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December 10, 2007

Project No. 029

Mr. Don Hwang
Alameda County Health Care Services Agency
Environmental Protection
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Semi-Annual Groundwater Monitoring Report-June 2007
Pacific Supply Company
1735 24th Street
Oakland, California

Dear Mr. Hwang:

This report has been prepared by Brunsing Associates, Inc. (BAI) to provide a summary of the fieldwork completed at 1735 24th Street, Oakland, California (Plate 1) and the corresponding laboratory analytical results reported for groundwater samples collected during this semi-annual monitoring event. Fieldwork was conducted at the site on June 28 and 29, 2007. The fieldwork was completed in accordance with the Alameda County Health Care Services Agency (ACHCSA) correspondence dated November 6, 2003.

The conclusions regarding this property are based on observations of the existing conditions, and limited sampling and analytical work performed by BAI and its subcontractors during the time of the investigation and may be subject to change. Tabulated analytical data and other data gathered during this and previous BAI investigations, and presented herein, are to the best of our knowledge complete and correct. This report has been presented in accordance with generally accepted environmental engineering principles and practices. No other warranty, either expressed or implied, is made.

Site Background

In May 1987, efforts were initiated to abandon a 1,000-gallon underground gasoline storage tank at Pacific Supply Company's West Oakland site. Soil and associated vapor samples from exploratory boreholes at the site were analyzed by Anatec Laboratories. The results indicated that soil in the vicinity of the tank was contaminated with gasoline and raised the possibility that

gasoline may have reached groundwater below the site. During subsequent removal of the tank by Erikson Industrial Services, substantial deterioration of the tank body was documented. Gasoline odors were also detected during tank removal operations.

In order to assess the extent of soil and groundwater quality beneath and immediately adjacent to the Pacific Supply Company site and the potential for migration of contaminants from off-site sources, BAI carried out a two-phase soil and groundwater investigation. Monitoring wells MW-1 through MW-5 (Plate 2) were constructed in September 1988 as the first phase of the soil and groundwater investigation. Monitoring wells MW-6 and MW-7 were constructed on December 19, 1989 during Phase II of the same investigation. The construction and sampling of these wells are documented in BAI's "Report of Findings", dated March 23, 1990. The results of the Phase I and II investigations indicated that light petroleum hydrocarbons had migrated beyond the immediate vicinity of the former underground storage tank (UST); however, it was concluded that hydrocarbons in the soil and groundwater had not extended beyond the limits of the property.

The Pacific Supply Company initiated quarterly groundwater monitoring at the request of the ACHCSA in May 1992. Initially, only on-site wells were monitored for total petroleum hydrocarbons (TPH) as gasoline, benzene, toluene, ethylbenzene and xylenes (BTEX), and lead. Later, the five on-site and the two off-site wells were monitored quarterly.

A vapor extraction pilot study was performed in June 1992 to determine the feasibility of using vapor extraction technology as an in-situ corrective action to remove volatile petroleum hydrocarbons from the shallow subsurface soils. A two-inch diameter vapor extraction well (VEW-1) was installed at the location indicated on Plate 2 to an approximate depth of 8 feet below ground surface (bgs). The results of the 4-day pilot study indicated that the lithology at the site permitted the flow of air through the soils at a sufficient rate so as to volatilize hydrocarbon constituents in the soil. The radius of influence was determined in the field by measuring the relative pressure at several probe locations positioned at various radial distances away from the extraction well. The results indicated that the estimated radius of influence from the 2-inch diameter extraction well was approximately 30 feet at a relatively low pressure of less than 50 inches of water, as discussed in BAI's report titled "Vapor Extraction Remedial Design Report and Specification," dated May 24, 1993.

In response to an ACHCSA December 1992 request, BAI also performed an investigation to attempt to delineate the zero line of contamination. Ten soil borings (B-1 through B-10) were drilled as part of this investigation to depths of approximately 7 to 10 feet bgs (Plate 2). From each boring, one soil sample was retained from a depth of approximately 7 to 8 feet bgs for analytical testing of TPH as gasoline and BTEX. Further discussions of this investigation are provided in BAI's report titled "Vapor Extraction Remedial Design Report and Specification," dated May 24, 1993.



Vapor recovery wells VRW-1 through VRW-9 were constructed in August 1993 as part of a vapor recovery system. During installation of the extraction wells, soil samples were collected for chemical analysis in the borings at the depth where groundwater was first encountered, at approximately 7 feet bgs. Installations of these wells were documented in a February 7, 1994 report. A vapor extraction system was installed in the fall of 1993 as an interim remedial action. The system began operation on December 26, 1993. The system consisted of an internal combustion engine with a spray aeration tank for treatment of groundwater, and an activated carbon treatment polishing step prior to groundwater discharge. The internal combustion unit and spray aeration unit was manufactured by Remediation Service International (RSI), under the trade name Spray Aeration Vapor Extraction (SAVE) system.

On June 28, 1996, the treatment system was shut down with the concurrence of Pacific Supply Company. Prior to shut down, the system had destroyed an estimated 6,550 pounds of petroleum hydrocarbons since start of operations on December 26, 1993. After shut down, the water in the water tank was treated and discharged to the sanitary sewer under the existing permit and the inside of the tank was cleaned on July 15, 1996.

The permit with the Bay Area Air Quality Management District (BAAQMD) expired on September 1, 1996, and was not renewed. The water discharge permit was discontinued on July 31, 1996. The total volume of water discharged to the sanitary sewer was 151,089 gallons. In December 1996, the shut down and decommissioning of the system was authorized by Jennifer Eberle of the Alameda County Department of Health Services.

Groundwater monitoring continued following the shut down of the vapor extraction system. In August 2000, BAI supervised the drilling of three soil borings in 24th Street, on the north side of the Pacific Supply Company building in a downgradient direction from the former UST location. Grab groundwater samples were collected to evaluate whether off-site migration of hydrocarbon contamination in groundwater was occurring. One of the three groundwater samples was reported to contain low levels of TPH as gasoline, BTEX, and petroleum oxygenates. The results of the field investigation are presented in BAI's "Groundwater Investigation and Monitoring Report," dated December 14, 2000.

The drilling activities were performed on July 21, 2004 to determine the effectiveness of the vapor extraction system and to collect soil samples for geotechnical properties to aid in the evaluation of risk based cleanup scenarios. Soil borings CB-1 through CB-14 were drilled to depths ranging from 7 to 8.5 feet bgs. The soil samples selected for laboratory analyses were collected based on the elevation of the historical contamination in the vicinity of the boring, or direction from the ACHCS. The results of this investigation are presented in BAI's report titled "Soil Parameters and Confirmation Soil Sampling Investigation Report", dated January 31, 2005.

Table 1 presents a summary of groundwater analytical data and groundwater elevations for the monitoring wells. Table 2 presents the groundwater concentrations and groundwater elevations



for vapor recovery wells. Plate 2 presents a site map that shows the historical boring and sampling locations. Groundwater elevations calculated from this monitoring even are provided on Plate 3.

Scope of Work

The scope of work performed for this monitoring event included measuring depths to water in the groundwater and vapor recovery wells and collecting groundwater samples for laboratory analyses. The samples were submitted to a State-certified laboratory under chain of custody protocol.

On June 28, 2007 BAI measured depths to water in groundwater monitoring wells MW-1 through MW-3 and vapor recovery wells VRW-1 through VRW-9. The groundwater monitoring data and calculated elevations relative to mean sea level (MSL) for wells MW-1 through MW-3 (and historical data for wells MW-4 through MW-7) are presented in Table 1, and in Table 2 for vapor recovery wells VRW-1 through VRW-9.

On June 28 and 29, 2007 BAI collected groundwater samples from groundwater monitoring wells MW-1 through MW-3 and vapor recovery wells VRW-1, VRW-2, VRW-3, VRW-4, VRW-6, VRW-8 and VRW-9. Groundwater monitoring wells MW-4 through MW-7 were previously removed from the sampling program.

The groundwater sampling protocol and field logs are included in Appendix A. BACE Analytical & Field Services (BAFS) analyzed the groundwater samples for TPH as gasoline and for volatile organic compounds (VOCs) including BTEX and MTBE by EPA Test Method 8260. The groundwater analytical report for the groundwater samples is presented in Appendix B.

Groundwater Flow Direction

The calculated groundwater flow direction is toward the north with a gradient of approximately 0.003 feet per foot (ft/ft), with groundwater elevations ranging from 3.80 feet to 4.34 feet above MSL. The groundwater elevations are presented on Plate 3.

Groundwater Analytical Results

Laboratory reports of the samples from the groundwater monitoring wells reported concentrations of TPH as gasoline in wells MW-2 (1.9 µg/l) and MW-3 (0.075 µg/l), benzene in well MW-2 (6.69 µg/l), toluene in well MW-2 (2.44 µg/l), xylenes in well MW-2 (6.24 µg/l), and MTBE in well MW-2 (1.72 µg/l). The analytical results of the sample from well MW-1 reported no detectable concentrations of TPH as gasoline, BTEX or MTBE. No detectable concentrations of TPH as gasoline or BTEX have been reported from samples collected from well MW-1 since December 2004.



Laboratory reports of samples collected from the vapor recovery wells reported concentrations of TPH as gasoline ranging from 0.081 mg/l in VRW-6 to 0.69 mg/l in VRW-5. Concentrations of benzene were reported in wells VRW-1 (2.19 µg/l), VRW-2 (41.0 µg/l), VW-4 (60.8 µg/l), VRW-5 (35.4 µg/l), VRW-6 (7.37 µg/l), and VRW-8 (4.76 µg/l). Concentrations of toluene, ethylbenzene or xylenes were reported in wells VRW-1, VRW-2, VRW-4, VRW-5, VRW-6 and VRW-8. MTBE was reported in VRW-1 at a concentration of 1.26 µg/l.

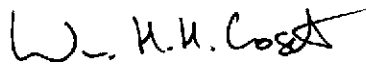
Monitoring Schedule

Groundwater sampling is currently scheduled for January 2008. A report summarizing the results of the monitoring event will be provided after BAI receives and reviews the analytical results. As recommended previously, BAI recommends discontinuing sampling well MW-1 because all samples analyzed since December 2004 have been reported as containing no detectable concentrations of TPH as gasoline or BTEX.

BAI is also respectfully requesting that ACHSCA respond to the previously submitted "Soil Parameters and Confirmation Soil Sampling Investigation Report", dated January 31, 2004. In the report BAI concludes that none of the soil samples collected exceeded the Oakland Tier 2 site-specific target levels (SSTLs) for clayey silts or sandy silts, and that the grab groundwater sample did not exceed the Oakland Guidance Tier 2 SSTLs. In addition, the groundwater analytical data for monitoring wells and vapor recovery wells that are sampled have not exceeded the Oakland Guidance Tier 2 SSTLs. It appears that there are residual concentrations of petroleum hydrocarbons, but that semi-annual sampling is no longer warranted.

If you should have any questions regarding this report, please contact Bill Coset at (707) 838-3027.

Sincerely,



William H. H. Coset
Project Geologist



David E. Conley, P.G.
Senior Geologist



cc: Ms. Normita Callison
Mr. Dan Pineschi



LIST OF ATTACHMENTS

TABLES

- Table 1. Summary of Groundwater Analytical Data for Monitoring Wells
Table 2. Summary of Groundwater Analytical Data for Vapor Extraction Wells

PLATES

- Plate 1. Vicinity Map
Plate 2. Site Map
Plate 3. Groundwater Elevations, June 28, 2007

APPENDICES

- Appendix A. Monitoring Well Sampling Protocol and Field Reports
Appendix B. Analytical Laboratory Report



TABLE 1. SUMMARY OF GROUNDWATER ANALYTICAL DATA FOR MONITORING WELLS
 Pacific Supply Company, 1735 24th Street, Oakland, California

Well Name	Depth to Groundwater Date	Depth to Groundwater (feet)	Groundwater Elevation (feet, MSL)	TPH as gasoline (mg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	Lead (mg/L)	MTBE (µg/L)
MW-1	10/14/1988	7.99	0.88	1.1	1.1	ND	-	ND	-	-
MW-1	12/29/1989	7.74	1.13	ND	ND	ND	ND	ND	ND (1)	-
MW-1	5/28/1992	7.81	1.06	ND	ND	ND	ND	ND	0.003(2)	-
MW-1	9/3/1992	7.90	0.97	ND	ND	ND	ND	ND	0.12 (2)	-
MW-1	11/24/1992	7.90	0.97	ND	ND	ND	ND	ND	0.017 (2)	-
MW-1	3/9/1993	7.38	1.49	ND	ND	ND	ND	ND	ND (1)	-
MW-1	7/21/1993	7.68	1.19	ND	ND	ND	ND	ND	ND (1)	-
MW-1	11/3/1993	7.83	1.04	ND	ND	ND	ND	ND	ND (1)	-
MW-1	2/1/1994	7.30	1.57	ND	ND	ND	ND	ND	ND (1)	-
MW-1	6/2/1994	7.43	1.44	ND	ND	ND	ND	ND	ND (1)	-
MW-1	9/1/1994	7.70	1.17	ND	ND	ND	ND	ND	ND (1)	-
MW-1	12/13/1994	6.90	1.97	ND	ND	ND	ND	ND	-	-
MW-1	3/7/1995	7.30	1.57	0.06	3.8	ND	ND	ND	-	-
MW-1	6/9/1995	7.87	1.00	0.09	12	0.8	0.5	1.3	-	-
MW-1	9/21/1995	7.67	1.20	ND	4.1	ND	ND	ND	-	-
MW-1	12/18/1995	7.15	1.72	ND	ND	ND	ND	ND	-	-
MW-1	2/29/1996	6.74	2.13	0.09	1.4	0.5	ND	0.8	-	-
MW-1	7/15/1996	7.76	1.11	-	-	-	-	-	-	-
MW-1	1/7/1997	6.80	2.07	0.06	0.6	<0.5	<0.5	<0.5	-	-
MW-1	7/12/1997	7.67	1.20	-	-	-	-	-	-	-
MW-1	1/26/1998	6.93	1.94	<0.05	<0.5	<0.5	<0.5	1.1	-	-
MW-1	7/3/1998	7.51	1.36	-	-	-	-	-	-	-
MW-1	1/13/1999	7.63	1.24	<0.05	<0.5	<0.5	<0.5	<0.5	-	-
MW-1	9/27/1999	7.77	1.10	-	-	-	-	-	-	-
MW-1	1/28/2000	6.85	2.02	<0.05	<0.5	<0.5	<0.5	<0.5	-	<5.0
MW-1	5/16/2002	7.45	1.42	0.35	<0.5	<0.5	<0.5	<0.5	-	<1.0
MW-1	6/10/2003	7.32	4.15	<0.05	<0.5	<0.5	<0.5	<0.5	-	-
MW-1	11/19/2003	7.30	4.17	<0.050	<0.30	<0.30	<0.50	<0.50	-	-
MW-1	6/23/2004	7.49	3.98	0.37	<1.0	<1.0	<1.0	<1.0	-	-
MW-1	12/10/2004	6.27	5.20	<0.050	<0.5	<0.5	<0.5	<0.5	-	-
MW-1	7/21/2005	7.41	4.06	<0.05	<0.50	<0.50	<0.50	<0.50	-	-



