/31/07	FP	FP	FP	FP	FP
	6/29/07	FP	FP	FP	FP	FP
	9/28/07	FP	FP	FP	FP	FP
7/18/08	FP	FP	FP	FP	FP	
9/30/09	FP	FP	FP	FP	FP	
12/15/09	well abandoned					

**TABLE 3**  
**SUMMARY OF GROUNDWATER ANALYTICAL RESULTS**  
**FUEL OXYGENATES**

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Sample ID	Sampling Date	ETBE	TAME	DIPE	TBA	MTBE
		EPA Method 8260B (ug/L)				
MW-3	10/4/00	ND < 2	71	ND < 2	ND < 10	17,444
	1/29/01	ND < 2	ND < 2	ND < 2	ND < 10	23,974
	8/30/01	ND < 2	845	ND < 2	1,940	36,000
	2/27/02	ND < 2	242	ND < 2	ND < 10	16,759
	4/24/02	NA	NA	NA	NA	22,345
	12/12/02	ND < 2	ND < 2	ND < 2	3,337	106
	3/12/03	ND < 2	ND < 2	ND < 2	1,773	54
	6/12/03	ND < 2	ND < 2	ND < 2	2,539	162
	9/9/03	ND < 2	ND < 2	ND < 2	3,424	110
	12/29/03	ND < 2	ND < 2	ND < 2	1,859	161
	3/26/04	ND < 2	ND < 2	ND < 2	1,516	326
	6/9/04	ND < 2	ND < 2	ND < 2	3,915	341
	9/2/04	ND < 2	ND < 2	ND < 2	1,201	168
	12/31/04	ND < 2	ND < 2	ND < 2	1,540	242
	4/12/05	ND < 2	ND < 2	ND < 2	1,115	227
	6/20/05	ND < 2	ND < 2	ND < 2	514	70
	9/9/05	ND < 2	ND < 2	ND < 2	83	20
	4/3/06	ND < 2	ND < 2	ND < 2	266.0	17.8
	6/30/06	ND < 1	ND < 1	ND < 1	103.7	14.6
	1/5/07	ND < 1	ND < 1	ND < 1	45.3	ND < 1
	3/31/07	ND < 1	ND < 1	ND < 1	153.6	5.0
	6/29/07	ND < 1	ND < 1	ND < 1	85.7	5.8
	9/28/07	ND < 1	ND < 1	ND < 1	72.6	8.1
7/18/08	ND < 1	ND < 1	ND < 1	75.9	27.2	
9/30/09	ND < 1	ND < 1	ND < 1	36.7	18.0	
12/15/09	well abandoned					



**TABLE 3**  
**SUMMARY OF GROUNDWATER ANALYTICAL RESULTS**  
**FUEL OXYGENATES**

**PARKER CENTER**  
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Sample ID	Sampling Date	ETBE	TAME	DIPE	TBA	MTBE
		EPA Method 8260B (ug/L)				
MW-4	1/29/01	ND < 2	ND < 2	ND < 2	ND < 10	2,251
	8/30/01	ND < 2	9	ND < 2	124	2,790
	2/27/02	ND < 2	ND < 2	ND < 2	ND < 10	632
	4/24/02	NA	NA	NA	NA	617
	12/12/02	ND < 2	ND < 2	ND < 2	56	13
	3/12/03	ND < 2	ND < 2	ND < 2	89	11
	6/12/03	ND < 2	ND < 2	ND < 2	34	5
	9/9/03	ND < 2	ND < 2	ND < 2	146	3
	12/29/03	ND < 2	ND < 2	ND < 2	229	2
	3/26/04	ND < 2	ND < 2	ND < 2	147	ND < 2
	6/9/04	ND < 2	ND < 2	ND < 2	423	3
	9/2/04	ND < 2	ND < 2	ND < 2	414	8
	12/31/04	ND < 2	ND < 2	ND < 2	2,169	79
	4/12/05	NS	NS	NS	NS	NS
	6/20/05	ND < 2	ND < 2	ND < 2	ND < 10	2
	9/9/05	ND < 2	ND < 2	ND < 2	ND < 10	20
	4/3/06	NS	NS	NS	NS	NS
	6/30/06	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
	1/5/07	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
	3/31/07	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
	6/29/07	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
	9/28/07	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
	7/18/08	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
	9/30/09	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
	12/15/09	ND < 1	ND < 1	ND < 1	ND < 10	3.5
	3/15/10	NS	NS	NS	NS	NS
	6/14/10	NS	NS	NS	NS	NS
	9/20/10	NS	NS	NS	NS	NS
	12/28/10	NS	NS	NS	NS	NS
	3/15/11	NS	NS	NS	NS	NS
6/14/11	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1	
9/9/11	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1	
12/19/11	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1	

**TABLE 3  
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS  
FUEL OXYGENATES**

**PARKER CENTER**  
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Sample ID	Sampling Date	ETBE	TAME	DIPE	TBA	MTBE
		EPA Method 8260B (ug/L)				
MW-4 (cont.)	3/15/12	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
	5/29/12	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1

**TABLE 3  
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS  
FUEL OXYGENATES**

**PARKER CENTER  
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Sample ID	Sampling Date	ETBE	TAME	DIPE	TBA	MTBE
		EPA Method 8260B (ug/L)				
MW-5	1/29/01	ND < 2	ND < 2	ND < 2	ND < 10	66
	8/30/01	ND < 2	ND < 2	ND < 2	ND < 10	167
	2/27/02	ND < 2	ND < 2	ND < 2	ND < 10	81
	4/24/02	NA	NA	NA	NA	46
	12/12/02	ND < 2	ND < 2	ND < 2	ND < 10	ND < 2
	3/12/03	ND < 2	ND < 2	ND < 2	ND < 10	22
	6/12/03	ND < 2	ND < 2	ND < 2	ND < 10	27
	9/9/03	ND < 2	ND < 2	ND < 2	ND < 10	36
	12/29/03	ND < 2	ND < 2	ND < 2	ND < 10	26
	3/26/04	ND < 2	ND < 2	ND < 2	ND < 10	29
	6/9/04	ND < 2	ND < 2	ND < 2	ND < 10	35
	9/2/04	ND < 2	ND < 2	ND < 2	ND < 10	36
	12/31/04	ND < 2	ND < 2	ND < 2	ND < 10	39
	4/12/05	ND < 2	ND < 2	ND < 2	ND < 10	11
	6/20/05	ND < 2	ND < 2	ND < 2	ND < 10	6
	9/9/05	ND < 2	ND < 2	ND < 2	ND < 10	3
	4/3/06	ND < 2	ND < 2	ND < 2	ND < 10	7.1
	6/30/06	ND < 1	ND < 1	ND < 1	ND < 10	4.0
	1/5/07	ND < 1	ND < 1	ND < 1	ND < 10	3.8
	3/31/07	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
6/29/07	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1	
9/28/07	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1	
7/18/08	ND < 1	ND < 1	ND < 1	ND < 10	3.1	
9/30/09	ND < 1	ND < 1	ND < 1	ND < 10	5.2	
12/15/09	well abandoned					

**TABLE 3  
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS  
FUEL OXYGENATES**

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Sample ID	Sampling Date	ETBE	TAME	DIPE	TBA	MTBE
		EPA Method 8260B (ug/L)				
MW-6	1/29/01	ND < 2	ND < 2	ND < 2	ND < 10	ND < 2
	8/30/01	ND < 2	ND < 2	100	800	20,000
	2/27/02	ND < 2	7	ND < 2	ND < 10	4,538
	4/24/02	NA	NA	NA	NA	3,894
	12/12/02	ND < 2	ND < 2	ND < 2	3,575	4,956
	3/12/03	ND < 2	2	ND < 2	460	551
	6/12/03	ND < 2	ND < 2	ND < 2	5,872	6,254
	9/9/03	ND < 2	ND < 2	ND < 2	6,611	3,413
	12/29/03	ND < 2	ND < 2	ND < 2	2,742	1,544
	3/26/04	ND < 2	ND < 2	ND < 2	2,525	1,204
	6/9/04	ND < 2	ND < 2	ND < 2	9,831	218
	9/2/04	ND < 2	ND < 2	ND < 2	5,096	16
	12/31/04	ND < 2	ND < 2	ND < 2	10,246	15
	4/12/05	ND < 2	ND < 2	ND < 2	12,178	9
	6/20/05	ND < 2	ND < 2	ND < 2	2,531	2
	9/9/05	ND < 2	ND < 2	ND < 2	644	ND < 2
	4/3/06	ND < 2	ND < 2	ND < 2	388.8	4.4
	6/30/06	ND < 1	ND < 1	ND < 1	ND < 10	2.7
	1/5/07	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
	3/31/07	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
	6/29/07	ND < 1	ND < 1	ND < 1	321.3	ND < 1
	9/28/07	ND < 1	ND < 1	ND < 1	309.0	ND < 1
	7/18/08	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
	9/30/09	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
	12/15/09	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
	3/15/10	ND < 2	ND < 2	ND < 2	40.0	ND < 2
	6/14/10	ND < 2	ND < 2	ND < 2	ND < 10	ND < 2
	9/20/10	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
	12/28/10	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
	3/15/11	ND < 1	ND < 1	ND < 1	ND < 10	5.1
6/14/11	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1	
9/9/11	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1	
12/19/11	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1	

**TABLE 3**  
**SUMMARY OF GROUNDWATER ANALYTICAL RESULTS**  
**FUEL OXYGENATES**

**PARKER CENTER**  
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Sample ID	Sampling Date	ETBE	TAME	DIPE	TBA	MTBE
		EPA Method 8260B (ug/L)				
MW-6 (cont.)	3/15/12	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
	5/29/12	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1

**TABLE 3  
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS  
FUEL OXYGENATES**

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Sample ID	Sampling Date	ETBE	TAME	DIPE	TBA	MTBE
		EPA Method 8260B (ug/L)				
MW-7	1/29/01	ND < 2	ND < 2	ND < 2	ND < 10	1,090
	8/30/01	ND < 2	ND < 2	ND < 2	1,800	48,100
	2/27/02	ND < 2	ND < 2	ND < 2	ND < 10	5,371
	4/24/02	NA	NA	NA	NA	4,755
	12/12/02	ND < 2	ND < 2	ND < 2	170	179
	3/12/03	ND < 2	ND < 2	ND < 2	316	53
	6/12/03	ND < 2	ND < 2	ND < 2	869	27
	9/9/03	ND < 2	ND < 2	ND < 2	1,279	23
	12/29/03	ND < 2	ND < 2	ND < 2	1,608	21
	3/26/04	ND < 2	ND < 2	ND < 2	1,219	13
	6/9/04	ND < 2	ND < 2	ND < 2	1,974	35
	9/2/04	ND < 2	ND < 2	ND < 2	1,681	63
	12/31/04	ND < 2	ND < 2	ND < 2	2,061	23
	4/12/05	ND < 2	ND < 2	ND < 2	727	18
	6/20/05	ND < 2	ND < 2	ND < 2	393	9
	9/9/05	ND < 2	ND < 2	ND < 2	ND < 10	ND < 2
	4/3/06	NS	NS	NS	NS	NS
	6/30/06	ND < 1	ND < 1	ND < 1	ND < 10	1.7
	1/5/07	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
	3/31/07	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
	6/29/07	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
	9/28/07	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
7/18/08	NS	NS	NS	NS	NS	
9/30/09	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1	
12/15/09	well abandoned					

**TABLE 3  
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS  
FUEL OXYGENATES**

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Sample ID	Sampling Date	ETBE	TAME	DIPE	TBA	MTBE
		EPA Method 8260B (ug/L)				
MW-8	1/29/01	ND < 2	ND < 2	ND < 2	ND < 10	13,108
	8/30/01	ND < 2	ND < 2	ND < 2	ND < 10	ND < 2
	2/27/02	ND < 2	ND < 2	ND < 2	ND < 10	10,590
	4/24/02	NA	NA	NA	NA	22,227
	12/12/02	ND < 2	ND < 2	ND < 2	14,465	7,238
	3/12/03	ND < 2	ND < 2	ND < 2	5,843	5,877
	6/12/03	ND < 2	ND < 2	ND < 2	5,663	8,064
	9/9/03	ND < 2	ND < 2	ND < 2	17,560	1,624
	12/29/03	ND < 2	ND < 2	ND < 2	5,898	382
	3/26/04	ND < 2	ND < 2	ND < 2	4,981	26
	6/9/04	ND < 2	ND < 2	ND < 2	9,220	4
	9/2/04	ND < 2	ND < 2	ND < 2	4,087	3
	12/31/04	ND < 2	ND < 2	ND < 2	4,854	3
	4/12/05	ND < 2	ND < 2	ND < 2	3,227	ND < 2
	6/20/05	ND < 2	ND < 2	ND < 2	1,140	ND , 2
	9/9/05	ND < 2	ND < 2	ND < 2	275	ND < 2
	4/3/06	ND < 2	ND < 2	ND < 2	3,600.2	12.9
	6/30/06	ND < 1	ND < 1	ND < 1	1,615.4	11.1
	1/5/07	ND < 1	ND < 1	ND < 1	1,070.5	6.3
	3/31/07	ND < 1	ND < 1	ND < 1	2,646.2	4.3
	6/29/07	ND < 1	ND < 1	ND < 1	1,187.3	1.4
	9/28/07	NS	NS	NS	NS	NS
	7/18/08	ND < 2	ND < 2	ND < 2	767.0	ND < 1
9/30/09	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1	
12/15/09	well abandoned					

**TABLE 3**  
**SUMMARY OF GROUNDWATER ANALYTICAL RESULTS**  
**FUEL OXYGENATES**

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Sample ID	Sampling Date	ETBE	TAME	DIPE	TBA	MTBE
		EPA Method 8260B (ug/L)				
MW-9	4/24/02	NA	NA	NA	NA	ND < 2
	12/12/02	ND < 2	ND < 2	ND < 2	ND < 10	ND < 2
	3/12/03	ND < 2	ND < 2	ND < 2	ND < 10	ND < 2
	6/12/03	ND < 2	ND < 2	ND < 2	ND < 10	ND < 2
	9/9/03	ND < 2	ND < 2	ND < 2	ND < 10	14
	12/29/03	ND < 2	ND < 2	ND < 2	ND < 10	130
	3/26/04	ND < 2	ND < 2	ND < 2	156	564
	6/9/04	ND < 2	ND < 2	ND < 2	485	325
	9/2/04	ND < 2	ND < 2	ND < 2	117	387
	12/31/04	ND < 2	ND < 2	ND < 2	368	134
	4/12/05	ND < 2	ND < 2	ND < 2	191	53
	6/20/05	ND < 2	ND < 2	ND < 2	310	35
	9/9/05	NS	NS	NS	NS	NS
	4/3/06	ND < 2	ND < 2	ND < 2	329.5	3.6
	6/30/06	ND < 1	ND < 1	ND < 1	78.6	1.4
	1/5/07	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
	3/31/07	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
	6/29/07	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
	9/28/07	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
	7/18/08	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
9/30/09	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1	
12/15/09	well abandoned					



**TABLE 3  
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS  
FUEL OXYGENATES**

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Sample ID	Sampling Date	ETBE	TAME	DIPE	TBA	MTBE
		EPA Method 8260B (ug/L)				
MW-10	4/24/02	NA	NA	NA	NA	ND < 2
	12/12/02	ND < 2	ND < 2	ND < 2	ND < 10	ND < 2
	3/12/03	ND < 2	ND < 2	ND < 2	ND < 10	ND < 2
	6/12/03	ND < 2	ND < 2	ND < 2	ND < 10	ND < 2
	9/9/03	ND < 2	ND < 2	ND < 2	ND < 10	ND < 2
	12/29/03	ND < 2	ND < 2	ND < 2	ND < 10	ND < 2
	3/26/04	ND < 2	ND < 2	ND < 2	ND < 10	ND < 2
	6/9/04	ND < 2	ND < 2	ND < 2	ND < 10	ND < 2
	9/2/04	ND < 2	ND < 2	ND < 2	ND < 10	ND < 2
	12/31/04	ND < 2	ND < 2	ND < 2	ND < 10	ND < 2
	4/12/05	ND < 2	ND < 2	ND < 2	ND < 10	ND < 2
	6/20/05	ND < 2	ND < 2	ND < 2	ND < 10	ND < 2
	9/9/05	ND < 2	ND < 2	ND < 2	ND < 10	ND < 2
	4/3/06	ND < 2	ND < 2	ND < 2	ND < 10	3.1
	6/30/06	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
	1/5/07	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
	3/31/07	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
	6/29/07	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
	9/28/07	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
	7/18/08	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
	9/30/09	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
	12/15/09	ND < 1	ND < 1	ND < 1	171.1	ND < 1
	3/15/10	ND < 2	ND < 2	ND < 2	64.0	ND < 2
	6/14/10	ND < 2	ND < 2	ND < 2	ND < 10	ND < 2
	9/20/10	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
	12/28/10	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
	3/15/11	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
	6/14/11	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
	9/9/11	ND < 1	ND < 1	ND < 1	36.0	ND < 1
	12/19/11	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
3/15/12	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1	
5/29/12	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1	

**TABLE 3  
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS  
FUEL OXYGENATES**

**PARKER CENTER**  
151 Judge John Aiso  
Los Angeles, California

Sample ID	Sampling Date	ETBE	TAME	DIPE	TBA	MTBE
		EPA Method 8260B (ug/L)				
MW-11	4/24/02	NA	NA	NA	NA	ND < 2
	12/12/02	ND < 2	ND < 2	ND < 2	ND < 10	ND < 2
	3/12/03	ND < 2	ND < 2	ND < 2	ND < 10	ND < 2
	6/12/03	ND < 2	ND < 2	ND < 2	ND < 10	ND < 2
	9/9/03	ND < 2	ND < 2	ND < 2	ND < 10	ND < 2
	12/29/03	ND < 2	ND < 2	ND < 2	ND < 10	1,072
	3/26/04	ND < 2	ND < 2	ND < 2	ND < 10	6
	6/9/04	ND < 2	ND < 2	ND < 2	231	6
	9/2/04	ND < 2	ND < 2	ND < 2	ND < 10	21
	12/31/04	ND < 2	ND < 2	ND < 2	ND < 10	12
	4/12/05	ND < 2	ND < 2	ND < 2	ND < 10	4
	6/20/05	ND < 2	ND < 2	ND < 2	ND < 10	3
	9/9/05	ND < 2	ND < 2	ND < 2	ND < 10	3
	4/3/06	ND < 2	ND < 2	ND < 2	ND < 10	ND < 2
	6/30/06	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
	1/5/07	ND < 1	ND < 1	ND < 1	ND < 10	3.0
	3/31/07	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
	6/29/07	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
	9/28/07	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
	7/18/08	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
	9/30/09	ND < 1	ND < 1	ND < 1	ND < 10	9.9
	12/15/09	ND < 1	ND < 1	ND < 1	407.8	10.8
	3/15/10	ND < 2	ND < 2	ND < 2	ND < 10	ND < 2
	6/14/10	ND < 2	ND < 2	ND < 2	ND < 10	ND < 2
	9/20/10	ND < 1	ND < 1	ND < 1	ND < 10	1.7
	12/28/10	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
	3/15/11	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
	6/14/11	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
	9/9/11	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
	12/19/11	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
3/15/12	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1	
5/29/12	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1	

**TABLE 3  
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS  
FUEL OXYGENATES**

**PARKER CENTER**  
151 Judge John Aiso  
Los Angeles, California

Sample ID	Sampling Date	ETBE	TAME	DIPE	TBA	MTBE
		EPA Method 8260B (ug/L)				
MW-12	4/24/02	NA	NA	NA	NA	274
	12/12/02	ND < 2	ND < 2	ND < 2	ND < 10	50
	3/12/03	ND < 2	ND < 2	ND < 2	ND < 10	20
	6/12/03	ND < 2	ND < 2	ND < 2	ND < 10	17
	9/9/03	ND < 2	ND < 2	ND < 2	ND < 10	478
	12/29/03	ND < 2	ND < 2	ND < 2	106	ND < 2
	3/26/04	ND < 2	ND < 2	ND < 2	731	2,221
	6/9/04	ND < 2	ND < 2	ND < 2	2,632	4,355
	9/2/04	ND < 2	ND < 2	ND < 2	5,656	2,162
	12/31/04	ND < 2	ND < 2	ND < 2	5,361	3,435
	4/12/05	ND < 2	ND < 2	ND < 2	4,035	1,047
	6/20/05	ND < 2	ND < 2	ND < 2	997	300
	9/9/05	ND < 2	ND < 2	ND < 2	450	275
	4/3/06	ND < 2	ND < 2	ND < 2	1,233.6	3.0
	6/30/06	ND < 1	ND < 1	ND < 1	1,066.8	3.3
	1/5/07	ND < 1	ND < 1	ND < 1	896.4	ND < 1
	3/31/07	ND < 1	ND < 1	ND < 1	2,881.8	1.2
	6/29/07	ND < 1	ND < 1	ND < 1	1,324.8	ND < 1
	9/28/07	ND < 1	ND < 1	ND < 1	1,359.3	ND < 1
	7/18/08	ND < 1	ND < 1	ND < 1	344.3	ND < 1
9/30/09	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1	
12/15/09				well abandoned		

**TABLE 3  
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS  
FUEL OXYGENATES**

**PARKER CENTER  
151 Judge John Aiso  
Los Angeles, California**

Sample ID	Sampling Date	ETBE	TAME	DIPE	TBA	MTBE
		EPA Method 8260B (ug/L)				
PMW-13	4/24/02	NA	NA	NA	NA	ND < 2
	12/12/02	ND < 2	ND < 2	ND < 2	ND < 10	8
	3/12/03	ND < 2	ND < 2	ND < 2	ND < 10	28
	6/12/03	ND < 2	ND < 2	ND < 2	ND < 10	76
	9/9/03	ND < 2	ND < 2	ND < 2	ND < 10	174
	12/29/03	NS	NS	NS	NS	NS
	3/26/04	ND < 2	ND < 2	ND < 2	ND < 10	38
	6/9/04	ND < 2	ND < 2	ND < 2	ND < 10	13
	9/2/04	ND < 2	ND < 2	ND < 2	ND < 10	10
	12/31/04	ND < 2	ND < 2	ND < 2	ND < 10	12
	4/12/05	ND < 2	ND < 2	ND < 2	ND < 10	9
	6/20/05	ND < 2	ND < 2	ND < 2	ND < 10	5
	9/9/05	ND < 2	ND < 2	ND < 2	ND < 10	3
	4/3/06	ND < 2	ND < 2	ND < 2	ND < 10	35.4
	6/30/06	ND < 1	ND < 1	ND < 1	55.2	24.2
	1/5/07	ND < 1	ND < 1	ND < 1	ND < 10	25.8
	3/31/07	ND < 1	ND < 1	ND < 1	ND < 10	24.9
	6/29/07	NS	NS	NS	NS	NS
	9/28/07	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
	7/18/08	NS	NS	NS	NS	NS
9/30/09	NS	NS	NS	NS	NS	
12/15/09	well abandoned					

