



RECEIVED

9:11 am, Sep 10, 2012

Alameda County
Environmental Health

September 06, 2012

Mr. Keith Nowles
Alameda County Environmental Health Services Agency
Environmental Protection
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

**RE: 2010 Second Semi-Annual Groundwater Monitoring Report – August 2010
Pacific Supply Oakland
1735 24th Street
Oakland, CA 94607**

Dear Mr. Keith Nowles:

Attached is the Groundwater Monitoring Report – August 2010 dated October 12, 2010 describing the semi-annual groundwater monitoring at the above address performed by Brunsing Associates.

I declare under penalty of perjury that the information and/or recommendations contained in the attached document or report is true and correct to the best of my knowledge.

If you have any questions regarding this report, please contact William Coset of Brunsing Associates at (707) – 838 -3027, myself at (916) 645 -2568 (direct line) or (916)835 -6207 (cell number).

Sincerely,

Normita G. Callison

Normita G. Callison, REM
Environmental Consultant
For: PCCI and Subsidiaries

Enclosure
Groundwater Monitoring Report – August 2010

**10600 White Road, Rancho Cordova, CA 95670
Tel No. (916) 631 – 6559 • Mobile No. (916) 835 -6207**



October 12, 2011

Project No. 029

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

Groundwater Monitoring Report-August 2010
Pacific Supply Company
1735 24th Street
Oakland, California

Dear Mr. Khatri:

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 August 2 and 3, 2010. 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 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 principals 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 August 2, 2010 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 August 2 and 3, 2010 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, MW-5, VRM-6, VRW-7, VRM-8, and VRW-9.

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

Based on data from well MW-1, MW-2, and MW-3, the groundwater gradient on August 2, 2010 was 0.004 feet per foot toward the north-northwest, with groundwater elevations ranging from 3.74 feet to 4.07 feet above MSL. The groundwater elevations are presented on Plate 3.

Groundwater Analytical Results

The analytical results of the sample from well MW-1 reported all analytes as below their respective reporting limits. TPH as gasoline was reported in the sample collected from well MW-2 at a concentration of 1.0 milligrams per liter (mg/l), benzene was at 1.29 micrograms per liter ($\mu\text{g/l}$), toluene at 1.40 $\mu\text{g/l}$, and xylenes at 1.71 $\mu\text{g/l}$. In well MW-3, TPH as gasoline was reported at a concentration of 0.14 mg/l, MTBE at 1.37 $\mu\text{g/l}$, and tert-Butyl Alcohol (TBA) at 127 $\mu\text{g/l}$.

TPH as gasoline was reported in the samples collected from the vapor extraction wells VRW-1 through VRW-9 at concentrations ranging from 0.28 mg/l in VRW-6 to 1.5 mg/l in VRW-5.



Benzene was reported in vapor extraction wells VRW-1, VRW-2, VRW-4, VRW-5, VRW-6, VRW-7, and VRW-8, at concentrations ranging from 1.15 µg/l in well VRW-6 to 31.1 µg/l in well VRW-2. Toluene was reported in wells VRW-1, VRW-2, VRW-5, and VRW-8, at concentrations of 0.77 µg/l, 1.44 µg/l, 1.50 µg/l, and 1.14 µg/l, respectively. Xylenes were reported in samples collected from wells VRW-1 through VRW-9 at concentrations ranging from 0.87 µg/l (VRW-3) to 8.80µg/l (VRW-4). TBA was reported in wells VRM-3, VRW-6, VRW-7, VRW-8, and VRW-9, at concentrations ranging from 28.9 µg/l (VRW-3) to 58.7 µg/l (VRW-7).

Monitoring Schedule

The next groundwater sampling was performed in January 2011. A report summarizing the results of the January 2011 monitoring event will be provided after BAI receives and reviews the analytical results.

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

Sincerely,



David E. Conley, P.G.
Senior Geologist



William H. H. Coset
Project Geologist

cc: Ms. Normita Callison



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, August 2, 2010

APPENDICES

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



TABLES



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	–	–



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	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	-	-
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-1	1/31/2008	6.54	4.93	0.1	<0.50	<0.50	<0.50	<0.50	-	<1.0
MW-1	7/1/2008	7.56	3.91	0.056	<0.50	<0.50	<0.50	<0.50	-	<1.0
MW-1	1/28/2009	7.12	4.35	0.10	<0.50	<0.50	<0.50	<0.50	-	<1.0
MW-1	7/22/2009	7.57	3.90	<0.05	<0.50	<0.50	<0.50	<0.50	-	<1.0
MW-1	2/2/2010	6.58	4.89	<0.05	<0.50	<0.50	<0.50	<0.50	-	<1.0
MW-1	8/3/2010	7.55	3.92	<0.05	<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	-	-



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-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	–	–
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-2	1/31/2008	6.36	4.44	0.7	1.83	<1.0	<1.0	<1.0	–	<2.0
MW-2	7/1/2008	6.95	3.85	1.4	2.72	2.26	<1.0	4.66	–	2.14
MW-2	1/28/2009	6.76	4.04	0.70	5.31	2.78	<0.50	5.92	–	<1.0
MW-2	2/2/2010	6.42	4.38	2.2	8.64	<2.5	<2.5	4.53	–	<5.0
MW-2	8/2/2010	7.06	3.74	1.0	1.29	1.40	<1.0	1.71	–	<2.0
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)	–



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-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
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	<0.50	<0.50	<0.50	-	(A)
MW-3	2/1/2008	6.87	4.89	0.72	<0.50	<0.50	<0.50	<0.50	-	(A)
MW-3	7/2/2008	7.79	3.97	0.081	<0.50	<0.50	<0.50	<0.50	-	(B)
MW-3	1/29/2009	7.53	4.23	0.15	<0.50	<0.50	<0.50	<0.50	-	<1.0
MW-3	7/23/2009	7.80	3.96	0.18	<0.50	<0.50	<0.50	<0.50	-	1.00 (C)
MW-3	2/1/2010	6.96	4.80	0.25	<0.50	<0.50	<0.50	<0.50	-	1.30 (D)
MW-3	8/2/2010	7.76	4.00	0.14	<0.50	<0.50	<0.50	<0.50	-	1.37(E)



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	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	–	–	–	–	–	–	–
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	7.02	2.05	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)	–



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-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	7.17	1.76	<0.05	<0.5	<0.5	<0.5	<0.5	--	<5.0
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	--	--	--	--	--	--	--



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	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	.	14.35	-9.32	<0.05	<0.5	<0.5	<0.5	<0.5	-	-
MW-7	7/12/1997	15.12	-10.09	-	-	-	-	-	-	-
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	7.47	-2.44	<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

Notes:

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.

(B) = concentrations of tert-Butyl alcohol (TBA) reported at 151 µg/l.