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MW-1	1/18/2006	6.28	5.19	<0.05	<0.50	<0.50	<0.50	<0.50	-	-
MW-1	1/26/2007	7.47	4.00	<0.050	<0.50	<0.50	<0.50	<0.50	-	<1.0
MW-1	6/28/2007	7.53	3.94	<0.050	<0.50	<0.50	<0.50	<0.50	-	<1.0
MW-2	10/14/1988	7.29	0.85	11	23	20	-	16	-	-
MW-2	12/29/1989	6.87	1.27	4	200	6.7	ND	ND	0.22 (1)	-
MW-2	5/28/1992	6.92	1.22	8.9	550	48	ND	13	ND (2)	-
MW-2	9/3/1992	7.26	0.88	2.1	760	6.2	1.8	5.1	0.006 (2)	-
MW-2	11/24/1992	7.28	0.86	4.2	370	15	3.4	9.5	ND (2)	-
MW-2	3/9/1993	6.73	1.41	4.3	280	14	3.7	7.1	ND (1)	-
MW-2	7/21/1993	7.02	1.12	3.4	250	9.6	2.5	11	ND(1)	-
MW-2	11/4/1993	7.22	0.92	2.5	230	7.8	2.1	9.9	ND(1)	-
MW-2	2/1/1994	6.93	1.21	3.4	240	17	ND	15	ND(1)	-
MW-2	6/2/1994	6.86	1.28	3.0	150	9.8	3.0	10	ND(1)	-
MW-2	9/1/1994	7.10	1.04	2.1	120	9.8	2.0	9.6	ND(1)	-
MW-2	12/13/1994	6.58	1.56	2.0	200	10	2.7	11	-	-
MW-2	3/7/1995	6.69	1.45	3.0	500	15	5.8	16	-	-
MW-2	6/9/1995	7.00	1.14	2.1	300	14	5.8	13	-	-
MW-2	9/21/1995	6.91	1.23	1.6	120	9.6	ND	15	-	-
MW-2	12/18/1995	6.73	1.41	2.8	120	16	5.2	19	-	-
MW-2	2/29/1996	6.36	1.78	1.7	170	15	2.9	17	-	-
MW-2	7/15/1996	7.11	1.03	2.8	160	22	3.5	17	-	-
MW-2	1/7/1997	6.40	1.74	3.0	350	25	8.1	24	-	-
MW-2	7/12/1997	6.98	1.16	2.1	55	11	<2.5	18	-	-
MW-2	1/26/1998	6.45	1.69	1.8	310	29	5.0	15	-	-
MW-2	7/3/1998	6.91	1.23	1.9	85	9.3	1.8	17	-	-
MW-2	1/13/1999	7.07	1.07	2.1	48	33	2.0	16	-	-
MW-2	9/27/1999	7.22	0.92	1.5	20	6.8	2.6	11	-	-
MW-2	1/28/2000	6.61	1.53	1.3	22	6.4	1.5	11	-	<5.0
MW-2	5/17/2002	6.95	1.19	3.3	25.4	<5.0	<5.0	<5.0	-	<10
MW-2	6/10/2003	6.71	4.09	1.6	52	2.3	32	9.1	-	-
MW-2	11/19/2003	6.95	3.85	3.7	9.7	<1.1	<1.1	7.5	-	-



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Well Name	Depth to Groundwater Date	Depth to Groundwater (feet)	Groundwater Elevation (feet, MSL)	TPH as gasoline (mg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	Lead (mg/L)	MTBE (µg/L)
MW-2	6/23/2004	6.96	3.84	1.1	6.30	2.36	<1.0	7.41	-	-
MW-2	12/9/2004	6.54	4.26	3.0	13.0	13.0	<0.5	24	-	-
MW-2	7/22/2005	6.89	3.91	2.7	5.84	<2.5	<2.5	5.81	-	-
MW-2	1/19/2006	6.33	4.47	3.6	15.0	<2.5	<2.5	11.2	-	-
MW-2	1/26/2007	6.99	3.81	0.29	2.65	<2.5	<2.5	3.00	-	<5.0
MW-2	6/29/2007	7.00	3.80	1.9	6.69	2.44	<0.50	6.24	-	1.72
MW-3	10/14/1988	8.25	0.88	3.4	ND	ND	-	2.8	-	-
MW-3	12/29/1989	7.79	1.34	ND	ND	ND	ND	ND	0.205 (1)	-
MW-3	5/28/1992	7.83	1.30	ND	0.8	0.5	ND	ND	0.016 (2)	-
MW-3	9/3/1992	8.22	0.91	ND	ND	ND	ND	ND	0.033 (2)	-
MW-3	11/24/1992	8.29	0.84	ND	ND	ND	ND	ND	0.011 (2)	-
MW-3	3/9/1993	7.30	1.83	0.1	1.8	ND	ND	ND	ND(1)	-
MW-3	7/21/1993	7.87	1.26	ND	ND	ND	ND	ND	ND(1)	-
MW-3	11/4/1993	8.23	0.90	0.07	0.6	0.5	ND	ND	ND(1)	-
MW-3	2/1/1994	7.56	1.57	ND	ND	ND	ND	ND	ND(1)	-
MW-3	6/2/1994	7.46	1.67	0.06	ND	ND	ND	ND	ND(1)	-
MW-3	9/1/1994	7.83	1.30	0.07	1.7	0.9	ND	ND	ND(1)	-
MW-3	12/13/1994	7.07	2.06	0.06	1.4	ND	ND	ND	-	-
MW-3	3/8/1995	7.27	1.86	0.06	1.5	ND	ND	ND	-	-
MW-3	6/9/1995	7.79	1.34	0.10	5.7	ND	ND	ND	-	-
MW-3	9/21/1995	7.87	1.26	ND	1.5	ND	ND	ND	-	-
MW-3	12/18/1995	7.30	1.83	ND	1.3	ND	ND	ND	-	-
MW-3	2/29/1996	6.84	2.29	ND	2.1	0.6	ND	0.7	-	-
MW-3	7/15/1996	7.79	1.34	-	-	-	-	-	-	-
MW-3	1/7/1997	6.62	2.51	0.05	1.0	<0.5	<0.5	<0.5	-	-
MW-3	7/12/1997	7.83	1.30	-	-	-	-	-	-	-
MW-3	1/26/1998	6.60	2.53	<0.05	0.8	<0.5	<0.5	<0.5	-	-
MW-3	7/3/1998	7.48	1.65	-	-	-	-	-	-	-
MW-3	1/13/1999	7.63	1.50	<0.05	<0.5	<0.5	<0.5	<0.5	-	-
MW-3	9/27/1999	7.94	1.19	-	-	-	-	-	-	-
MW-3	1/28/2000	7.12	2.01	<0.05	<0.5	<0.5	<0.5	<0.5	-	<5.0



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MW-3	6/5/2003	7.53	4.23	<0.05	<0.5	<0.5	<0.5	<0.5	--	--
MW-3	11/19/2003	7.83	3.93	0.16	<0.54	<0.54	<0.55	<1.6	--	--
MW-3	6/23/2004	7.65	4.11	<0.05	<1.0	<1.0	<1.0	<1.0	--	--
MW-3	12/8/2004	7.53	4.23	<0.050	<0.5	<0.5	<0.5	<0.5	--	--
MW-3	7/20/2005	7.62	4.14	<0.10	<1.0	<1.0	<1.0	<1.0	--	--
MW-3	1/19/2006	6.76	5.00	<0.05	<0.50	<0.50	<0.50	0.71	--	--
MW-3	1/25/2007	7.54	4.22	0.15	<0.50	<0.50	<0.50	<0.50	--	<1.0
MW-3	6/29/2007	7.70	4.06	0.075	<0.50	<0.50	<0.50	<0.50	--	(A)
MW-4	10/14/1988	8.33	0.74	4.6	1.2	ND	--	2.2	--	--
MW-4	12/29/1989	8.08	0.99	0.5	0.7	ND	ND	ND	ND (1)	--
MW-4	5/28/1992	8.19	0.88	0.27	8.8	1	ND	3.2	0.030 (2)	--
MW-4	9/3/1992	8.37	0.70	0.20	4.5	4.4	ND	1.9	0.022 (2)	--
MW-4	11/24/1992	8.28	0.79	0.14	3.2	3.2	ND	1.0	0.005 (2)	--
MW-4	3/9/1993	7.98	1.09	0.47	10	ND	ND	2.5	ND (1)	--
MW-4	7/21/1993	8.17	0.90	0.28	4.4	5.9	ND	ND	ND(1)	--
MW-4	11/4/1993	8.14	0.93	0.08	1.3	1.6	ND	ND	ND(1)	--
MW-4	2/1/1994	7.79	1.28	0.08	ND	ND	ND	ND	ND(1)	--
MW-4	6/2/1994	7.53	1.54	0.30	3.1	2.9	ND	0.8	ND(1)	--
MW-4	9/1/1994	7.69	1.38	0.12	1.6	ND	ND	ND	ND(1)	--
MW-4	12/13/1994	6.70	2.37	ND	ND	ND	ND	ND	--	--
MW-4	3/8/1995	6.83	2.24	0.09	ND	ND	ND	ND	--	--
MW-4	6/9/1995	7.66	1.41	0.19	ND	ND	ND	ND	--	--
MW-4	9/21/1995	7.93	1.14	0.09	ND	ND	ND	ND	--	--
MW-4	12/18/1995	6.98	2.09	--	--	--	--	--	--	--
MW-4	2/29/1996	6.54	2.53	0.14	1.6	1.0	ND	0.6	--	--
MW-4	7/15/1996	7.74	1.33	--	--	--	--	--	--	--
MW-4	1/7/1997	6.46	2.61	0.09	1.0	0.5	<0.5	<0.5	--	--
MW-4	7/12/1997	7.82	1.25	--	--	--	--	--	--	--
MW-4	1/26/1998	6.67	2.40	0.09	1.1	0.8	<0.5	<0.5	--	--
MW-4	7/3/1998	7.45	1.62	--	--	--	--	--	--	--



TABLE 1. SUMMARY OF GROUNDWATER ANALYTICAL DATA FOR MONITORING WELLS
Pacific Supply Company, 1735 24th Street, Oakland, California

Well Name	Depth to Groundwater Date	Depth to Groundwater (feet)	Groundwater Elevation (feet, MSL)	TPH as gasoline (mg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	Lead (mg/L)	MTBE (µg/L)
MW-4	1/13/1999	7.51	1.56	0.12	1.1	0.62	<0.5	0.57	-	-
MW-4	9/27/1999	7.88	1.19	-	-	-	-	-	-	-
MW-4*	1/28/2000	6.73	2.34	0.072	<0.5	<0.5	<0.5	<0.5	-	<5.0
MW-5	10/14/1988	8.04	0.89	3.2	ND	ND	-	ND	-	-
MW-5	12/29/1989	7.40	1.53	ND	ND	ND	ND	ND	ND (1)	-
MW-5	5/28/1992	7.53	1.40	ND	ND	ND	ND	ND	0.008 (2)	-
MW-5	9/3/1992	8.02	0.91	ND	ND	ND	ND	ND	0.034 (2)	-
MW-5	11/24/1992	7.75	1.18	ND	ND	ND	ND	ND	0.011 (2)	-
MW-5	3/9/1993	6.91	2.02	ND	ND	ND	ND	ND	ND (1)	-
MW-5	7/21/1993	7.57	1.36	ND	ND	ND	ND	ND	ND(1)	-
MW-5	11/4/1993	7.77	1.16	ND	ND	ND	ND	ND	ND(1)	-
MW-5	2/1/1994	7.05	1.88	ND	ND	ND	ND	ND	ND(1)	-
MW-5	6/2/1994	7.18	1.75	ND	ND	ND	ND	ND	ND(1)	-
MW-5	9/1/1994	7.53	1.40	ND	ND	ND	ND	ND	-	-
MW-5	3/8/1995	6.67	2.26	ND	ND	ND	ND	ND	-	-
MW-5	6/9/1995	7.33	1.60	ND	ND	ND	ND	ND	-	-
MW-5	9/21/1995	7.67	1.26	ND	ND	ND	ND	ND	-	-
MW-5	12/18/1995	6.62	2.31	-	-	-	-	-	-	-
MW-5	2/29/1996	6.16	2.77	ND	ND	ND	ND	ND	-	-
MW-5	7/15/1996	7.47	1.46	-	-	-	-	-	-	-
MW-5	1/7/1997	6.11	2.82	<0.05	<0.5	<0.5	<0.5	<0.5	-	-
MW-5	7/12/1997	7.61	1.32	-	-	-	-	-	-	-
MW-5	1/26/1998	6.17	2.76	<0.05	<0.5	<0.5	<0.5	<0.5	-	-
MW-5	7/3/1998	7.23	1.70	-	-	-	-	-	-	-
MW-5	1/13/1999	7.27	1.66	<0.05	<0.5	<0.5	<0.5	<0.5	-	-
MW-5	9/27/1999	7.76	1.17	-	-	-	-	-	-	-
MW-5*	1/28/2000	6.43	2.50	<0.05	<0.5	<0.5	<0.5	<0.5	-	<5.0



TABLE 1. SUMMARY OF GROUNDWATER ANALYTICAL DATA FOR MONITORING WELLS
Pacific Supply Company, 1735 24th Street, Oakland, California

Well Name	Depth to Groundwater Date	Depth to Groundwater (feet)	Groundwater Elevation (feet, MSL)	TPH as gasoline (mg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	Lead (mg/L)	MTBE (µg/L)
MW-6	12/29/1989	5.02	1.11	1.1	5.4	4.5	ND	ND	ND (1)	-
MW-6	3/9/1993	5.10	1.03	2.3	2.3	2.8	ND	3.1	ND (1)	-
MW-6	7/21/1993	5.23	0.90	0.59	ND	7.6	ND	ND	ND(1)	-
MW-6	11/4/1993	5.25	0.88	1.5	ND	1.2	ND	0.7	ND(1)	-
MW-6	2/1/1994	5.05	1.08	1.9	2.5	3.9	1.6	1.1	ND(1)	-
MW-6	6/2/1994	4.49	1.64	1.3	ND	1	ND	ND	ND(1)	-
MW-6	9/1/1994	4.53	1.60	2.2	ND	1.7	ND	ND	ND(1)	-
MW-6	12/13/1994	4.27	1.86	0.66 (3)	ND	ND	ND	ND	-	-
MW-6	3/8/1995	3.37	2.76	1.0 (3)	ND	ND	ND	ND	-	-
MW-6	6/9/1995	4.40	1.73	1.5	ND	3.3	ND	ND	-	-
MW-6	9/21/1995	4.69	1.44	0.28	ND	ND	ND	ND	-	-
MW-6*	12/18/1995	4.42	1.71	-	-	-	-	-	-	-
MW-7	12/29/1989	8.35	-3.32	ND	ND	ND	ND	ND	0.235 (1)	-
MW-7	3/9/1993	13.60	-8.57	ND	ND	ND	ND	ND	ND (1)	-
MW-7	7/21/1993	12.59	-7.56	ND	ND	ND	ND	ND	ND(1)	-
MW-7	11/4/1993	9.84	-4.81	ND	ND	ND	ND	ND	ND(1)	-
MW-7	2/1/1994	10.38	-5.35	ND	ND	ND	ND	ND	ND(1)	-
MW-7	6/2/1994	10.10	-5.07	ND	ND	ND	ND	ND	ND(1)	-
MW-7	9/1/1994	9.63	-4.60	ND	ND	ND	ND	ND	ND(1)	-
MW-7	12/13/1994	11.27	-6.24	ND	ND	ND	ND	ND	-	-
MW-7	3/7/1995	9.68	-4.65	ND	ND	ND	ND	ND	-	-
MW-7	6/9/1995	9.37	-4.34	ND	ND	ND	ND	ND	-	-
MW-7	9/21/1995	9.43	-4.40	ND	ND	ND	ND	ND	-	-
MW-7	12/18/1995	13.28	-8.25	-	-	-	-	-	-	-
MW-7	2/29/1996	11.70	-6.67	ND	ND	ND	ND	ND	-	-
MW-7	7/15/1996	11.12	-6.09	-	-	-	-	-	-	-
MW-7	1/7/1997	14.35	-9.32	<0.05	<0.5	<0.5	<0.5	<0.5	-	-
MW-7	7/12/1997	15.12	-10.09	-	-	-	-	-	-	-



TABLE 1. SUMMARY OF GROUNDWATER ANALYTICAL DATA FOR MONITORING WELLS
Pacific Supply Company, 1735 24th Street, Oakland, California

Well Name	Depth to Groundwater Date	Depth to Groundwater (feet)	Groundwater Elevation (feet, MSL)	TPH as gasoline (mg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	Lead (mg/L)	MTBE (µg/L)
MW-7	1/26/1998	15.28	-10.25	<0.05	<0.5	<0.5	<0.5	<0.5	-	-
MW-7	7/3/1998	14.10	-9.07	-	-	-	-	-	-	-
MW-7	1/13/1999	14.55	-9.52	<0.05	<0.5	<0.5	<0.5	<0.5	-	-
MW-7	9/27/1999	14.03	-9.00	-	-	-	-	-	-	-
MW-7*	1/28/2000	10.91	-5.88	<0.05	<0.5	<0.5	<0.5	<0.5	-	<5.0

MTBE = methyl tertiary butyl ether. TPH = total petroleum hydrocarbons.