**TABLE 3  
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS  
FUEL OXYGENATES**

**PARKER CENTER**  
151 Judge John Aiso  
Los Angeles, California

Sample ID	Sampling Date	ETBE	TAME	DIPE	TBA	MTBE
		EPA Method 8260B (ug/L)				
MW-14	4/24/02	ND < 2	ND < 2	ND < 2	ND < 10	ND < 2
	12/12/02	ND < 2	ND < 2	ND < 2	ND < 10	ND < 2
	3/12/03	ND < 2	ND < 2	ND < 2	ND < 10	ND < 2
	6/12/03	ND < 2	ND < 2	ND < 2	ND < 10	ND < 2
	9/9/03	ND < 2	ND < 2	ND < 2	ND < 10	ND < 2
	12/29/03	ND < 2	ND < 2	ND < 2	ND < 10	ND < 2
	3/26/04	ND < 2	ND < 2	ND < 2	ND < 10	ND < 2
	6/9/04	ND < 2	ND < 2	ND < 2	ND < 10	ND < 2
	9/2/04	ND < 2	ND < 2	ND < 2	ND < 10	ND < 2
	12/31/04	ND < 2	ND < 2	ND < 2	ND < 10	ND < 2
	4/12/05	ND < 2	ND < 2	ND < 2	ND < 10	ND < 2
	6/20/05	ND < 2	ND < 2	ND < 2	ND < 10	ND < 2
	9/9/05	ND < 2	ND < 2	ND < 2	ND < 10	ND < 2
	4/3/06	ND < 2	ND < 2	ND < 2	ND < 10	14.4
	6/30/06	ND < 1	ND < 1	ND < 1	ND < 10	15.1
	1/5/07	ND < 1	ND < 1	ND < 1	ND < 10	2.8
	3/31/07	NS	NS	NS	NS	NS
	6/29/07	NS	NS	NS	NS	NS
	9/28/07	NS	NS	NS	NS	NS
	7/18/08	NS	NS	NS	NS	NS
9/30/09	NS	NS	NS	NS	NS	
12/15/09	well abandoned					

**TABLE 3  
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS  
FUEL OXYGENATES**

**PARKER CENTER  
151 Judge John Aiso  
Los Angeles, California**

Sample ID	Sampling Date	ETBE	TAME	DIPE	TBA	MTBE
		EPA Method 8260B (ug/L)				
MW-15	4/24/02	NA	NA	NA	NA	797
	12/12/02	ND < 2	ND < 2	ND < 2	ND < 10	5311
	3/12/03	ND < 2	6	ND < 2	78	941
	6/12/03	ND < 2	ND < 2	ND < 2	528	181
	9/9/03	ND < 2	ND < 2	ND < 2	ND < 10	522
	12/29/03	ND < 2	ND < 2	ND < 2	5,135	804
	3/26/04	ND < 2	ND < 2	ND < 2	4,384	946
	6/9/04	ND < 2	ND < 2	ND < 2	7,183	22
	9/2/04	ND < 2	ND < 2	ND < 2	4,205	182
	12/31/04	ND < 2	ND < 2	ND < 2	12,596	612
	4/12/05	ND < 2	ND < 2	ND < 2	739	41
	6/20/05	ND < 2	ND < 2	ND < 2	1,643	167
	9/9/05	ND < 2	ND < 2	ND < 2	264	7
	4/3/06	NS	NS	NS	NS	NS
	6/30/06	ND < 1	ND < 1	ND < 1	65.2	7.2
	1/5/07	ND < 1	ND < 1	ND < 1	35.4	3.1
	3/31/07	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
	6/29/07	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
	9/28/07	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
	7/18/08	NS	NS	NS	NS	NS
	9/30/09	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
	12/15/09	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
	3/15/10	ND < 2	ND < 2	ND < 2	ND < 10	6.5
	6/14/10	ND < 2	ND < 2	ND < 2	ND < 10	ND < 2
	9/20/10	ND < 2	ND < 2	ND < 2	107.5	1.7
	12/28/10	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1
	3/15/11	ND < 1	ND < 1	ND < 1	ND < 10	10.7
6/14/11	ND < 1	ND < 1	ND < 1	ND < 10	2.3	
9/9/11	ND < 1	ND < 1	ND < 1	140	9.1	
12/19/11	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1	
3/15/12	ND < 1	ND < 1	ND < 1	ND < 10	ND < 1	
5/29/12	ND < 1	ND < 1	ND < 1	ND < 10	2.5	

**TABLE 3  
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS  
FUEL OXYGENATES**

**PARKER CENTER**  
151 Judge John Aiso  
Los Angeles, California

Sample ID	Sampling Date	ETBE	TAME	DIPE	TBA	MTBE
		EPA Method 8260B (ug/L)				
MW-16	4/24/02	NA	NA	NA	NA	23
	12/12/02	ND < 2	ND < 2	ND < 2	ND < 10	178
	3/12/03	ND < 2	ND < 2	ND < 2	ND < 10	121
	6/12/03	ND < 2	ND < 2	ND < 2	ND < 10	122
	9/9/03	ND < 2	ND < 2	ND < 2	ND < 10	162
	12/29/03	ND < 2	ND < 2	ND < 2	1,456	70
	3/26/04	ND < 2	ND < 2	ND < 2	2,831	19
	6/9/04	ND < 2	ND < 2	ND < 2	5,054	6
	9/2/04	ND < 2	ND < 2	ND < 2	2,801	6
	12/31/04	ND < 2	ND < 2	ND < 2	5,038	23
	4/12/05	ND < 2	ND < 2	ND < 2	1,128	2
	6/20/05	ND < 2	ND < 2	ND < 2	430	5
	9/9/05	ND < 2	ND < 2	ND < 2	93	ND < 2
	4/3/06	ND < 2	ND < 2	ND < 2	322.5	5.3
	6/30/06	ND < 1	ND < 1	ND < 1	214.7	ND < 2
	1/5/07	ND < 1	ND < 1	ND < 1	73.0	1.3
	3/31/07	ND < 1	ND < 1	ND < 1	227.1	1.4
	6/29/07	ND < 1	ND < 1	ND < 1	122.8	1.1
	9/28/07	ND < 1	ND < 1	ND < 1	165.2	1.1
7/18/08	ND < 1	ND < 1	ND < 1	214.7	ND < 2	
9/30/09	ND < 1	ND < 1	ND < 1	ND < 10	1.8	
12/15/09	well abandoned					

ETBE - Ethyl Tertiary Butyl Ether  
TAME - Tertiary Amyl Methyl Ether  
DIPE - Diisopropyl Ether  
TBA - Tertiary Butyl Ether  
MTBE - Methyl Tertiary Butyl Ether

All values reported in micrograms per liter  
ND - Not detected above the specified detection limit  
NA - Not analyzed for the specified compound  
NS - Not sampled (well not in place or inaccessible)

# LOG OF TEST BORING

LAB. NO.: 140- 5895      PROJECT: PARKER CENTER (151 JUDGE JON AISO)

BORING NO.: B-1      ELEVATION: 274'      DRILLING DATE: 02/15/2012

BORING LOCATION: 9' E/o WCF Judge John Aiso St & 241 N/o NCF 1st St

DRILL RIG TYPE: CME-75HT using 8" diameter hollow stem augers




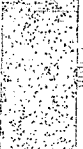



DEPTH TO STANDING WATER: None

DEPTH TO WATER SEEPAGE: 28'

DRILLER: Cooksey

LOGGER: Roth

ENGINEER: M. Price

ELEVATION / DEPTH (ft)	SOIL SYMBOLS, SAMPLER SYMBOLS AND BLOWS/INCHES	USCS	Field Description
0			11' AC pavement in poor condition.
270		SM	Brown silty fine sand with a trace of gravel. Moist and dense. Hand auger used for top 5' depth; 2.5' sample taken from hand auger cuttings.
5	2/6 2/6		
265		SP	Brown poorly graded fine-medium sand with a trace of gravel. Moist and dense.
10	3/6 4/6		
260			Gravel content increased at 15' depth and is variable throughout remainder of boring.
15	10/6 12/6		
255			
20	5/6 5/6		
250			
25	10/6 14/6		
245			
30	16/6 34/5		Encountered groundwater at 29' depth. Groundwater level rose to 28' depth after 10 minutes. Boring terminated after 30' depth sample, per engineer.
240			--- Test Boring Coordinates: 34° 03' 03.76" North 118° 14' 25.30" West ---
35			
235			



LTCP Checklist

[GEOTRACKER HOME](#) | [MANAGE PROJECTS](#) | [REPORTS](#) | [SEARCH](#) | [LOGOUT](#)

PARKER CENTER (T0603700531) - [MAP THIS SITE](#)

OPEN - SITE ASSESSMENT

151 JUDGE JOHN AISO  
LOS ANGELES, CA 90012  
LOS ANGELES COUNTY  
[VIEW PRINTABLE CASE SUMMARY FOR THIS SITE](#)

[ACTIVITIES REPORT](#)  
[PUBLIC WEBPAGE](#)

**CLEANUP OVERSIGHT AGENCIES**  
LOS ANGELES RWQCB (REGION 4) (LEAD) - CASE #: 900120352  
CASEWORKER: MARYAM TAIDY - SUPERVISOR: YI LU  
LOS ANGELES, CITY OF - CASE #: 2220  
CASEWORKER: TBD - SUPERVISOR: NONE SPECIFIED

THIS PROJECT WAS LAST MODIFIED BY [MARIA BAMBICO](#) ON 9/7/2012 2:52:19 PM - [HISTORY](#)

THIS SITE HAS SUBMITTALS. [CLICK HERE](#) TO OPEN A NEW WINDOW WITH THE SUBMITTAL APPROVAL PAGE FOR THIS SITE.

CLOSURE POLICY

THIS VERSION IS FINAL AS OF 11/5/2012

[CLOSURE POLICY HISTORY](#)

**General Criteria - The site satisfies the policy general criteria -** [CLEAR SECTION ANSWERS](#)

a. Is the unauthorized release located within the service area of a public water system?

Name of Water System :

YES  NO

b. The unauthorized release consists only of petroleum (info).

YES  NO

c. The unauthorized ("primary") release from the UST system has been stopped.

YES  NO

d. Free product has been removed to the maximum extent practicable (info).

FP Not Encountered  YES  NO

e. A conceptual site model that assesses the nature, extent, and mobility of the release has been developed (info).

YES  NO

f. Secondary source has been removed to the extent practicable (info).

YES  NO

g. Soil or groundwater has been tested for MTBE and results reported in accordance with Health and Safety Code Section 25296.15.

Not Required  YES  NO

h. Does a nuisance exist, as defined by Water Code section 13050.

YES  NO

**1. Media-Specific Criteria: Groundwater - The contaminant plume that exceeds water quality objectives is stable or decreasing in areal extent, and meets all of the additional characteristics of one of the five classes of sites listed below.** - [CLEAR](#)

[SECTION ANSWERS](#)

EXEMPTION - Soil Only Case (Release has not Affected Groundwater - [Info](#))

YES  NO

Does the site meet any of the Groundwater specific criteria scenarios?

YES  NO

1.1 - The contaminant plume that exceeds water quality objectives is <100 feet in length. There is no free product. The nearest existing water supply well or surface water body is >250 feet from the defined plume boundary.

YES  NO

**2. Media Specific Criteria: Petroleum Vapor Intrusion to Indoor Air - The site is considered low-threat for the vapor-intrusion-to-air pathway if site-specific conditions satisfy items 2a, 2b, or 2c** - [CLEAR SECTION ANSWERS](#)

EXEMPTION - Active Commercial Petroleum Fueling Facility

YES  NO

**3. Media Specific Criteria: Direct Contact and Outdoor Air Exposure - The site is considered low-threat for direct contact and outdoor air exposure if it meets 1, 2, or 3 below.** - [CLEAR SECTION ANSWERS](#)

EXEMPTION - The upper 10-feet of soil is free of petroleum contamination

YES  NO

Does the site meet any of the Direct Contact and Outdoor Air Exposure criteria scenarios?

YES  NO

3.1 - Maximum concentrations of petroleum constituents in soil are less than or equal to those listed in the following table ([LINK](#)) for the specified depth below ground surface.

YES  NO

**Additional Information**

This case should be kept OPEN in spite of meeting policy criteria.

YES  NO

[SPELL CHECK](#)

LOGGED IN AS ARMAN

[CONTACT GEOTRACKER HELP](#)

## J-71 - LA To Pas Metro Blue Line, No address

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# California Regional Water Quality Control Board Los Angeles Region



**Matthew Rodriguez**  
Secretary for  
Environmental Protection

320 West Fourth Street, Suite 200, Los Angeles, California 90013  
(213) 576-6600 • FAX (213) 576-6640  
<http://www.waterboards.ca.gov/losangeles>

**Edmund G. Brown Jr.**  
Governor

TO: File – SCP No. 0904A  
Los Angeles Regional Water Quality Control Board

FROM: Samuel Unger *SU*  
Executive Officer  
Los Angeles Regional Water Quality Control Board

DATE: March 7, 2012

SUBJECT: **REVIEW OF BLUE/GOLD LINE PROJECT CLOSURE MEMORANDUM (SCP NO. 0904A, SITE ID NO. 204EG00)**

I have reviewed the document *Blue/Gold Line Authority Project Closure* memorandum (Memorandum) dated February 22, 2012, prepared by Los Angeles Regional Water Quality Control Board (Regional Board) staff. I concur with staff's recommendation in the Memorandum that the Blue/Gold Line Authority case be closed, without issuing a formal "No Further Action" letter to PA-041, effective immediately.

However, if new data submitted in the future indicates that residual or new contamination at the site poses a threat to water resources or human health, the case for parcel PA-041 will be reopened for further investigation and/or remediation, as necessary.



Matthew Rodriguez  
Secretary for  
Environmental Protection

# California Regional Water Quality Control Board Los Angeles Region

320 West Fourth Street, Suite 200, Los Angeles, California 90013  
(213) 576-6600 • FAX (213) 576-6640  
<http://www.waterboards.ca.gov/losangeles>



Edmund G. Brown Jr.  
Governor

TO: File – SCP No. 0904A  
Los Angeles Regional Water Quality Control Board

FROM: David Young  
Engineering Geologist  
Site Cleanup Program I

DATE: March 7, 2012

SUBJECT: **Blue/Gold Line Authority Project Closure (SCP NO. 0904A, SITE ID NO. 204EG00)**

The Blue/Gold Line construction project consists of 89 parcels, divided into 11 areas, running along the route of the Gold Line rail system. Phase 1 of the Metro Blue/Gold Line travels from downtown Los Angeles (Union Station) to Pasadena and eastward to Sierra Madre Villa along the 210 Pasadena Freeway. Phase 1 of the Gold Line was completed in early 2003 and has been in service since July 2003. During the Phase 1 preparation and construction in 1999, the Blue Line Construction Authority requested the Regional Board as the lead environmental oversight agency for needed investigation and cleanup of identified contamination. Based on the information submitted to the Regional Board at that time, the Regional Board management determined that there were three primary areas/parcels of concern: Parcel PA-018 (China Town Station), the Avenue 26 Station, and Parcel PA-041 (a parking lot).

## 1. PA-018 (SCP No. 0904B, Site ID No. 204BK00)

Parcel PA-018 is located at the intersection of North Spring Street and College Street in the City of Los Angeles, and across the street from the Metro Chinatown Station. The site is about 6 acres and is surrounded by land used for industrial and commercial purposes. The site was previously owned by the Union Pacific Railroad Company and at present is owned by the Los Angeles to Pasadena Metro Blue Line Construction Authority. Following extensive investigation and remediation, the Regional Board issued a letter on February 20, 2003, indicating “No Further Action” required for Parcel PA-018 (Attachment A).

## 2. Avenue 26 Station

The Avenue 26 Station is located on the southwestern side of Avenue 26 in the city of Los Angeles. This parcel is approximately 300 feet by 100 feet. The site is a former railroad embankment with the original grade being approximately 15 to 20 feet higher than the surrounding ground surface. Railroad bridges are present at both ends of the site. The site had been used for over 100 years as part of the railroad right-of-way prior to the Gold Line construction. Extensive investigation and remediation of impacted soils was completed in 2001, and the Regional Board issued a letter on June 28, 2002, indicating “No Further Action” required for Avenue 26 Station site (Attachment B).

### 3. PA-041

Parcel PA-041 is located adjacent to the 26<sup>th</sup> Avenue freeway off ramp from the north-bound Golden State Freeway (5), on the southwest side of Avenue 26. The parcel is approximately 0.845 acre. The site has been redeveloped into a parking lot for Metro Gold line passengers (Attachment C) since 2003. Formerly, the site was owned by the City of Los Angeles and used as a storage yard for street lighting fixtures. Several subsurface soil and groundwater investigations were completed at the site. Results of these investigations did not reveal evidence of significant impacts by the detected chemicals (mainly VOCs and TPH) at the site. Therefore, Regional Board staff determined that no additional investigation or remedial action was warranted at the site when it was developed into a parking lot in 2003.

Following redevelopment of Parcel PA-041, the Blue/Gold Line Authority indicated to Regional Board staff that no additional oversight was needed on the case and requested that Regional Board staff no longer charge oversight time to their cost recovery account. Therefore, a "No Further Action" letter and a case review form have not been prepared for Parcel PA-041.

For the last several years, Regional Board staff had repeatedly contacted the representatives of the Metro Gold Line Foothill Extension Construction Authority (no longer Blue/Gold Line Authority) for delinquent invoices for this project. They verbally requested the Regional Board provide no additional assistance for oversight of the parcels associated with Phase 1 of the Blue/Gold Line Metro project and that the project files and cost recovery account be closed. On January 10, 2012, all outstanding invoices for this project were paid (Attachment D) and account/site ID No. 204EG00 was closed accordingly.

In summary, Regional Board staff have determined that adequate investigation and/or cleanup has been completed at the referenced sites. Phase 1 of the Metro Gold Line route has been completed and the associated parcels have been redeveloped accordingly since 2003. Therefore, Regional Board staff recommends that the open Blue/Gold Line Authority case be closed without issuing a formal "No Further Action" letter to PA-041. This will enable staff to focus our limited resources on other high priority cases.

However, if new data submitted in the future indicates that residual or new contamination at the site poses a threat to water resources or human health, staff recommends the case for parcel PA-041 be reopened for further investigation and/or remediation, as necessary.

Attachments: A. Parcel PA-018 No Further Action letter dated February 20, 2003  
B. Aveue 26 No Further Action letter dated June 28, 2002  
C. Parcel PA-041 Aerial Photograph  
D. Invoice Report for Site ID No. 204EG00

cc: Samuel Unger, Executive Officer  
Paula Rasmussen, Assistance Executive Officer  
Art Heath, Remediation Section Chief  
Su Han, Site Cleanup I Unit Chief



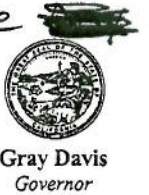
Winston H. Hickox  
Secretary for  
Environmental  
Protection

# California Regional Water Quality Control Board

## Los Angeles Region

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320 W. 4th Street, Suite 200, Los Angeles, California 90013

Phone (213) 576-6600 FAX (213) 576-6640 - Internet Address: <http://www.swrcb.ca.gov/rwqcb4>

February 20, 2003

Richard Thorpe  
Chief Executive Officer  
Metro Blue Line Construction Authority  
625 Fair Oaks Avenue, Suite 200  
South Pasadena, CA 91030

**NO FURTHER ACTION-PARCEL PA-018, LOS ANGELES TO PASADENA BLUE LINE, 924 NORTH SPRING STREET, LOS ANGELES, CALIFORNINA (SLIC NO. 904B, BILLING ID 204BK00)**

Dear Mr. Thorpe:

The Los Angeles Regional Water Quality Control Board (Regional Board) has received and reviewed the *Remedial Action Plan Implementation Summary and Site Closure Request* (Closure Report) dated November 21, 2002. A *Post-Remediation Human Health Risk Assessment* (Post-Remediation HRA) included with the Closure Report, was given to the Office of Environmental Health Hazard Assessment (OEHHA) for review. The purpose of this letter is to provide notice that no further action is required for cleanup or investigation of soil beneath Parcel PA-018 (Site). Upon review of the Closure Report and other information in our files, minor residual contaminants in soil at Parcel 18 do not pose a threat to groundwater quality. Furthermore, based on comments from OEHHA with respect to the Post-Remediation HRA, proposed development on the property, including residential use of the second floors and above, does not pose a significant threat to human health.

### Background

Parcel PA-018 is located at the intersection of North Spring Street and College Street in the City of Los Angeles, and across the street from the Metro Chinatown Station. The Site was previously owned by Union Pacific Railroad Company and at present is owned by the Los Angeles to Pasadena Metro Blue Line Construction Authority (Authority). The Site is about 6 acres and is surrounded by industrial and commercial use land.

Historically the Site has been used for a wood and coal yard, an oil warehouse, dwellings, and for small businesses. Since 1905 it was used as a rail freight yard, but it has been vacant since about 1970. Buildings at the Site were demolished in the late 1980s. A gasoline tank was removed in April 1987 with no evidence of leakage. Reports from 1989 indicate that the Site was used for the storage of tanks and shipping containers.

Several water-bearing zones underlie the Site, but there are no production wells within one mile of the property. The shallow semi-perched zone is about 30 ft below ground surface, and the groundwater flow direction is in a south-southwest direction.