(C) = concentrations of tert-Butyl alcohol (TBA) reported at 122 µg/l.

(D) = concentrations of tert-Butyl alcohol (TBA) reported at 135 µg/l.

(E) = concentrations of tert-Butyl alcohol (TBA) reported at 127 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)	Ethyl-benzene (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-1	1/31/2008	6.67	11.18	4.51	0.77	20.5	3.75	<0.50	6.82	2.45	-
VRW-1	7/1/2008	7.35	11.18	3.83	0.75	11.8	3.73	<0.50	6.41	1.13	(B)
VRW-1	1/28/2009	7.14	11.18	4.04	<0.050	1.12	1.26	<0.50	1.56	<1.0	-
VRW-1	7/22/2009	7.40	11.18	3.78	0.38	1.06	0.69	<0.50	1.11	1.33	(E)
VRW-1	2/2/2010	6.70	11.18	4.48	0.90	8.95	2.42	<1.0	4.76	<2.0	-
VRW-1	8/2/2010	7.41	11.18	3.77	0.37	1.34	0.77	<0.50	0.96	<1.0	-
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-2	1/31/2008	6	11.08	5.08	1.4	80.1	2.31	1.25	3.57	1.87	-
VRW-2	7/1/2008	7.15	11.08	3.93	1.5	73.2	2.04	<1.0	4.52	2.15	-
VRW-2	1/28/2009	6.71	11.08	4.37	0.54	46.2	2.10	<0.50	3.76	<1.0	-
VRW-2	7/22/2009	7.10	11.08	3.98	1.1	12.7	1.06	<1.0	2.79	2.38	-
VRW-2	2/2/2010	6.06	11.08	5.02	1.9	62.8	<2.5	<2.5	<2.5	<5.0	-
VRW-2	8/3/2010	7.04	11.08	4.04	1.4	31.1	1.44	<1.0	2.42	<2.0	-



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)	Ethylbenzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	Other Oxygenates & Lead Scavengers (µg/L)
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-3	1/31/2008	6.50	11.62	5.12	<0.050	1.01	<0.50	<0.50	<0.50	<1.0	-
VRW-3	7/1/2008	7.66	11.62	3.96	0.10	<0.50	<0.50	<0.50	<0.50	<1.0	-
VRW-3	1/28/2009	7.19	11.62	4.43	<0.050	<0.50	<0.50	<0.50	2.26	<1.0	-
VRW-3	7/22/2009	7.64	11.62	3.98	0.26	<0.50	<0.50	<0.50	1.16	<1.0	-
VRW-3	2/2/2010	6.45	11.62	5.17	0.28	<0.50	<0.50	<0.50	<0.50	<1.0	(L)
VRW-3	8/3/2010	7.63	11.62	3.99	0.29	<0.50	<0.50	<0.50	0.87	<1.0	(P)
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	-	-
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-4	1/31/2008	6.20	11.33	5.13	0.75	26.0	3.21	<2.5	15.6	<5.0	-
VRW-4	7/1/2008	7.32	11.33	4.01	0.77	16.8	2.86	<0.50	13.3	<1.0	-
VRW-4	1/29/2009	7.02	11.33	4.31	0.89	45.5	3.16	1.75	13.2	<1.0	-
VRW-4	7/22/2009	7.26	11.33	4.07	0.91	16.1	2.42	<1.0	12.4	<2.0	(F)
VRW-4	2/1/2010	6.40	11.33	4.93	2.5	481	26.2	45.2	61.1	<10	-
VRW-4	8/3/2010	7.26	11.33	4.07	1.2	19.3	<5.0	<5.0	8.80	<10	<5.0 to <100



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-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-5	2/1/2008	6.49	11.56	5.07	0.87	33.7	<2.5	15.2	10.5	<5.0	NA
VRW-5	1/28/2009	7.17	11.56	4.39	0.72	110	3.53	5.00	9.00	<1.0	NA
VRW-5	7/23/2009	7.54	11.56	4.02	1.6	11.8	<1.0	<1.0	3.93	<2.0	(G)
VRW-5	8/3/2010	7.50	11.56	4.06	1.5	12.7	1.50	<1.0	3.28	<2.0	<1.0 to <20
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		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-6	2/1/2008	NM	11.43	NM	1.8	212	10.2	8.05	17.7	<2.0	(A)
VRW-6	7/2/2008	7.51	11.43	3.92	0.18	4.80	<0.50	<0.50	1.72	<1.0	(C)
VRW-6	7/23/2009	NM	11.43	NM	0.21	<0.50	<0.50	<0.50	<0.50	<1.0	(H)
VRW-6	2/1/2010	6.65	11.43	4.78	0.32	7.97	<0.50	<0.50	1.26	<1.0	(M)
VRW-6	8/2/2010	7.45	11.43	3.98	0.28	1.15	<0.50	<0.50	1.03	<1.0	(Q)



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-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	-	-
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-7	2/1/2008	6.70	11.70	5.00	0.47	21.3	<5.0	<5.0	<5.0	<10	NA
VRW-7	7/2/2008	7.70	11.70	4.00	0.38	2.13	<0.50	<0.50	2.60	<1.0	(D)
VRW-7	1/29/2009	7.47	11.70	4.23	0.44	8.67	<0.50	<0.50	2.30	<1.0	
VRW-7	7/23/2009	7.69	11.70	4.01	0.51	2.87	<0.50	<0.50	<0.50	<1.0	(I)
VRW-7	2/1/2010	6.82	11.70	4.88	0.62	31.6	1.67	2.52	3.18	<2.0	(N)
VRW-7	8/2/2010	7.71	11.70	3.99	0.36	3.82	<1.0	<1.0	1.21	<2.0	(R)
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-8	2/1/2008	6.85	11.62	4.77	3.1	15.1	2.9	<2.5	9.77	<5.0	-
VRW-8	7/2/2008	7.73	11.62	3.89	2.0	11.6	<2.5	<2.5	<2.5	<5.0	-
VRW-8	1/29/2009	7.43	11.62	4.19	0.84	7.73	2.04	<0.50	7.52	<1.0	-
VRW-8	7/23/2009	7.71	11.62	3.91	2.4	22.2	<1.0	<1.0	8.18	<2.0	(J)
VRW-8	2/1/2010	6.90	11.62	4.72	1.8	4.03	2.02	<1.0	5.08	<2.0	(O)
VRW-8	8/2/2010	7.65	11.62	3.97	0.95	3.04	1.14	<1.0	2.76	<2.0	(S)



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-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	-
VRW-9	7/2/2008	7.93	11.87	3.94	0.53	<0.50	<0.50	<0.50	1.85	<1.0	-
VRW-9	1/29/2009	7.60	11.87	4.27	0.24	1.53	1.03	<0.50	4.04	<1.0	-
VRW-9	7/23/2009	7.91	11.87	3.96	0.80	<0.50	<0.50	<0.50	1.60	<1.0	(K)
VRW-9	2/1/2010	7.01	11.87	4.86	0.95	1.71	1.13	<1.0	4.00	<2.0	
VRW-9	8/3/2010	7.86	11.87	4.01	0.68	<1.0	<1.0	<1.0	1.57	<2.0	(T)



TABLE 2. SUMMARY OF GROUNDWATER ANALYTICAL DATA FOR VAPOR EXTRACTION WELLS

Pacific Supply Company, 1735 24th Street, Oakland, California

Notes:

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.