(1)=Organic Lead, (2)=Total Lead, and (3)=chromatographic peak array does not match gasoline standard.

ND = not detected at laboratory reporting limit. <= less than given laboratory reporting limit.

µg/L = micrograms per liter. mg/L = milligrams per liter. -- = not requested.

MSL = mean seal level.

Groundwater elevations prior to 2003 based on the following well casing elevations in feet above MSL:

MW-1 (8.87'), MW-2 (8.14'), MW-3 (9.13'), MW-4 (9.07'), MW-5 (8.93'), MW-6 (6.13') and MW-7 (5.03').

New survey data was obtained on June 23, 2003 by Phelps and Associates Land Surveyors.

June 2003 water levels were measured on June 5, 2003.

June 2004 water levels were measured on June 22, 2004.

December 2004 water levels were measured on December 8, 2004.

* = Removed from sampling program.

(A) = concentrations of tert-Butyl alcohol (TBA) reported at 120 µg/l.



TABLE 2. SUMMARY OF GROUNDWATER ANALYTICAL DATA FOR VAPOR EXTRACTION WELLS
Pacific Supply Company, 1735 24th Street, Oakland, California

Sample ID	Depth to Groundwater Date	Depth to Groundwater (feet)	Top of Casing Elevation (feet, MSL)	Groundwater Elevation (feet, MSL)	TPH as gasoline (mg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	Other Oxygenates & Lead Scavengers (µg/L)
VRW-1	11/3/1993	-	-	-	3	1600	19	1.1	16	-	-
VRW-1	6/10/2003	7.31	11.18	3.87	0.44	5.9	<0.5	<0.5	1.9	-	-
VRW-1	11/19/2003	7.33	11.18	3.85	1.2	19	<0.54	<0.55	6.3	-	-
VRW-1	6/22/2004	7.32	11.18	3.86	0.32	3.23	<1.0	<1.0	3.36	-	-
VRW-1	12/9/2004	6.93	11.18	4.25	0.32	8.0	<3	<3	3.7	-	-
VRW-1	7/22/2005	7.25	11.18	3.93	0.69	5.35	1.27	<0.50	3.66	-	-
VRW-1	1/19/2006	6.63	11.18	4.55	0.53	6.98	1.41	<0.50	3.18	-	-
VRW-1	1/25/2007	7.34	11.18	3.84	0.32	260	0.97	<0.50	2.43	1.31	-
VRW-1	6/28/2007	7.30	11.18	3.88	0.17	2.19	0.76	<0.50	1.83	1.26	-
VRW-2	11/4/1993	-	-	-	7.2	3,300	600	2.4	870	-	-
VRW-2	5/17/2002	-	-	-	2.8	471	<10	<10	<10	<20	<10 to <20
VRW-2	6/9/2003	6.87	11.08	4.21	0.47	38	2.8	<1.0	<1.0	-	-
VRW-2	11/19/2003	7.00	11.08	4.08	1.3	51	<0.54	<0.55	4.0	-	-
VRW-2	6/25/2004	7.00	11.08	4.08	0.24	274	4.10	4.11	8.22	-	-
VRW-2	12/9/2004	6.45	11.08	4.63	<0.050	9.6	4.2	2.5	4.3	-	-
VRW-2	7/21/2005	6.93	11.08	4.15	2.1	102	1.43	0.84	3.81	-	-
VRW-2	1/18/2006	5.83	11.08	5.25	3.8	280	<2.5	3.81	7.54	-	-
VRW-2	1/25/2007	6.94	11.08	4.14	1.0	62.3	<2.5	<2.5	3.56	<5.0	-
VRW-2	6/28/2007	7.02	11.08	4.06	0.45	41.0	<2.5	<2.5	3.83	<5.0	-
VRW-3	11/4/1993	-	-	-	5.7	120	41	1.1	380	-	-
VRW-3	5/17/2002	-	-	-	0.42	10.9	<0.5	<0.5	1.07	<1.0	<0.50 to <1.0
VRW-3	6/9/2003	7.41	11.62	4.21	0.061	4.8	<0.5	<0.5	<0.5	-	-
VRW-3	11/19/2003	7.48	11.62	4.14	0.16	1.7	<0.54	<0.55	2.7	-	-
VRW-3	6/25/2004	7.58	11.62	4.04	0.12	2.00	<0.50	<0.50	1.00	-	-
VRW-3	12/10/2004	6.34	11.62	5.28	0.22	27	3.7	1.0	3.1	-	-
VRW-3	7/22/2005	7.50	11.62	4.12	0.11	<1.0	<1.0	<1.0	2.02	-	-
VRW-3	1/18/2006	6.37	11.62	5.25	0.18	230	<0.50	<0.50	1.46	-	-
VRW-3	1/26/2007	7.50	11.62	4.12	0.071	1.68	<0.50	<0.50	<0.50	<1.0	-
VRW-3	6/28/2007	7.60	11.62	4.02	<0.050	<0.50	<0.50	<0.50	<0.50	<1.0	-
VRW-4	11/4/1993	-	-	-	9.0	4,400	900	5.4	990	-	-
VRW-4	5/15/2002	-	-	-	11	4,270	741	512	1,130	<50	<25 to <50
VRW-4	6/5/2003	7.01	11.33	4.32	2.2	1,200	100	12	89	-	-
VRW-4	11/19/2003	7.44	11.33	3.89	1.7	210	2.4	<2.2	36	-	-



TABLE 2. SUMMARY OF GROUNDWATER ANALYTICAL DATA FOR VAPOR EXTRACTION WELLS
Pacific Supply Company, 1735 24th Street, Oakland, California

Sample ID	Depth to Groundwater Date	Depth to Groundwater (feet)	Top of Casing Elevation (feet, MSL)	Groundwater Elevation (feet, MSL)	TPH as gasoline (mg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	Other Oxygenates & Lead Scavengers (µg/L)
VRW-4	6/22/2004	7.20	11.33	4.13	14	4,540	611	739	1,170	-	-
VRW-4	12/8/2004	6.99	11.33	4.34	2.7	780	68	90	160	-	-
VRW-4	7/20/2005	7.12	11.33	4.21	19	3,740	381	480	643	-	-
VRW-4	1/19/2006	6.29	11.33	5.04	7.8	1,670	196	270	324	-	-
VRW-4	1/26/2007	7.06	11.33	4.27	1.4	163	<25	<25	25.2	<50	-
VRW-4	6/28/2007	6.99	11.33	4.34	0.62	60.8	3.81	3.72	18.7	<5.0	-
VRW-5	11/4/1993	-	-	-	0.90	68	33	2.5	32	-	-
VRW-5	5/16/2002	-	-	-	0.87	44.3	<5.0	<5.0	<5.0	<10	<5.0 to <10
VRW-5	6/9/2003	7.33	11.56	4.23	0.93	90	<1.0	14	0.16	-	-
VRW-5	11/19/2003	7.53	11.56	4.03	2.9	250	<1.1	24	41	-	-
VRW-5	6/23/2004	7.47	11.56	4.09	0.72	40.5	<1.0	1.17	8.04	-	-
VRW-5	12/10/2004	7.11	11.56	4.45	0.72	60	10	<3	33	-	-
VRW-5	7/21/2005	7.38	11.56	4.18	1.6	102	3.83	4.62	12.4	-	-
VRW-5	1/19/2006	6.29	11.56	5.27	1.8	65.4	<2.5	31.4	33.4	-	-
VRW-5	1/25/2007	7.40	11.56	4.16	NA	NA	NA	NA	NA	NA	NA
VRW-5	6/29/2007	7.50	11.56	4.06	0.69	35.4	2.55	<2.5	5.62	<5.0	NA
VRW-6	11/4/1993	-	-	-	0.41	6.6	1.0	ND	31	-	-
VRW-6	5/15/2002	-	-	-	0.73	178	4.58	1.41	6.10	<1.0	<0.50 to <1.0
VRW-6	6/6/2003	7.21	11.43	4.22	<0.05	<0.5	<0.5	<0.5	<0.5	-	-
VRW-6	11/19/2003	7.39	11.43	4.04	0.21	13	<0.54	1.0	2.5	-	-
VRW-6	6/23/2004	7.36	11.43	4.07	0.42	43.4	3.60	1.69	13.0	-	-
VRW-6	12/9/2004	6.71	11.43	4.72	0.14	8.0	21	<0.5	3.6	-	-
VRW-6	7/21/2005	7.32	11.43	4.11	0.33	18.3	1.13	0.95	5.05	-	-
VRW-6	1/19/2006	5.85	11.43	5.58	0.13	3.96	<0.50	<0.50	1.25	-	-
VRW-6	1/25/2007	7.28	11.43	4.15	0.20	13.5	0.72	0.56	2.67	<1.0	-
VRW-6	6/28/2007	7.41	11.43	4.02	0.081	7.37	<0.50	<0.50	1.32	<1.0	(A)
VRW-7	11/4/1993	-	-	-	0.10	ND	ND	ND	ND	-	-
VRW-7	5/16/2002	-	-	-	1.6	28.9	0.980	<0.50	<0.50	<1.0	<0.50 to <1.0
VRW-7	6/6/2003	7.47	11.70	4.23	0.36	19	1.3	<0.5	2.2	-	-
VRW-7	11/19/2003	7.78	11.70	3.92	1.1	14	<0.54	1.7	5.6	-	-
VRW-7	6/22/2004	7.61	11.70	4.09	1.3	130	8.06	9.81	15.9	-	-
VRW-7	12/9/2004	7.54	11.70	4.16	0.34	28	<3	<3	5.0	-	-



TABLE 2. SUMMARY OF GROUNDWATER ANALYTICAL DATA FOR VAPOR EXTRACTION WELLS
Pacific Supply Company, 1735 24th Street, Oakland, California

Sample ID	Depth to Groundwater Date	Depth to Groundwater (feet)	Top of Casing Elevation (feet, MSL)	Groundwater Elevation (feet, MSL)	TPH as gasoline (mg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	Other Oxygenates & Lead Scavengers (µg/L)
VRW-7	7/21/2005	7.54	11.70	4.16	1.7	48.1	2.76	2.56	6.94	-	-
VRW-7	1/19/2006	6.70	11.70	5.00	1.6	86.8	3.63	6.89	9.04	-	-
VRW-7	1/25/2007	7.46	11.70	4.24	NA	NA	NA	NA	NA	NA	NA
VRW-7	6/28/2007	7.62	11.70	4.08	NA	NA	NA	NA	NA	NA	NA
VRW-8	11/4/1993	-	-	-	5.9	460	54	ND	53	-	-
VRW-8	5/16/2002	-	-	-	3.3	248	16.0	<10	<10	<20	<10 to <20
VRW-8	6/6/2003	7.42	11.62	4.20	1.8	70	10	11	6.1	-	-
VRW-8	11/19/2003	7.85	11.62	3.77	3.6	36	<2.7	<2.7	4.3	-	-
VRW-8	6/23/2004	7.56	11.62	4.06	2.1	115	11.8	<5.0	18.2	-	-
VRW-8	12/9/2004	7.41	11.62	4.21	1.3	30	9.0	<3	7.6	-	-
VRW-8	7/21/2005	7.49	11.62	4.13	4.1	24.8	3.44	<2.5	7.34	-	-
VRW-8	1/19/2006	6.73	11.62	4.89	4.8	18.1	4.26	<2.5	8.30	-	-
VRW-8	1/25/2007	7.41	11.62	4.21	1.3	10.7	<2.5	<2.5	6.70	<5.0	-
VRW-8	6/29/2007	7.60	11.62	4.02	0.64	4.76	<2.5	<2.5	3.85	<5.0	-
VRW-9	11/4/1993	-	-	-	0.47	36	18	ND	1.0	-	-
VRW-9	5/16/2002	-	-	-	0.080	0.990	2.00	<0.50	5.93	<1.0	<0.50 to <1.0
VRW-9	6/6/2003	7.67	11.87	4.20	0.58	10	4.4	4.9	<0.50	-	-
VRW-9	11/19/2003	8.01	11.87	3.86	0.86	<1.1	<1.1	<1.1	5.5	-	-
VRW-9	6/22/2004	7.76	11.87	4.11	0.61	<1.0	1.35	<1.0	5.55	-	-
VRW-9	12/9/2004	7.51	11.87	4.36	0.57	8.8	10	<0.5	5.5	-	-
VRW-9	7/21/2005	7.71	11.87	4.16	0.66	<1.0	<1.0	<1.0	2.83	-	-
VRW-9	1/19/2006	6.94	11.87	4.93	1.0	2.04	<1.0	<1.0	4.91	-	-
VRW-9	1/26/2007	7.65	11.87	4.22	0.52	<1.0	1.01	<1.0	3.53	<2.0	-
VRW-9	6/29/2007	7.81	11.87	4.06	0.38	<0.50	<0.50	<0.50	2.27	<1.0	-

mg/L = milligrams per liter

µg/L = micrograms per liter

na = not analyzed.

ND = not detected above laboratory reporting limits.