### California Environmental Protection Agency

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Groundwater in the southwestern portion of the Site has been impacted by heavy-end hydrocarbons (diesel-range and total recoverable petroleum hydrocarbons). Based on regional groundwater flow and documented historic service station operations at neighboring off-site properties, the groundwater contamination appears to be from off-site sources.

The Site is planned for development of a four-story building, with commercial, retail business on the lower level, and housing on the other three floors. There are no planned underground structures, green areas, or unpaved areas at the Site.

### **Remedial Action for Contaminants of Concern**

In a letter dated August 27, 2002, the Regional Board approved the *Response to OEHHA Comments-Updated Remedial Action Plan Parcel PA-018* (Updated RAP) dated February 2002. A *Supplemental Human Health Risk Assessment*, included in the Updated RAP, was reviewed and approved by OEHHA, in a Memorandum to the Regional Board dated, July 23, 2002. The Updated RAP identified five areas at the Site that required remedial action, because the Contaminants of Concern (COCs) exceeded target cleanup goals for lead (greater than and/or equal to  $\geq$  350 milligrams per kilogram [mg/kg]) and arsenic ( $\geq$ 10.8 mg/kg). In two areas, copper was elevated but below target cleanup goals and associated with lead in others.

During excavation, a distinct layer of green clayey soil with a fibrous white material was observed between the top layer of dark brown soil containing various debris, and the deeper layer of light yellowish brown to light brown well graded sand with some well-rounded gravel and cobbles. The green soil layer varied from a few inches to approximately four feet thick, and was observed at depths ranging from 2 to 8 feet below grade. The green soil was analyzed for metals, volatile organic compounds (VOCs), and total petroleum hydrocarbons (TPH), and revealed arsenic ranging up to 134 mg/kg and lead up to 978 mg/kg. However, VOCs, TPH, or asbestos were not detected in these samples. Soil that was not green in color contained up to 7.58 mg/kg of arsenic.

Once the green soil was identified, excavation was continued outward radially and the excavated soil was placed in different stockpiles. The stockpile soil was sampled and analyzed for metals, VOCs, polychlorinated biphenyls (PCBs), pesticides, and TPH. Furthermore, this soil was also analyzed for Soluble Threshold Limit Concentration (STLC) and Toxicity Characteristic Leaching Procedure (TCLP), for the purpose of classifying the soil as hazardous waste or not. Soluble lead (Pb) was up to 11.2 milligrams per liter (mg/L) (STLC Pb = 5 mg/L), and soluble arsenic (As) as up to 2.17 mg/L (STLC As = 5mg/L); measured TCLPs for arsenic and lead were found below the respective target values (TCLP arsenic = 5.0 mg/L; TCLP lead = 5 mg/L).

Soil was excavated until all visible green-colored soil was removed, which extended for about 126 feet by 680 feet and represented over 17,000 tons of material excavated and transported off-site (238 tons of hazardous waste were transported to the La Paz County Landfill, Parker City, Arizona; 12,200 tons of waste soil were transported to the Bradley Landfill, Sun Valley California and to Filter Recycling Services, Inc., Rialto, California; 3,100 tons of overburden soil, and 1,500 tons of concrete were transported to the NuWay facility, Irwindale, California). Excavation and soil removal continued up to two points in which the green soil appears to extend beyond the property boundary.

### **California Environmental Protection Agency**

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Following a sampling plan, the excavation floor and the sides were analyzed for arsenic and lead, and results indicated that these analytes were at concentrations below clean up target levels. Confirmation soil samples were analyzed for Title 22 metals (USEPA Method 6010B/7471), mercury (USEPA 7471A), TPH as gasoline (USEPA Method 8015M), TPH carbon range (USEPA Method 8015-CCI), VOCs (USEPA Method 8260B), SVOCs (USEPA Method 8270C), and organochloride pesticides and PCBs (USEPA Method 8081A/8082). Analytical results for the above COCs indicated no concentrations above clean up levels established in the Updated RAP.

### **OEHHA Review of Closure Report and Post-Remediation Health Risk Assessment**

In comments to the Regional Board from OEHHA received February 10, 2003, analytical data and health risk analyses presented in the Closure Report and Post-Remediation HRA, indicate that residual levels of hazardous contaminants at Parcel 18 are below levels of concern. Therefore, it was concluded by OEHHA that the Site will not pose any significant health threat to humans following the development of the property. OEHHA also noted that as long as the nature, extent, and severity of the contamination does not significantly depart from those identified at this Site, and the use of the land does not depart from the proposed use, the health risks associated with residual contamination left in soils at the Site will not exceed - and most likely will be less than - those estimated for the protection of human health.

### **No Further Action Required**

Based on the information submitted in the Closure Report and on comments received from OEHHA in their Memorandum received February 10, 2003, and with the provision that information provided to this Regional Board is accurate and representative of conditions at the subject site, we have no further requirements for the property with respect to the Spills, Leaks, Investigation, and Cleanup Program at this time. Although minor residual levels of contaminants remain in soil beneath the subject site, additional cleanup is not required due to the low concentrations detected, which pose minimal threat to human health or groundwater quality. A written notification must be provided to the Regional Board within 72 hours should additional contamination be encountered during any future activities at the Site and also a written notification must be submitted to this Regional Board should a change of current land use be proposed. In addition, the jurisdiction requirements of other agencies, such as the United States Environmental Protection Agency, are not affected by this Regional Board's "No Further Action" determination. Such agencies may choose to make their own determination concerning this site.

We would like to take this opportunity to thank you for your full cooperation with this Regional Board during the course of the site assessment and soil remediation. **If you have any questions, please call Mr. J.T. Liu at (213) 576-6667 or Mr. David Young at (213) 576-6744.**

### **California Environmental Protection Agency**

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Mr. Richard Thorpe  
Blue Line Construction Authority

- 4 -

February 20, 2003

Sincerely,



Dennis A. Dickerson  
Executive Officer

cc: Mr. Habib Balian, Metro Blue Line Construction Authority  
Mr. John Harris, Richards, Watson & Gershon  
Mr. Mark Bierei, Montgomery Watson  
Mr. Frank Tam, Montgomery Watson  
Ms. Chris Kinne, California Environmental Protection Agency

**California Environmental Protection Agency**

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# California Regional Water Quality Control Board

## Los Angeles Region



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320 W. 4th Street, Suite 200, Los Angeles, California 90013  
Phone (213) 576-6600 FAX (213) 576-6640 - Internet Address: <http://www.swrcb.ca.gov/rwqcb4>

June 28, 2002

Richard Thorpe  
Chief Executive Officer  
Metro Blue Line Construction Authority  
625 Fair Oaks Ave, Suite 200  
South Pasadena, CA 91030

**NO FURTHER ACTION - AVENUE 26 STATION SITE - LOS ANGELES TO PASADENA  
BLUE LINE - (SLIC NO. ~~904A~~, PCA #204-BK)**

*904e 204EG*

Dear Mr. Thorpe:

The Los Angeles Regional Water Quality Control Board (Regional Board) has received the "Response To Comments" letter dated April 30, 2002 and "Additional Information" letter with four attached figures (Figure 1 - 4 cross sections of soil remediation) dated May 24, 2002, from your consultant Bryan A. Stirrat and Associates (BAS).

The site is located on the southwestern side of Avenue 26 in the city of Los Angeles, California. The parcel is approximately 300 feet by 100 feet in dimension. The site is a former railroad embankment with the original grade being approximately 15 to 20 feet higher than the surrounding ground surface. Railroad bridges are present at both ends of the site. The site has been used over the last 100 years as part of the railroad right-of-way.

The primary contaminants of concern identified at the site include heavy metals (lead and arsenic), and total petroleum hydrocarbons (TPH). The TPH constituents impacting the site are primarily diesel and heavy oils.

Site soils have been remediated during 2001 by excavation of impacted soil. Approximately 6,000 cubic yards was excavated and hauled from the site of which approximately 1,420 cubic yards of impacted soil was excavated and hauled to several different disposal and recycling facilities depending on the character of the impacted soil. The remaining 4,580 cubic yards of clean soil was reused onsite. Residual soil contaminant consisting of elevated lead in the mid-southeastern portion of the subject site (sample point A26-5) was left in place below 12 feet concrete foundation. The concrete foundation will isolate the elevated lead soil and limit any leaching potential to impact water quality. The site has been developed into a train station for the Metro Blue Line.

Upon review of the information contained in the case file, and the "Request for Site Closure, Avenue 26 Station Site" dated January 21, 2002, prepared by BAS, the Regional Board grants this site no further action, based on the available information and with the provision that the information provided to this agency was accurate and representative of site conditions.

If contaminated soils are encountered during future site construction activities, you are required to provide verbal notification to this Regional Board immediately and submit a follow-up written report to this Regional Board within 72 hours. In addition, appropriate health and safety measures must be fully

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Mr. Richard Thorpe  
Metro Blue Line Construction Authority

- 2 -

June 28, 2002

implemented. Any contaminated soils that may be removed from the site shall be removed only to a legal point of disposal.

**If you have any questions concerning this letter, please feel free to call Dr. Rebecca Chou at (213) 576-6733.**

Sincerely,




Dennis A. Dickerson  
Executive Officer

cc: Mr. Robert Sams, State Water Resources Control Board  
Mr. Michael Lauffer, State Water Resources Control Board  
Mr. Habib Balian, Metro Blue Line Construction Authority  
Mr. John Harris, Richards, Watson & Gershon  
Mr. Mark Bierei, Montgomery Watson  
Mr. Frank Tam, Montgomery Watson  
Mr. Robert Hereti, City of Los Angeles Planning Department

**California Environmental Protection Agency**

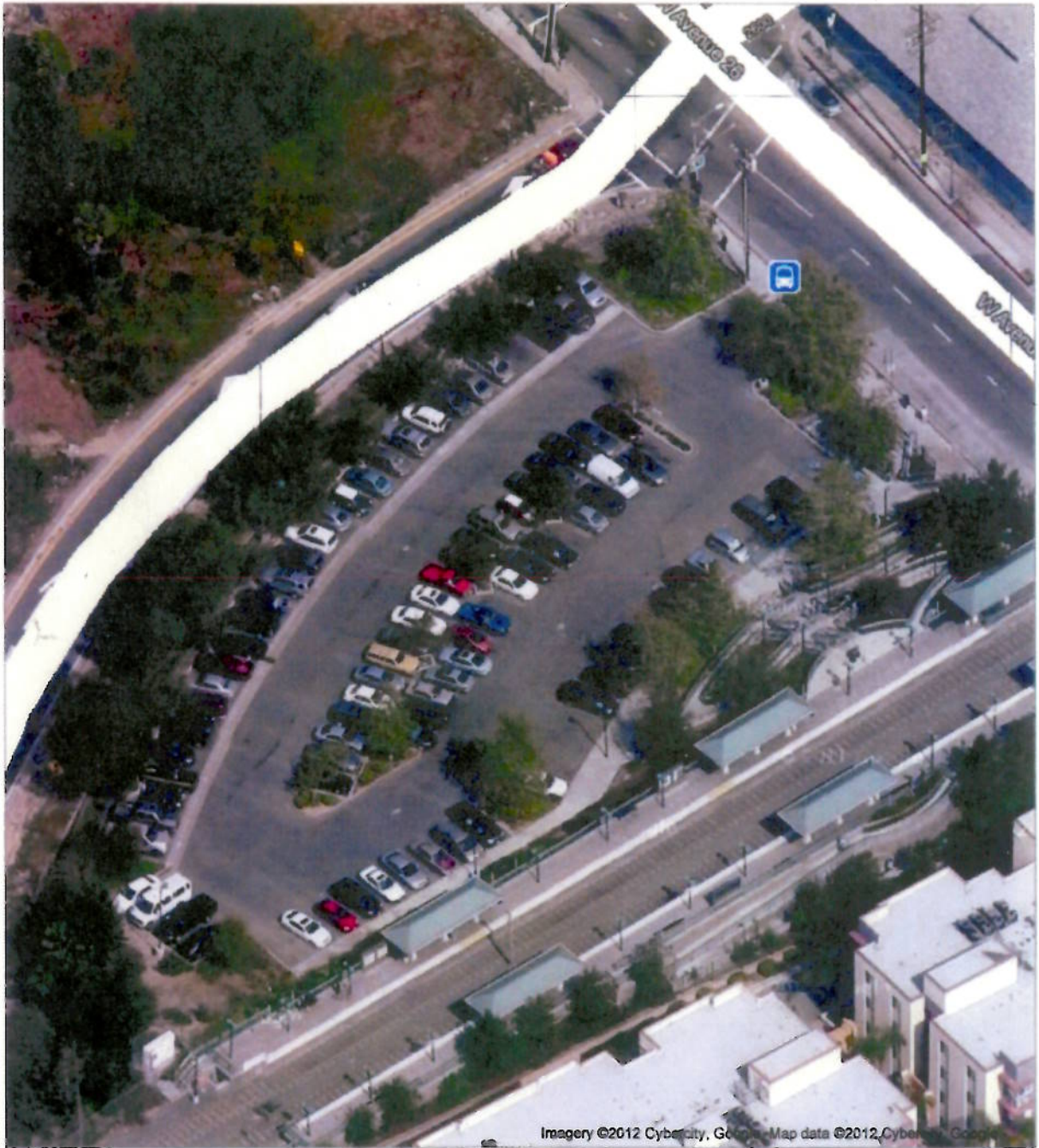
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<b>Invoice Report</b>											
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Click the invoice numbers below (>30000) to view detailed invoice information											
Invoice #	Site ID	RP ID	Invoice Date	Balance Forward	Adjustments	New Charges	Invoice Amount	Total Amount Due	Amount Paid	Paid Date	
16514	204EG00	1344	10/3/2001	N/A	N/A	N/A	\$13,028.14	N/A	\$13,028.14	11/7/2001	
30642	204EG00	1344	6/7/2002	\$0.00	\$0.00	\$6,980.72	\$6,980.72	\$6,980.72	\$6,980.72	7/11/2002	
32905	204EG00	1344	2/13/2003	\$0.00	\$0.00	\$12,701.14	\$12,701.14	\$12,701.14	\$12,701.14	3/10/2003	
33860	204EG00	1344	4/4/2003	\$0.00	\$0.00	\$3,799.47	\$3,799.47	\$3,799.47	\$3,799.47	4/23/2003	
34819	204EG00	1344	6/26/2003	\$0.00	\$0.00	\$3,907.28	\$3,907.28	\$3,907.28	\$3,907.28	7/11/2003	
35833	204EG00	1344	9/5/2003	\$0.00	\$0.00	\$10,696.78	\$10,696.78	\$10,696.78	\$10,696.78	11/25/2003	
36846	204EG00	1344	2/9/2004	\$0.00	\$0.00	\$1,154.81	\$1,154.81	\$1,154.81	\$1,154.81	3/2/2004	
37778	204EG00	1344	3/16/2004	\$1,154.81	\$0.00	\$385.84	\$385.84	\$1,540.65	\$385.84	3/25/2004	
39710	204EG00	1344	11/3/2004	\$0.00	\$0.00	\$238.11	\$238.11	\$238.11	\$238.11	1/10/2012	
40707	204EG00	1344	12/17/2004	\$238.11	\$0.00	\$88.74	\$88.74	\$326.85	\$88.74	1/10/2012	
41661	204EG00	1344	3/16/2005	\$326.85	\$0.00	\$419.03	\$419.03	\$745.88	\$419.03	1/10/2012	
42635	204EG00	1344	6/23/2005	\$745.88	\$0.00	\$262.66	\$262.66	\$1,008.54	\$262.66	1/10/2012	
43706	204EG00	1344	11/2/2005	\$1,008.54	\$0.00	\$198.75	\$198.75	\$1,207.29	\$198.75	1/10/2012	
54199	204EG00	1344	3/28/2008	\$1,207.29	\$0.00	\$231.69	\$231.69	\$1,438.98	\$231.69	1/10/2012	
57823	204EG00	1344	11/4/2008	\$1,438.98	\$0.00	\$610.90	\$610.90	\$2,049.88	\$610.90	1/10/2012	
59097	204EG00	1344	2/10/2009	\$2,049.88	\$0.00	\$73.92	\$73.92	\$2,123.80	\$73.92	1/10/2012	
61757	204EG00	1344	9/16/2009	\$2,123.80	\$0.00	\$731.55	\$731.55	\$2,855.35	\$731.55	1/10/2012	
63217	204EG00	1344	11/17/2009	\$2,855.35	\$0.00	\$61.79	\$61.79	\$2,917.14	\$61.79	1/10/2012	
65809	204EG00	1344	5/10/2010	\$2,917.14	\$0.00	\$57.43	\$57.43	\$2,974.57	\$57.43	1/10/2012	
67175	204EG00	1344	9/13/2010	\$2,974.57	\$0.00	\$276.91	\$276.91	\$3,251.48	\$276.91	1/10/2012	
68678	204EG00	1344	11/22/2010	\$3,251.48	\$0.00	\$213.20	\$213.20	\$3,464.68	\$213.20	1/10/2012	

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# California Regional Water Quality Control Board Los Angeles Region



**Matthew Rodriguez**  
Secretary for  
Environmental Protection

320 West Fourth Street, Suite 200, Los Angeles, California 90013  
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<http://www.waterboards.ca.gov/losangeles>

**Edmund G. Brown Jr.**  
Governor

TO: File – SCP No. 0904A  
Los Angeles Regional Water Quality Control Board

FROM: Samuel Unger *SU*  
Executive Officer  
Los Angeles Regional Water Quality Control Board

DATE: March 7, 2012

SUBJECT: **REVIEW OF BLUE/GOLD LINE PROJECT CLOSURE MEMORANDUM (SCP NO. 0904A, SITE ID NO. 204EG00)**

I have reviewed the document *Blue/Gold Line Authority Project Closure* memorandum (Memorandum) dated February 22, 2012, prepared by Los Angeles Regional Water Quality Control Board (Regional Board) staff. I concur with staff's recommendation in the Memorandum that the Blue/Gold Line Authority case be closed, without issuing a formal "No Further Action" letter to PA-041, effective immediately.

However, if new data submitted in the future indicates that residual or new contamination at the site poses a threat to water resources or human health, the case for parcel PA-041 will be reopened for further investigation and/or remediation, as necessary.



Matthew Rodriguez  
Secretary for  
Environmental Protection

# California Regional Water Quality Control Board Los Angeles Region

320 West Fourth Street, Suite 200, Los Angeles, California 90013  
(213) 576-6600 • FAX (213) 576-6640  
<http://www.waterboards.ca.gov/losangeles>



Edmund G. Brown Jr.  
Governor

TO: File – SCP No. 0904A  
Los Angeles Regional Water Quality Control Board

FROM: David Young  
Engineering Geologist  
Site Cleanup Program I

DATE: March 7, 2012

SUBJECT: **Blue/Gold Line Authority Project Closure (SCP NO. 0904A, SITE ID NO. 204EG00)**

The Blue/Gold Line construction project consists of 89 parcels, divided into 11 areas, running along the route of the Gold Line rail system. Phase 1 of the Metro Blue/Gold Line travels from downtown Los Angeles (Union Station) to Pasadena and eastward to Sierra Madre Villa along the 210 Pasadena Freeway. Phase 1 of the Gold Line was completed in early 2003 and has been in service since July 2003. During the Phase 1 preparation and construction in 1999, the Blue Line Construction Authority requested the Regional Board as the lead environmental oversight agency for needed investigation and cleanup of identified contamination. Based on the information submitted to the Regional Board at that time, the Regional Board management determined that there were three primary areas/parcels of concern: Parcel PA-018 (China Town Station), the Avenue 26 Station, and Parcel PA-041 (a parking lot).

## 1. PA-018 (SCP No. 0904B, Site ID No. 204BK00)

Parcel PA-018 is located at the intersection of North Spring Street and College Street in the City of Los Angeles, and across the street from the Metro Chinatown Station. The site is about 6 acres and is surrounded by land used for industrial and commercial purposes. The site was previously owned by the Union Pacific Railroad Company and at present is owned by the Los Angeles to Pasadena Metro Blue Line Construction Authority. Following extensive investigation and remediation, the Regional Board issued a letter on February 20, 2003, indicating “No Further Action” required for Parcel PA-018 (Attachment A).

## 2. Avenue 26 Station

The Avenue 26 Station is located on the southwestern side of Avenue 26 in the city of Los Angeles. This parcel is approximately 300 feet by 100 feet. The site is a former railroad embankment with the original grade being approximately 15 to 20 feet higher than the surrounding ground surface. Railroad bridges are present at both ends of the site. The site had been used for over 100 years as part of the railroad right-of-way prior to the Gold Line construction. Extensive investigation and remediation of impacted soils was completed in 2001, and the Regional Board issued a letter on June 28, 2002, indicating “No Further Action” required for Avenue 26 Station site (Attachment B).



### 3. PA-041

Parcel PA-041 is located adjacent to the 26<sup>th</sup> Avenue freeway off ramp from the north-bound Golden State Freeway (5), on the southwest side of Avenue 26. The parcel is approximately 0.845 acre. The site has been redeveloped into a parking lot for Metro Gold line passengers (Attachment C) since 2003. Formerly, the site was owned by the City of Los Angeles and used as a storage yard for street lighting fixtures. Several subsurface soil and groundwater investigations were completed at the site. Results of these investigations did not reveal evidence of significant impacts by the detected chemicals (mainly VOCs and TPH) at the site. Therefore, Regional Board staff determined that no additional investigation or remedial action was warranted at the site when it was developed into a parking lot in 2003.

Following redevelopment of Parcel PA-041, the Blue/Gold Line Authority indicated to Regional Board staff that no additional oversight was needed on the case and requested that Regional Board staff no longer charge oversight time to their cost recovery account. Therefore, a "No Further Action" letter and a case review form have not been prepared for Parcel PA-041.

For the last several years, Regional Board staff had repeatedly contacted the representatives of the Metro Gold Line Foothill Extension Construction Authority (no longer Blue/Gold Line Authority) for delinquent invoices for this project. They verbally requested the Regional Board provide no additional assistance for oversight of the parcels associated with Phase 1 of the Blue/Gold Line Metro project and that the project files and cost recovery account be closed. On January 10, 2012, all outstanding invoices for this project were paid (Attachment D) and account/site ID No. 204EG00 was closed accordingly.