(B) = concentrations of tert-Butyl alcohol reported at 53.3 µg/l.

(C) = concentrations of tert-Butyl alcohol reported at 54.3 µg/l.

(D) = concentrations of tert-Butyl alcohol reported at 90.4 µg/l.

(E) = concentrations of tert-Butyl alcohol reported at 42.5 µg/l.

(F) = concentrations of tert-Butyl alcohol reported at 33.7 µg/l.

(G) = concentrations of tert-Butyl alcohol reported at 35.2 µg/l.

(H) = concentrations of tert-Butyl alcohol reported at 28.6 µg/l.

(I) = concentrations of tert-Butyl alcohol reported at 89.5 µg/l.

(J) = concentrations of tert-Butyl alcohol reported at 62.6 µg/l.

(K) = concentrations of tert-Butyl alcohol reported at 62.1 µg/l.

(L) = concentrations of tert-Butyl alcohol reported at 41.8 µg/l.

(M) = concentrations of tert-Butyl alcohol reported at 48.8 µg/l.

(N) = concentrations of tert-Butyl alcohol reported at 61.4 µg/l.

(O) = concentrations of tert-Butyl alcohol reported at 57.5 µg/l.

(P) = concentrations of tert-Butyl alcohol reported at 28.9 µg/l.

(Q) = concentrations of tert-Butyl alcohol reported at 57.4 µg/l.

(R) = concentrations of tert-Butyl alcohol reported at 58.7 µg/l.

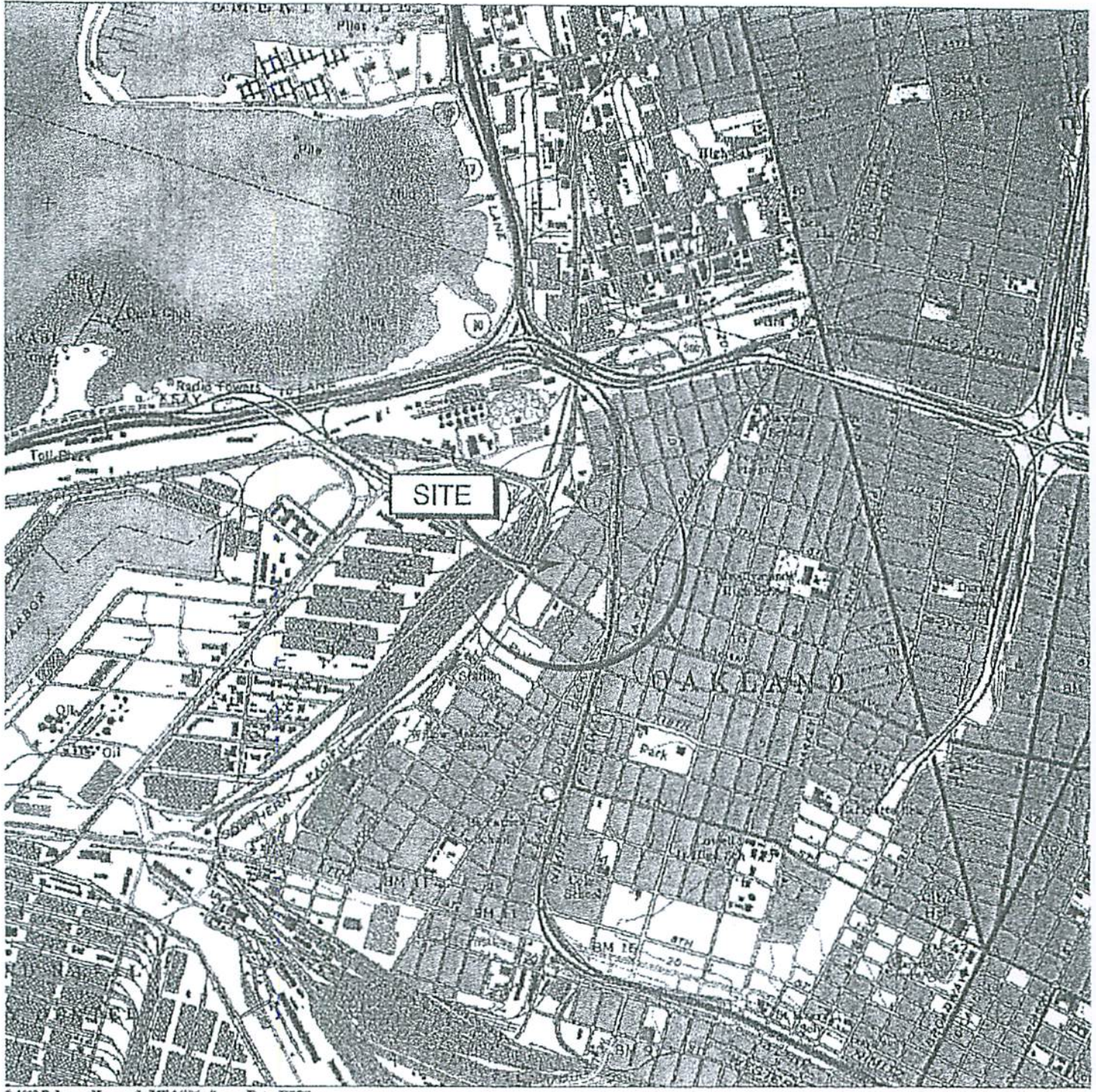
(S) = concentrations of tert-Butyl alcohol reported at 52.5 µg/l.

(T) = concentrations of tert-Butyl alcohol reported at 50.6 µg/l.