MSL = Mean Sea Level

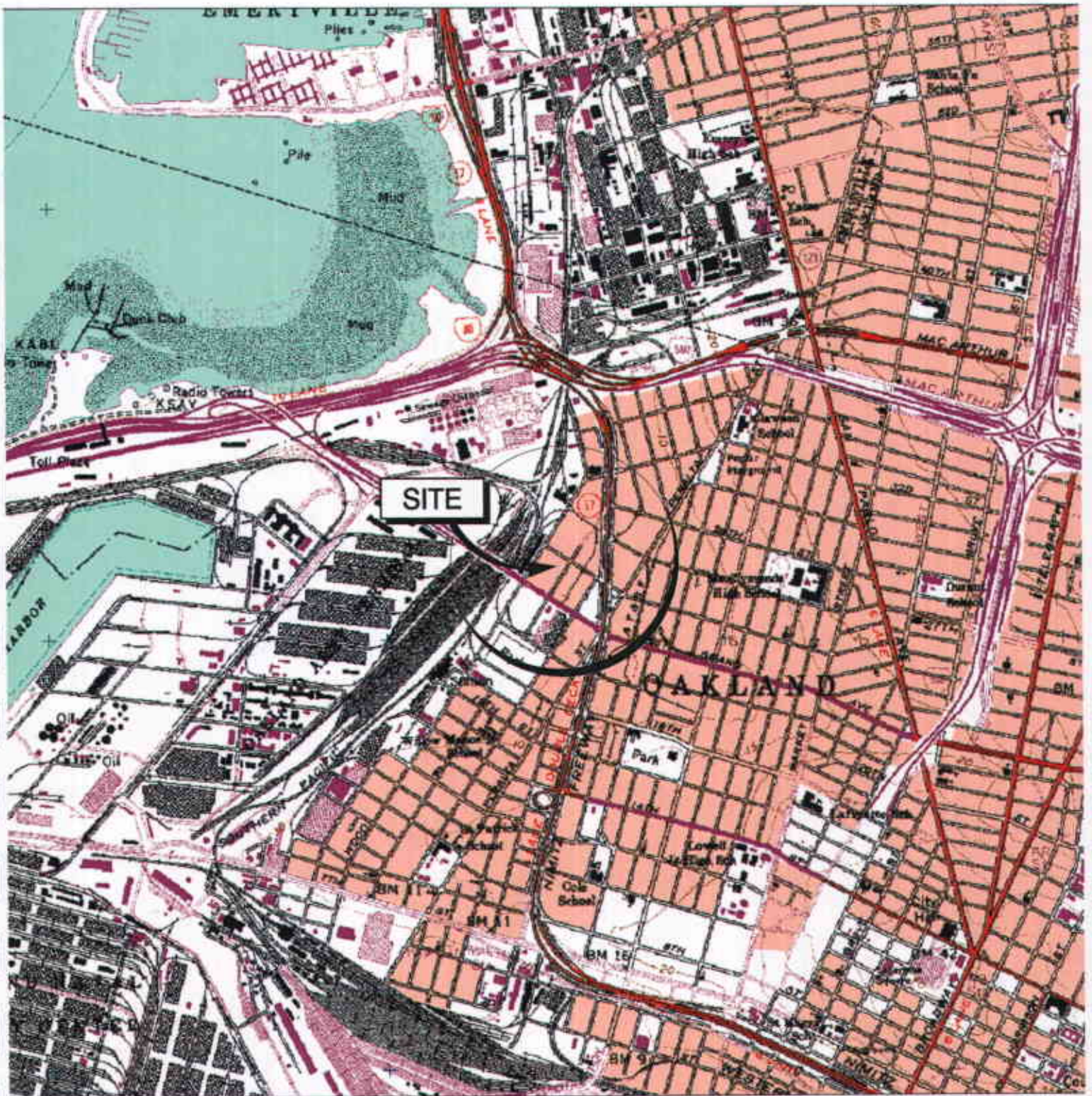
< = less than the specified laboratory reporting limit

June 2004 groundwater elevations were collected on June 22, 2004.

December 2004 groundwater elevations were collected on December 8, 2004.

(A) = concentrations of tert-Butyl alcohol reported at 51.2 µg/l.





© 1999 DeLorme Yarnmouth, ME 04096 Source Data: USGS 700 ft Scale: 1:24,000 Detail: 11-0 Datum: NAD27



APPROXIMATE SCALE (FEET)



Brunsing Associates, Inc.
5803 Skylane Blvd., Suite A
Windsor, California 95492
Tel (707) 838-3027

Job No.: 029.2

Appr.:

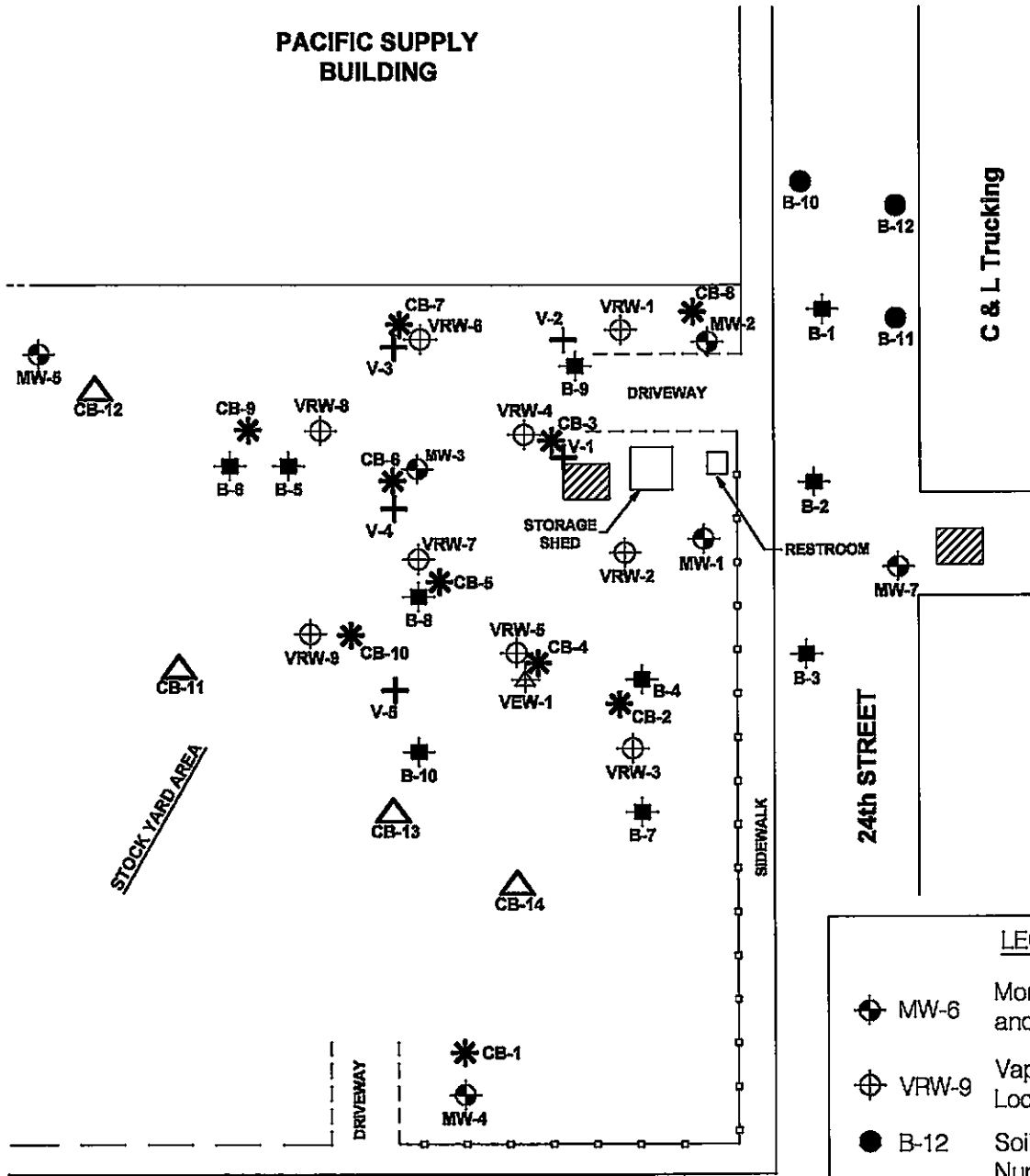
Date: 1/8/04

VICINITY MAP
PACIFIC SUPPLY COMPANY
Oakland, California

PLATE

1

PACIFIC SUPPLY BUILDING



LEGEND

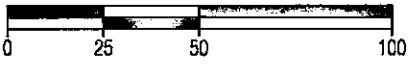
- MW-6 Monitoring Well Location and Number
- VRW-9 Vapor Recovery Well Location and Number
- B-12 Soil Boring Location and Number (August 2000)
- B-10 Soil Boring Location and Number (March 1993)
- VEW-1 Vapor Extraction Well Location and Number
- V-5 Soil Gas Sampling Location and Number
- CB-10 Soil Confirmation Boring Location and Number (July 2004)
- CB-14 Soil Parameters Sample Location and Number (July 2004)
- Former UST Locations

WILLOW STREET

Yellow Cab



APPROXIMATE SCALE (FEET)



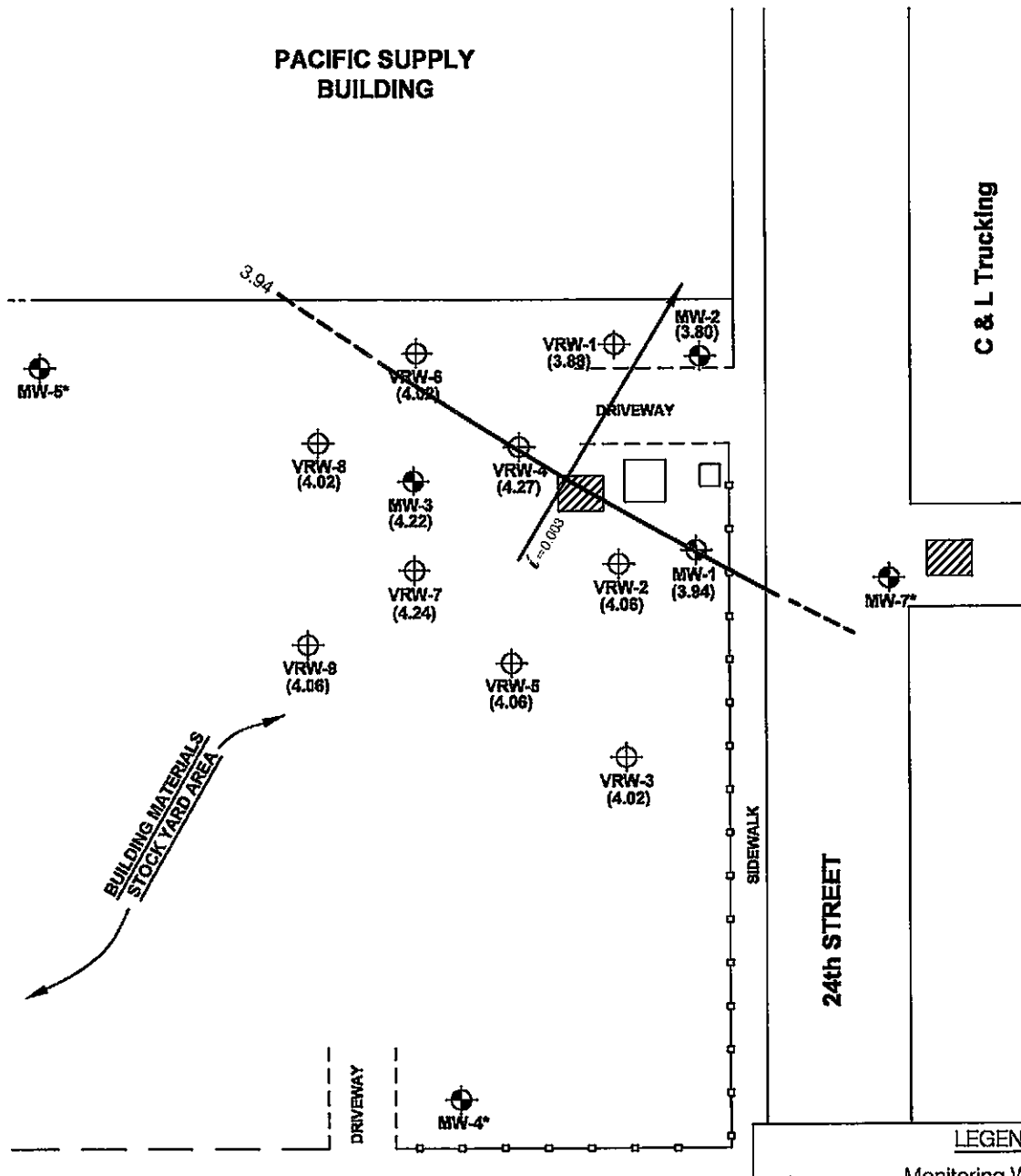
Brunsing Associates, Inc.
 5803 Skylane Blvd., Suite A
 Windsor, California 96492
 Tel: (707) 838-3027

Job No.: 29
 Appr.:
 Date: 12/7/04

SITE MAP
PACIFIC SUPPLY COMPANY
 1734 24th Street
 Oakland, California

PLATE
2

PACIFIC SUPPLY BUILDING



C & L Trucking

24th STREET

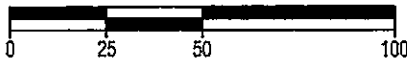
BUILDING MATERIALS STOCK YARD AREA

WILLOW STREET







Yellow Cab



APPROXIMATE SCALE (FEET)



LEGEND

-  MW-6 (4.23) Monitoring Well Location and Number with Groundwater Elevation in feet above Mean Sea Level (MSL)
-  VRW-9 (4.22) Vapor Recovery Well Location and Number with Groundwater Elevation in feet above MSL
-  4.2 Groundwater Contour Line in feet above MSL
-  $\nabla=0.003$ Groundwater Flow Direction and gradient in feet/feet (ft/ft)
-  Former UST Locations
-  * Not measured - well removed from semi-annual sampling program

Note: Flow direction and gradient was calculated using wells MW-1, MW-2, and VRW-8.



Brunsing Associates, Inc.
5803 Skylane Blvd., Suite A
Windsor, California 95492
Tel: (707) 838-3027

Job No.: 29
Appr.:
Date: 12/10/07

GROUNDWATER ELEVATIONS
JUNE 28, 2007
PACIFIC SUPPLY COMPANY
1734 24th Street
Oakland, California

PLATE
3

APPENDIX A

Monitoring Well Sampling Protocol and Field Reports



Groundwater Sampling Protocol

Monitoring Wells

Prior to purging a monitoring well, groundwater levels are measured with a Solinst electric depth measurement device, or an interface probe, in all wells that are to be measured. At sites where petroleum hydrocarbons are possible contaminants, the well is checked for floating product using a clear bailer, a steel tape with water/oil paste, or an interface probe, during the initial sampling round. If floating product is measured during the initial sampling round or noted during subsequent sampling rounds, floating product measurements are continued.

After the water level and floating product measurements are complete, the monitoring well is purged until a minimum of three casing volumes of water are removed, water is relatively clear of sediment, and pH, conductivity, and temperature measurements of the water become relatively stable. If the well is purged dry, groundwater samples are collected after the water level in the well recovers to at least 80 percent of the original water column measured in the well prior to sampling, or following a maximum recovery period of two hours. The well is purged using a factory-sealed, disposable, polyethylene bailer, a four-inch diameter submersible Grundfos pump, a two-inch diameter ES-40 purge pump, or a peristaltic pump. The purge water is stored on-site in clean, 55-gallon drums.

A groundwater sample is collected from each monitoring well following re-equilibration of the well after purging. The groundwater sample is collected using a factory-sealed disposable, polyethylene bailer with a sampling port, or a factory-sealed Teflon bailer. A factory provided attachment designed for use with volatile organic compounds (VOCs) is attached to the polyethylene bailer sampling port when collecting samples to be analyzed for VOCs. The groundwater sample is transferred from the bailer into sample container(s) that are obtained directly from the analytical laboratory.

The sample container(s) is labeled with a self-adhesive tag. The following information is included on the tag:

- Project number
- Sample number
- Date and time sample is collected
- Initials of sample collector(s).

Individual log sheets are maintained throughout the sampling operations. The following information is recorded:



- Sample number
- Date and time well sampled and purged
- Sampling location
- Types of sampling equipment used
- Name of sampler(s)
- Volume of water purged.

Following collection of the groundwater sample, the sample is immediately stored on blue ice in an appropriate container. A chain-of-custody form is completed with the following information:

- Date the sample was collected
- Sample number and the number of containers
- Analyses required
- Remarks including preservatives added and any special conditions.

The original copy of the chain-of-custody form accompanies the sample containers to a California-certified laboratory. A copy is retained by BAI and placed in company files.

Sampling equipment including thermometers, pH electrodes, and conductivity probes are cleaned both before and after their use at the site. The following cleaning procedures are used:

- Scrub with a potable water and detergent solution or other solutions deemed appropriate using a hard bristle brush
- Rinse with potable water
- Double-rinse with organic-free or deionized water
- Package and seal equipment in plastic bags or other appropriate containers to prevent contact with solvents, dust, or other contaminants.

In addition, the pumps are cleaned by pumping a potable water and detergent solution and deionized water through the system. Cleaning solutions are contained on-site in clean 55-gallon drums.