In summary, Regional Board staff have determined that adequate investigation and/or cleanup has been completed at the referenced sites. Phase 1 of the Metro Gold Line route has been completed and the associated parcels have been redeveloped accordingly since 2003. Therefore, Regional Board staff recommends that the open Blue/Gold Line Authority case be closed without issuing a formal "No Further Action" letter to PA-041. This will enable staff to focus our limited resources on other high priority cases.

However, if new data submitted in the future indicates that residual or new contamination at the site poses a threat to water resources or human health, staff recommends the case for parcel PA-041 be reopened for further investigation and/or remediation, as necessary.

Attachments: A. Parcel PA-018 No Further Action letter dated February 20, 2003  
B. Aveue 26 No Further Action letter dated June 28, 2002  
C. Parcel PA-041 Aerial Photograph  
D. Invoice Report for Site ID No. 204EG00

cc: Samuel Unger, Executive Officer  
Paula Rasmussen, Assistance Executive Officer  
Art Heath, Remediation Section Chief  
Su Han, Site Cleanup I Unit Chief



Winston H. Hickox  
Secretary for  
Environmental  
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# California Regional Water Quality Control Board

## Los Angeles Region

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February 20, 2003

Richard Thorpe  
Chief Executive Officer  
Metro Blue Line Construction Authority  
625 Fair Oaks Avenue, Suite 200  
South Pasadena, CA 91030

**NO FURTHER ACTION-PARCEL PA-018, LOS ANGELES TO PASADENA BLUE LINE, 924 NORTH SPRING STREET, LOS ANGELES, CALIFORNINA (SLIC NO. 904B, BILLING ID 204BK00)**

Dear Mr. Thorpe:

The Los Angeles Regional Water Quality Control Board (Regional Board) has received and reviewed the *Remedial Action Plan Implementation Summary and Site Closure Request* (Closure Report) dated November 21, 2002. A *Post-Remediation Human Health Risk Assessment* (Post-Remediation HRA) included with the Closure Report, was given to the Office of Environmental Health Hazard Assessment (OEHHA) for review. The purpose of this letter is to provide notice that no further action is required for cleanup or investigation of soil beneath Parcel PA-018 (Site). Upon review of the Closure Report and other information in our files, minor residual contaminants in soil at Parcel 18 do not pose a threat to groundwater quality. Furthermore, based on comments from OEHHA with respect to the Post-Remediation HRA, proposed development on the property, including residential use of the second floors and above, does not pose a significant threat to human health.

### Background

Parcel PA-018 is located at the intersection of North Spring Street and College Street in the City of Los Angeles, and across the street from the Metro Chinatown Station. The Site was previously owned by Union Pacific Railroad Company and at present is owned by the Los Angeles to Pasadena Metro Blue Line Construction Authority (Authority). The Site is about 6 acres and is surrounded by industrial and commercial use land.

Historically the Site has been used for a wood and coal yard, an oil warehouse, dwellings, and for small businesses. Since 1905 it was used as a rail freight yard, but it has been vacant since about 1970. Buildings at the Site were demolished in the late 1980s. A gasoline tank was removed in April 1987 with no evidence of leakage. Reports from 1989 indicate that the Site was used for the storage of tanks and shipping containers.

Several water-bearing zones underlie the Site, but there are no production wells within one mile of the property. The shallow semi-perched zone is about 30 ft below ground surface, and the groundwater flow direction is in a south-southwest direction.

### California Environmental Protection Agency

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\*\*\*For a list of simple ways to reduce demand and cut your energy costs, see the tips at: <http://www.swrcb.ca.gov/news/echallenge.html>\*\*\*



Our mission is to preserve and enhance the quality of California's water resources for the benefit of present and future generations.

Groundwater in the southwestern portion of the Site has been impacted by heavy-end hydrocarbons (diesel-range and total recoverable petroleum hydrocarbons). Based on regional groundwater flow and documented historic service station operations at neighboring off-site properties, the groundwater contamination appears to be from off-site sources.

The Site is planned for development of a four-story building, with commercial, retail business on the lower level, and housing on the other three floors. There are no planned underground structures, green areas, or unpaved areas at the Site.

### **Remedial Action for Contaminants of Concern**

In a letter dated August 27, 2002, the Regional Board approved the *Response to OEHHA Comments-Updated Remedial Action Plan Parcel PA-018* (Updated RAP) dated February 2002. A *Supplemental Human Health Risk Assessment*, included in the Updated RAP, was reviewed and approved by OEHHA, in a Memorandum to the Regional Board dated, July 23, 2002. The Updated RAP identified five areas at the Site that required remedial action, because the Contaminants of Concern (COCs) exceeded target cleanup goals for lead (greater than and/or equal to  $\geq$  350 milligrams per kilogram [mg/kg]) and arsenic ( $\geq$ 10.8 mg/kg). In two areas, copper was elevated but below target cleanup goals and associated with lead in others.

During excavation, a distinct layer of green clayey soil with a fibrous white material was observed between the top layer of dark brown soil containing various debris, and the deeper layer of light yellowish brown to light brown well graded sand with some well-rounded gravel and cobbles. The green soil layer varied from a few inches to approximately four feet thick, and was observed at depths ranging from 2 to 8 feet below grade. The green soil was analyzed for metals, volatile organic compounds (VOCs), and total petroleum hydrocarbons (TPH), and revealed arsenic ranging up to 134 mg/kg and lead up to 978 mg/kg. However, VOCs, TPH, or asbestos were not detected in these samples. Soil that was not green in color contained up to 7.58 mg/kg of arsenic.

Once the green soil was identified, excavation was continued outward radially and the excavated soil was placed in different stockpiles. The stockpile soil was sampled and analyzed for metals, VOCs, polychlorinated biphenyls (PCBs), pesticides, and TPH. Furthermore, this soil was also analyzed for Soluble Threshold Limit Concentration (STLC) and Toxicity Characteristic Leaching Procedure (TCLP), for the purpose of classifying the soil as hazardous waste or not. Soluble lead (Pb) was up to 11.2 milligrams per liter (mg/L) (STLC Pb = 5 mg/L), and soluble arsenic (As) as up to 2.17 mg/L (STLC As = 5mg/L); measured TCLPs for arsenic and lead were found below the respective target values (TCLP arsenic = 5.0 mg/L; TCLP lead = 5 mg/L).

Soil was excavated until all visible green-colored soil was removed, which extended for about 126 feet by 680 feet and represented over 17,000 tons of material excavated and transported off-site (238 tons of hazardous waste were transported to the La Paz County Landfill, Parker City, Arizona; 12,200 tons of waste soil were transported to the Bradley Landfill, Sun Valley California and to Filter Recycling Services, Inc., Rialto, California; 3,100 tons of overburden soil, and 1,500 tons of concrete were transported to the NuWay facility, Irwindale, California). Excavation and soil removal continued up to two points in which the green soil appears to extend beyond the property boundary.

### **California Environmental Protection Agency**

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Following a sampling plan, the excavation floor and the sides were analyzed for arsenic and lead, and results indicated that these analytes were at concentrations below clean up target levels. Confirmation soil samples were analyzed for Title 22 metals (USEPA Method 6010B/7471), mercury (USEPA 7471A), TPH as gasoline (USEPA Method 8015M), TPH carbon range (USEPA Method 8015-CCI), VOCs (USEPA Method 8260B), SVOCs (USEPA Method 8270C), and organochloride pesticides and PCBs (USEPA Method 8081A/8082). Analytical results for the above COCs indicated no concentrations above clean up levels established in the Updated RAP.

### **OEHHA Review of Closure Report and Post-Remediation Health Risk Assessment**

In comments to the Regional Board from OEHHA received February 10, 2003, analytical data and health risk analyses presented in the Closure Report and Post-Remediation HRA, indicate that residual levels of hazardous contaminants at Parcel 18 are below levels of concern. Therefore, it was concluded by OEHHA that the Site will not pose any significant health threat to humans following the development of the property. OEHHA also noted that as long as the nature, extent, and severity of the contamination does not significantly depart from those identified at this Site, and the use of the land does not depart from the proposed use, the health risks associated with residual contamination left in soils at the Site will not exceed - and most likely will be less than - those estimated for the protection of human health.

### **No Further Action Required**

Based on the information submitted in the Closure Report and on comments received from OEHHA in their Memorandum received February 10, 2003, and with the provision that information provided to this Regional Board is accurate and representative of conditions at the subject site, we have no further requirements for the property with respect to the Spills, Leaks, Investigation, and Cleanup Program at this time. Although minor residual levels of contaminants remain in soil beneath the subject site, additional cleanup is not required due to the low concentrations detected, which pose minimal threat to human health or groundwater quality. A written notification must be provided to the Regional Board within 72 hours should additional contamination be encountered during any future activities at the Site and also a written notification must be submitted to this Regional Board should a change of current land use be proposed. In addition, the jurisdiction requirements of other agencies, such as the United States Environmental Protection Agency, are not affected by this Regional Board's "No Further Action" determination. Such agencies may choose to make their own determination concerning this site.

We would like to take this opportunity to thank you for your full cooperation with this Regional Board during the course of the site assessment and soil remediation. **If you have any questions, please call Mr. J.T. Liu at (213) 576-6667 or Mr. David Young at (213) 576-6744.**

### **California Environmental Protection Agency**

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Recycled Paper

*Our mission is to preserve and enhance the quality of California's water resources for the benefit of present and future generations.*

Mr. Richard Thorpe  
Blue Line Construction Authority

- 4 -

February 20, 2003

Sincerely,



Dennis A. Dickerson  
Executive Officer

cc: Mr. Habib Balian, Metro Blue Line Construction Authority  
Mr. John Harris, Richards, Watson & Gershon  
Mr. Mark Bierei, Montgomery Watson  
Mr. Frank Tam, Montgomery Watson  
Ms. Chris Kinne, California Environmental Protection Agency

**California Environmental Protection Agency**

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# California Regional Water Quality Control Board

## Los Angeles Region



Winston H. Hickox  
Secretary for  
Environmental  
Protection

Over 50 Years Serving Coastal Los Angeles and Ventura Counties  
Recipient of the 2001 *Environmental Leadership Award* from Keep California Beautiful

Gray Davis  
Governor

320 W. 4th Street, Suite 200, Los Angeles, California 90013  
Phone (213) 576-6600 FAX (213) 576-6640 - Internet Address: <http://www.swrcb.ca.gov/rwqcb4>

June 28, 2002

Richard Thorpe  
Chief Executive Officer  
Metro Blue Line Construction Authority  
625 Fair Oaks Ave, Suite 200  
South Pasadena, CA 91030

**NO FURTHER ACTION - AVENUE 26 STATION SITE - LOS ANGELES TO PASADENA  
BLUE LINE - (SLIC NO. ~~904A~~, PCA #204-BK)**

*904e 204EG*

Dear Mr. Thorpe:

The Los Angeles Regional Water Quality Control Board (Regional Board) has received the "Response To Comments" letter dated April 30, 2002 and "Additional Information" letter with four attached figures (Figure 1 - 4 cross sections of soil remediation) dated May 24, 2002, from your consultant Bryan A. Stirrat and Associates (BAS).

The site is located on the southwestern side of Avenue 26 in the city of Los Angeles, California. The parcel is approximately 300 feet by 100 feet in dimension. The site is a former railroad embankment with the original grade being approximately 15 to 20 feet higher than the surrounding ground surface. Railroad bridges are present at both ends of the site. The site has been used over the last 100 years as part of the railroad right-of-way.

The primary contaminants of concern identified at the site include heavy metals (lead and arsenic), and total petroleum hydrocarbons (TPH). The TPH constituents impacting the site are primarily diesel and heavy oils.

Site soils have been remediated during 2001 by excavation of impacted soil. Approximately 6,000 cubic yards was excavated and hauled from the site of which approximately 1,420 cubic yards of impacted soil was excavated and hauled to several different disposal and recycling facilities depending on the character of the impacted soil. The remaining 4,580 cubic yards of clean soil was reused onsite. Residual soil contaminant consisting of elevated lead in the mid-southeastern portion of the subject site (sample point A26-5) was left in place below 12 feet concrete foundation. The concrete foundation will isolate the elevated lead soil and limit any leaching potential to impact water quality. The site has been developed into a train station for the Metro Blue Line.

Upon review of the information contained in the case file, and the "Request for Site Closure, Avenue 26 Station Site" dated January 21, 2002, prepared by BAS, the Regional Board grants this site no further action, based on the available information and with the provision that the information provided to this agency was accurate and representative of site conditions.

If contaminated soils are encountered during future site construction activities, you are required to provide verbal notification to this Regional Board immediately and submit a follow-up written report to this Regional Board within 72 hours. In addition, appropriate health and safety measures must be fully

**California Environmental Protection Agency**

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Mr. Richard Thorpe  
Metro Blue Line Construction Authority

- 2 -

June 28, 2002

implemented. Any contaminated soils that may be removed from the site shall be removed only to a legal point of disposal.

**If you have any questions concerning this letter, please feel free to call Dr. Rebecca Chou at (213) 576-6733.**

Sincerely,




Dennis A. Dickerson  
Executive Officer

cc: Mr. Robert Sams, State Water Resources Control Board  
Mr. Michael Lauffer, State Water Resources Control Board  
Mr. Habib Balian, Metro Blue Line Construction Authority  
Mr. John Harris, Richards, Watson & Gershon  
Mr. Mark Bierei, Montgomery Watson  
Mr. Frank Tam, Montgomery Watson  
Mr. Robert Hereti, City of Los Angeles Planning Department

**California Environmental Protection Agency**

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<b>Invoice Report</b>											
Back to Search Form											
Click the invoice numbers below (>30000) to view detailed invoice information											
Invoice #	Site ID	RP ID	Invoice Date	Balance Forward	Adjustments	New Charges	Invoice Amount	Total Amount Due	Amount Paid	Paid Date	
16514	204EG00	1344	10/3/2001	N/A	N/A	N/A	\$13,028.14	N/A	\$13,028.14	11/7/2001	
30642	204EG00	1344	6/7/2002	\$0.00	\$0.00	\$6,980.72	\$6,980.72	\$6,980.72	\$6,980.72	7/11/2002	
32905	204EG00	1344	2/13/2003	\$0.00	\$0.00	\$12,701.14	\$12,701.14	\$12,701.14	\$12,701.14	3/10/2003	
33860	204EG00	1344	4/4/2003	\$0.00	\$0.00	\$3,799.47	\$3,799.47	\$3,799.47	\$3,799.47	4/23/2003	
34819	204EG00	1344	6/26/2003	\$0.00	\$0.00	\$3,907.28	\$3,907.28	\$3,907.28	\$3,907.28	7/11/2003	
35833	204EG00	1344	9/5/2003	\$0.00	\$0.00	\$10,696.78	\$10,696.78	\$10,696.78	\$10,696.78	11/25/2003	
36846	204EG00	1344	2/9/2004	\$0.00	\$0.00	\$1,154.81	\$1,154.81	\$1,154.81	\$1,154.81	3/2/2004	
37778	204EG00	1344	3/16/2004	\$1,154.81	\$0.00	\$385.84	\$385.84	\$1,540.65	\$385.84	3/25/2004	
39710	204EG00	1344	11/3/2004	\$0.00	\$0.00	\$238.11	\$238.11	\$238.11	\$238.11	1/10/2012	
40707	204EG00	1344	12/17/2004	\$238.11	\$0.00	\$88.74	\$88.74	\$326.85	\$88.74	1/10/2012	
41661	204EG00	1344	3/16/2005	\$326.85	\$0.00	\$419.03	\$419.03	\$745.88	\$419.03	1/10/2012	
42635	204EG00	1344	6/23/2005	\$745.88	\$0.00	\$262.66	\$262.66	\$1,008.54	\$262.66	1/10/2012	
43706	204EG00	1344	11/2/2005	\$1,008.54	\$0.00	\$198.75	\$198.75	\$1,207.29	\$198.75	1/10/2012	
54199	204EG00	1344	3/28/2008	\$1,207.29	\$0.00	\$231.69	\$231.69	\$1,438.98	\$231.69	1/10/2012	
57823	204EG00	1344	11/4/2008	\$1,438.98	\$0.00	\$610.90	\$610.90	\$2,049.88	\$610.90	1/10/2012	
59097	204EG00	1344	2/10/2009	\$2,049.88	\$0.00	\$73.92	\$73.92	\$2,123.80	\$73.92	1/10/2012	
61757	204EG00	1344	9/16/2009	\$2,123.80	\$0.00	\$731.55	\$731.55	\$2,855.35	\$731.55	1/10/2012	
63217	204EG00	1344	11/17/2009	\$2,855.35	\$0.00	\$61.79	\$61.79	\$2,917.14	\$61.79	1/10/2012	
65809	204EG00	1344	5/10/2010	\$2,917.14	\$0.00	\$57.43	\$57.43	\$2,974.57	\$57.43	1/10/2012	
67175	204EG00	1344	9/13/2010	\$2,974.57	\$0.00	\$276.91	\$276.91	\$3,251.48	\$276.91	1/10/2012	
68678	204EG00	1344	11/22/2010	\$3,251.48	\$0.00	\$213.20	\$213.20	\$3,464.68	\$213.20	1/10/2012	

Report Run on 2/6/2012 11:05:34 AM

## J-75 - Metro LACMTA, 900 Lyon Street

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EDMUND G. BROWN JR.  
GOVERNOR



MATTHEW RODRIGUEZ  
SECRETARY FOR  
ENVIRONMENTAL PROTECTION

## Los Angeles Regional Water Quality Control Board

November 6, 2015

Tom Kefalas  
Metropolitan Transportation Authority  
One Gateway Plaza, Mail Stop 99-18-10  
Los Angeles, CA 90012

**UNDERGROUND STORAGE TANK PROGRAM – CASE REFERRAL RESPONSE  
REGIONAL REBUILD CENTER  
900 LYON STREET, LOS ANGELES, CALIFORNIA  
(CASE NO.: 900120461) (GLOBAL ID NO.: T0603799304)**

Dear Mr. Kefalas:

On September 19, 2015, the City of Los Angeles Fire Department transmitted this case to this agency due to potential concerns of soil and/or groundwater impacts beneath the subject site (Site). The transmittal package contained technical reports titled "Soils Report" dated May 6, 2015 (the Report). Based on our review of the Report, we have the following findings:

- The site is currently used as a bus maintenance facility for METRO and is scheduled to continue operation in the future. The area within the vicinity of the site is a mixture of commercial and industrial properties.
- On April 6, 2015, one 4,000-gallon waste-oil underground storage tank (UST) was removed from the site. Two soil samples were collected from approximately 12.0 feet below ground surface (bgs) and submitted to a laboratory for analyses via USEPA Methods 8015M and 8260B full suite. Maximum concentrations of 260 mg/kg total petroleum hydrocarbons as diesel (TPHd), 150 mg/kg total petroleum hydrocarbons as gasoline (TPHg), 0.038 mg/kg ethylbenzene, 0.030 mg/kg xylenes, and 0.035 mg/kg naphthalene were detected in the soil samples. Other fuel constituents, fuel oxygenates and volatile organic compounds (VOCs) were not detected in the soil samples.
- Groundwater was not encountered during UST removal activities. However, according to GeoTracker, a Leaking Underground Storage Tank (LUST) site (Regional Board No. 900120398) located approximately 500 feet southeast of the subject site encountered groundwater at approximately 28.0 to 32.0 feet bgs.

Based on the above information, Regional Board staff has determined that these residual concentrations of fuel constituents pose a low threat to human health, soil and groundwater quality beneath the Site. Therefore, no further action is required to pursue any further soil and/or groundwater investigation at the Site. No Regional Board case for the Site will be opened at this time.

CHARLES STRINGER, CHAIR | SAMUEL UNGER, EXECUTIVE OFFICER

320 West 4th St., Suite 200, Los Angeles, CA 90013 | [www.waterboards.ca.gov/losangeles](http://www.waterboards.ca.gov/losangeles)

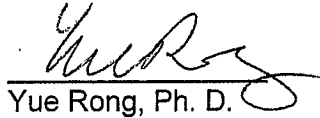
Mr. Tom Kefalas  
Regional Rebuild Center

-2-

November 6, 2015

If you have any questions, please contact Dr. Yi Lu at (213) 576-6695 or email him at [yi.lu@waterboards.ca.gov](mailto:yi.lu@waterboards.ca.gov).

Sincerely,



Yue Rong, Ph. D.  
Program Manager  
Underground Storage Tank Program

cc: Hani Malki, City of Los Angeles Fire Department

## **J-76 - Union Station, 800 N Alameda Street**

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Memo to File

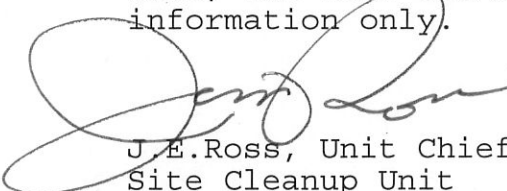
Date 8/16/96

**Subj:Site closure from SLIC List, SLIC # 311**

**Site Name: Metro Rail Site**

The soil impacted with TPH, maximum concentration of 4,000 ppm was used for soil reuse on property under this Board's approval in 1990.

Thus, the case can be closed from the SLIC list and filed for information only.



J.E. Ross, Unit Chief  
Site Cleanup Unit



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## **J-84 - Macy Street Yard, 720 Keller Street**

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**Metro**

Metropolitan Transportation Authority

One Gateway Plaza  
Los Angeles, CA 90012-2952

213.922.2000 Tel  
metro.net

March 21, 2014

Ms. Chand Sultana  
California EPA - Department of Toxic Substances Control  
9211 Oakdale Avenue  
Chatsworth, California 91311-6505

Subject: **Annual Status Report  
Former Macy Street Property  
710 Keller Street  
Los Angeles, California  
Assessor's Parcel No. 5409-021-902**

Dear Ms. Sultana:

In accordance with the requirements of the Land Use Covenant and Agreement (Covenant) for the referenced property, the Los Angeles County Metropolitan Transportation Authority (Metro) is hereby submitting our annual status report. The report consists of the completed Department of Toxic Substances Control (DTSC) annual status report form, a site use summary, and site photographs.

Please do not hesitate to contact me at (213) 922-2415, or Mr. Clint McMahan, Environmental Consultant, at (213) 213-9418, if you have any questions regarding this correspondence.