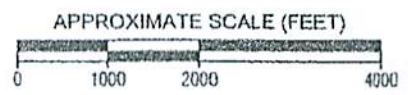


PLATES





© 1999 DeLorme Yarmouth, ME 04096 Source Data: USGS 700 ft Scale: 1:24,000 Detail: 13-0 Datum: NAD27

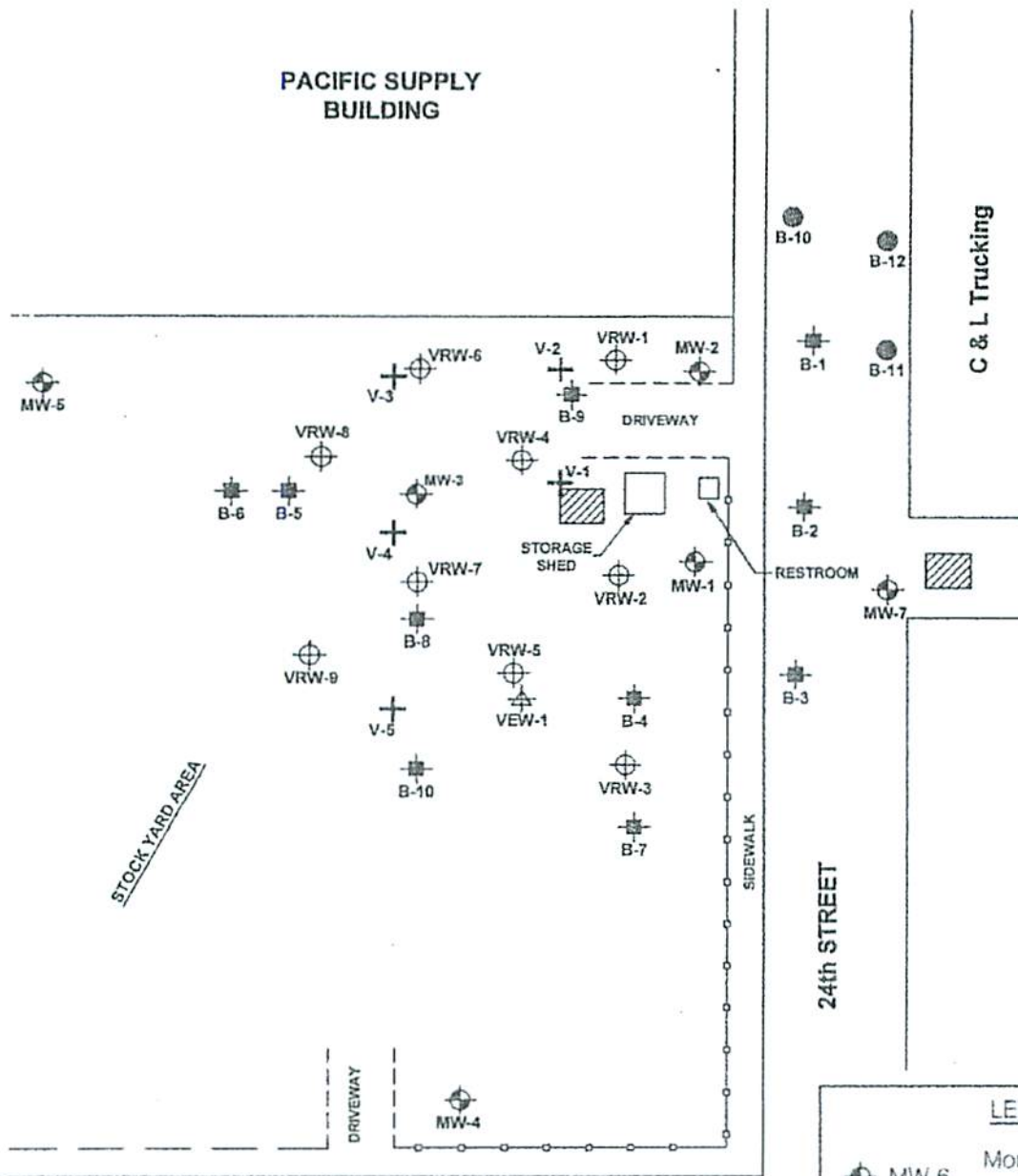


Brunsing Associates, Inc.
 5803 Skylane Blvd., Suite A
 Windsor, California 95492
 Tel: (707) 838-3027








Job No.: 029.2
 Appr.: *[Signature]*
 Date: 1/8/04

VICINITY MAP
PACIFIC SUPPLY COMPANY
 Oakland, California

PLATE
1



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
-  Former UST Locations

Yellow Cab



APPROXIMATE SCALE (FEET)



WILLOW STREET



Brunsing Associates, Inc.
5468 Skylane Blvd., Suite 201
Santa Rosa, California 95403
Tel. (707) 838-3027