Domestic and Irrigation Wells

Groundwater samples collected from domestic or irrigation wells are collected from the spigot that is the closest to the well. Prior to collecting the sample, the spigot is allowed to flow for at least 5 minutes to purge the well. The sample is then collected directly into laboratory-supplied containers, sealed, labeled, and stored on blue ice in an appropriate container, as described above. A chain-of-custody form is completed and submitted with the samples to the analytical laboratory.



WELL SAMPLING

SHEET **3** OF

PROJECT: Pacific Supply		PROJECT NUMBER: 29	
WELL # MW-1	PRECIP. IN LAST 5 DAYS:	WIND	DATE: 6/28/07
STARTING TIME: 1215	FINISHING TIME: 1235	INITIALS: FXD	

CALCULATION OF PURGE VOLUME

2" WELL	DEPTH: <input type="text" value="19.00"/>	- D.T.W. <input type="text" value="7.53"/>	= H2O COLUMN: <input type="text" value="11.47"/>	X 0.5 = <input type="text" value="5.73"/>
4" WELL	DEPTH: <input type="text" value="f"/>	- D.T.W. <input type="text" value="/"/>	= H2O COLUMN: <input type="text" value="/"/>	X 2.0 = <input type="text" value="/"/>

THEREFORE TOTAL PURGE GALLONS EQUALS

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FIELD MEASUREMENTS

TIME	GALLONS REMOVED	pH	CONDUCTIVITY	TEMP.	OBSERVATIONS
1219	2	8.42	1433 μ S	19.9 °C	DARK, GREY BROWN, ODOR, SHEEN, SEDIMENT
1221	4	7.81	2345 μ S	19.0 °C	TURBID BROWN, ODOR, SHEEN, SEDIMENT
1224	5.75	7.19	2270 μ S	18.7 °C	TURBID BROWN, ODOR, SHEEN,

SAMPLING: SAMPLE ANALYSIS:

SAMPLE TIME: DID WELL GO DRY?

WATER LEVELS:		NOTES:
TIME	D.T.W.	
1232	8.12	

WELL SAMPLING

SHEET 4 OF

PROJECT: Pacific Supply

PROJECT NUMBER: 29

WELL # VRW-1 PRECIP. IN LAST 5 DAYS:

WIND

DATE: 6/28/07

STARTING TIME: 1400 FINISHING TIME: 1435

INITIALS: EXD

CALCULATION OF PURGE VOLUME

2" WELL DEPTH: - D.T.W. = H2O COLUMN: X 0.5 =

4" WELL DEPTH: - D.T.W. = H2O COLUMN: X 2.0 =

THEREFORE TOTAL PURGE GALLONS EQUALS

GALLONS

FIELD MEASUREMENTS

TIME	GALLONS REMOVED	pH	CONDUCTIVITY	TEMP.	OBSERVATIONS
1405	8.0	8.60	* 3999 μ S	20.7°C	TOO BROWN, TURBID, ODOR
1414	16.0	7.78	* 3999 μ S	19.9°C	TURBID, BROWN, SEDIMENT, ODOR
1422	25.0	7.59	* 3999 μ S	19.7°C	GREEN BROWN, ORGANIC, ODOR, slight haze

SAMPLING: SAMPLE ANALYSIS:

SAMPLE TIME: DID WELL GO DRY?

WATER LEVELS:		NOTES:
TIME	D.T.W.	
1430	13.65	* OUT OF RANGE > 3999

WELL SAMPLING

SHEET 5 OF

PROJECT: Pacific Supply

PROJECT NUMBER: 29

WELL # VRW-2 PRECIP. IN LAST 5 DAYS:

WIND

DATE: 6/28/07

STARTING TIME: 1140

FINISHING TIME: 1155

INITIALS: EXD

CALCULATION OF PURGE VOLUME

2" WELL DEPTH: - D.T.W. = H2O COLUMN: X 0.5 =

4" WELL DEPTH: - D.T.W. = H2O COLUMN: X 2.0 =

THEREFORE TOTAL PURGE GALLONS EQUALS

GALLONS

FIELD MEASUREMENTS

TIME	GALLONS REMOVED	pH	CONDUCTIVITY	TEMP.	OBSERVATIONS
1148	8.5	7.77	2728 μ S	23.7 °C	DARK GREY, ODOR, SEDIMENT
1158	17.0	7.88	3758 μ S	21.3 °C	DARK, BROWN/GREY, ODOR, SILT
1204	26.0	8.03	*3999 μ S	20.6 °C	DARK BROWN/GREY, ODOR, SILT

SAMPLING: SAMPLE ANALYSIS:

SAMPLE TIME: DID WELL GO DRY?

WATER LEVELS:		NOTES:
TIME	D.T.W.	
1112	746	* OUT OF RANGE

WELL SAMPLING

SHEET 6 OF

PROJECT: Pacific Supply

PROJECT NUMBER: 29

WELL # VRW-3 PRECIP. IN LAST 5 DAYS:

WIND

DATE: 6/28/07

STARTING TIME: 1055 FINISHING TIME: 1121

INITIALS: EXD

CALCULATION OF PURGE VOLUME

GALLONS

2" WELL DEPTH: - D.T.W. = H2O COLUMN: X 0.5 =

4" WELL DEPTH: - D.T.W. = H2O COLUMN: X 2.0 =

THEREFORE TOTAL PURGE GALLONS EQUALS

FIELD MEASUREMENTS

TIME	GALLONS REMOVED	pH	CONDUCTIVITY	TEMP.	OBSERVATIONS
1100	8.0	7.99	2000 μ S	21.0 °C	DARK, SEDIMENT, ODOR, SILT
1105	16.0	7.83	2988 μ S	19.8 °C	DARK, SEDIMENT, SILT, ODOR
1108	25	7.71	3644 μ S	19.4 °C	DARK, SEDIMENT, SILT, ODOR

SAMPLING:

SAMPLE ANALYSIS:

SAMPLE TIME:

DID WELL GO DRY?

WATER LEVELS:

NOTES:

TIME	D.T.W.
1118	15.80

WELL SAMPLING

SHEET 7 OF

PROJECT: Pacific Supply

PROJECT NUMBER: 29

WELL # VRW-4 PRECIP. IN LAST 5 DAYS:

WIND

DATE: 6/28/07

STARTING TIME: 1245 FINISHING TIME: 1310

INITIALS: EXD

CALCULATION OF PURGE VOLUME

2" WELL DEPTH: - D.T.W. = H2O COLUMN: X 0.5 =

4" WELL DEPTH: - D.T.W. = H2O COLUMN: X 2.0 =

THEREFORE TOTAL PURGE GALLONS EQUALS

GALLONS

FIELD MEASUREMENTS

TIME	GALLONS REMOVED	pH	CONDUCTIVITY	TEMP.	OBSERVATIONS
1249	5	8.00	3310 μ S	22.0 C	DARK, BROWN, SILT, ODOR
1254	16	7.72	*3999 μ S	21.0 C	DARK BROWN, SILT, ODOR
1259	26	7.65	*3999 μ S	20.6 C	DARK BROWN, SILT, ODOR

SAMPLING:

SAMPLE ANALYSIS:

SAMPLE TIME:

DID WELL GO DRY?

WATER LEVELS:

NOTES:

TIME	D.T.W.	NOTES
1305	15.30	* OUT OF RANGE

WELL SAMPLING

SHEET 4 OF

PROJECT: Pacific Supply

PROJECT NUMBER: 29

WELL # VRW-6 PRECIP. IN LAST 5 DAYS:

WIND

DATE: 6/28/07

STARTING TIME: 1313 FINISHING TIME: 1340

INITIALS: FXD

CALCULATION OF PURGE VOLUME

2" WELL DEPTH: - D.T.W. = H2O COLUMN: X 0.5 =

4" WELL DEPTH: - D.T.W. = H2O COLUMN: X 2.0 =

THEREFORE TOTAL PURGE GALLONS EQUALS

GALLONS

FIELD MEASUREMENTS

TIME	GALLONS REMOVED	pH	CONDUCTIVITY	TEMP.	OBSERVATIONS
1316	8.5	8.32	*3999	20.3 °C	ODOR, TURBID BROWN, SILT
1322	17	7.70	*3999	20.4 °C	TURBID GREY BROWN, SILT, ODOR
1329	26	7.77	*3999	20.1 °C	TURBID GREY BROWN, SILT, ODOR

SAMPLING:

SAMPLE ANALYSIS:

SAMPLE TIME:

DID WELL GO DRY?

WATER LEVELS:		NOTES:
TIME	D.T.W.	
1335	17.30	*3999 out of RANGE

WELL SAMPLING

SHEET 10 OF 15

PROJECT: Pacific Supply	PROJECT NUMBER: 29
WELL # MW-2 PRECIP. IN LAST 5 DAYS: WIND	DATE: 6/29/07
STARTING TIME: 0735 FINISHING TIME: 0800	INITIALS: EXD

CALCULATION OF PURGE VOLUME

2" WELL	DEPTH: <input type="text" value="/"/>	- D.T.W. <input type="text" value="/"/>	= H2O COLUMN: <input type="text" value="/"/>	X 0.5 =	<input type="text" value="/"/>
4" WELL	DEPTH: <input type="text" value="20.00"/>	- D.T.W. <input type="text" value="7.00"/>	= H2O COLUMN: <input type="text" value="13"/>	X 2.0 =	<input type="text" value="26"/>

THEREFORE TOTAL PURGE GALLONS EQUALS

GALLONS

FIELD MEASUREMENTS

TIME	GALLONS REMOVED	pH	CONDUCTIVITY	TEMP.	OBSERVATIONS
0738	8.5	8.62	2177 μ S	19.1 °C	TURBID BROWN/GREEN, ODOR, FOAM
0745	17	7.86	1871 μ S	19.9 °C	BROWN GREEN, ODOR, FOAM
0753	26	7.70	1400 μ S	19.7 °C	BROWN/GREEN, ODOR, FOAM

SAMPLING:	SAMPLE ANALYSIS: TPH-Gas, 8260B (BTEX, petro oxy & Pb scav)	
	SAMPLE TIME: 0755	DID WELL GO DRY? NO

WATER LEVELS:		NOTES:
TIME	D.T.W.	
0835	7.05	

WELL SAMPLING

SHEET 11 OF 15

PROJECT: Pacific Supply	PROJECT NUMBER: 29
WELL # MW-3 PRECIP. IN LAST 5 DAYS: WIND	DATE: 6/29/07
STARTING TIME: 0850 FINISHING TIME: 0903	INITIALS: EXD

CALCULATION OF PURGE VOLUME

2" WELL	DEPTH: <input type="text" value="16.00"/>	- D.T.W. <input type="text" value="7.70"/>	= H2O COLUMN: <input type="text" value="8.3"/>	X 0.5 = <input type="text" value="4.15"/>	G A L L O N S
4" WELL	DEPTH: <input type="text" value="/"/>	- D.T.W. <input type="text" value="/"/>	= H2O COLUMN: <input type="text" value="/"/>	X 2.0 = <input type="text" value="/"/>	
THEREFORE TOTAL PURGE GALLONS EQUALS <input type="text" value="4.0"/>					

FIELD MEASUREMENTS

TIME	GALLONS REMOVED	pH	CONDUCTIVITY	TEMP.	OBSERVATIONS
0852	1.5	7.88	*3999 μ S	21.2 °C	BROWN, ODOR, SEDIMENT
0854	3.0	8.03	*3999 μ S	21.2 °C	BROWN, ODOR, SEDIMENT
0858	4.0	8.02	*3999 μ S	21.3 °C	BROWN, ODOR, SEDIMENT, FOAM

SAMPLING:	SAMPLE ANALYSIS: <input type="text" value="TPH-Gas, 8260B (BTEX, petro oxy & Pb scav)"/>	
	SAMPLE TIME: <input type="text" value="0900"/>	DID WELL GO DRY? <input type="text" value="NO"/>

WATER LEVELS:		NOTES:
TIME	D.T.W.	
0958	7.90	* 3999 OUT OF RANGE

WELL SAMPLING

SHEET 12 OF 15

PROJECT: Pacific Supply	PROJECT NUMBER: 29
WELL # VRW-5 PRECIP. IN LAST 5 DAYS: WIND	DATE: 6/29/07
STARTING TIME: 0810 FINISHING TIME: 0835	INITIALS: FXD

CALCULATION OF PURGE VOLUME

2" WELL	DEPTH: <input type="text" value="1"/>	- D.T.W. <input type="text" value="1"/>	= H2O COLUMN: <input type="text" value="1"/>	X 0.5 = <input type="text" value="1"/>	G A L L O N S
4" WELL	DEPTH: <input type="text" value="20.00"/>	- D.T.W. <input type="text" value="7.50"/>	= H2O COLUMN: <input type="text" value="12.5"/>	X 2.0 = <input type="text" value="25"/>	

THEREFORE TOTAL PURGE GALLONS EQUALS

FIELD MEASUREMENTS

TIME	GALLONS REMOVED	pH	CONDUCTIVITY	TEMP.	OBSERVATIONS
0813	8	7.72	2831 μ S	17.5 °C	TURBID, GREEN BROWN, ODOR, SEDIMENT
0820	16	7.48	2883 μ S	17.5 °C	TURBID, GREEN BROWN, ODOR, SEDIMENT
0825	25	7.62	2906 μ S	17.5 °C	TURBID BROWN GREEN, ODOR, SEDIMENT

SAMPLING: SAMPLE ANALYSIS:

SAMPLE TIME: DID WELL GO DRY?

WATER LEVELS:		NOTES:
TIME	D.T.W.	
0902	7.56	

WELL SAMPLING

SHEET 13 OF

PROJECT: Pacific Supply

PROJECT NUMBER: 29

WELL # VRW-8 PRECIP. IN LAST 5 DAYS:

WIND

DATE: 6/29/07

STARTING TIME: 0926 FINISHING TIME: 0955

INITIALS: EXD

CALCULATION OF PURGE VOLUME

2" WELL DEPTH: - D.T.W. = H2O COLUMN: X 0.5 =

4" WELL DEPTH: - D.T.W. = H2O COLUMN: X 2.0 =

THEREFORE TOTAL PURGE GALLONS EQUALS

GALLONS

FIELD MEASUREMENTS

TIME	GALLONS REMOVED	pH	CONDUCTIVITY	TEMP.	OBSERVATIONS
0932	8	8.28	3275 μ S	22.5 °C	BROWN, ODOR, NO SILT, FOAM
0940	16	8.00	3123 μ S	22.4 °C	BROWN, ODOR, FOAM
0948	25	7.58	3212 μ S	22.3 °C	BROWN, ODOR, FOAM

SAMPLING:

SAMPLE ANALYSIS:

SAMPLE TIME: DID WELL GO DRY?

WATER LEVELS:

NOTES:

TIME	D.T.W.	NOTES
1005	7.65	

WELL SAMPLING

SHEET 14 OF 15

PROJECT: Pacific Supply

PROJECT NUMBER: 29

WELL # VRW-9 PRECIP. IN LAST 5 DAYS:

WIND

DATE: 6/29/07

STARTING TIME: 1125 FINISHING TIME: 1200

INITIALS: EXD

CALCULATION OF PURGE VOLUME

2" WELL DEPTH: - D.T.W. = H2O COLUMN: X 0.5 =

4" WELL DEPTH: - D.T.W. = H2O COLUMN: X 2.0 =

THEREFORE TOTAL PURGE GALLONS EQUALS

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FIELD MEASUREMENTS

TIME	GALLONS REMOVED	pH	CONDUCTIVITY	TEMP.	OBSERVATIONS
1130	2	7.85	* 3999	25.9	TURBID BROWN / GREEN, ODOR
1133	5	7.77	* 3999	23.7	TURBID BROWN / GREEN, ODOR
1137	8	8.10	* 3999	22.8	TURBID, BROWN / GREEN, ODOR

SAMPLING:

SAMPLE ANALYSIS:

SAMPLE TIME: DID WELL GO DRY?