Sincerely,

Velma C. Marshall  
Deputy Executive Officer  
Metro Real Estate

**SITE USE DESCRIPTION SUMMARY: MARCH 2014**  
**FORMER MACY STREET PROPERTY**  
**710 KELLER STREET**  
**LOS ANGELES, CALIFORNIA**

- The site is currently developed as the "Keller Yard Layover Facility" as part of the Southern California Regional Rail Authority (SCRRA) Track Extension Project. Metro owns the site but has a Memorandum of Understanding (MOU) with the member agencies of the SCRRA that allows them to operate on Metro-owned properties.
- The site is currently a paved rail car storage facility equipped with four (4) tracks and support connections for each track.
- At the time of the site visit, a 'manned' guard shed was located just inside the gates to the north, adjacent to Keller Street. Two cargo containers were located under the busway overpass, at the south end of the property. Areas below the overpass is used as a vehicle parking lot. Two port-a-johns and wash station were observed located under the busway overpass, at the southwestern end of the property. A large capacity air compressor was observed in the southwestern part of the property, adjacent to Keller Street. A temporary office was observed near the northwest corner of the facility, next to a permanent storage shed. Additionally, a concrete pad was observed between the office and shed.
- An electrical panel and high voltage transformer was located just north of the guard shed. Rail service equipment was also located to the south of the property.
- Several metal covers were observed at the site. Some of the covers were for sewer, water and other utilities installed at various locations at the site.

Exhibit D

Annual Status Report For Covenant to Restrict Use of Property  
Former Macy Street Site (710 Keller Street, Los Angeles, CA)

Name of Person Completing Form:

Chris Chang

Address:

707 Wilshire Blvd #3250  
Los Angeles CA

Phone number:

213-213-9409

Date:

March 18, 2014

How was status verified?

Site walk and site

photos

	YES	NO
1. Is there a residence, including any mobile home or factory built housing, constructed or installed for use as residential human habitation on the property?		X
2. Is there a hospital for humans on the property?		X
3. Is there a public or private school for persons under 21 years of age on the property?		X
4. Is there a day care center for children on the property?		X
5. Is there evidence of disturbance of soil at or below 10 feet below grade surface? [If disturbance of soil was noted on the property explain in detail on attached pages the purpose of the disturbance, when it was performed, and who at the Department approved the Soil Management Plan.]		X
6. Was extraction of groundwater for purposes other than		X NA

Exhibit D

Annual Status Report For Covenant to Restrict Use of Property  
Former Macy Street Site (710 Keller Street, Los Angeles, CA)

site monitoring, site remediation or construction dewatering conducted at the Property? Was there any interference with or disturbance of the Monitoring Wells on the Property?

7. Did you fail to use due diligence and make an inquiry as to each and every restriction noted in the Covenant or listed on this annual status report form?

8. Has there been any change in the restrictions under a variance, modification or termination as approved by the Department under the Health and Safety Code? [If yes, describe in detail the change and the date of such approval for that change.]

9. Have there been any violations of the Covenant? [If yes, describe in detail on an attached page the steps taken to return to compliance.]

10. Is the following a true and accurate statement?


Statement: The undersigned is the Owner of Property subject to this Covenant, and hereby admits that such Property has been used for one or more of the purposes listed in Sections 4.01, 4.02, 4.03 and 4.04 of this Covenant during the past year.

	NO
	X
	X
	X
	X

Please explain each YES response in detail on attached pages.

I certify that the foregoing information is true and correct to the best of my knowledge. I understand that a person making a false statement or representation in this report may be subject to fine or imprisonment or both.

Signed:

  
DATE: 3/18/14

Representative of owner of the Former BNSF Macy Street site property,  
710 Keller Street, Los Angeles, California.

**PHOTOGRAPH LOG: March 2014  
FORMER MACY STREET PROPERTY  
710 KELLER STREET  
LOS ANGELES, CALIFORNIA**

Date	PHOTO #	DESCRIPTION
3/18/14	1	Metrolink entrance signage
	2	View of Rail service equipment, south of property looking east along the interstate.
	3	View of the air compressor, south of property located under the bus way overpass at the southwest end of the site.
	4	View of one cargo container, and two port-a-johns and wash station, located under the bus way overpass at the southwest end of the site.
	5	View of the parking lot at the south end of the site.
	6	View of the guard shed at the entrance of the site.
	7	View of the high voltage transformer near the entrance.
	8	View of the electrical panel, near the entrance
	9	View of the trash bin storage and office space north of the property.
	10	View of additional parking north end of the property.



**Los Angeles Metropolitan Transportation Authority – Macy-Keller Property**  
DTSC Annual Status Report  
710 Keller Street, Los Angeles, CA  
March 18, 2014

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Photo 1 Metrolink entrance signage



Photo 2 Rail service equipment, south of property



Photo 3 Compressor, south of property

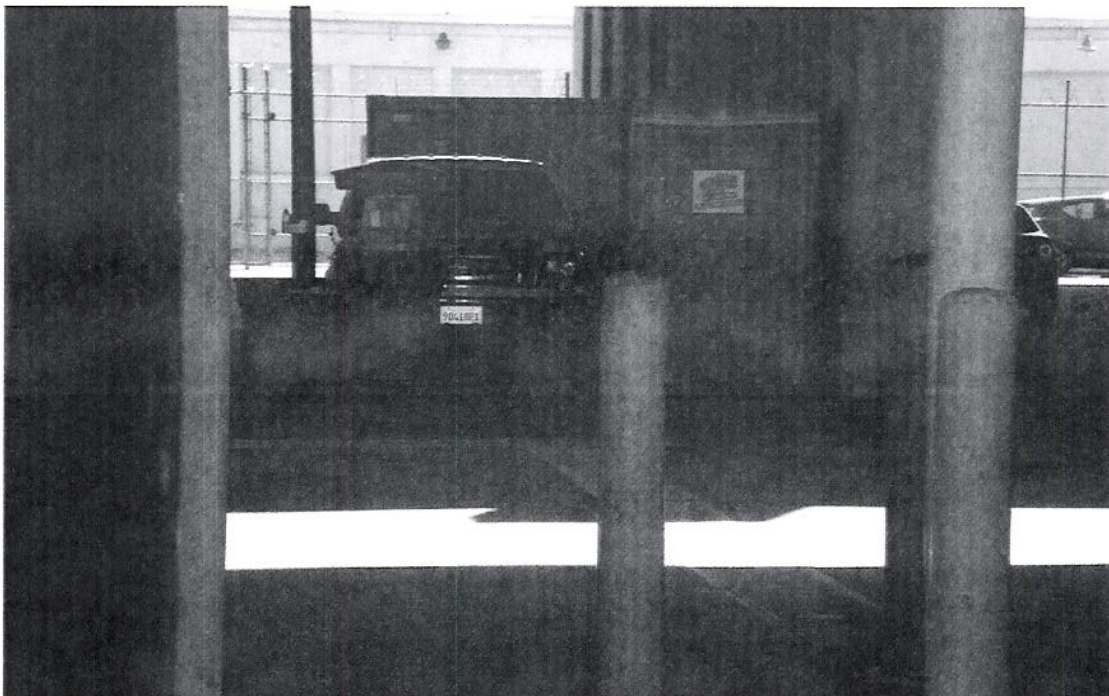


Photo 4 Container and portable toilets, south of property

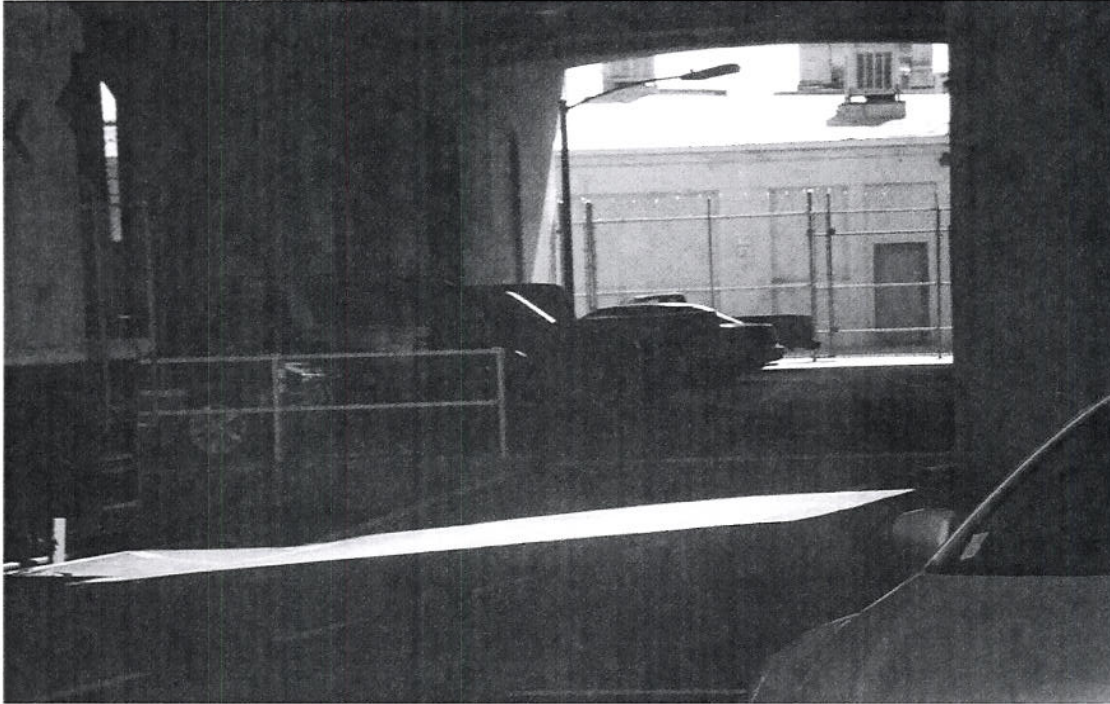


Photo 5 Parking lot, south of property



Photo 6 Guard shed, entrance on Keller Street



Photo 7 High voltage transformer, near entrance



Photo 8 Electrical panel, near entrance

**Los Angeles Metropolitan Transportation Authority – Macy-Keller Property**  
DTSC Annual Status Report  
710 Keller Street, Los Angeles, CA  
March 18, 2014

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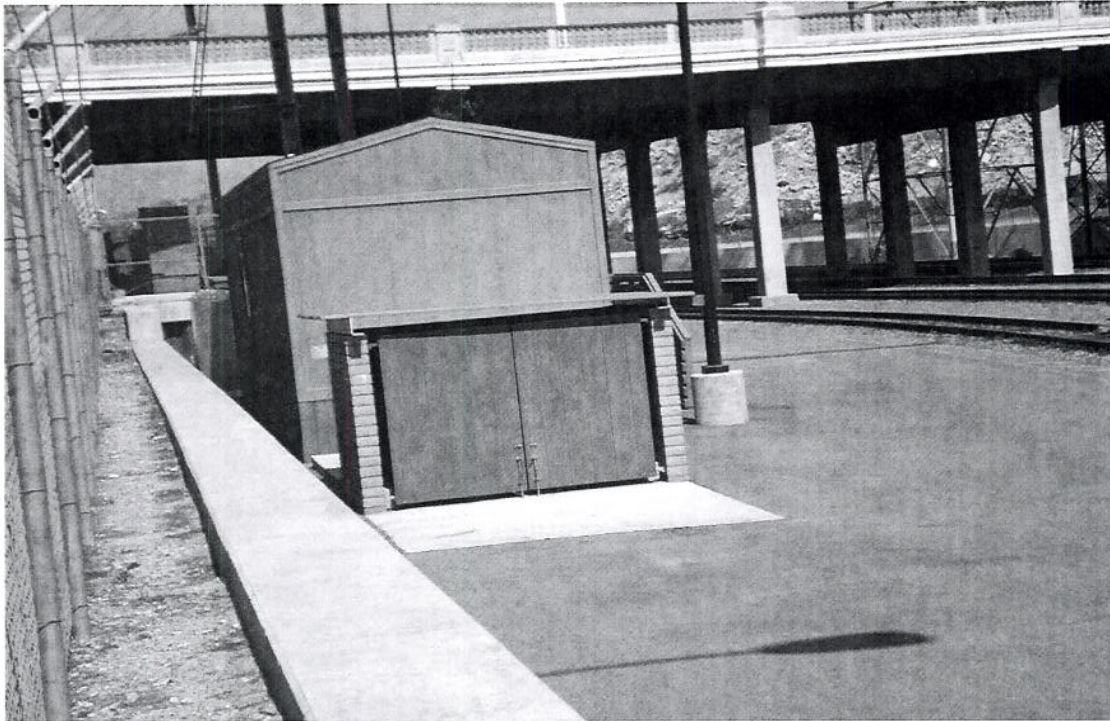


Photo 9 Trash bin, office space, north of property



Photo 10 Additional parking, north end of property

## J-90 - Union Bank, 120 South San Pedro Avenue

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**BOARD OF FIRE COMMISSIONERS**

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VICE PRESIDENT

DIANA M. BONTÁ  
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**CITY OF LOS ANGELES**  
CALIFORNIA



ANTONIO R. VILLARAIGOSA  
MAYOR

**FIRE DEPARTMENT**

**BRIAN L. CUMMINGS**  
FIRE CHIEF

200 NORTH MAIN STREET  
LOS ANGELES, CA 90012

(213) 482-7115  
FAX: (213) 482-6529

<http://www.lafd.org>

December 15, 2011

Ms. Cynthia Wagner  
Union Bank of California  
500 South Main Street, Suite 320  
Orange, CA 92868

Facility ID#: 34023  
RE:Permit ID#: 12145

Little Tokyo UST Retrofit  
120 South San Pedro Street  
Los Angeles, California

Dear Ms. Wagner:

The Fire Department has reviewed the "Site Assessment Report" dated December 5, 2006 submitted by TRC.

This letter confirms the completion of a site investigation performed under site assessment permit No. 12145 for the underground storage tank formerly located at the above site address. Thank you for your cooperation throughout this investigation. Your willingness and promptness in responding to our inquiries are greatly appreciated. The Fire Department has determined that no further action is required at this site.

Based on information in the above-referenced file, and provided that the information provided to this agency was accurate and representative of site conditions, this Agency finds that the site investigation and corrective action carried out at your site under permit number 12145 is in compliance with the requirements of Subdivisions (a) and (b) of Section 25296.10 of the Health and Safety Code and that no further action related to the petroleum release(s) at the site is required. This notice is issued pursuant to Subdivision (g) of Section 25296.10 of the Health and Safety Code.

Please note that this correspondence does not exempt you of any liability under the California Health and Safety Code or Water Code for past, present or future operations at this site. Additionally, you maintain responsibility to correct additional or previously identified and unidentified conditions at the site, which cause, or may thereafter cause, pollution or nuisance, or otherwise pose a threat to water quality or public health. In the event there is a future change of use of this property from its current use, all previously contaminated areas shall be reassessed based upon the proposed future usage guidelines for human and environmental hazards.

If you require additional information regarding this matter, please contact Eloy Luna of the Underground Storage Tanks - Plan Check Unit, at (213) 482-6520.

Very truly yours,

BRIAN L. CUMMINGS  
Fire Chief

  
Matthew L. Gatewood, Captain II  
Commander, Environmental Unit

MLG: EL: kmr: 120 South San Pedro Street#12145-nfasa

cc: Laurie McElhannon, TRC.



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## J-99 - Arco, 500 S. Alameda Street

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ENVIRONMENTAL  
ASSESSMENT AND  
REMEDATION  
MANAGEMENT, INC.



**FACSIMILE**

DATE: Oct. 27, 2000

TIME: 9:00 a.m.

TO: Mr. Dean Stivason

COMPANY: L.A. County Fire Dept

PHONE: (310) 732-4580

FAX: (310) 732-4579

FROM: EAR Management Inc.

PHONE: (909) 735-5575

FAX: (909) 735-8775

NUMBER OF PAGES: 8 (including cover sheet)

SITE: 500 South Alameda Stre

SUBJECT: Analytical Report

COMMENTS:

Thank you,

**SCANNED**

SEP 21 2004

**CHEMICAL & ENVIRONMENTAL LABORATORIES, INC.**

January 6, 1999

Certificate No.: 2268

Mr. Venkat D. Reddy  
Environmental Assessment &  
Remediation Management, Inc.  
2175 Sampson Ave., Suite 118  
Corona, CA 91719

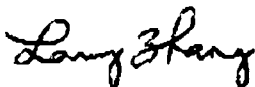
Project: 704881/Superfine Textco-L.A.

Dear Mr. Reddy:

Enclosed please find the report for the sample(s) received by Chemical & Environmental Laboratories and analyzed as indicated in the chain-of-custody attached.

We appreciate the opportunity to service the needs of your company. Please call me at (562) 921-8123 if you have any questions.

Sincerely,



Larry Zhang, Ph.D.  
Laboratory Director









**CHEMICAL & ENVIRONMENTAL LABORATORIES, INC.****QA/QC REPORT**

-- M8015(D,G)/M8020 --

**I. Matrix Spike (MS)/Matrix Spike Duplicate(MSD)**

Date Performed: 12/30/98

Lab Sample I.D.: 81230C

Unit: mg/kg

ANALYTE	SPK CONC	MS (mg/kg)	MS %	MSD (mg/kg)	MSD %	RPD	ACP %MS	ACP RPD
Benzene	0.0200	0.01	93	0.0192	96	3.7	80-120	20
Toluene	0.0200	0.01	92	0.0188	94	2.2	80-120	20
Ethylbenzene	0.0200	0.01	86	0.0188	93	7.8	80-120	20
Xylenes	0.0200	0.01	91	0.0191	98	4.8	80-120	20
Gasoline	1	0.84	96	1.02	102	6.1	80-120	20
Diesel	500	438	90	438	87	2.9	80-120	20

**II. Laboratory Quality Control Check Sample**

ANALYTE	SPK CONC	RESULT	%RECOVERY	ACP %
Benzene	0.0200	0.0178	88	80-120
Toluene	0.0200	0.0171	86	80-120
Ethylbenzene	0.0200	0.0167	84	80-120
Xylenes	0.0200	0.0172	86	80-120
Gasoline	1	0.84	94	80-120
Diesel	500	414	83	80-120

**CHEMICAL & ENVIRONMENTAL LABORATORIES, INC.****QA/QC REPORT**

-- EPA 7420 --

**I. Matrix Spike (MS)/Matrix Spike Duplicate(MSD)**

Date Performed: 01/05/99

Lab Sample I.D.: 81230C

Unit: mg/kg

ANALYTE	Sample CONC	SPK CONC	(mg/kg)	MS %	MSD (mg/kg)	MSD %	RPD	ACP %MS	ACP RPD
Lead	ND	250	222	88.8	237	94.8	6.5	75-125	20

CHEMICAL & ENVIRONMENTAL LABORATORIES, INC.

81230C

CHAIN OF CUSTODY RECORD

No 34992

Client: <b>EAR MANAGEMENTS P.C.</b>	Site Address: <b>500 SOUTH ALAMEDA ST</b>
Project No/Name: <b>704881/SUPERFINE EXP-ALP-LA</b>	<b>LOS ANGELES, CA 90013</b>
Project Manager: <b>VENKAT D. K. DEBY</b>	Sampled By: <b>Richard W. Wyma</b>
Tel: (909) 735-5575 Fax: (909) 735-8775	Date <b>12/30/98</b> Page <b>1</b> of <b>1</b>

SAMPLE ID	DATE	TIME	TYPE	CONTAINER TYPE	ANALYSES REQUIRED
1 Gas Pump #1	12-29-98	12:00 pm	oil?	Brass Storage	8015-M-GRE, 8020-BTX+E, MTBE, TOTAL LEAD <sup>7420</sup>
2 Gas Pump #2	12-29-98	12:10 pm	"	"	"
3 Gas Pump #3	12-29-98	12:20 pm	"	"	"
4 Gas Pump #4	12-29-98	12:30 pm	"	"	"
5 Gas Pump #5	12-29-98	12:40 pm	"	"	"
6 Gas Pump #6	12-29-98	12:50 pm	"	"	"
7 Gas Pump #7	12-29-98	1:00 pm	"	"	"
8 Gas Pump #8	12-29-98	1:10 pm	"	"	"
9 Diesel Pump #9	12-29-98	1:20 pm	"	"	8015-M-GRE, 8020-BTX+E, MTBE, TOTAL LEAD <sup>7420</sup>
10 Diesel Pump #10	12-29-98	1:30 pm	"	"	"
11 Diesel Pump #11	12-29-98	1:40 pm	"	"	"
12 Diesel Pump #12	12-29-98	1:50 pm	"	"	"

Remarks: *Samples refrigerated until delivery to Lab.*

Relinquished By: <b>R. Wyma</b>	Date: <b>12-30-98</b>	Time: <b>11:35 am</b>	Received By: <b>[Signature]</b>	Date: <b>12-30-98</b>	Time: <b>11:35 am</b>
Relinquished By:	Date:	Time:	Received By:	Date:	Time:

## **J-99 - Super Texaco, 500 S. Alameda Street**

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**3. A list of all historical and existing USTs, as well as their contents, capacities, dates of use, dates of removal, and a figure showing their locations:**

Existing: (1) 20,000 gallon diesel, (1) 20,000 gallon gas  
Date Installed – July 1992  
See **Figure 1** - Site Plan

Removed: (1) 10,000 gallon diesel, (1) 7,000 gallon gas, (1) 5,000 gallon diesel,  
(1) 5,000 gallon gas, and (1) 550 gallon waste oil  
Date Installed – Unknown  
Date Removed – 1992

Note: The current release was discovered during a piping and dispenser upgrade project in February 2005, not due to a UST leak.

**4. Contaminant Release Information (Summary Background)**

The following summarizes previous environmental investigations performed at the Site for the subject open case (information post-1993), based on information available to TRG from an LAFD file review.

**1998 Soil Sample Results**

Although no formal report was discovered by TRG, a laboratory analytical report for soil samples collected on December 29, 1998, by EAR Management showed diesel concentrations beneath four dispenser (#9, #10, #11, and #12) ranging from 1,079 ppm to 4,234 ppm (see **Attachment B - Chemical and Environmental Laboratories Report**, dated January 5, 1999). The contamination was discovered during a dispenser upgrade project. Based on these results, the LAFD issued a Notice of Violation dated December 5, 2000.