Job No.: 29

Appr: *[Signature]*

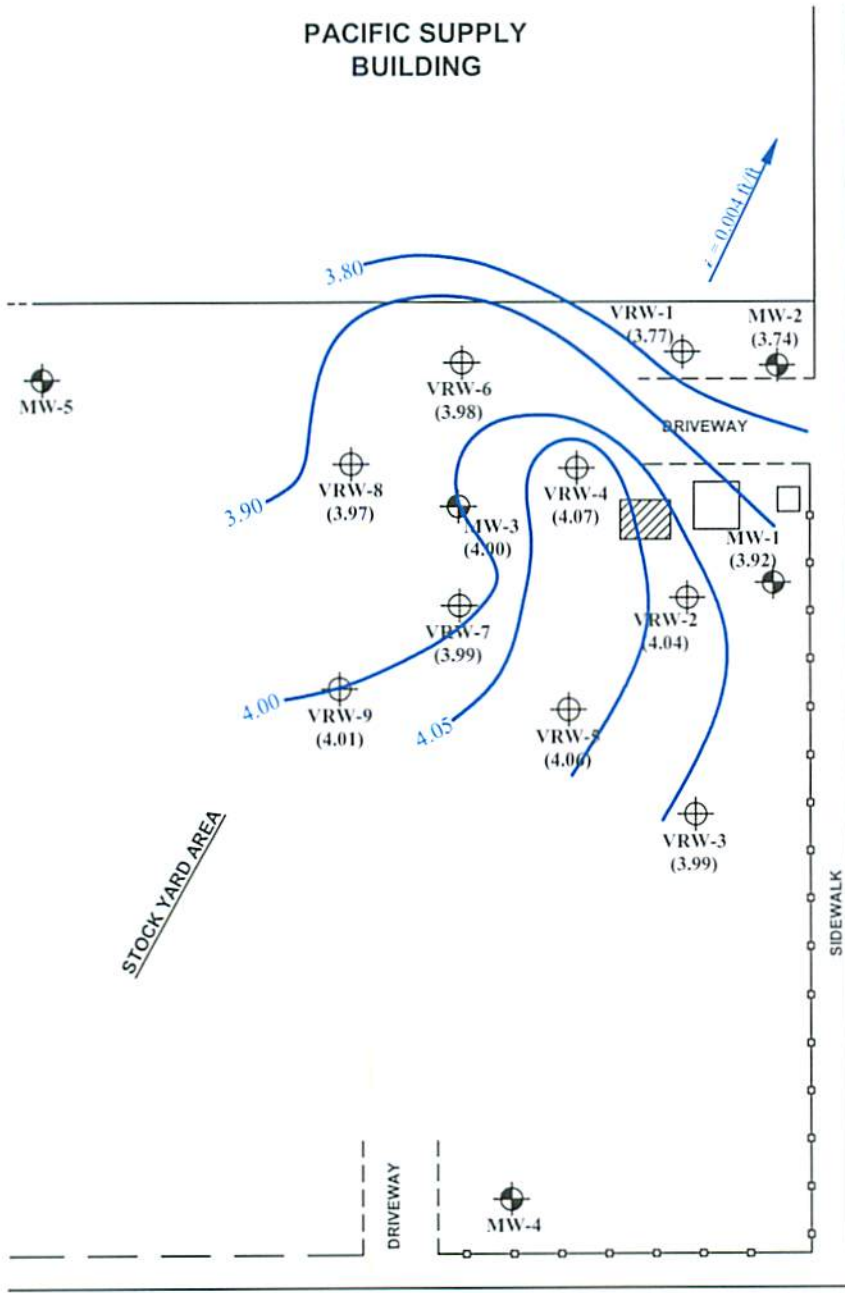
Date: 7/24/03

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

PLATE

2

PACIFIC SUPPLY BUILDING



C & L Trucking

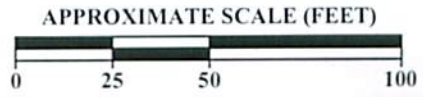
24th STREET

WILLOW STREET

Yellow Cab

LEGEND

- MW-1 (3.92) Monitoring Well Location and Number with Groundwater Elevation in feet above Mean Sea Level (MSL)
- VRW-9 (4.01) Vapor Recovery Well Location and Number with Groundwater Elevation in feet above MSL
- Former UST Locations
- $i = 0.010 \text{ ft/ft}$ Groundwater Flow Direction and gradient in feet/foot (ft/ft) using data from wells MW-1, MW-2, and MW-3
- 3.80 Groundwater Elevation Contour in feet above Mean Sea Level



Brunsing Associates, Inc.
5468 Skylane Blvd., Suite 201
Santa Rosa, California 95403
Tel: (707) 838-3027

Job No.: 029
Appr.:
Date: 01/11/2011

GROUNDWATER ELEVATIONS

August 2, 2010
PACIFIC SUPPLY COMPANY
1734 24th Street
Oakland, California

PLATE
3

W:\resources\resources\maps\511009_Pacific_Supply_Comp\August2010\11112011_01112011\resources\Maps\20101111.dwg 11/11/2011 4:48:25 PM user:dlm 10/17/2011 8:40:58 AM plot:1/10

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.



8/4/10

UST Fund Site: Yes No

FIELD REPORT

PAGE 1 OF 15

JOB NO: 29 PROJECT: Pacific Supply
 INITIAL: ED SUBJECT: GW Monitoring
 DATE: 8-2-10 PROJECT PHASE NUMBER:
 VEHICLE USED: 2006 Ranger

Total Time: 9.0
 End. Mileage: 45731
 Beg. Mileage: 45656

TOTAL MILEAGE: 75

TIME	DESCRIPTION OF WORK AND CONVERSATION RECORD:
0755	Arrive @ Shop
	load up equipment
0820	leave to site
1008	Arrive @ site
	- Locate, identify, and open monitoring wells
	- perform waterlevel measurements @ mw-1, mw-2, mw-3, vrw-1, vrw-2, vrw-3, -4, -5, -6, -7, -8, and vrw-9 (2 rounds). All wells equilibrated.
	- Set up and perform groundwater sampling @ mw-2, mw-3, vrw-6, vrw-7, vrw-8, vrw-6, and vrw1.
	- Store purged groundwater in drums + decon supplies
	- Close well covers and caps securely
	- load up equipment
1726	leave site
1755	Arrive @ hotel in Berkeley
	- Unload supplies
	- put samples on ice
1805	Done

DRUM COUNT:

Water = 4 Devlpmt Water =
 Soil = Decon Water =





WELL SAMPLING

SHEET 3 OF

PROJECT: Pacific Supply	PROJECT NUMBER: 29
WELL # MW-2 PRECIP. IN LAST 5 DAYS: WIND	DATE: 8-2-10
STARTING TIME: 1315 FINISHING TIME: 1412	INITIALS: ED

CALCULATION OF PURGE VOLUME

2" WELL	DEPTH: <input type="text" value="7"/>	- D.T.W. <input type="text" value="7"/>	= H2O COLUMN: <input type="text" value="7"/>	X 0.5 = <input type="text" value="7"/>	G A L L O N S
4" WELL	DEPTH: <input type="text" value="20.00"/>	- D.T.W. <input type="text" value="7.06"/>	= H2O COLUMN: <input type="text" value="12.94"/>	X 2.0 = <input type="text" value="25.88"/>	

THEREFORE TOTAL PURGE GALLONS EQUALS

FIELD MEASUREMENTS

TIME	GALLONS REMOVED	pH	CONDUCTIVITY	TEMP.	OBSERVATIONS
1338	9	7.15	3.81 mS	21.5 °C	lt. Light green/brown, no silt, odor
1349	18	7.24	3.06	21.4	Light green/yellow, no silt, odor
1359	26	7.19	2.99	21.3	light green/yellow, no silt, odor

SAMPLING: SAMPLE ANALYSIS:

SAMPLE TIME: DID WELL GO DRY?

WATER LEVELS:		NOTES:
TIME	D.T.W.	
1410	7.10	

WELL SAMPLING

SHEET 4 OF

PROJECT: Pacific Supply		PROJECT NUMBER: 29	
WELL # MW-3	PRECIP. IN LAST 5 DAYS:	WIND	DATE: 8-2-10
STARTING TIME: 1650	FINISHING TIME: 1716	INITIALS: ED	

CALCULATION OF PURGE VOLUME

2" WELL	DEPTH: 16.00	- D.T.W. 7.76	= H2O COLUMN: 8.24	X 0.5 = 4.12
4" WELL	DEPTH: /	- D.T.W. /	= H2O COLUMN: /	X 2.0 = /

THEREFORE TOTAL PURGE GALLONS EQUALS 4.25

GALLONS

FIELD MEASUREMENTS

TIME	GALLONS REMOVED	pH	CONDUCTIVITY	TEMP.	OBSERVATIONS
1656	1.5	7.38	7.77 mS	22.2 °C	Clear, yellow/greenish tint, odor, no silt
1700	3	7.28	7.91	22.3	Clear, yellow/greenish tint, odor, no silt
1704	4.25	7.33	7.77	22.8	Clear, yellow/greenish tint, odor, no silt