WATER LEVELS:

NOTES:

TIME	D.T.W.	NOTES
1151	7.85	• low purge method ≈ 8 gallons * >3999 out of RANGE

Chain of Custody

Project # 29		Project Address "Pacific Supply" 1734 24 th St OAKLAND, CA		Number of Containers	Analysis												C.O.C. No. 12008				
BG No.		Sampler's Signature <i>Derschamps</i>															Remarks:				
Date Sampled	Sample I.D.	Time (24 Hour)	Sample Type		TPH-Gas	EPA-8260B (DETOX, PISKEY, BTEX)															
6/28/07	MW-1	1225	H2O	4	X	X															
6/29/07	MW-2	0755	↓	↓	X	X															
6/29/07	MW-3	0900	↓	↓	X	X															
6/28/07	VRW-1	1424	↓	↓	X	X															
6/28/07	VRW-2	1205	↓	↓	X	X															
6/28/07	VRW-3	1110	↓	↓	X	X															
6/28/07	VRW-4	1300	↓	↓	X	X															
6/29/07	VRW-5	0827	↓	↓	X	X															
6/28/07	VRW-6	1330	↓	↓	X	X															
6/29/07	VRW-8	0950	↓	↓	X	X															
6/29/07	VRW-9	1140	↓	↓	X	X															
Laboratory: BAPS				Preservation: A - <u>HCl</u> ; B - HNO3; C - Ice (Specify)												TAT: R <u>2-WK</u> Urgent; Immediate (Specify)					
Relinquished by: (signed) <i>Derschamps</i>		Date/Time 6/29/07		Received by: (signed)		Results To: (Office Use Only) <i>Bill Coset</i>						Brunsing Associates, Inc. P.O. Box 588 5468 Skylane Blvd., Suite 201 Santa Rosa, CA 95403 (707) 838-3027 Phone (707) 838-4420 Fax									
Relinquished by: (signed)		Date/Time		Received by: (signed)		Global ID: (Office Use Only)															
Relinquished by: (signed)		Date/Time		Received for Laboratory by: (signed)																	

APPENDIX B
Analytical Laboratory Report



70-207

Laboratory Report Project Overview

EDF 1.2a

Laboratory:	Bace Analytical, Windsor, CA
Lab Report Number:	4991
Project Name:	1735 24TH ST.
Work Order Number:	029
Control Sheet Number:	NA

Report Summary

Labreport	Sampid	Labsampid	Mtrx	QC	Anmcode	Exmcode	Logdate	Extdate	Anadate	Lablotctl	Run Sub
4991	MW-1	4991-1	W	CS	8260FAB	SW5030B	06/28/200 7	07/08/200 7	07/08/200 7	20070708A	20
4991	MW-1	4991-1	W	CS	CATPH-G	SW5030B	06/28/200 7	07/09/200 7	07/09/200 7	07082007A	14
4991	MW-2	4991-2	W	CS	8260FAB	SW5030B	06/29/200 7	07/08/200 7	07/08/200 7	20070708A	21
4991	MW-2	4991-2	W	CS	CATPH-G	SW5030B	06/29/200 7	07/09/200 7	07/09/200 7	07082007A	15
4991	MW-3	4991-3	W	CS	8260FAB	SW5030B	06/29/200 7	07/08/200 7	07/08/200 7	20070708A	22
4991	MW-3	4991-3	W	CS	CATPH-G	SW5030B	06/29/200 7	07/09/200 7	07/09/200 7	07082007A	16
4991	VRW-1	4991-4	W	CS	8260FAB	SW5030B	06/28/200 7	07/08/200 7	07/08/200 7	20070708A	23
4991	VRW-1	4991-4	W	CS	CATPH-G	SW5030B	06/28/200 7	07/09/200 7	07/09/200 7	07082007A	17
4991	VRW-2	4991-5	W	CS	8260FAB	SW5030B	06/28/200 7	07/08/200 7	07/08/200 7	20070708A	24
4991	VRW-2	4991-5	W	CS	CATPH-G	SW5030B	06/28/200 7	07/08/200 7	07/08/200 7	07082007A	18
4991	VRW-3	4991-6	W	CS	8260FAB	SW5030B	06/28/200 7	07/08/200 7	07/08/200 7	20070708A	25
4991	VRW-3	4991-6	W	CS	CATPH-G	SW5030B	06/28/200 7	07/09/200 7	07/09/200 7	07082007A	19
4991	VRW-4	4991-7	W	CS	8260FAB	SW5030B	06/28/200 7	07/08/200 7	07/08/200 7	20070708A	26
4991	VRW-4	4991-7	W	CS	CATPH-G	SW5030B	06/28/200 7	07/08/200 7	07/08/200 7	07082007A	20
4991	VRW-5	4991-8	W	CS	8260FAB	SW5030B	06/29/200 7	07/08/200 7	07/08/200 7	20070708A	27
4991	VRW-5	4991-8	W	CS	CATPH-G	SW5030B	06/29/200 7	07/08/200 7	07/08/200 7	07082007A	21
4991	VRW-6	4991-9	W	CS	8260FAB	SW5030B	06/28/200 7	07/08/200 7	07/08/200 7	20070708A	28
4991	VRW-6	4991-9	W	CS	CATPH-G	SW5030B	06/28/200 7	07/09/200 7	07/09/200 7	07082007A	22
4991	VRW-8	4991-10	W	CS	8260FAB	SW5030B	06/29/200 7	07/08/200 7	07/08/200 7	20070708A	29
4991	VRW-8	4991-10	W	CS	CATPH-G	SW5030B	06/29/200 7	07/08/200 7	07/08/200 7	07082007A	23

07/12/200

Report Summary

Labreport	Sampid	Labsampid	Mtrx	QC	Anmcode	Exmcode	Logdate	Extdate	Anadate	Lablotctl	Run	Sub
							7	7	7			
4991	VRW-9	4991-11	W	CS	8260FAB	SW5030B	06/29/200	07/08/200	07/08/200	20070708A	30	
							7	7	7			
4991	VRW-9	4991-11	W	CS	CATPH-G	SW5030B	06/29/200	07/09/200	07/09/200	07082007A	24	
							7	7	7			
		4987-1	W	NC	CATPH-G	SW5030B	//	07/08/200	07/08/200	07082007A	4	
								7	7			
		4992-1	W	NC	8260FAB	SW5030B	//	07/08/200	07/08/200	20070708A	14	
								7	7			
		4991MB	W	LB1	8260FAB	SW5030B	//	07/08/200	07/08/200	20070708A	2	
								7	7			
		4991MB	W	LB1	CATPH-G	SW5030B	//	07/08/200	07/08/200	07082007A	1	
								7	7			
		4991MS	W	MS1	8260FAB	SW5030B	//	07/08/200	07/08/200	20070708A	15	
								7	7			
		4991MS	W	MS1	CATPH-G	SW5030B	//	07/08/200	07/08/200	07082007A	5	
								7	7			
		4991SD	W	SD1	8260FAB	SW5030B	//	07/08/200	07/08/200	20070708A	16	
								7	7			
		4991SD	W	SD1	CATPH-G	SW5030B	//	07/08/200	07/08/200	07082007A	6	
								7	7			

Project Name: 1735 24TH ST.	Analysis: VOCs by GC/MS Fuel Additives Plus BTEX
Project No: 029	Method: 8260FAB
	Prep Meth: SW5030B
Field ID: MW-1	Lab Samp ID: 4991-1
Descr/Location: MW-1	Rec'd Date: 06/29/2007
Sample Date: 06/28/2007	Prep Date: 07/08/2007
Sample Time: 1225	Analysis Date: 07/08/2007
Matrix: Water	QC Batch: 20070708A
Basis: Not Filtered	Notes:

Analyte	Det Limit	Rep Limit	Note	Result	Units	Pvc Dil
Methyl-tert-butyl ether (MTBE)	0.38	1.0 PQL		ND	UG/L	1
Ethyl tert-butyl ether (ETBE)	0.30	1.0 PQL		ND	UG/L	1
tert-Amyl methyl ether (TAME)	0.26	1.0 PQL		ND	UG/L	1
Di-isopropyl ether (DIPE)	0.37	1.0 PQL		ND	UG/L	1
tert-Butyl alcohol (TBA)	2.4	10. PQL		ND	UG/L	1
1,2-Dichloroethane	0.30	0.50 PQL		ND	UG/L	1
1,2-Dibromoethane	0.30	0.50 PQL		ND	UG/L	1
Benzene	0.27	0.50 PQL		ND	UG/L	1
Toluene	0.25	0.50 PQL		ND	UG/L	1
Ethylbenzene	0.25	0.50 PQL		ND	UG/L	1
Xylenes	0.25	0.50 PQL		ND	UG/L	1
SURROGATE AND INTERNAL STANDARD RECOVERIES:						
4-Bromofluorobenzene		86-118 SLSA		99%		1
Toluene-d8		88-110 SLSA		101%		1
Dibromofluoromethane		86-115 SLSA		98%		1

Approved by: William H. Gatz Date: 7/12/07

Project Name: 1735 24TH ST. Project No: 029	Analysis: VOCs by GC/MS Fuel Additives Plus BTEX Method: 8260FAB Prep Meth: SW5030B
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Field ID: MW-2 Descr/Location: MW-2 Sample Date: 06/29/2007 Sample Time: 0755 Matrix: Water Basis: Not Filtered	Lab Samp ID: 4991-2 Rec'd Date: 06/29/2007 Prep Date: 07/08/2007 Analysis Date: 07/08/2007 QC Batch: 20070708A Notes:
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Analyte	Det Limit	Rep Limit	Note	Result	Units	Pvc Dil
Methyl-tert-butyl ether (MTBE)	0.38	1.0	PQL	1.72	UG/L	1
Ethyl tert-butyl ether (ETBE)	0.30	1.0	PQL	ND	UG/L	1
tert-Amyl methyl ether (TAME)	0.26	1.0	PQL	ND	UG/L	1
Di-isopropyl ether (DIPE)	0.37	1.0	PQL	ND	UG/L	1
tert-Butyl alcohol (TBA)	2.4	10.	PQL	ND	UG/L	1
1,2-Dichloroethane	0.30	0.50	PQL	ND	UG/L	1
1,2-Dibromoethane	0.30	0.50	PQL	ND	UG/L	1
Benzene	0.27	0.50	PQL	6.69	UG/L	1
Toluene	0.25	0.50	PQL	2.44	UG/L	1
Ethylbenzene	0.25	0.50	PQL	ND	UG/L	1
Xylenes	0.25	0.50	PQL	6.24	UG/L	1

SURROGATE AND INTERNAL STANDARD RECOVERIES:						
4-Bromofluorobenzene		86-118	SLSA	101%		1
Toluene-d8		88-110	SLSA	100%		1
Dibromofluoromethane		86-115	SLSA	97%		1

Approved by: William H. Gotsch

Date: 7/12/07

Project Name: 1735 24TH ST.	Analysis: VOCs by GC/MS Fuel Additives Plus BTEX					
Project No: 029	Method: 8260FAB					
	Prep Meth: SW5030B					
Field ID: MW-3	Lab Samp ID: 4991-3					
Descr/Location: MW-3	Rec'd Date: 06/29/2007					
Sample Date: 06/29/2007	Prep Date: 07/08/2007					
Sample Time: 0900	Analysis Date: 07/08/2007					
Matrix: Water	QC Batch: 20070708A					
Basis: Not Filtered	Notes:					
Analyte	Det Limit	Rep Limit	Note	Result	Units	Pvc Dil
Methyl-tert-butyl ether (MTBE)	0.38	1.0	PQL	DX	ND	UG/L 1
Ethyl tert-butyl ether (ETBE)	0.30	1.0	PQL		ND	UG/L 1
tert-Amyl methyl ether (TAME)	0.26	1.0	PQL		ND	UG/L 1
Di-isopropyl ether (DIPE)	0.37	1.0	PQL		ND	UG/L 1
tert-Butyl alcohol (TBA)	2.4	10.	PQL		120	UG/L 1
1,2-Dichloroethane	0.30	0.50	PQL		ND	UG/L 1
1,2-Dibromoethane	0.30	0.50	PQL		ND	UG/L 1
Benzene	0.27	0.50	PQL		ND	UG/L 1
Toluene	0.25	0.50	PQL		ND	UG/L 1
Ethylbenzene	0.25	0.50	PQL		ND	UG/L 1
Xylenes	0.25	0.50	PQL		ND	UG/L 1
SURROGATE AND INTERNAL STANDARD RECOVERIES:						
4-Bromofluorobenzene		86-118	SLSA		101%	1
Toluene-d8		88-110	SLSA		100%	1
Dibromofluoromethane		86-115	SLSA		97%	1
DX: Value < lowest standard (MQL), but > than MDL						

Approved by: William H. Gotsch

Date: 7/12/07

Project Name: 1735 24TH ST.		Analysis: VOCs by GC/MS Fuel Additives Plus BTEX	
Project No: 029		Method: 8260FAB	
		Prep Meth: SW5030B	
Field ID: VRW-1	Lab Samp ID: 4991-4		
Descr/Location: VRW-1	Rec'd Date: 06/29/2007		
Sample Date: 06/28/2007	Prep Date: 07/08/2007		
Sample Time: 1424	Analysis Date: 07/08/2007		
Matrix: Water	QC Batch: 20070708A		
Basis: Not Filtered	Notes:		

Analyte	Det Limit	Rep Limit	Note	Result	Units	Pvc Dil
Methyl-tert-butyl ether (MTBE)	0.38	1.0 PQL		1.26	UG/L	1
Ethyl tert-butyl ether (ETBE)	0.30	1.0 PQL		ND	UG/L	1
tert-Amyl methyl ether (TAME)	0.26	1.0 PQL		ND	UG/L	1
Di-isopropyl ether (DIPE)	0.37	1.0 PQL		ND	UG/L	1
tert-Butyl alcohol (TBA)	2.4	10. PQL		ND	UG/L	1
1,2-Dichloroethane	0.30	0.50 PQL		ND	UG/L	1
1,2-Dibromoethane	0.30	0.50 PQL		ND	UG/L	1
Benzene	0.27	0.50 PQL		2.19	UG/L	1
Toluene	0.25	0.50 PQL		0.76	UG/L	1
Ethylbenzene	0.25	0.50 PQL		ND	UG/L	1
Xylenes	0.25	0.50 PQL		1.83	UG/L	1

SURROGATE AND INTERNAL STANDARD RECOVERIES:						
4-Bromofluorobenzene	86-118	SLSA		102%		1
Toluene-d8	88-110	SLSA		101%		1
Dibromofluoromethane	86-115	SLSA		99%		1

Approved by: William H. Ratz

Date: 7/12/07

Project Name: 1735 24TH ST. Analysis: VOCs by GC/MS Fuel Additives Plus BTEX
 Project No: 029 Method: 8260FAB
 Prep Meth: SW5030B

Field ID: VRW-2 Lab Samp ID: 4991-5
 Descr/Location: VRW-2 Rec'd Date: 06/29/2007
 Sample Date: 06/28/2007 Prep Date: 07/08/2007
 Sample Time: 1205 Analysis Date: 07/08/2007
 Matrix: Water QC Batch: 20070708A
 Basis: Not Filtered Notes:

Analyte	Det Limit	Rep Limit	PQL	Note	Result	Units	Pvc Dil
Methyl-tert-butyl ether (MTBE)	1.9	5.0	PQL	DX	ND	UG/L	5
Ethyl tert-butyl ether (ETBE)	1.5	5.0	PQL		ND	UG/L	5
tert-Amyl methyl ether (TAME)	1.3	5.0	PQL		ND	UG/L	5
Di-isopropyl ether (DIPE)	1.9	5.0	PQL		ND	UG/L	5
tert-Butyl alcohol (TBA)	12.	50.	PQL		ND	UG/L	5
1,2-Dichloroethane	1.5	2.5	PQL		ND	UG/L	5
1,2-Dibromoethane	1.5	2.5	PQL		ND	UG/L	5
Benzene	1.4	2.5	PQL		41.0	UG/L	5
Toluene	1.3	2.5	PQL		ND	UG/L	5
Ethylbenzene	1.3	2.5	PQL		ND	UG/L	5
Xylenes	1.3	2.5	PQL		3.83	UG/L	5

SURROGATE AND INTERNAL STANDARD RECOVERIES:

4-Bromofluorobenzene	86-118	SLSA	104%	1
Toluene-d8	88-110	SLSA	101%	1
Dibromofluoromethane	86-115	SLSA	98%	1

DX: Value < lowest standard (MQL), but > than MDL

Approved by: William H. Gotsch

Date: 7/12/07

Project Name: 1735 24TH ST.		Analysis: VOCs by GC/MS Fuel Additives Plus BTEX				
Project No: 029		Method: 8260FAB				
		Prep Meth: SW5030B				
Field ID: VRW-3	Lab Samp ID: 4991-6					
Descr/Location: VRW-3	Rec'd Date: 06/29/2007					
Sample Date: 06/28/2007	Prep Date: 07/08/2007					
Sample Time: 1110	Analysis Date: 07/08/2007					
Matrix: Water	QC Batch: 20070708A					
Basis: Not Filtered	Notes:					
Analyte	Det Limit	Rep Limit	Note	Result	Units	Pvc Dil
Methyl-tert-butyl ether (MTBE)	0.38	1.0	PQL	ND	UG/L	1
Ethyl tert-butyl ether (ETBE)	0.30	1.0	PQL	ND	UG/L	1
tert-Amyl methyl ether (TAME)	0.26	1.0	PQL	ND	UG/L	1
Di-isopropyl ether (DIPE)	0.37	1.0	PQL	ND	UG/L	1
tert-Butyl alcohol (TBA)	2.4	10.	PQL	ND	UG/L	1
1,2-Dichloroethane	0.30	0.50	PQL	ND	UG/L	1
1,2-Dibromoethane	0.30	0.50	PQL	ND	UG/L	1
Benzene	0.27	0.50	PQL	ND	UG/L	1
Toluene	0.25	0.50	PQL	ND	UG/L	1
Ethylbenzene	0.25	0.50	PQL	ND	UG/L	1
Xylenes	0.25	0.50	PQL	ND	UG/L	1
SURROGATE AND INTERNAL STANDARD RECOVERIES:						
4-Bromofluorobenzene		86-118	SLSA	102%		1
Toluene-d8		88-110	SLSA	100%		1
Dibromofluoromethane		86-115	SLSA	97%		1

Approved by: Wallace H. Poty

Date: 7/12/07

Project Name: 1735 24TH ST.		Analysis: VOCs by GC/MS Fuel Additives Plus BTEX				
Project No: 029		Method: 8260FAB				
		Prep Meth: SW5030B				
Field ID: VRW-4		Lab Samp ID: 4991-7				
Descr/Location: VRW-4		Rec'd Date: 06/29/2007				
Sample Date: 06/28/2007		Prep Date: 07/08/2007				
Sample Time: 1300		Analysis Date: 07/08/2007				
Matrix: Water		QC Batch: 20070708A				
Basis: Not Filtered		Notes:				
Analyte	Det Limit	Rep Limit	Note	Result	Units	Pvc Dil
Methyl-tert-butyl ether (MTBE)	1.9	5.0	PQL	ND	UG/L	5
Ethyl tert-butyl ether (ETBE)	1.5	5.0	PQL	ND	UG/L	5
tert-Amyl methyl ether (TAME)	1.3	5.0	PQL	ND	UG/L	5
Di-isopropyl ether (DIPE)	1.9	5.0	PQL	ND	UG/L	5
tert-Butyl alcohol (TBA)	12.	50.	PQL	ND	UG/L	5
1,2-Dichloroethane	1.5	2.5	PQL	ND	UG/L	5
1,2-Dibromoethane	1.5	2.5	PQL	ND	UG/L	5
Benzene	1.4	2.5	PQL	60.8	UG/L	5
Toluene	1.3	2.5	PQL	3.81	UG/L	5
Ethylbenzene	1.3	2.5	PQL	3.72	UG/L	5
Xylenes	1.3	2.5	PQL	18.7	UG/L	5
SURROGATE AND INTERNAL STANDARD RECOVERIES:						
4-Bromofluorobenzene		86-118	SLSA	102%		1
Toluene-d8		88-110	SLSA	105%		1
Dibromofluoromethane		86-115	SLSA	102%		1

Approved by: William H. Gotsch

Date: 7/12/07

Project Name: 1735 24TH ST.	Analysis: VOCs by GC/MS Fuel Additives Plus BTEX
Project No: 029	Method: 8260FAB
	Prep Meth: SW5030B

Field ID: VRW-5	Lab Samp ID: 4991-8
Descr/Location: VRW-5	Rec'd Date: 06/29/2007
Sample Date: 06/29/2007	Prep Date: 07/08/2007
Sample Time: 0827	Analysis Date: 07/08/2007
Matrix: Water	QC Batch: 20070708A
Basis: Not Filtered	Notes:

Analyte	Det Limit	Rep Limit	Note	Result	Units	Pvc Dil
Methyl-tert-butyl ether (MTBE)	1.9	5.0	PQL	ND	UG/L	5
Ethyl tert-butyl ether (ETBE)	1.5	5.0	PQL	ND	UG/L	5
tert-Amyl methyl ether (TAME)	1.3	5.0	PQL	ND	UG/L	5
Di-isopropyl ether (DIPE)	1.9	5.0	PQL	ND	UG/L	5
tert-Butyl alcohol (TBA)	12.	50.	PQL	ND	UG/L	5
1,2-Dichloroethane	1.5	2.5	PQL	ND	UG/L	5
1,2-Dibromoethane	1.5	2.5	PQL	ND	UG/L	5
Benzene	1.4	2.5	PQL	35.4	UG/L	5
Toluene	1.3	2.5	PQL	255	UG/L	5
Ethylbenzene	1.3	2.5	PQL	ND	UG/L	5
Xylenes	1.3	2.5	PQL	5.62	UG/L	5

SURROGATE AND INTERNAL STANDARD RECOVERIES:						
4-Bromofluorobenzene	86-118	SLSA		103%		1
Toluene-d8	88-110	SLSA		102%		1
Dibromofluoromethane	86-115	SLSA		96%		1

Approved by: Wallace H. Potts Date: 7/12/07

Project Name: 1735 24TH ST. Analysis: VOCs by GC/MS Fuel Additives Plus BTEX
 Project No: 029 Method: 8260FAB
 Prep Meth: SW5030B

Field ID: VRW-6 Lab Samp ID: 4991-9
 Descr/Location: VRW-6 Rec'd Date: 06/29/2007
 Sample Date: 06/28/2007 Prep Date: 07/08/2007
 Sample Time: 1330 Analysis Date: 07/08/2007
 Matrix: Water QC Batch: 20070708A
 Basis: Not Filtered Notes:

Analyte	Det Limit	Rep Limit	Note	Result	Units	Pvc Dil
Methyl-tert-butyl ether (MTBE)	0.38	1.0 PQL		ND	UG/L	1
Ethyl tert-butyl ether (ETBE)	0.30	1.0 PQL		ND	UG/L	1
tert-Amyl methyl ether (TAME)	0.26	1.0 PQL		ND	UG/L	1
Di-isopropyl ether (DIPE)	0.37	1.0 PQL		ND	UG/L	1
tert-Butyl alcohol (TBA)	2.4	10. PQL		51.2	UG/L	1
1,2-Dichloroethane	0.30	0.50 PQL		ND	UG/L	1
1,2-Dibromoethane	0.30	0.50 PQL		ND	UG/L	1
Benzene	0.27	0.50 PQL		7.37	UG/L	1
Toluene	0.25	0.50 PQL		ND	UG/L	1
Ethylbenzene	0.25	0.50 PQL		ND	UG/L	1
Xylenes	0.25	0.50 PQL		1.32	UG/L	1
SURROGATE AND INTERNAL STANDARD RECOVERIES:						
4-Bromofluorobenzene		86-118 SLSA		102%		1
Toluene-d8		88-110 SLSA		100%		1
Dibromofluoromethane		86-115 SLSA		98%		1

Approved by: William A. Potts

Date: 7/12/07

Project Name: 1735 24TH ST.	Analysis: VOCs by GC/MS Fuel Additives Plus BTEX
Project No: 029	Method: 8260FAB Prep Meth: SW5030B
Field ID: VRW-8	Lab Samp ID: 4991-10
Descr/Location: VRW-8	Rec'd Date: 06/29/2007
Sample Date: 06/29/2007	Prep Date: 07/08/2007
Sample Time: 0950	Analysis Date: 07/08/2007
Matrix: Water	QC Batch: 20070708A
Basis: Not Filtered	Notes:

Analyte	Det Limit	Rep Limit	PQL	Note	Result	Units	Pvc Dil
Methyl-tert-butyl ether (MTBE)	1.9	5.0	PQL		ND	UG/L	5
Ethyl tert-butyl ether (ETBE)	1.5	5.0	PQL		ND	UG/L	5
tert-Amyl methyl ether (TAME)	1.3	5.0	PQL		ND	UG/L	5
Di-isopropyl ether (DIPE)	1.9	5.0	PQL		ND	UG/L	5
tert-Butyl alcohol (TBA)	12.	50.	PQL		ND	UG/L	5
1,2-Dichloroethane	1.5	2.5	PQL		ND	UG/L	5
1,2-Dibromoethane	1.5	2.5	PQL		ND	UG/L	5
Benzene	1.4	2.5	PQL		4.76	UG/L	5
Toluene	1.3	2.5	PQL		ND	UG/L	5
Ethylbenzene	1.3	2.5	PQL		ND	UG/L	5
Xylenes	1.3	2.5	PQL		3.85	UG/L	5

SURROGATE AND INTERNAL STANDARD RECOVERIES:							
4-Bromofluorobenzene		86-118	SLSA		103%		1
Toluene-d8		88-110	SLSA		102%		1
Dibromofluoromethane		86-115	SLSA		96%		1

Approved by: William H. Pate Date: 7/12/07


Lab Report No.: 4991 Date: 07/12/2007

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Project Name: 1735 24TH ST.	Analysis: VOCs by GC/MS Fuel Additives Plus BTEX
Project No: 029	Method: 8260FAB
	Prep Meth: SW5030B
Field ID: VRW-9	Lab Samp ID: 4991-11
Descr/Location: VRW-9	Rec'd Date: 06/29/2007
Sample Date: 06/29/2007	Prep Date: 07/08/2007
Sample Time: 1140	Analysis Date: 07/08/2007
Matrix: Water	QC Batch: 20070708A
Basis: Not Filtered	Notes:

Analyte	Det Limit	Rep Limit	Note	Result	Units	Pvc Dil
Methyl-tert-butyl ether (MTBE)	0.38	1.0	PQL	ND	UG/L	1
Ethyl tert-butyl ether (ETBE)	0.30	1.0	PQL	ND	UG/L	1
tert-Amyl methyl ether (TAME)	0.26	1.0	PQL	ND	UG/L	1
Di-isopropyl ether (DIPE)	0.37	1.0	PQL	ND	UG/L	1
tert-Butyl alcohol (TBA)	2.4	10.	PQL	ND	UG/L	1
1,2-Dichloroethane	0.30	0.50	PQL	ND	UG/L	1
1,2-Dibromoethane	0.30	0.50	PQL	ND	UG/L	1
Benzene	0.27	0.50	PQL	ND	UG/L	1
Toluene	0.25	0.50	PQL	ND	UG/L	1
Ethylbenzene	0.25	0.50	PQL	ND	UG/L	1
Xylenes	0.25	0.50	PQL	2.27	UG/L	1
SURROGATE AND INTERNAL STANDARD RECOVERIES:						
4-Bromofluorobenzene		86-118	SLSA	102%		1
Toluene-d8		88-110	SLSA	100%		1
Dibromofluoromethane		86-115	SLSA	97%		1

Approved by:



Date:

7/12/07

Project Name: 1735 24TH ST.	Analysis: CA LUFT Method for Gasoline Range Organics					
Project No: 029	Method: CATPH-G					
	Prep Meth: SW5030B					
Field ID: MW-1	Lab Samp ID: 4991-1					
Descr/Location: MW-1	Rec'd Date: 06/29/2007					
Sample Date: 06/28/2007	Prep Date: 07/09/2007					
Sample Time: 1225	Analysis Date: 07/09/2007					
Matrix: Water	QC Batch: 07082007A					
Basis: Not Filtered	Notes:					
Analyte	Det Limit	Rep Limit	Note	Result	Units	Pvc Dil
Gasoline Range Organics (C5-C12)	0.020	0.050 PQL		ND	MG/L	1
SURROGATE AND INTERNAL STANDARD RECOVERIES:						
4-Bromofluorobenzene		75-125 SLSA		81%		1

Approved by: William A. G. [Signature] Date: 7/12/07

Project Name: 1735 24TH ST.	Analysis: CA LUFT Method for Gasoline Range Organics					
Project No: 029	Method: CATPH-G					
	Prep Meth: SW5030B					
Field ID: MW-2	Lab Samp ID: 4991-2					
Descr/Location: MW-2	Rec'd Date: 06/29/2007					
Sample Date: 06/29/2007	Prep Date: 07/09/2007					
Sample Time: 0755	Analysis Date: 07/09/2007					
Matrix: Water	QC Batch: 07082007A					
Basis: Not Filtered	Notes:					
Analyte	Det Limit	Rep Limit	Note	Result	Units	Pvc Dil
Gasoline Range Organics (C5-C12)	0.020	0.050 PQL		1.9	MG/L	1
SURROGATE AND INTERNAL STANDARD RECOVERIES:						
4-Bromofluorobenzene		75-125 SLSA		79%		1

Approved by: William R. Potts Date: 7/12/07

Project Name: 1735 24TH ST.		Analysis: CA LUFT Method for Gasoline Range Organics				
Project No: 029		Method: CATPH-G				
		Prep Meth: SW5030B				
Field ID: MW-3	Lab Samp ID: 4991-3					
Descr/Location: MW-3	Rec'd Date: 06/29/2007					
Sample Date: 06/29/2007	Prep Date: 07/09/2007					
Sample Time: 0900	Analysis Date: 07/09/2007					
Matrix: Water	QC Batch: 07082007A					
Basis: Not Filtered	Notes:					
Analyte	Det Limit	Rep Limit	Note	Result	Units	Pvc Dil
Gasoline Range Organics (C5-C12)	0.020	0.050 PQL		0.075	MG/L	1
SURROGATE AND INTERNAL STANDARD RECOVERIES:						
4-Bromofluorobenzene		65-135 SLSA		88%		1

Approved by:

William H. Gatz

Date:

7/12/07

Lab Report No.: 4991 Date: 07/12/2007

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Project Name: 1735 24TH ST.	Analysis: CA LUFT Method for Gasoline Range Organics					
Project No: 029	Method: CATPH-G					
	Prep Meth: SW5030B					
Field ID: VRW-1	Lab Samp ID: 4991-4					
Descr/Location: VRW-1	Rec'd Date: 06/29/2007					
Sample Date: 06/28/2007	Prep Date: 07/09/2007					
Sample Time: 1424	Analysis Date: 07/09/2007					
Matrix: Water	QC Batch: 07082007A					
Basis: Not Filtered	Notes:					
Analyte	Det Limit	Rep Limit	Note	Result	Units	Pvc Dil
Gasoline Range Organics (C5-C12)	0.020	0.050 PQL		0.17	MG/L	1
SURROGATE AND INTERNAL STANDARD RECOVERIES:						
4-Bromofluorobenzene		65-135 SLSA		101%		1