**2005 Dispenser and Pipeline Removal**

The UST system at the time of a dispenser and pipeline upgrade project in 2005 consisted of three gasoline USTs, one diesel UST, four gasoline dispensers, four diesel dispensers, and associated piping. Soil samples collected on February 25, 2005, following the pipeline and dispenser removal showed gasoline and diesel impact in some, but not all, of the soil samples collected, primarily north of the Site building and, to a lesser degree, east of the Site building (see **Attachment C – Fuel Dispenser and Pipeline Removal Report**, dated December 18, 2005, by Signal GeoScience).

The LAFD directed further assessment at the Site in a letter dated June 6, 2013.

2013 Workplan for Site Assessment

In response to the LAFD June 2013 directive, TRG submitted a *Workplan for Site Assessment*, dated September 6, 2013.

2016 Case Transfer

In a letter dated December 21, 2015, the LAFD referred the case to the LARWQCB (see **Attachment A**).

5. UST removal and/or repair information (include tank size and contents, removal and/or repair date)

See Items 3 and 4 above.

6. Tank disposal documentation, as well as soil disposal documentation (if any)

Dispenser and piping disposal information is addressed in Item 4 and **Attachment C**.

7. Copies of all previous site assessment and/or remediation reports, except for documents which are already uploaded to Geotracker

See **Attachment C**

8. Reports of all previous soil and groundwater sample analytical results, if any

See **Attachment B** and **Attachment C**

9. Name, telephone number, and email address of your environmental consultant

The Reynolds Group  
Project Manager: Tabitha Esther  
(714) 931-2308  
esther@reynolds-group.com

10. Copies of all correspondence regarding environmental assessment for the Site

See **Attachment A**.

**11. Current site use**

The site is currently an active gasoline service station.

**12. Property owner information**

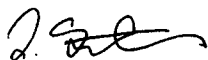
S.F. Holding LTD  
c/o Peter Karadjian  
(213) 626-1259  
Email: mcatscale@gmail.com

An executed Fee Title Holder Notification is provided as **Attachment D**.

As is the policy of the LARWQCB, this document is being uploaded to Geotracker only (ie. No email or hard copy to the LARWQCB).

If you have questions about this package, please reach our Project Manager for this case, Tabitha Esther at 714-931-2308. Thank you.

Sincerely,  
**THE REYNOLDS GROUP**  
a California corporation by:



Tabitha Esther  
Project Manager

**Attachments:**

- Figure 1 – Site Plan with UST Locations
- Attachment A – Agency Correspondence
- Attachment B – Chemical and Environmental Laboratories Report, dated January 5, 1999
- Attachment C – Fuel Dispenser and Pipeline Removal Report, dated December 18, 2005
- Attachment D – Fee Title Holder Notification



**FIGURE**



**General Notes**

- Proposed Soil Boring Locations
- Previous Soil Sampling Locations

**Project Details**

Name: Superfine Texaco

Address: 500 S. Alameda Street  
Los Angeles, CA

Number: 6714

**Figure Details**

SITE PLAN WITH PROPOSED BORING LOCATIONS

Figure #: Figure 2

Revise Date: August 2013

Scale: 1" = 20'


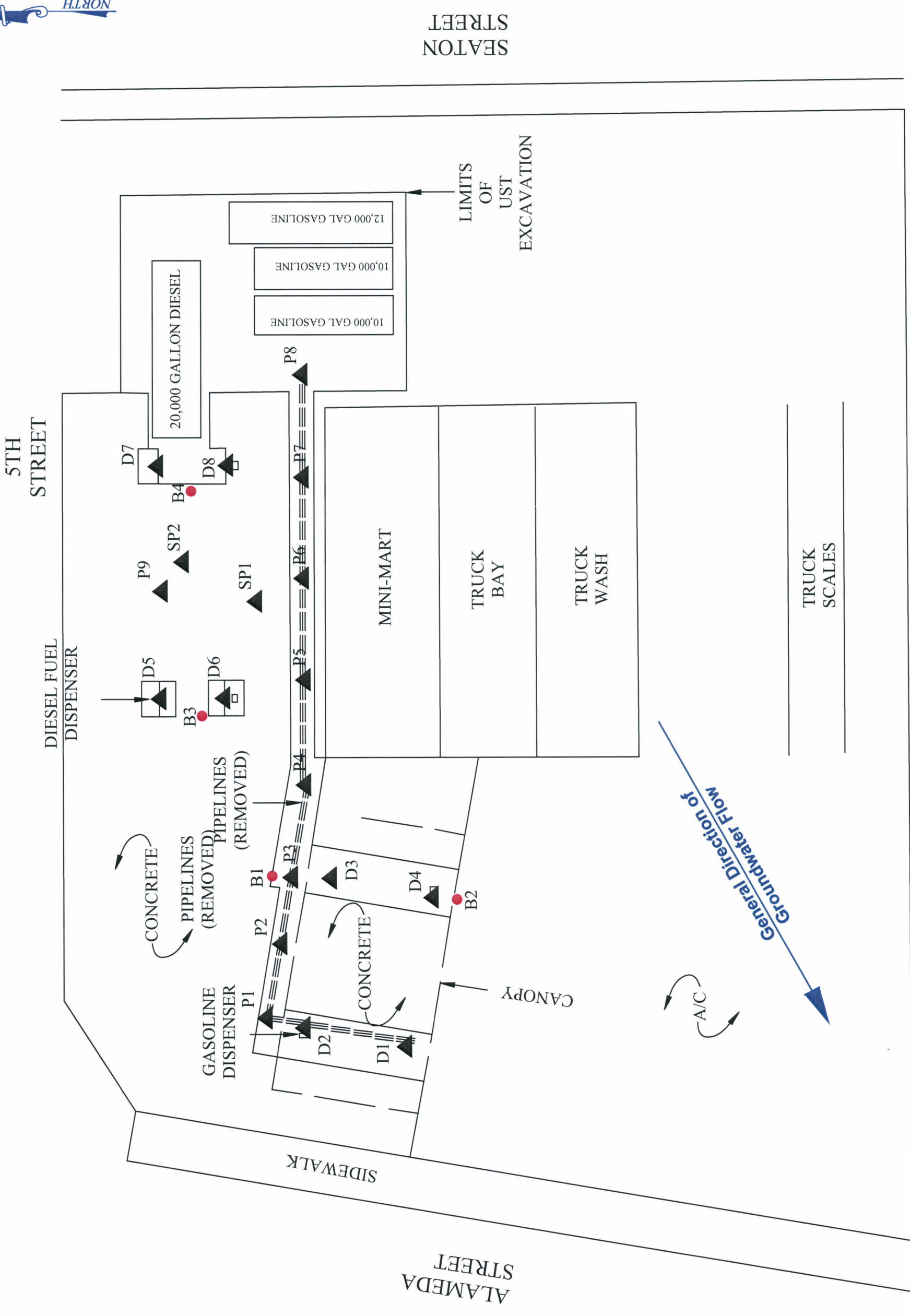
0' 20' Approximate Scale

**Company Information**

Address: 520 West 1st Street  
Tustin, CA 92780

Telephone: (714) 750-5397

Fax: (714) 750-6476

TRUCK  
SCALES

SEATON  
STREET

5TH  
STREET

ALAMEDA  
STREET

SIDEWALK

LIMITS  
OF  
UST  
EXCAVATION

General Direction of  
Groundwater Flow

A/C

## **ATTACHMENT A**

---

## Los Angeles Regional Water Quality Control Board

February 23, 2016

Mr. Peter Karadjian  
S.F. Holding LTD  
500 South Alameda Street  
Los Angeles, CA 90013

**UNDERGROUND STORAGE TANK PROGRAM – DIRECTIVE TO TAKE CORRECTIVE ACTION IN RESPONSE TO UNAUTHORIZED UNDERGROUND STORAGE TANK RELEASE PURSUANT TO HEALTH AND SAFETY CODE SECTION 25296.10 AND TITLE 23, CALIFORNIA CODE OF REGULATIONS, SECTIONS 2720-2727  
REQUEST FOR ADDITIONAL INFORMATION  
SUPER TEXACO  
500 SOUTH ALAMEDA STREET, LOS ANGELES, CA.  
(CASE NO.: 900130098) (GLOBAL ID NO.: T10000008419) (PRIORITY D-1)**

Dear Mr. Karadjian:

Pursuant to Health and Safety Code section 25296.10, you are required to take corrective action (i.e., Preliminary Site Assessment, Soil and Water Investigation, Corrective Action Plan Implementation, and/or Verification Monitoring) to ensure protection of human health, safety, and the environment. Corrective action requirements are set forth in California Code of Regulations (CCR), title 23, sections 2720 through 2727.

On December 21, 2015, the City of Los Angeles Fire Department transmitted this case to our agency due to concerns of soil and groundwater impacts from the subject site. The California Regional Water Quality Control Board, Los Angeles Region (Regional Board), is the public agency with primary responsibility for the protection of ground and surface water quality for all beneficial uses within the Los Angeles and Ventura counties. As such, we are the lead regulatory agency for overseeing corrective action (assessment and/or monitoring activities) and cleanup of releases from leaking underground storage tank (UST) systems at the subject site (Site).

To facilitate our review and allow us to identify further required actions, please provide the following information regarding the referenced Site:

1. Facility mailing address, contact person's name, phone number, and e-mail address, if any;
2. Your telephone number and e-mail address;
3. A list of all historical and existing USTs, as well as their contents, capacities, dates of use, dates of removal, and a figure showing their location;
4. Contaminant release information (e.g., copy of Site Assessment Report);

5. UST removal and/or repair information (include tank size and contents, removal and/or repair date);
6. Tank disposal documentation, as well as soil disposal documentation (if any);
7. Copies of all previous site assessment and/or remediation report(s) except for the following document(s) that we have already received:
  - "Workplan for Site Assessment" dated September 6, 2013, prepared by The Reynolds Group.
8. Reports of all previous soil and groundwater sample analytical results (if any);
9. Name, telephone number, and e-mail address of your environmental consultant (if any);
10. Copies of all correspondence regarding environmental assessment for the subject Site;
11. Current site use;
12. Property Owner Information:

Pursuant to the California Health and Safety Code Section 25296.20(a) and Division 7 of the Porter Cologne Water Quality Control Act under Assembly Bill 681 (AB 681), the Regional Board is required to notify all current fee title holders for the subject site or sites impacted by releases from underground storage tanks prior to considering corrective action and cleanup or case closure. If corrective action data from the site indicate that release(s) from the underground storage tank systems have impacted offsite property, we are also required to notify offsite property owners. Therefore, you are required to provide to this Regional Board the name, mailing address, and phone number for any record fee title holders for the subject site, as well as any offsite property (ies) impacted by releases from the subject site, together with a copy of county record of current ownership (grant trust deed), available from the County Recorder's Office, for each property affected. Or, you can complete this Regional Board's "Certification Declaration for Compliance with Fee Title Holder Notification Requirements" (see [www.waterboards.ca.gov/losangeles/publications\\_forms/forms/ust/ab681\\_form.pdf](http://www.waterboards.ca.gov/losangeles/publications_forms/forms/ust/ab681_form.pdf)).

Copies of future technical reports shall also be sent directly to any other property owner(s) impacted by contamination from the Site. You are also responsible to provide new contact information if the property owner(s) changes. The new owner shall comply with the requirement stated above.

The above requested information is due to this Regional Board no later than **March 23, 2016**.

CCR, title 23, sections 3890-3895 require persons to submit electronic laboratory analytical data (i.e., soil, soil gas, or water chemical analysis) and locational data (i.e., location and elevation of groundwater monitoring wells), via the Internet to the SWRCB's GeoTracker database. The regulations and other background information are available at <http://geotracker.waterboards.ca.gov>.

Therefore, you are required to submit all laboratory data obtained after September 1, 2001 to the GeoTracker database. This includes any sampling completed for underground storage tank system removal, site assessment activities, periodic groundwater monitoring, and post cleanup verification sampling. Per the same regulations, you are also required to submit locational data obtained after January 1, 2002 for all groundwater monitoring wells (i.e., latitude, longitude, and elevation survey data), groundwater well information (e.g., depth to free product, monitoring well

status), and a site map. A complete copy of all clean-up and monitoring reports since January 1, 2005, must also be submitted to GeoTracker in PDF format.

**Regulatory Requirement for Electronic Submission of Laboratory Data to the GeoTracker Database**

On September 30, 2004, the State Water Resources Control Board (SWRCB) adopted the resolution to revise regulations in Chapter 30, Division 3 of Title 23 of California Code of Regulations (CCR), which requires persons to ensure electronic submission of laboratory analytical data (i.e., soil or water chemical analysis) and locational data (i.e., location and elevation of groundwater monitoring wells), to the SWRCB's GeoTracker database. The regulations and other background information are available at <http://geotracker.waterboards.ca.gov>.

In accordance with the above regulations, you are required to submit all laboratory data in the Electronic Deliverable Format to the SWRCB's GeoTracker database for any soil and/or groundwater samples obtained after September 1, 2001. This would include any sampling completed for underground storage tank system removal, site assessment activities, periodic groundwater monitoring, and post cleanup verification sampling. Per the same regulations, you are also required to submit locational data for all groundwater monitoring wells (i.e., latitude, longitude, and elevation survey data) together with groundwater information (i.e., elevation, depth to free product, monitoring well status, etc.) and a site map commencing January 1, 2002. Hard copy paper reports, which must also be electronically uploaded onto GeoTracker, are no longer required to be submitted to Regional Board.

If you have any questions regarding this matter, please contact Mr. Errick Llamas at (213) 576-6620 or email him at [ellamas@waterboards.ca.gov](mailto:ellamas@waterboards.ca.gov).

Sincerely,



Yi Lu, Ph.D., P.G.  
Senior Engineering Geologist  
Chief of Los Angeles River Watershed Unit  
Underground Storage Tank Section

Enclosure: Leaking UST Program Certification Declaration for Compliance with Fee Title Holder Notification Requirements (Assembly Bill 681)

cc: Micah Reich, State Water Resources Control Board,  
Underground Storage Tank Cleanup Fund  
Brian Partington, Water Replenishment District of Southern California  
Sarah Percy, The Reynolds Group

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EXECUTIVE ASSISTANT II

**CITY OF LOS ANGELES**  
CALIFORNIA



ERIC GARCETTI  
MAYOR

**FIRE DEPARTMENT**

RALPH M. TERRAZAS  
FIRE CHIEF

200 NORTH MAIN  
ROOM 1700  
LOS ANGELES, CA 90012

(213) 978-3700  
EMAIL  
LAFD.USTTESTNOTIFY@LACITY.ORG

[HTTP://WWW.LAFD.ORG](http://www.lafd.org)

December 21, 2015

Mr. Peter Karadjian  
S.F. Holding LTD  
500 South Alameda Street  
Los Angeles, CA 90013

Facility ID#:29647  
RE:Permit#: 29386

Super Texaco  
500 South Alameda Street  
Los Angeles , California

Dear Mr. Karadjian:

Assembly Bill 1701 (AB1701), became effective January 1, 2013, this Bill requires the local agencies to be certified by the State Water Resources Control Board (SWRCB) as a Local Oversight Program (LOP) Agency in order to implement the abatement of unauthorized releases of hazardous substances from Underground Storage Tanks (UST). On May 7, 2014, the SWRCB informed the Los Angeles City Fire Department (LAFD) that it is not certified as an LOP.

Therefore, in accordance with Health and Safety Code, Section 25297(b), we are referring this matter to the Los Angeles Regional Water Quality Control Board to address your Workplan for Site Assessment. For your convenience, a copy of the workplan has been emailed to the Los Angeles Regional Water Quality Control Board for further action.

Please send future reports and direct your questions or correspondence to:

Dr. Yue Rong  
State Regional Water Quality Control Board  
320 West 4<sup>th</sup> Street, Suite 200  
Los Angeles, CA 90013  
(213) 576-6600

December 21, 2015  
Peter Karadjian  
Page 2

If you have any questions regarding this matter, please contact Eloy Luna of the  
Underground Storage Tank-Plan Check Unit, at (213) 978-3708.

Very truly yours,

RALPH M. TERRAZAS  
Fire Chief

A handwritten signature in black ink, appearing to read "Hani Malki". The signature is written in a cursive, flowing style.

Hani Malki, CUPA Manager  
Environmental Unit

HGM: EL: kmr: 310 N Madison Ave#31123-wb-sr

cc: John Winkler, Fulcrum Resources Environmental



BOARD OF FIRE COMMISSIONERS

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EXECUTIVE ASSISTANT II

CITY OF LOS ANGELES

CALIFORNIA



ANTONIO R. VILLARAIGOSA  
MAYOR

FIRE DEPARTMENT

BRIAN L. CUMMINGS  
FIRE CHIEF

221 NORTH FIGUEROA  
SUITE 1500  
LOS ANGELES, CA 90012

(213) 482-7115  
FAX (213) 482-6529

<http://www.lafd.org>

June 6, 2013

Mr. Peter Karadjian  
S.F. Holding, LTD  
500 South Alameda Street  
Los Angeles, CA 90013

Facility ID#: 29647  
RE: Permit#: 29386

Superfine Texaco  
500 South Alameda Street  
Los Angeles, California

Dear Mr. Karadjian:

The Fire Department reviewed the Underground Storage Tank Removal report dated December 18, 2005, as submitted by Signal GeoScience. Based on the information provided, the level of soil contamination at this site exceeded the Fire Department's action levels. A Notice of Violation requiring you to submit a Site Assessment Work Plan was never acted upon. Therefore, Fire/Safety Violation Notice Number 201315 has been issued.

You are required to submit all of the following items as a complete package:

- A Work Plan for Site Assessment.
- A Community Health and Safety Plan must be included as a section in your Work Plan. To assist you, guidelines are available at:  
[www.lafd.org/prevention/pdf/forms/sa\\_workplan\\_guide.pdf](http://www.lafd.org/prevention/pdf/forms/sa_workplan_guide.pdf)
- Payment of **\$2112.00** for Invoice Number **IN0189099** dated **June 6, 2013**. Please submit payment with the report. The Work Plan will not be reviewed until the invoice is paid. Unpaid invoices past 60 days will be assessed a \$936 penalty.
- The *Required Information Form*, completed according to the instructions.
- The *Unauthorized Release Form* must be completed and returned according to the instructions.

**The report and payment are due no later than July 6, 2013.** Your submission must use the Site Address and Permit Number at the top of this letter, and your report must be titled: **WORK PLAN FOR SITE ASSESSMENT**. To facilitate processing, submit all required documents, forms and payment together, following the instructions and guidelines.

June 6, 2013  
Mr. Karadjian  
Page 2

Please mail your documents to:

Los Angeles Fire Department,  
Underground Storage Tanks – Plan Check Unit,  
221 North Figueroa Street, Suite 1500,  
Los Angeles, CA 90012.

If you have any questions regarding this matter, please contact Inspector Gregory Stevens of the Underground Storage Tanks – Plan Check Unit, at (213) 482-6527.

Very truly yours,

BRIAN L. CUMMINGS  
Fire Chief

A handwritten signature in cursive script that reads "Hanig Malki".

Hani Malki, CUPA Manager  
Environmental Unit

HGM: GWS: kmr: 500 South Alameda Street#29386nov

cc: David Lesperance, Signal GeoScience

City of Los Angeles  
**DEPARTMENT OF FIRE**  
**FIRE/LIFE SAFETY VIOLATION**

<b>TO:</b>  Mr. Peter Karadjian S.F. Holding, LTD 500 South Alameda Street Los Angeles, CA 90013	<b>NOTICE #</b> <b>201315</b>  <b>NOTICE DATE</b> June 6, 2013 <b>INSP DATE</b> <b>REINSPECT DATE</b>  <b>BLOCK #</b> <b>FS DISTRICT</b> <b>INSPECTOR #</b> Gregory Stevens <b>LEGAL DESC</b> <b>COUNCIL DST</b>
<b>DBA</b> Superfine Texaco	
<b>Address of Violation</b> 500 South Alameda Street	
<b>Responsible Party: Mr. Peter Karadjian</b>	
<b>Emergency Phone:</b>	

**COMPLY WITH REQUIREMENTS AS NOTED**

- [X] A Work Plan must be submitted and approved prior to conducting any site assessment work. The Work Plan must describe all activities to be undertaken and appropriate protocols to be used. CCR Title 23, Div. 3, Chapter 16, Article 11 s2720 thru 2728; L.A.M.C. (57.31.30), (57.31.38), (57.31.38.01)
- [X] Payment of **\$2112.00** is due **July 6, 2013**. Submit payment with Work Plan. Invoice is attached. Work Plans will not be reviewed unless the invoice is paid. Unpaid invoices past 60 days will be assessed a **\$1056** penalty.
- [X] Provide a site assessment certified by a Professional Civil Engineer (PE), Professional Geologist (PG), Certified Engineering Geologist (CEG), Certified Hydrogeologist (CHG) or Professional Petroleum Engineer (PPE). This report shall describe all assessment activities you intend to conduct. Address and justify any and all deviations from the site assessment workplan. The vertical and lateral extent of contamination shall be defined by providing soil borings and laboratory soil testing. L.A.M.C. (57.31.30), (57.31.38), (57.31.38.01)
- [X] The following compounds shall be tested using the indicated analytical method: **BTEX**: EPA method 8260B(8021B) – **MTBE, DIPE, ETBE, TAME, TBA**: EPA Method 8260B – **TPHg**: Cal-LUFT GC/FID or GC/MS- TPHd. Laboratory testing shall meet the State of California Regional Water Quality Control Board Los Angeles Region General Requirements for Petroleum Hydrocarbon Impacted Sites table 1: Analytical Requirements dated 09/06. L.A.M.C. (57.31.30), (57.31.38), (57.31.38.01)
- [X] Methanol or ethanol must also be tested if gasoline was used historically or is currently used. Use Analytical Method **METHANOL**: Cal-LUFT GC/FID – **ETHANOL**: Cal-LUFT GC/FID (EPA 8260B). EPA Method 5035 shall be applied for soil sample preparation and preservation. L.A.M.C. (57.31.30), (57.31.38), (57.31.38.01), CCR Title 23, Div. 3, Chapter 16, Article 11 s2649
- [X] All borings shall extend a minimum of 20 feet below the lowest level of non-detect levels. L.A.M.C. (57.31.30), (57.31.38), (57.31.38.01)
- [X] Secure the area from unauthorized entry. L.A.M.C. (57.31.30) (57.31.38) (57.31.38.01) (57.31.50).
- [X] Positive analytical results for MTBE shall require boring(s) of a minimum 40 feet below non-detect levels. L.A.M.C. (57.31.30) (57.31.38) (57.31.38.01)
- [X] A remedial action plan must be submitted and approved prior to conducting any remediation. L.A.M.C. 57.31.30, CCR Title 23, Div. 3, Chapter 16, Article 11 s2720 thru 2728. (A separate permit will be required for remediation.)