SAMPLING: SAMPLE ANALYSIS: TPH-Gas, 8260B (BTEX, petro oxy & Pb scav)

SAMPLE TIME: 1705 DID WELL GO DRY? NO

WATER LEVELS:		NOTES:
TIME	D.T.W.	
1715	8.15	

WELL SAMPLING

SHEET 5 OF

PROJECT: Pacific Supply	PROJECT NUMBER: 29
WELL # VRW-1 PRECIP. IN LAST 5 DAYS:	WIND
STARTING TIME: 1216	DATE: 8-2-10
FINISHING TIME: 1314	INITIALS: ED

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=""/>	G A L L O N S
4" WELL	DEPTH: <input type="text" value="20.00"/>	- D.T.W. <input type="text" value="7.41"/>	= H2O COLUMN: <input type="text" value="12.59"/>	X 2.0 = <input type="text" value="25.18"/>	

THEREFORE TOTAL PURGE GALLONS EQUALS

FIELD MEASUREMENTS

TIME	GALLONS REMOVED	pH	CONDUCTIVITY	TEMP.	OBSERVATIONS
1226	8	7.04	10.39 ms	20.4 °C	Light green/brown, no silt, odor
1235	16	7.85	16.47	20.3	Dark green/brown, silt, odor
1244	25	7.16	14.20	20.4	Dark green/brown, silt, odor

SAMPLING: SAMPLE ANALYSIS:

SAMPLE TIME: DID WELL GO DRY?

WATER LEVELS:		NOTES:
TIME	D.T.W.	
1310	10.20	

WELL SAMPLING

SHEET 6 OF

PROJECT: Pacific Supply	PROJECT NUMBER: 29
WELL # VRW-7 PRECIP. IN LAST 5 DAYS: WIND	DATE: 8-2-10
STARTING TIME: 1555 FINISHING TIME: 1646	INITIALS: ED

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="7.71"/>	= H2O COLUMN:	<input type="text" value="12.29"/>	X 2.0 =	<input type="text" value="24.58"/>

THEREFORE TOTAL PURGE GALLONS EQUALS

GALLONS

FIELD MEASUREMENTS

TIME	GALLONS REMOVED	pH	CONDUCTIVITY	TEMP.	OBSERVATIONS
1603	8	7.07	12.96 mS	21.0 °C	Clear, yellow/greenish tint, no silt, odor
1611	16	7.14	14.48	20.4	Cloudy yellow/green, silt, odor
1619	24	7.08	14.50	20.6	Cloudy, yellow/green, silt, odor

SAMPLING: SAMPLE ANALYSIS:

SAMPLE TIME: DID WELL GO DRY?

WATER LEVELS:		NOTES:
TIME	D.T.W.	
1645	12.80	

WELL SAMPLING

SHEET 1 OF

PROJECT: Pacific Supply

PROJECT NUMBER: 29

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

WIND

DATE: 8-2-10

STARTING TIME: 1500

FINISHING TIME: 1546

INITIALS: ED

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
1508	8	7.00	4.22 mS	24.9 °C	Clear, yellow/green tint, no silt, odor
1516	16	7.00	6.20	24.3	Clear, yellow/greenish tint, no silt, odor
1524	24.75	7.10	6.25	23.9	Clear, yellow/greenish tint, no silt, odor

SAMPLING:

SAMPLE ANALYSIS:

SAMPLE TIME:

DID WELL GO DRY?

WATER LEVELS:

NOTES:

TIME	D.T.W.
1545	7.65

UST Fund Site: Yes No

FIELD REPORT

PAGE 8 OF

JOB NO: 29 PROJECT: Pacific Supply
 INITIAL: ED SUBJECT: GW Monitoring
 DATE: 8-3-10 PROJECT PHASE NUMBER:
 VEHICLE USED: 2006

Total Time: 8.0
 End. Mileage: 45805
 Beg. Mileage: 45731

TOTAL MILEAGE: 74

TIME	DESCRIPTION OF WORK AND CONVERSATION RECORD:
0820	load up
0835	leave to site
0850	Arrive @ site
	Set up and perform groundwater sampling @ MW-1, VRW-2, VRW-3, VRW-5, VRW-4 and VRW-9.
	Store purged groundwater in drums located in area of where prior remediation is located.
	Decon sampling supplies
	Close well covers and lids securely.
	Complete COC, label drums
	load up equipment and supplies
1355	leave site
1500	Arrive @ shop
	- Unload equipment + supplies
	- Complete field forms
	- Submit samples
1625	Done

DRUM COUNT:
 Water = 4 Devlpmt Water =
 Soil = Decon Water =



WELL SAMPLING

SHEET 9 OF

PROJECT: Pacific Supply	PROJECT NUMBER: 29
WELL # mw-1 PRECIP. IN LAST 5 DAYS:	WIND DATE: 8-3-10
STARTING TIME: 1030 FINISHING TIME: 1111	INITIALS: ED

CALCULATION OF PURGE VOLUME				G A L L O N S	
2" WELL	DEPTH: <input style="width: 50px;" type="text" value="19"/>	- D.T.W. <input style="width: 50px;" type="text" value="7.55"/>	= H2O COLUMN: <input style="width: 50px;" type="text" value="11.45"/>		X 0.5 = <input style="width: 50px;" type="text" value="5.72"/>
4" WELL	DEPTH: <input style="width: 50px;" type="text" value="1"/>	- D.T.W. <input style="width: 50px;" type="text" value="1"/>	= H2O COLUMN: <input style="width: 50px;" type="text" value="1"/>		X 2.0 = <input style="width: 50px;" type="text" value="1"/>
THEREFORE TOTAL PURGE GALLONS EQUALS					<input style="width: 50px;" type="text" value="5.75"/>

FIELD MEASUREMENTS

TIME	GALLONS REMOVED	pH	CONDUCTIVITY	TEMP.	OBSERVATIONS
1043	2	7.35	1665 μ S	18.1 °C	Cloudy, light grey/brown, odor, sheen
1048	4	7.19	1482	18.0	Cloudy, light grey/brown, odor, sheen
1054	5.75	7.10	3.98 mS	18.1	Cloudy, light grey/brown, odor, sheen

SAMPLING:	SAMPLE ANALYSIS: TPH-Gas, 8260B (BTEX, petro oxy & Pb scav)	
	SAMPLE TIME: <input style="width: 50px;" type="text" value="1055"/>	DID WELL GO DRY? <input style="width: 50px;" type="text" value="No"/>

WATER LEVELS:		NOTES:
TIME	D.T.W.	
1110	7.75	

WELL SAMPLING

SHEET 10 OF

PROJECT: Pacific Supply

PROJECT NUMBER: 29

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

WIND

DATE: 8-3-10

STARTING TIME: 1112

FINISHING TIME: 1148

INITIALS: ED

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
1118	9	7.20	5.19 mS	21.0 °C	Clear, greenish/yellow tint, no silt, odor
1126	18	7.24	3.44	21.6	Clear, greenish/yellow, tint, no silt, odor
1134	26	7.24	3.85	20.9	Clear, greenish/yellow tint, no silt, odor

SAMPLING:

SAMPLE ANALYSIS:

SAMPLE TIME:

DID WELL GO DRY?