Approved by: William H. Pate

Date: 7/12/07

Lab Report No.: 4991 Date: 07/12/2007

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Project Name: 1735 24TH ST.		Analysis: CA LUFT Method for Gasoline Range Organics				
Project No: 029		Method: CATPH-G				
		Prep Meth: SW5030B				
Field ID: VRW-2		Lab Samp ID: 4991-5				
Descr/Location: VRW-2		Rec'd Date: 06/29/2007				
Sample Date: 06/28/2007		Prep Date: 07/08/2007				
Sample Time: 1205		Analysis Date: 07/08/2007				
Matrix: Water		QC Batch: 07082007A				
Basis: Not Filtered		Notes:				
Analyte	Det Limit	Rep Limit	Note	Result	Units	Pvc Dil
Gasoline Range Organics (C5-C12)	0.100	0.250 PQL		0.45	MG/L	5
SURROGATE AND INTERNAL STANDARD RECOVERIES:						
4-Bromofluorobenzene		65-135	SLSA	96%		1

Approved by: William H. Gotsch

Date: 7/12/07

Project Name: 1735 24TH ST.	Analysis: CA LUFT Method for Gasoline Range Organics					
Project No: 029	Method: CATPH-G					
	Prep Meth: SW5030B					
Field ID: VRW-3	Lab Samp ID: 4991-6					
Descr/Location: VRW-3	Rec'd Date: 06/29/2007					
Sample Date: 06/28/2007	Prep Date: 07/09/2007					
Sample Time: 1110	Analysis Date: 07/09/2007					
Matrix: Water	QC Batch: 07082007A					
Basis: Not Filtered	Notes:					
Analyte	Det Limit	Rep Limit	Note	Result	Units	Pvc Dil
Gasoline Range Organics (C5-C12)	0.020	0.050 PQL		ND	MG/L	1
SURROGATE AND INTERNAL STANDARD RECOVERIES:						
4-Bromofluorobenzene		65-135 SLSA		91%		1

Approved by: William H. Gatz

Date: 7/12/07

Lab Report No.: 4991 Date: 07/12/2007

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Project Name: 1735 24TH ST.	Analysis: CA LUFT Method for Gasoline Range Organics					
Project No: 029	Method: CATPH-G					
	Prep Meth: SW5030B					
Field ID: VRW-4	Lab Samp ID: 4991-7					
Descr/Location: VRW-4	Rec'd Date: 06/29/2007					
Sample Date: 06/28/2007	Prep Date: 07/08/2007					
Sample Time: 1300	Analysis Date: 07/08/2007					
Matrix: Water	QC Batch: 07082007A					
Basis: Not Filtered	Notes:					
Analyte	Det Limit	Rep Limit	Note	Result	Units	Pvc Dil
Gasoline Range Organics (C5-C12)	0.020	0.050	PQL	0.62	MG/L	1
SURROGATE AND INTERNAL STANDARD RECOVERIES:						
4-Bromofluorobenzene		65-135	SLSA	85%		1

Approved by:

Wallace H. Potts

Date:

7/12/07

Project Name: 1735 24TH ST.	Analysis: CA LUFT Method for Gasoline Range Organics					
Project No: 029	Method: CATPH-G					
	Prep Meth: SW5030B					
Field ID: VRW-5	Lab Samp ID: 4991-8					
Descr/Location: VRW-5	Rec'd Date: 06/29/2007					
Sample Date: 06/29/2007	Prep Date: 07/08/2007					
Sample Time: 0827	Analysis Date: 07/08/2007					
Matrix: Water	QC Batch: 07082007A					
Basis: Not Filtered	Notes:					
Analyte	Det Limit	Rep Limit	Note	Result	Units	Pvc Dil
Gasoline Range Organics (C5-C12)	0.100	0.250 PQL		0.69	MG/L	5
SURROGATE AND INTERNAL STANDARD RECOVERIES:						
4-Bromofluorobenzene	65-135	SLSA		114%		1

Approved by: William R. Potts

Date: 7/12/07

Lab Report No.: 4991 Date: 07/12/2007

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Project Name: 1735 24TH ST.		Analysis: CA LUFT Method for Gasoline Range Organics				
Project No: 029		Method: CATPH-G				
		Prep Meth: SW5030B				
Field ID: VRW-6	Lab Samp ID: 4991-9					
Descr/Location: VRW-6	Rec'd Date: 06/29/2007					
Sample Date: 06/28/2007	Prep Date: 07/09/2007					
Sample Time: 1330	Analysis Date: 07/09/2007					
Matrix: Water	QC Batch: 07082007A					
Basis: Not Filtered	Notes:					
Analyte	Det Limit	Rep Limit	Note	Result	Units	Pvc Dil
Gasoline Range Organics (C5-C12)	0.020	0.050 PQL		0.081	MG/L	1
SURROGATE AND INTERNAL STANDARD RECOVERIES:						
4-Bromofluorobenzene		65-135 SLSA		94%		1

Approved by: William A. Gotsch

Date: 7/12/07

Project Name: 1735 24TH ST.	Analysis: CA LUFT Method for Gasoline Range Organics					
Project No: 029	Method: CATPH-G					
	Prep Meth: SW5030B					
Field ID: VRW-8	Lab Samp ID: 4991-10					
Descr/Location: VRW-8	Rec'd Date: 06/29/2007					
Sample Date: 06/29/2007	Prep Date: 07/08/2007					
Sample Time: 0950	Analysis Date: 07/08/2007					
Matrix: Water	QC Batch: 07082007A					
Basis: Not Filtered	Notes:					
Analyte	Det Limit	Rep Limit	Note	Result	Units	Pvc Dil
Gasoline Range Organics (C5-C12)	0.100	0.250 PQL		0.64	MG/L	5
SURROGATE AND INTERNAL STANDARD RECOVERIES:						
4-Bromofluorobenzene		65-135 SLSA		121%		1

Approved by: William A. Pate

Date: 7/12/07

Project Name: 1735 24TH ST.		Analysis: CA LUFT Method for Gasoline Range Organics				
Project No: 029		Method: CATPH-G				
		Prep Meth: SW5030B				
Field ID: VRW-9	Lab Samp ID: 4991-11					
Descr/Location: VRW-9	Rec'd Date: 06/29/2007					
Sample Date: 06/29/2007	Prep Date: 07/09/2007					
Sample Time: 1140	Analysis Date: 07/09/2007					
Matrix: Water	QC Batch: 07082007A					
Basis: Not Filtered	Notes:					
Analyte	Det Limit	Rep Limit	Note	Result	Units	Pvc Dil
Gasoline Range Organics (C5-C12)	0.020	0.050 PQL		0.38	MG/L	1
SURROGATE AND INTERNAL STANDARD RECOVERIES:						
4-Bromofluorobenzene		65-135 SLSA		95%		1

Approved by:

William A. Gots

Date:

7/12/07

QA/QC Report Method Blank Summary

Bace Analytical, Windsor, CA

Lab Report No.: 4991 Date: 07/12/2007

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QC Batch: 07082007A Matrix: Water Lab Samp ID: 4991MB Analysis Date: 07/08/2007 Basis: Not Filtered	Analysis: CA LUFT Method for Gasoline Range Method: CATPH-G Prep Meth: SW5030B Prep Date: 07/08/2007 Notes:					
Analyte	Det Limit	Rep Limit	Note	Result	Units	Pvc Dil
Gasoline Range Organics (C5-C12)	0.020	0.050 PQL		ND	MG/L	1
SURROGATE AND INTERNAL STANDARD RECOVERIES:						
4-Bromofluorobenzene		65-135 SLSA		92%		1

QA/QC Report
Matrix Spike/Duplicate Matrix Spike Summary

Bace Analytical, Windsor, CA

Lab Report No.: 4991 Date: 07/12/2007

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QC Batch: 07082007A Matrix: Water Lab Samp ID: 4991MS Basis: Not Filtered	Project Name: Lab Generated or Non COE Sample Project No.: Lab Generated or Non COE Sample Field ID: Lab Generated or Non COE Sample Lab Ref ID: 4987-1
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Analyte	Analysis Method	Spike Level		Sample Result	Spike Result		Units	% Recoveries			Acceptance Criteria		
		MS	DMS		MS	DMS		MS	DMS	RPD	% Rec	RPD	
Gasoline Range Organics (C5-C12)	CATPH-G	0.450	0.450	ND	0.470	0.427	MG/L	104	94.9	9.2	135-65	MSA	25MSP
4-Bromofluorobenzene	CATPH-G	100.	100.	95.	102.	106.	PERCENT	102	106	3.8	135-65	SLSA	20SLSP

QA/QC Report Method Blank Summary

Bace Analytical, Windsor, CA

Lab Report No.: 4991 Date: 07/12/2007

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QC Batch: 20070708A Matrix: Water Lab Samp ID: 4991MB Analysis Date: 07/08/2007 Basis: Not Filtered	Analysis: VOCs by GC/MS Fuel Additives Plus BTEX Method: 8260FAB Prep Meth: SW5030B Prep Date: 07/08/2007 Notes:					
Analyte	Det Limit	Rep Limit	Note	Result	Units	Pvc Dil
Methyl-tert-butyl ether (MTBE)	0.38	1.0	PQL	ND	UG/L	1
Ethyl tert-butyl ether (ETBE)	0.30	1.0	PQL	ND	UG/L	1
tert-Amyl methyl ether (TAME)	0.26	1.0	PQL	ND	UG/L	1
Di-isopropyl ether (DIPE)	0.37	1.0	PQL	ND	UG/L	1
tert-Butyl alcohol (TBA)	2.4	10.	PQL	ND	UG/L	1
1,2-Dichloroethane	0.30	0.50	PQL	ND	UG/L	1
1,2-Dibromoethane	0.30	0.50	PQL	ND	UG/L	1
Benzene	0.27	0.50	PQL	ND	UG/L	1
Toluene	0.25	0.50	PQL	ND	UG/L	1
Ethylbenzene	0.25	0.50	PQL	ND	UG/L	1
Xylenes	0.25	0.50	PQL	ND	UG/L	1
SURROGATE AND INTERNAL STANDARD RECOVERIES:						
4-Bromofluorobenzene		86-118	SLSA	101%		1
Toluene-d8		88-110	SLSA	103%		1
Dibromofluoromethane		86-115	SLSA	103%		1

QA/QC Report
Matrix Spike/Duplicate Matrix Spike Summary

Bace Analytical, Windsor, CA

Lab Report No.: 4991 Date: 07/12/2007

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QC Batch: 20070708A Matrix: Water Lab Samp ID: 4991MS Basis: Not Filtered	Project Name: Lab Generated or Non COE Sample Project No.: Lab Generated or Non COE Sample Field ID: Lab Generated or Non COE Sample Lab Ref ID: 4992-1
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Analyte	Analysis Method	Spike Level		Sample Result	Spike Result		Units	% Recoveries			Acceptance Criteria		
		MS	DMS		MS	DMS		MS	DMS	RPD	% Rec	MSA	RPD
1,2-Dibromoethane	8260FAB	10.0	10.0	ND	9.94	9.66	UG/L	99.4	96.6	2.9	130-70	MSA	20 MSP
1,2-Dichloroethane	8260FAB	10.0	10.0	ND	9.66	9.51	UG/L	96.6	95.1	1.6	130-70	MSA	20 MSP
Benzene	8260FAB	10.0	10.0	ND	9.28	9.04	UG/L	92.8	90.4	2.6	127-76	MSA	20 MSP
Di-isopropyl ether (DIPE)	8260FAB	10.0	10.0	ND	9.22	9.04	UG/L	92.2	90.4	2.0	130-70	MSA	20 MSP
Ethyl tert-butyl ether (ETBE)	8260FAB	10.0	10.0	ND	9.85	10.2	UG/L	98.5	102	3.5	130-70	MSA	20 MSP
Ethylbenzene	8260FAB	10.0	10.0	ND	8.96	9.30	UG/L	89.6	93.0	3.7	130-70	MSA	20 MSP
Methyl-tert-butyl ether (MTBE)	8260FAB	10.0	10.0	ND	10.6	10.4	UG/L	106	104	1.9	130-70	MSA	20 MSP
Toluene	8260FAB	10.0	10.0	ND	9.23	9.14	UG/L	92.3	91.4	0.98	125-76	MSA	20 MSP
Xylenes	8260FAB	30.0	30.0	ND	26.7	27.2	UG/L	89.0	90.7	1.9	130-70	MSA	20 MSP
tert-Amyl methyl ether (TAME)	8260FAB	10.0	10.0	ND	10.1	10.0	UG/L	101	100	1.0	130-70	MSA	20 MSP
tert-Butyl alcohol (TBA)	8260FAB	50.0	50.0	ND	49.3	50.6	UG/L	98.6	101	2.4	140-60	MSA	25 MSP
4-Bromofluorobenzene	8260FAB	100.	100.	102.	100.	101.	PERCENT	100	101	1.0	118-86	SLSA	20 SLSP
Dibromofluoromethane	8260FAB	100.	100.	98.	96.	97.	PERCENT	96.0	97.0	1.0	115-86	SLSA	20 SLSP
Toluene-d8	8260FAB	100.	100.	101.	101.	101.	PERCENT	101	101	0.00	110-88	SLSA	20 SLSP

Chain of Custody

Project # W29		Project Address 1735 24th St "Pacific Supply" OAKLAND, CA		Containers of	Analysis										C.O.C. No. 12008				
BG No.		Sampler's Signature <i>[Signature]</i>			TPH-Gas EPA 8260B (ortho oxy, p-toluen (BTEX)													Remarks:	
Date Sampled	Sample I.D.	Time (24 Hour)	Sample Type																
6/28/07	MW-1 ✓	1225	H ₂ O	4	X	X											4991-1		
6/29/07	MW-2 ✓	0755	↓	↓	X	X											-2		
6/29/07	MW-3 ✓	0900	↓	↓	X	X											-3		
6/29/07	VRW-1 ✓	1424	↓	↓	X	X											-4		
6/28/07	VRW-2 ✓	1205	↓	↓	X	X											-5		
6/28/07	VRW-3 ✓	1110	↓	↓	X	X											-6		
6/28/07	VRW-4 ✓	1300	↓	↓	X	X											-7		
6/29/07	VRW-5 ✓	0827	↓	↓	X	X											-8		
6/28/07	VRW-6 ✓	1330	↓	↓	X	X											-9		
6/29/07	VRW-8 ✓	0950	↓	↓	X	X											-10		
6/29/07	VRW-9 ✓	1140	↓	↓	X	X											-11		
Laboratory: BAFS				Preservation: A - HCL; B - HNO ₃ ; C - Ice (Specify)										TAT: R 2-WK ; Urgent; Immediate (Specify)					
Relinquished by: (signed) <i>[Signature]</i>		Date/Time 6/29/07 1500		Received by: (signed) <i>[Signature]</i>		Date/Time 6/29/07 1542		Results To: (Office Use Only) Bill Coset				Brunsing Associates, Inc. P.O. Box 588 5468 Skylane Blvd., Suite 201 Santa Rosa, CA 95403 (707) 838-3027 Phone (707) 838-4420 Fax							
Relinquished by: (signed)		Date/Time		Received by: (signed) <i>[Signature]</i>		Date/Time		Global ID: (Office Use Only) T0600101039											
Relinquished by: (signed)		Date/Time		Received for Laboratory by: (signed)		Date/Time													