Observations / Comments / Compliance Notes

**WARNING**

FAILURE ON YOUR PART TO COMPLY WITH IN **30 DAYS** OF THIS NOTICE ON OR BEFORE **July 6, 2013** WILL SUBJECT YOU TO PENALTIES PRESCRIBED BY ORDINANCE. NONCOMPLIANCE WITH THIS ORDER SHALL RESULT IN A NONCOMPLIANCE FEE BASED UPON A FIRE INSPECTOR'S TOTAL HOURLY RATE, THREE HOUR MINIMUM CHARGE, FOR EACH REINSPECTION REQUIRED. CURRENT MINIMUM CHARGE IS **\$528 PER REINSPECTION**.

OWNER/RESPONSIBLE PARTY: **Mr. Peter Karadjian**

FOR ADDITIONAL INFORMATION  
PHONE:

(213) 482-6527

BY ORDER OF THE FIRE CHIEF

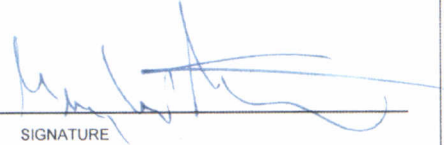
Underground  
Storage Tank -  
Plan Check Unit

BY **Gregory Stevens**

INSPECTOR

ASSIGNMENT

SIGNATURE



**Fire Department Use -----**

I DISCUSSED THE VIOLATIONS  
ON THIS NOTICE WITH \_\_\_\_\_

ON \_\_\_\_\_

DATE

MEMBER'S SIGNATURE

I DELIVERED THIS NOTICE ON: \_\_\_\_\_ TO \_\_\_\_\_

DATE

RESPONSIBLE PARTY

MEMBER'S SIGNATURE

I MAILED THIS NOTICE VIA U.S. MAIL ON: \_\_\_\_\_

June 6, 2013

DATE

MEMBER'S SIGNATURE

COMPLIANCE ON: \_\_\_\_\_

DATE

MEMBER'S SIGNATURE

FORWARDED TO LEGAL LIAISON ON: \_\_\_\_\_

DATE

MEMBER'S SIGNATURE



**LOS ANGELES FIRE DEPARTMENT**

**DIVISION 5 PERMIT STATEMENT**

**FIRE PREVENTION BUREAU TECHNICAL SECTION**  
200 NORTH MAIN STREET, ROOM 1780  
LOS ANGELES, CA 90012  
(213) 978-3680

**INVOICE**

**Invoice Date:** 6/6/2013  
**Permit No/RFI:** SR0029386  
**Invoice No:** IN0189099  
**Owner Name:** KARADJIAN, PETER  
**Owner Address:** 50 S ALAMEDA ST  
, CA  
**Owner Phone No:** (213) 626-1259

**SUPERFINE II (VALERO)**  
500 S ALAMEDA  
LOS ANGELES, CA 90013

**CONTRACTOR (Company Name/Self):**  
SIGNAL GEOSCIENCE

**Site Address:** 500 S ALAMEDA ST  
LOS ANGELES, CA 90013

DATE	PE	DESCRIPTION	AMOUNT
<b>CHARGES</b>			
6/6/2013	5400	UST SITE ASSESSMENT AND REMEDIATION	\$2,112.00
<b>CHARGES SUBTOTAL:</b>			<b>\$2,112.00</b>
<b>CHARGES:</b>			<b>\$2,112.00</b>
<b>PENALTIES:</b>			<b>\$0.00</b>
<b>PAYMENTS:</b>			<b>\$0.00</b>
<b>ADJUSTMENTS:</b>			<b>\$0.00</b>
<b>INVOICE TOTAL DUE:</b>			<b>\$2,112.00</b>

For Division 5 Permits:  
Plan Check and Inspection services are calculated on a fee for service basis.  
Each type of transaction has been assigned a charge based on the estimated time required for the service.  
If Plan Check/Inspection services exceeded the assigned hours, additional charges will accrue in 1 hour increments. These additional charges will be billed to the Responsible Party.

## UNDERGROUND STORAGE TANK (UST) SITE - UNAUTHORIZED RELEASE / CONTAMINATION REPORT

EMERGENCY <input type="checkbox"/> Yes <input type="checkbox"/> No		HAS STATE OFFICE OF EMERGENCY SERVICES REPORT BEEN FILED? <input type="checkbox"/> Yes <input type="checkbox"/> No		<b>FOR LOCAL AGENCY USE ONLY</b> I HEREBY CERTIFY THAT I AM A DESIGNATED GOVERNMENT EMPLOYEE AND THAT I HAVE REPORTED THIS INFORMATION TO LOCAL OFFICIALS PURSUANT TO SECTION 25180.7 OF THE HEALTH AND SAFETY CODE.	
REPORT DATE		CASE #			
REPORTED BY	NAME OF INDIVIDUAL FILING REPORT		PHONE ( )	SIGNATURE	
	REPRESENTING <input type="checkbox"/> LOCAL AGENCY <input type="checkbox"/> REGIONAL BOARD <input type="checkbox"/> OWNER/OPERATOR <input type="checkbox"/> OTHER		COMPANY OR AGENCY NAME		
	ADDRESS				
		STREET	CITY	STATE	ZIP
RESPONSIBLE PARTY	NAME		CONTACT PERSON		PHONE ( )
	<input type="checkbox"/> Unknown				
ADDRESS					
		STREET	CITY	STATE	ZIP
SITE LOCATION	FACILITY NAME (IF APPLICABLE)		OPERATOR		PHONE ( )
	ADDRESS				
			STREET	CITY	COUNTY
CROSS STREET					
IMPLEMENTING AGENCIES	LOCAL AGENCY    AGENCY NAME			PHONE ( )	
	REGIONAL BOARD			PHONE ( )	
SUBSTANCES INVOLVED	(1)	NAME		QUANTITY LOST (GALLONS)	
				<input type="checkbox"/> Unknown	
	(2)			<input type="checkbox"/> Unknown	
DISCOVERY/ABATEMENT	DATE DISCOVERED		HOW DISCOVERED		
			<input type="checkbox"/> Tank Test <input type="checkbox"/> Tank Removal <input type="checkbox"/> Nuisance Conditions <input type="checkbox"/> Inventory Control <input type="checkbox"/> Subsurface Monitoring <input type="checkbox"/> Other		
	DATE DISCHARGE BEGAN		METHOD USED TO STOP DISCHARGE (CHECK ALL THAT APPLY)		
		<input type="checkbox"/> Unknown <input type="checkbox"/> Remove Contents <input type="checkbox"/> Close Tank <input type="checkbox"/> Repair Tank <input type="checkbox"/> Change Procedure <input type="checkbox"/> Replace Tank <input type="checkbox"/> Other <input type="checkbox"/> Repair Piping			
HAS DISCHARGE BEEN STOPPED?					
<input type="checkbox"/> Yes <input type="checkbox"/> No IF YES, DATE					
SOURCE/ CAUSE	SOURCE OF DISCHARGE		CAUSE(S)		
	<input type="checkbox"/> Tank <input type="checkbox"/> Piping <input type="checkbox"/> Dispenser <input type="checkbox"/> Delivery Problem <input type="checkbox"/> Submersible Turbine Pump (STP) <input type="checkbox"/> Other		<input type="checkbox"/> Spill <input type="checkbox"/> Overfill <input type="checkbox"/> Physical/Mechanical Damage <input type="checkbox"/> Corrosion <input type="checkbox"/> Installation Problem <input type="checkbox"/> Unknown <input type="checkbox"/> Other		
CASE TYPE	CHECK ONE ONLY				
	<input type="checkbox"/> Undetermined <input type="checkbox"/> Soil Only <input type="checkbox"/> Groundwater <input type="checkbox"/> Drinking Water -- (CHECK ONLY IF WATER WELLS HAVE ACTUALLY BEEN AFFECTED)				
CURRENT STATUS	CHECK ONE ONLY				
	<input type="checkbox"/> Open - Site Assessment <input type="checkbox"/> Open - Assessment & Interim Remedial Action <input type="checkbox"/> Open - Remediation		<input type="checkbox"/> Open - Verification Monitoring <input type="checkbox"/> Open - Inactive <input type="checkbox"/> Closed - No Further Action Required		
REMEDIAL ACTION	CHECK APPROPRIATE ACTION(S)				
	Human health exposure control? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown				
	Groundwater migration control? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown				
<input type="checkbox"/> No Action Required (NAR) <input type="checkbox"/> Excavate & Treat (ET) <input type="checkbox"/> Treatment at Hookup (TH) <input type="checkbox"/> Other <input type="checkbox"/> Excavate & Dispose (ED) <input type="checkbox"/> Free Product Removal (FPR) <input type="checkbox"/> Replace Supply (RS)					
COMMENTS					

**REQUIRED INFORMATION FORM**

**INSTRUCTIONS:** This form is to be filled out completely and must be the first page of any document, including all reports, submitted to the Los Angeles Fire Department (LAFD) Underground Storage Tank Unit (UST). To ensure accuracy this form must be completed on the computer or typed out. **Hand printing or writing will not be accepted.** The correct LAFD Facility I.D. No. and Division 5 Permit No. must be included for the submittal to be processed.

**\*\* (SOME INFORMATION MAY ALREADY BE PRE-ENTERED FOR YOUR CONVENIENCE)**

**PLEASE NOTE THAT AN ACCOMPANYING INTRODUCTORY LETTER ON YOUR COMPANY LETTERHEAD CANNOT BE SUBSTITUTED FOR THIS FORM.**

**Today's Date: 6/6/2013**

**Mail to:** City of Los Angeles Fire Department  
Environmental Unit – Underground Storage Tanks  
Attn: Inspector Gregory Stevens  
221 North Figueroa Street, Suite 1500  
Los Angeles, CA., 90012

**Report Title**

(Please select the applicable title from the drop down menu)

**Workplan for Site Assessment**

**LAFD Facility I.D. No. 29647**

**LAFD Division 5 Permit No.**

**LAFD Site Assessment Permit No. 29386**

**Site/Facility Name: Superfine Texaco**

**Site Address: 500 S. Alameda St.**

**City/State/Zip: Los Angeles, CA, 90013**

**Site Facility Description: Superfine Texaco**

**Tank Owner/Tank Operator/Responsible Party Contact Information**

**Contact Name and Title:**

**Contact Phone No.**

**Company Name:**

**Company Address:**

**City/State/Zip: Los Angeles, CA,**

**Consultant Information**

**Contact Name and Title:**

**Contact Phone No.**

**Company Name:**

**Company Address:**

**City/State/Zip: Los Angeles, CA,**

## UNDERGROUND STORAGE TANKS DIVISION 5 PERMIT FEES

Fees for Special Services are \$176/hour Effective October 29, 2012 L.A.M.C. 57.05.31

<b>Tank Installation:</b> Plan Check, Inspection, Soil Report Review	<b>\$1936</b> 11 hr. minimum*
<b>Tank Abandonment by Removal:</b> Plan Check, Inspection, Soil Report Review	<b>\$1936</b> 11 hr. minimum*
<b>Tank Abandonment-in-Place:</b> Plan Check, Inspection, Soil Report Review	<b>\$1936</b> 11 hr. minimum*
<b>Tank System Major Modifications, Add to Alter:</b> Plan Check, Inspection, Soil Report	<b>\$1936</b> 11 hr. minimum*
<b>Tank Entry Relining Repairs:</b> Plan Check, Inspection, Soil Report	<b>\$1056</b> 6 hr. minimum*
<b>Tank System Minor Repair:</b> Plan Check, Inspection	<b>\$528</b> 3 hr. minimum*
<b>Site Assessment A:</b> Work Plan for Site Assessment and Site Assessment Report	<b>\$2112</b> 12 hr. minimum*
<b>Site Assessment B:</b> Business Initiated Reports or Business Requests for No Further Action (Inspector Review of File)	<b>\$2112</b> 12 hr. minimum*
<b>Site Assessment C:</b> Remediation Action Plan and Remediation Final Closure Report	<b>\$2112</b> 12 hr. minimum*
<b><u>Expedite Plan Check or Site Assessment:</u></b> <u>In addition to D5 permit</u>	<b>\$704.00,</b> 4 hr. minimum* <i>Addition to original permit</i>
<b>Contractor Changes, Additional Plan Check (LAMC 57.05.31b)</b>	<b>\$176</b> 1 hr. minimum*

\* If additional time is required for Fire Department processing, the responsible party will be billed at the current hourly rate in effect.



**ATTACHMENT B**

ROUTING and SOIL ANALYSIS REPORT FORWARDING COVER SHEET

UNDERGROUND TANK ENFORCEMENT UNIT

Date: 11-20-00

C-485  
Custody

TO: Underground Tank Plan Check/Environmental, Inspector name (if known): \_\_\_\_\_

FROM: Inspector name: STIVASON Inspector No.: 423

SITE ADDRESS: 500 S, ALAMEDA

Soils report. It contains the results of analyzed soil samples that exceed our action levels. The following documents are a

- Photocopy of the Abandonment Information sheet
- Photocopy of the Division 5 Permit application and plot plan
- Soil Analysis Report
- Chain of custody
- Plot plan - showing locations of samples, if available.

Monitoring proposal. Forward all three copies.

Site assessment. The following documents are attached:

- Original Fire Life Safety Violation notice; the pink and yellow copies.
- Site assessment report, two copies.

Abandonment in place recommendation

Other: \_\_\_\_\_

Comments:

THESE SAMPLES WERE TAKEN 12-29-98  
I JUST RECEIVED THE ANALYTICAL. THIS  
WAS AN ADD TO ALTER WITH SAMPLES TAKEN  
UNDER THE DISPENSERS ONLY.

ENVIRONMENTAL  
ASSESSMENT AND  
REMEDATION  
MANAGEMENT, INC.



**FACSIMILE**

DATE: Oct. 27, 2000

TIME: 9:00 a.m.

TO: Mr. Dean Stivason

COMPANY: L.A. County Fire Dept

PHONE : (310) 732-4580

FAX : (310) 732-4579

FROM: EAR Management Inc.

PHONE: (909) 735-5575

FAX: (909) 735-8775

NUMBER OF PAGES: 8 (including cover sheet)

SITE: 500 South Alameda Street

SUBJECT: Analytical Report

COMMENTS:

Thank you,

**SCANNED**

SEP 21 2004

**CHEMICAL & ENVIRONMENTAL LABORATORIES, INC.**

January 6, 1999

Certificate No.: 2268

Mr. Venkat D. Reddy  
Environmental Assessment &  
Remediation Management, Inc.  
2175 Sampson Ave., Suite 118  
Corona, CA 91719

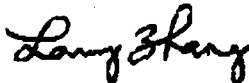
Project: 704881/Superfine Texaco-LA.

Dear Mr. Reddy:

Enclosed please find the report for the sample(s) received by Chemical & Environmental Laboratories and analyzed as indicated in the chain-of-custody attached.

We appreciate the opportunity to service the needs of your company. Please call me at (562) 921-8123 if you have any questions.

Sincerely,



Larry Zhang, Ph.D.  
Laboratory Director







**CHEMICAL & ENVIRONMENTAL LABORATORIES, INC.****QA/QC REPORT**

-- M8015(D,G)/M8020 --

**I. Matrix Spike (MS)/Matrix Spike Duplicate(MSD)**

Date Performed: 12/30/98

Lab Sample I.D.: 81230C

Unit: mg/kg

ANALYTE	SPK CONC	MS (mg/kg)	MS %	MSD (mg/kg)	MSD %	RPD	ACP %MS	ACP RPD
Benzene	0.0200	0.0182	93	0.0182	98	3.7	80-120	20
Toluene	0.0200	0.0188	92	0.0188	94	2.2	80-120	20
Ethylbenzene	0.0200	0.0186	86	0.0186	93	7.8	80-120	20
Xylenes	0.0200	0.0191	91	0.0191	96	4.8	80-120	20
Gasoline	1	1.02	96	1.02	102	6.1	80-120	20
Diesel	500	436	80	436	87	2.9	80-120	20

**II. Laboratory Quality Control Check Sample**

ANALYTE	SPK CONC	RESULT	%RECOVERY	ACP %
Benzene	0.0200	0.0178	88	80-120
Toluene	0.0200	0.0171	86	80-120
Ethylbenzene	0.0200	0.0167	84	80-120
Xylenes	0.0200	0.0172	86	80-120
Gasoline	1	0.84	84	80-120
Diesel	500	414	83	80-120



**CHEMICAL & ENVIRONMENTAL LABORATORIES, INC.****QA/QC REPORT**

--- EPA 7420 ---

**I. Matrix Spike (MS)/Matrix Spike Duplicate(MSD)**

Date Performed: 01/05/99

Lab Sample I.D.: 81230C

Unit: mg/kg

ANALYTE	Sample CONC	SPK CONC	(mg/kg)	MS %	MSD (mg/kg)	MSD %	RPD	ACP %MS	ACP RPD
Lead	ND	250	222	88.8	237	94.8	8.5	75-125	20

CHEMICAL & ENVIRONMENTAL LABORATORIES, INC.

81230C

CHAIN OF CUSTODY RECORD

No 34992

Client: <b>EAR MANAGEMENT, INC.</b>	Site Address: <b>500 SOUTH ALAMEDA ST.</b>
Project No/Name: <b>704881/SUPRAFINE EMPALD-LA</b>	<b>LOS ANGELES, CA 90013</b>
Project Manager: <b>VENKAT D. REDDY</b>	Sampled By: <b>Richard W. Wyman</b>
Tel: (909) 735-5575 Fax: (909) 735-8775	Date <b>12/30/98</b> Page <b>1</b> of <b>1</b>

SAMPLE ID	DATE	TIME	TYPE	CONTAINER TYPE	ANALYSES REQUIRED
1 Gas Pump #1	12-29-98	12:00 pm	7	Braes Sloane	SOX-N-GAS, TOXO BTX+E, MTSE, TOTAL LEAD <sup>7420</sup>
2 Gas Pump #2	12-29-98	12:10 pm	"	"	"
3 Gas Pump #3	12-29-98	12:20 pm	"	"	"
4 Gas Pump #4	12-29-98	12:30 pm	"	"	"
5 Gas Pump #5	12-29-98	12:40 pm	"	"	"
6 Gas Pump #6	12-29-98	12:50 pm	"	"	"
7 Gas Pump #7	12-29-98	1:00 pm	"	"	"
8 Gas Pump #8	12-29-98	1:10 pm	"	"	"
9 Diesel Pump #9	12-29-98	1:20 pm	"	"	SOX-N-GAS, TOXO BTX+E, MTSE, TOTAL LEAD <sup>7420</sup>
10 Diesel Pump #10	12-29-98	1:30 pm	"	"	"
11 Diesel Pump #11	12-29-98	1:40 pm	"	"	"
12 Diesel Pump #12	12-29-98	1:50 pm	"	"	"

Remarks: *Samples refrigerated until delivery to Lab.*

Relinquished By: <b>R. Wyman</b>	Date: <b>12-30-98</b>	Time: <b>11:35 am</b>	Received By: <b>[Signature]</b>	Date: <b>12-30-98</b>	Time: <b>11:35 pm</b>
Relinquished By:	Date:	Time:	Received By:	Date:	Time:

## **ATTACHMENT C**

# SIGNAL GEOSCIENCE

ENVIRONMENTAL AND GEOLOGIC CONSULTING  
3125 S. MADDOCK ST., SANTA ANA, CA 92704-6628  
TEL: 714-662-7614 FAX 714-662-7672

Palmer

RECEIVED

December 18, 2005

FACILITY # 29647 JUL 09 2007  
PERMIT # 12131 Underground Tank  
Site Assessment  
S/A PERMIT # n/a

Environmental Unit  
City of Los Angeles Fire Department  
City Hall East, Room 1700  
200 North Main Street  
Los Angeles, CA 90012

Subject: Fuel Dispenser and Pipeline Removal Report  
Superfine Texaco II, 500 S. Alameda Street, Los Angeles, CA 90013  
LAFD permit #12131

Dear Inspector

In accordance with the request of Serce and Molina's Engineering Inc. (MEI) we have prepared this report of fuel dispenser and fuel pipeline removal confirmatory soil sampling at 500 S. Alameda Street, Los Angeles, California 90013 (referred to as site or subject site).

On February 19, 2005 the County of Los Angeles Assessor's website listed the site with an Assessor's Parcel Number of 5163-027-012. The tract map indicates the property is composed of four lots (Lots 1 to 4). The tax assessor's website listed the site with a single 3,200 square foot building with a year built/effective year built of 1949. The truck scales are apparently on Lots 5 and 6 with tax assessor's numbers of 5163-027-013 and 5163-027-003.

The site is on the southeast corner of the intersection of Alameda Street and 5<sup>th</sup> Street in the downtown warehouse area of the City of Los Angeles, County of Los Angeles, California (Figure 1, Site Location Map). The site is bound by Alameda Street to the west, 5<sup>th</sup> Street to the north, Seaton Street to the east, and a commercial property to the south. The subject site and surrounding area is commercial: primarily warehouse or shipping related.

## GEOLOGY/HYDROGEOLOGY

Review of the USGS *Los Angeles 7.5 Minute Topographic Quadrangle, 1966, photo-revised 1981*, indicates that the site is at an elevation of 255 feet above mean sea level (MSL). The site is located in the Los Angeles River floodplain. The area of the site is relatively flat with a slope of less than 5 feet per 1,000 feet to the south.

The *Geologic Map of the Los Angeles Quadrangle* (Dibblee, 1989), shows the area of the site as Quaternary alluvium (Qa). The deposits are listed as unconsolidated floodplain deposits of gravel silt, sand and gravel. An "Abandoned Exploratory Oil (or Gas) Well" is shown near the southern border of the subject property on the map.