WATER LEVELS:

NOTES:

TIME	D.T.W.	NOTES
1147	7.27	

WELL SAMPLING

SHEET 11 OF

PROJECT: Pacific Supply

PROJECT NUMBER: 29

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

WIND

DATE: 8-3-10

STARTING TIME: 1200 FINISHING TIME: 1231

INITIALS: ED

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
1206	8	7.62	8.52 mS	19.6 °C	Cloudy, dark grey/brown, silt, odor
1210	10	7.26	9.95	19.5	Cloudy, dark grey/brown, silt, odor
1214	16	7.32	9.87	19.4	Cloudy, dark grey/brown, silt, odor
	24.75				

SAMPLING: SAMPLE ANALYSIS:

SAMPLE TIME: DID WELL GO DRY?

WATER LEVELS:		NOTES:
TIME	D.T.W.	
1230	15.07	Well dry @ 16 gallons

WELL SAMPLING

SHEET 12 OF

PROJECT: Pacific Supply

PROJECT NUMBER: 29

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

WIND

DATE: 8-3-10

STARTING TIME: 0943

FINISHING TIME: 1025

INITIALS: ED

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

G
A
L
L
O
N
S

FIELD MEASUREMENTS

TIME	GALLONS REMOVED	pH	CONDUCTIVITY	TEMP.	OBSERVATIONS
0950	8	7.17	6.43 mS	20.4 °C	Clear yellow/greenish tint, no silt, no odor
1000	17	7.16	9.67	20.0	Cloudy, green/brown, silt, odor
1009	25	7.12	9.52	20.0	Cloudy green/brown, silt, odor

SAMPLING:

SAMPLE ANALYSIS:

SAMPLE TIME:

DID WELL GO DRY?

WATER LEVELS:

NOTES:

TIME	D.T.W.	NOTES
1020	13.20	

WELL SAMPLING

SHEET 13 OF

PROJECT: Pacific Supply	PROJECT NUMBER: 29
WELL # <u>VRW-5</u> PRECIP. IN LAST 5 DAYS: WIND	DATE: <u>8-3-10</u>
STARTING TIME: <u>1245</u> FINISHING TIME: <u>1326</u>	INITIALS: <u>ED</u>

CALCULATION OF PURGE VOLUME

2" WELL	DEPTH: <input type="text" value="7"/>	- D.T.W. <input type="text" value="7"/>	= H2O COLUMN: <input type="text" value="7"/>	X 0.5 =	<input type="text" value="7"/>	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="12.50"/>	X 2.0 =	<input type="text" value="25"/>	
THEREFORE TOTAL PURGE GALLONS EQUALS <input style="width: 100px;" type="text" value="25"/>						

FIELD MEASUREMENTS

TIME	GALLONS REMOVED	pH	CONDUCTIVITY	TEMP.	OBSERVATIONS
1252	8	7.12	4.63 mS	19.7 °C	Clear, greenish/yellow tint, light silt, odor
1300	16	6.92	4.78	19.1	Clear, greenish/yellow tint, light silt, odor
1309	25	6.99	4.61	19.3	Clear, greenish/yellow, light silt, odor

SAMPLING: SAMPLE ANALYSIS:

SAMPLE TIME: DID WELL GO DRY?

WATER LEVELS:		NOTES:
TIME	D.T.W.	
1325	7.56	

WELL SAMPLING

SHEET 14 OF

PROJECT: Pacific Supply

PROJECT NUMBER: 29

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

WIND

DATE: 8-2-10

STARTING TIME: 1135 FINISHING TIME: 1218

INITIALS: ED

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

G
A
L
L
O
N
S

FIELD MEASUREMENTS

TIME	GALLONS REMOVED	pH	CONDUCTIVITY	TEMP.	OBSERVATIONS
<u>1142</u>	<u>8</u>	<u>7.04</u>	<u>7.64 mS</u>	<u>20.6 °C</u>	<u>Cloudy, dark brown, silty, organic odor</u>
<u>1150</u>	<u>16</u>	<u>7.09</u>	<u>10.99</u>	<u>20.1</u>	<u>Cloudy, dark brown, silty, odor</u>
<u>1159</u>	<u>25</u>	<u>7.06</u>	<u>10.79</u>	<u>20.1</u>	<u>Cloudy, dark brown, silty, odor</u>

SAMPLING:

SAMPLE ANALYSIS:

SAMPLE TIME: DID WELL GO DRY?

WATER LEVELS:

NOTES:

TIME	D.T.W.
<u>1215</u>	<u>16.82</u>

WELL SAMPLING

SHEET 15 OF 15

PROJECT: Pacific Supply	PROJECT NUMBER: 29
WELL # VRW-9 PRECIP. IN LAST 5 DAYS: WIND	DATE: 8-3-10
STARTING TIME: 0900 FINISHING TIME: 0938	INITIALS: ED

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="/"/>	G A L L O N S
4" WELL	DEPTH: <input type="text" value="20.00"/>	- D.T.W. <input type="text" value="7.85"/>	= H2O COLUMN: <input type="text" value="12.15"/>	X 2.0 = <input type="text" value="24.3"/>	
THEREFORE TOTAL PURGE GALLONS EQUALS <input style="margin-left: 100px;" type="text" value="24.25"/>					

FIELD MEASUREMENTS

TIME	GALLONS REMOVED	pH	CONDUCTIVITY	TEMP.	OBSERVATIONS
0912	8	7.29	6.78 mS	21.9 °C	Clear, yellow/greenish tint, no silt, odor
0920	16	7.54	6.76	20.6	Clear, yellow/greenish tint, no silt, odor
0929	24.25	7.30	6.72	22.2	Clear, yellow/greenish tint, no silt, odor

SAMPLING: SAMPLE ANALYSIS:

SAMPLE TIME: DID WELL GO DRY?