The site is within the Central Hydrologic Subarea Split (HSA 405.15) of the Coastal Plain Hydrologic Area (HA 405.10) of the Los Angeles-San Gabriel Hydrologic Unit (HU 405.00) as defined in the *Water Quality Control Plan, Los Angeles Region, 1994*. The Los Angeles River channel is ½ mile east of the site.

The site is within the Central Basin of the Los Angeles Coastal Plain (DWR Basin No. 4-11). Ground water in the basin occurs in Recent (Quaternary) alluvium and older deposits. Shallower semi-perched or perched ground water can occur above the main or deep aquifers. The ground water in the Central Basin has designated existing beneficial uses for municipal and domestic supply, industrial process supply, industrial services supply, and agriculture.

The County of Los Angeles, DPW, *Coastal Plain, Deep Aquifer, Groundwater Contour Maps* for Fall 1996 and Fall 1998 were reviewed for ground water elevation information. The subject site is just outside the northern limits of the map. Extrapolation of the contours on the 1998 map indicate that ground water in the main aquifer is at elevation of 10 feet below sea level. The 1996 map does not show ground water contours in the area of the site.

The locations of nearby wells were requested from the County of Los Angeles Department of Public Works Hydraulic/Water Conservation Division on January 5, 2004 for another project. A map provided by the DPW indicated that two wells were located within ½ mile of the subject site as follows:

Well 2765 is located on the block bound by 3<sup>rd</sup> Street, Alameda Street, 4<sup>th</sup> Street, and Central Avenue, approximately 1,000 feet north of the subject site. Ground water was last measured in well 2765 on March 13, 1979 at a depth of 109.1 feet from a ground surface elevation of 259.0 (ground water elevation 149.9 feet)

Well 2756 was located near the intersection of Agatha Street and Towne Avenue, approximately ½ mile south of the subject site. The well is listed as destroyed. Ground water was last measured in well 2756 on October 28, 1957 at a depth of 148.1 feet from a ground surface elevation of 246.3 feet (ground water elevation 98.2 feet).

Based on the above information it is estimated that ground water occurs at a depth of 100 feet below the ground surface of the subject property. The deep aquifer is approximately 265 feet below the ground surface. Ground water was not encountered to the maximum depth of 5 feet sampled during this investigation.

Division of Oil, Gas, and Geothermal Resources (DOGGR) *Map 119, Boyle Heights, Los Angeles Downtown, Union Station, Las Cienegas (Portion of Jefferson Area)* December 5, 1992 shows the subject site within the boundaries of the Union Station Field. The *Geologic Map of the Los Angeles Quadrangle* (Dibblee, 1989) shows the oil field proper as 1,800 feet north of the site.

DOGGR map 119 and the *Geologic Map of the Los Angeles Quadrangle* (Dibblee, 1989), show an abandoned oil well on or in the immediate area of the subject site. Map 119 lists the well as

Arco Oil & Gas Co "L. A. River Fee". The symbol for the well on the map indicates a Plugged and Abandoned - Dry Hole. The well was apparently drilled in 1948 to a depth of 4618 feet.

## BACKGROUND

The site is developed with a single building used for a truck stop including fuel sales, mini-mart, truck service, truck wash, and scales (Figure 2).

The fuel underground storage tank (UST) system consists of three gasoline USTs and one diesel fuel UST in a common excavation, four gasoline dispensers, four diesel fuel dispensers, and associated piping (Figure 2).

The pipelines for the gasoline dispensers and diesel fuel dispensers were in separate piping runs. The pipelines for the gasoline dispensers were located along the north side of the building. The pipelines for the diesel fuel dispensers went directly from the eastern fuel dispensers to the diesel fuel tank on the northern side of the UST excavation.

The subject site has been a truck stop since at least 1949. Information regarding previous UST systems or prior assessment work, if any, was not available for our review prior to completion of this report.

The fuel dispensers and pipelines were removed as part of a planned system upgrade. The fuel dispenser and pipeline removal and subsequent UST system upgrade was performed by Serce and MEI a state licensed "A" engineering contractor. A copy of the LAFD permit for the system upgrade is attached in Appendix A.

The fuel dispenser and pipeline removal confirmatory soil samples were obtained and this report was prepared by David Lesperance a California Professional Geologist and Certified Hydrogeologist with Signal Geoscience.

Inspector Glenn M. Martinez of the LAFD was on-site on February 25, 2005 for the fuel pipeline removal and to direct the soil sampling locations.

The fuel dispensers were removed and the tops of the pipelines and USTs were exposed prior to the arrival of Signal Geoscience on February 25, 2005. The soil from above the pipelines had been placed in a stockpile adjacent to the diesel fuel dispensers. The pipelines were being removed as Signal Geoscience arrived on site.

## SOIL SAMPLING

A total of nineteen soil samples were obtained below the removed fuel dispensers, removed fuel pipelines, and soil stockpile (Figure 2). One soil sample was obtained below each of the four gasoline dispensers (Samples D1 to D4) and four diesel fuel dispensers (D5 to D8). Eight soil samples were obtained at 20 foot intervals along the gasoline pipelines (P1 to P8). One soil sample was obtained at the mid-point of the diesel fuel pipeline (D9). Two soil samples were obtained from the soil stockpiles (SP1 and SP2).

Seventeen of the soil samples, all samples except P7 and P9, were obtained on February 25, 2005. Soil samples P7 and P9 were obtained on March 2, 2005 after all backfill material was cleared from above the pipeline trenches.

Sampling pits were hand-dug two feet into native soil below each of the eight fuel dispensers and nine fuel pipeline sampling locations. The sampling depths varied from 4 feet to 5 feet below the ground surface along the sloped trenches from the fuel dispensers back to the USTs.

Soil samples were obtained in sampling pits dug 2 to 3 feet into the soil stockpile.

Each sample was preserved by driving two Encore samplers (per EPA method 5035) and one brass tube directly into a freshly exposed surface in the sampling pit. The ends of each Encore sampler were capped, labeled, and placed in the sampling bag provided with the sampler. The ends of each brass tube were covered with Teflon tape or aluminum foil and capped with an inert lid. The samples were then labeled, placed in a sealed plastic bag, and stored in a chilled container. The samples were delivered to a state certified laboratory the same day as sampling, following chain-of-custody procedures.

Hydrocarbon odors were noted during the obtaining of gasoline dispenser samples D1 and D4, gasoline pipeline sample P3, and diesel fuel dispensers D5 to D8. A slight oily odor was noted while obtaining sample D1. Gasoline odors were noted during the obtaining of gasoline dispenser sample D4 and gasoline pipeline sample P3. Diesel odors were noted during the obtaining of diesel fuel dispenser samples D5 to D8.

No hydrocarbon odors or soil discoloration were noted during the sampling of the other ten locations.

#### LABORATORY ANALYSIS

Each of the nineteen soil samples was analyzed for Benzene, Toluene, Ethyl Benzene, and Xylene (BTE&X), and common fuel oxygenates in accordance with EPA method 8260B. The common fuel oxygenates for the purposes of this study are methyl tertiary butyl ether (MTBE), ethyl tertiary butyl ether (ETBE), tertiary butyl alcohol (TBA), diisopropyl ether (DIPE), and tertiary amyl methyl ether (TAME).

The four soil samples from below the gasoline dispenser (Sample D1 to D4) and eight samples from below the gasoline pipeline run (Samples P1 to P8) were also analyzed for Total Petroleum Hydrocarbons (TPH)-gasoline in accordance with EPA method 8015B-volatile and Ethanol and Methanol in accordance with EPA method 8015B.

The four soil samples from below the diesel fuel dispensers (D5 to D8) and one sample from below the diesel pipeline (D9) were also analyzed for TPH-diesel in accordance with EPA method 8015B-extractable

The two soil samples from the soil stockpile were also analyzed for TPH-gasoline, TPH-diesel, and methanol and ethanol in accordance with EPA method 8015B-volatile, EPA method 8015-extractable, and EPA method 8015, respectively.

TPH-gasoline or TVPH is a measurement of the total amount of gasoline range organic (GRO) compounds in a sample. TPH-diesel or TEPH is a measurement of the total amount of diesel range organic (DRO) compounds in a sample. BTE&X, common fuel oxygenates, methanol, and ethanol are components of fuel of environmental concern.

## RESULTS

The results of the analysis of the fuel dispenser and fuel pipeline removal confirmatory soil samples are summarized in Table 1. The complete laboratory reports including quality assurance/control data and chain-of-custody forms are attached in Appendix B.

Benzene, MTBE, the other fuel oxygenates were not detected in any of the nineteen soil samples.

TPH-gasoline, Toluene, Ethyl Benzene, and Xylene were detected in three of the twelve soil samples from below the gasoline dispensers and gasoline pipelines: soil samples D1, D4, and P3. TPH-gasoline or BTE&X were not detected in the other two gasoline dispenser samples (D2 and D3) and the other seven gasoline pipeline samples, P1, P2 and P3 to P8. Methanol and Ethanol were not detected in the four gasoline dispenser samples and eight gasoline pipeline samples.

TPH-diesel was reported at 964 mg/kg to 9,782 in each of the four diesel fuel dispenser soil samples, Samples D5 to D8. Toluene, Ethyl Benzene, and Xylene were reported at 137 µg/kg to 1,171 µg/kg in samples D5 and D6. Toluene, Ethyl Benzene, and Xylene were not detected in the other two diesel fuel dispenser samples, D7 and D8. TPH-diesel and BTE&X were not detected in the diesel fuel pipelines sample, Sample D9.

TPH-diesel, TPH-gasoline, BTE&X, ethanol and methanol were not detected in the two stockpile soil samples, SP1 and SP2.

## CONCLUSIONS

The field and laboratory results indicate that gasoline-impacted soil is present below the southeast fuel dispenser (Sample D4) and one location along the gasoline pipeline (Sample P3). The gasoline impacted soil does not appear to contain Benzene, MTBE, other fuel oxygenates, ethanol, and methanol. These results are indicative of older degraded gasoline. The trace levels of gasoline, ethyl benzene, and xylene detected in sample D1 is not considered significant other than as a possible indication of the lateral extent of the gasoline impacted soil at D4.

The field and laboratory results indicate the presence of diesel-impacted soil below each of the four removed diesel fuel dispensers. The lack of detection of TPH-diesel in diesel fuel pipeline sample D9, in the center of the diesel fuel dispenser area, indicates that the diesel-impacted soil may not be continuous across the diesel fuel dispenser area. The diesel-impacted soil contains



relatively low concentrations, 137 µg/kg to 1,171 µg/kg, of Toluene, Ethyl Benzene, and Xylene. Benzene, MTBE, other fuel oxygenates were not detected in the diesel impacted soil samples.

Signal Geoscience recommends that a workplan be developed to assess the vertical and lateral extent of the gasoline impacted soil at samples D4 and SP3 and the diesel impacted soil at samples D5 to D8.

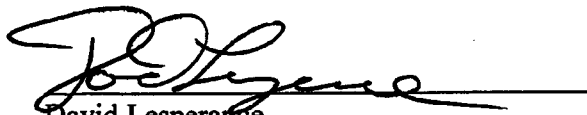
An underground storage tank unauthorized release (leak)/contamination site report form should also be completed and submitted to the LAFD

#### LIMITATIONS

Our professional services were performed using that degree of care and skill ordinarily exercised by environmental consultants practicing in this or similar localities. The findings were mainly based upon analytical results provided by an independent laboratory. Evaluations of the environmental conditions at the site for the purpose of this investigation are made from a limited number of available data points (i.e. soil samples) and subsurface conditions may vary away from these data points. The distribution of chemical concentrations in the subsurface can vary spatially and over time. The results of chemical analysis are valid as of the date and at the sampling location only. Signal Geoscience cannot be held accountable for the accuracy of the test data from an independent laboratory nor for any analyte quantities falling below the recognized standard detection limits for the method utilized by the independent laboratories.

Please feel free to call our office if you have any questions.

Sincerely,  
SIGNAL GEOSCIENCE

  
David Lesperance  
Professional Geologist



#### Attachments

- Table 1 Fuel Dispenser and Pipeline Removal Confirmatory Soil Sample Analysis
- Figure 1 Site Location Map
- Figure 2 Site Layout Map
- Appendix A UST System Modification Permits
- Appendix B Laboratory Reports, Fuel Dispenser and Fuel Pipeline Removal Confirmatory Soil Sample Analysis

TABLE  
 FUEL DISPENSER AND PIPELINE REMOVAL CONFIRMATORY SOIL SAMPLES  
 FEBRUARY 25 and MARCH 2, 2005  
 500 S. ALAMEDA STREET, LOS ANGELES, CALIFORNIA

SAMPLE	TPH-DIESEL	TPH-GASOLINE	BENZENE	TOLUENE	ETHYL BENZENE	XYLENE	MTBE	OTHER FUEL OXYGENATES	ETHANOL METHANOL
D1	---	0.9 mg/kg	ND (2 µg/kg)	ND (2 µg/kg)	18 µg/kg	75 µg/kg	ND (5 µg/kg)	ND (5 to 20 µg/kg)	ND(1,000 µg/kg)
D2	---	ND (0.1 mg/kg)	ND (2 µg/kg)	ND (2 µg/kg)	ND (2 µg/kg)	ND (2 µg/kg)	ND (5 µg/kg)	ND (5 to 20 µg/kg)	ND(1,000 µg/kg)
D3	---	ND (0.1 mg/kg)	ND (2 µg/kg)	ND (2 µg/kg)	ND (2 µg/kg)	ND (2 µg/kg)	ND (5 µg/kg)	ND (5 to 20 µg/kg)	ND(1,000 µg/kg)
D4	---	8,071.5 mg/kg	ND (1,000 µg/kg)	1,453,058 µg/kg	180,653 µg/kg	1,406,569 µg/kg	ND (2,500 µg/kg)	ND (2500 to 10000 µg/kg)	ND(1,000 µg/kg)
D5	9,782 mg/kg	---	ND (100 µg/kg)	397 µg/kg	1,171 µg/kg	693 µg/kg	ND (250 µg/kg)	ND (250 to 1000 µg/kg)	---
D6	5,862 mg/kg	---	ND (100 µg/kg)	243 µg/kg	869 µg/kg	137 µg/kg	ND (250 µg/kg)	ND (250 to 1000 µg/kg)	---
D7	1,376 mg/kg	---	ND (2 µg/kg)	ND (2 µg/kg)	ND (2 µg/kg)	ND (2 µg/kg)	ND (5 µg/kg)	ND (5 to 20 µg/kg)	---
D8	964 mg/kg	---	ND (2 µg/kg)	ND (2 µg/kg)	ND (2 µg/kg)	ND (2 µg/kg)	ND (5 µg/kg)	ND (5 to 20 µg/kg)	---
P1	---	ND (0.1 mg/kg)	ND (2 µg/kg)	ND (2 µg/kg)	ND (2 µg/kg)	ND (2 µg/kg)	ND (5 µg/kg)	ND (5 to 20 µg/kg)	ND(1,000 µg/kg)
P2	---	ND (0.1 mg/kg)	ND (2 µg/kg)	ND (2 µg/kg)	ND (2 µg/kg)	ND (2 µg/kg)	ND (5 µg/kg)	ND (5 to 20 µg/kg)	ND(1,000 µg/kg)
P3	---	679.9 mg/kg	ND (200 µg/kg)	2,563 µg/kg	1,055 µg/kg	41,674 µg/kg	ND (500 µg/kg)	ND (500 to 2000 µg/kg)	ND(1,000 µg/kg)
P4	---	ND (0.1 mg/kg)	ND (2 µg/kg)	ND (2 µg/kg)	ND (2 µg/kg)	ND (2 µg/kg)	ND (5 µg/kg)	ND (5 to 20 µg/kg)	ND(1,000 µg/kg)
P5	---	ND (0.1 mg/kg)	ND (2 µg/kg)	ND (2 µg/kg)	ND (2 µg/kg)	ND (2 µg/kg)	ND (5 µg/kg)	ND (5 to 20 µg/kg)	ND(1,000 µg/kg)
P6	---	ND (0.1 mg/kg)	ND (2 µg/kg)	ND (2 µg/kg)	ND (2 µg/kg)	ND (2 µg/kg)	ND (5 µg/kg)	ND (5 to 20 µg/kg)	ND(1,000 µg/kg)
P7	---	ND (0.1 mg/kg)	ND (2 µg/kg)	ND (2 µg/kg)	ND (2 µg/kg)	ND (2 µg/kg)	ND (5 µg/kg)	ND (5 to 20 µg/kg)	ND(1,000 µg/kg)
P8	---	ND (0.1 mg/kg)	ND (2 µg/kg)	ND (2 µg/kg)	ND (2 µg/kg)	ND (2 µg/kg)	ND (5 µg/kg)	ND (5 to 20 µg/kg)	ND(1,000 µg/kg)
P9	ND (10 mg/kg)	---	ND (2 µg/kg)	ND (2 µg/kg)	ND (2 µg/kg)	ND (2 µg/kg)	ND (5 µg/kg)	ND (5 to 20 µg/kg)	---
SP1	ND (10 mg/kg)	ND (0.1 mg/kg)	ND (2 µg/kg)	ND (2 µg/kg)	ND (2 µg/kg)	ND (2 µg/kg)	ND (5 µg/kg)	ND (5 to 20 µg/kg)	ND(1,000 µg/kg)
SP2	ND (10 mg/kg)	ND (0.1 mg/kg)	ND (2 µg/kg)	ND (2 µg/kg)	ND (2 µg/kg)	ND (2 µg/kg)	ND (5 µg/kg)	ND (5 to 20 µg/kg)	ND(1,000 µg/kg)

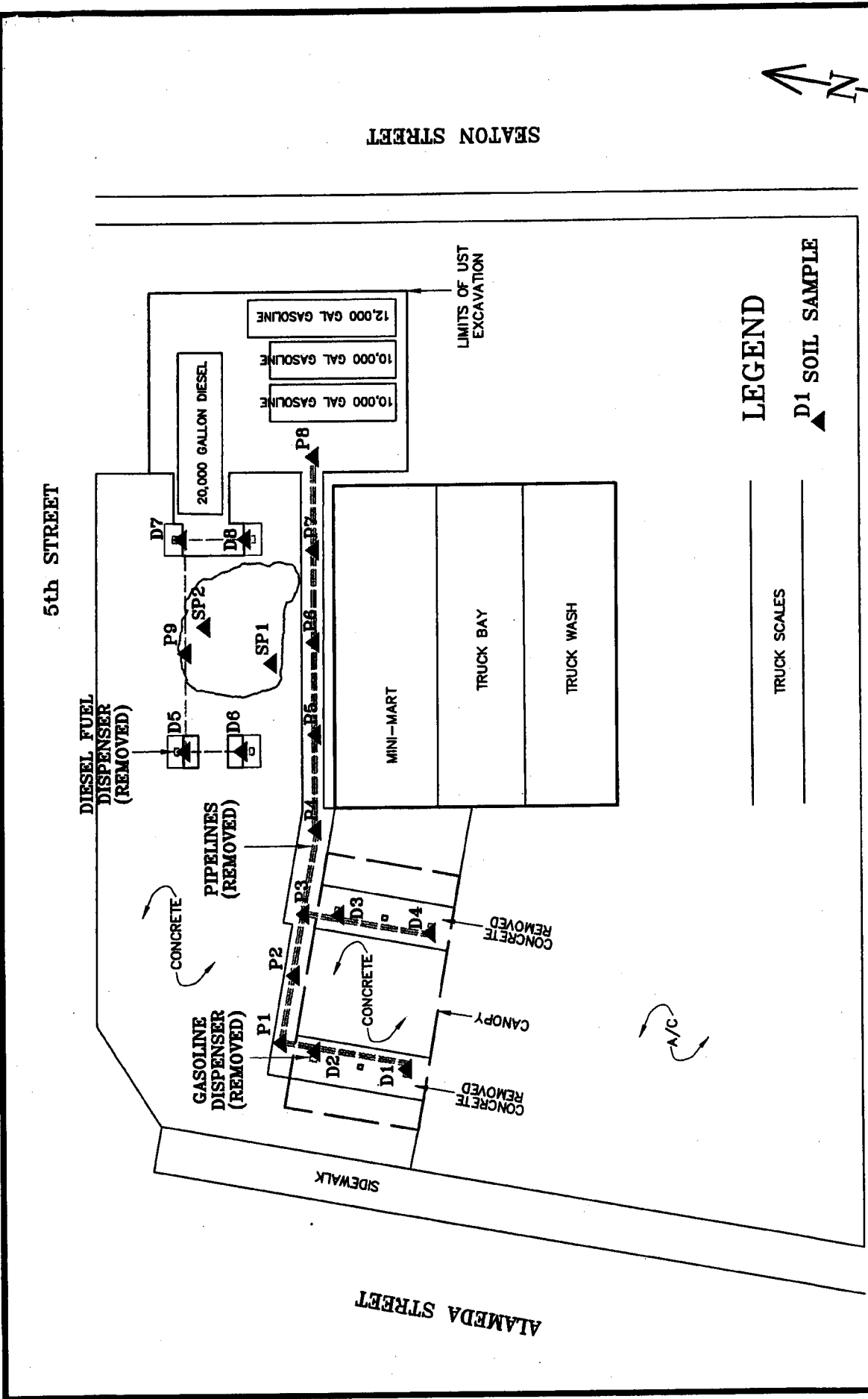
µg/kg Micrograms per kilograms (ppb, parts per billion)  
 mg/kg Milligrams per kilograms (ppm, parts per million)  
 ND Not Detected at the limits shown in parenthesis  
 --- Not Analyzed



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SITE LOCATION MAP  
 SUPERFINE TEXACO II  
 500 S. ALAMEDA STREET  
 LOS ANGELES, CA 90013

FIGURE 1



**LEGEND**

▲ D1 SOIL SAMPLE

TRUCK SCALES

**FIGURE 2**  
MARCH 2, 2005

**SITE LAYOUT**  
SUPERFINE TEXACO II  
500 S. ALAMEDA STREET  
LOS ANGELES, CA 90013

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**APPENDIX A**

**UST SYSTEM MODIFICATION PERMIT**