WATER LEVELS:		NOTES:
TIME	D.T.W.	
0937	7.96	

APPENDIX B
Analytical Laboratory Report



Laboratory Report Project Overview

EDF 1.2a

~~August 2~~
July/Aug 2010

SCANNED

7/13/10

Laboratory:	Bace Analytical, Windsor, CA
Lab Report Number:	5563
Project Name:	1735 24TH ST.
Work Order Number:	029
Control Sheet Number:	NA

SCANNED

Report Summary

Labreport	Sampid	Labsampid	Mtrx	QC	Anmcode	Exmcode	Logdate	Extdate	Anadate	Lablotctl	Run Sub
5563	MW-1	5563-1	W	CS	8260FAB	SW5030B	08/03/201	08/09/201	08/09/201	20100809	7
							0	0	0		
5563	MW-1	5563-1	W	CS	CATPH-G	SW5030B	08/03/201	08/09/201	08/09/201	08092010	6
							0	0	0		
5563	MW-2	5563-2	W	CS	8260FAB	SW5030B	08/02/201	08/09/201	08/09/201	20100809	10
							0	0	0		
5563	MW-2	5563-2	W	CS	CATPH-G	SW5030B	08/02/201	08/09/201	08/09/201	08092010	7
							0	0	0		
5563	MW-3	5563-3	W	CS	8260FAB	SW5030B	08/02/201	08/09/201	08/09/201	20100809	11
							0	0	0		
5563	MW-3	5563-3	W	CS	CATPH-G	SW5030B	08/02/201	08/09/201	08/09/201	08092010	3
							0	0	0		
5563	VRW-1	5563-4	W	CS	8260FAB	SW5030B	08/02/201	08/09/201	08/09/201	20100809	12
							0	0	0		
5563	VRW-1	5563-4	W	CS	CATPH-G	SW5030B	08/02/201	08/09/201	08/09/201	08092010	8
							0	0	0		
5563	VRW-2	5563-5	W	CS	8260FAB	SW5030B	08/03/201	08/09/201	08/09/201	20100809	13
							0	0	0		
5563	VRW-2	5563-5	W	CS	CATPH-G	SW5030B	08/03/201	08/09/201	08/09/201	08092010	9
							0	0	0		
5563	VRW-3	5563-6	W	CS	8260FAB	SW5030B	08/03/201	08/09/201	08/09/201	20100809	14
							0	0	0		
5563	VRW-3	5563-6	W	CS	CATPH-G	SW5030B	08/03/201	08/09/201	08/09/201	08092010	10
							0	0	0		
5563	VRW-4	5563-7	W	CS	8260FAB	SW5030B	08/03/201	08/09/201	08/09/201	20100809	15
							0	0	0		
5563	VRW-4	5563-7	W	CS	CATPH-G	SW5030B	08/03/201	08/09/201	08/09/201	08092010	11
							0	0	0		
5563	VRW-5	5563-8	W	CS	8260FAB	SW5030B	08/03/201	08/09/201	08/09/201	20100809	16
							0	0	0		
5563	VRW-5	5563-8	W	CS	CATPH-G	SW5030B	08/03/201	08/09/201	08/09/201	08092010	12
							0	0	0		
5563	VRW-6	5563-9	W	CS	8260FAB	SW5030B	08/02/201	08/09/201	08/09/201	20100809	17
							0	0	0		
5563	VRW-6	5563-9	W	CS	CATPH-G	SW5030B	08/02/201	08/09/201	08/09/201	08092010	13
							0	0	0		
5563	VRW-7	5563-10	W	CS	8260FAB	SW5030B	08/02/201	08/09/201	08/09/201	20100809	18
							0	0	0		
5563	VRW-7	5563-10	W	CS	CATPH-G	SW5030B	08/02/201	08/09/201	08/09/201	08092010	14

08/10/201

Report Summary

Labreport	Sampid	Labsampid	Mtrx	QC	Anmcode	Exmcode	Logdate	Extdate	Anadate	Lablotctl	Run	Sub
							0	0	0			
5563	VRW-8	5563-11	W	CS	8260FAB	SW5030B	08/02/201	08/09/201	08/09/201	20100809	19	
							0	0	0			
5563	VRW-8	5563-11	W	CS	CATPH-G	SW5030B	08/02/201	08/09/201	08/09/201	08092010	15	
							0	0	0			
5563	VRW-9	5563-12	W	CS	8260FAB	SW5030B	08/03/201	08/09/201	08/09/201	20100809	20	
							0	0	0			
5563	VRW-9	5563-12	W	CS	CATPH-G	SW5030B	08/03/201	08/09/201	08/09/201	08092010	16	
							0	0	0			
		5563MB	W	LB1	8260FAB	SW5030B	//	08/09/201	08/09/201	20100809	3	
								0	0			
		5563MB	W	LB1	CATPH-G	SW5030B	//	08/09/201	08/09/201	08092010	1	
								0	0			
		5563MS	W	MS1	8260FAB	SW5030B	//	08/09/201	08/09/201	20100809	8	
								0	0			
		5563MS	W	MS1	CATPH-G	SW5030B	//	08/09/201	08/09/201	08092010	4	
								0	0			
		5563SD	W	SD1	8260FAB	SW5030B	//	08/09/201	08/09/201	20100809	9	
								0	0			
		5563SD	W	SD1	CATPH-G	SW5030B	//	08/09/201	08/09/201	08092010	5	
								0	0			

Lab Report No.: 5563 Date: 08/10/2010

Page: 1

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: 5563-1					
Descr/Location: MW-1		Rec'd Date: 08/04/2010					
Sample Date: 08/03/2010		Prep Date: 08/09/2010					
Sample Time: 1055		Analysis Date: 08/09/2010					
Matrix: Water		QC Batch: 20100809					
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	112%		1	
Toluene-d8		88-110	SLSA	106%		1	
Dibromofluoromethane		86-118	SLSA	103%		1	

Approved by: _____



Date: _____



Lab Report No.: 5563 Date: 08/10/2010

Page: 2

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-2		Lab Samp ID: 5563-2					
Descr/Location: MW-2		Rec'd Date: 08/04/2010					
Sample Date: 08/02/2010		Prep Date: 08/09/2010					
Sample Time: 1400		Analysis Date: 08/09/2010					
Matrix: Water		QC Batch: 20100809					
Basis: Not Filtered		Notes:					
Analyte	Det Limit	Rep Limit	Note	Result	Units	Pvc Dil	
Methyl-tert-butyl ether (MTBE)	0.76	2.0 PQL	DX	ND	UG/L	2	
Ethyl tert-butyl ether (ETBE)	0.60	2.0 PQL		ND	UG/L	2	
tert-Amyl methyl ether (TAME)	0.52	2.0 PQL		ND	UG/L	2	
Di-isopropyl ether (DIPE)	0.74	2.0 PQL		ND	UG/L	2	
tert-Butyl alcohol (TBA)	4.8	20. PQL		ND	UG/L	2	
1,2-Dichloroethane	0.60	1.0 PQL		ND	UG/L	2	
1,2-Dibromoethane	0.60	1.0 PQL		ND	UG/L	2	
Benzene	0.54	1.0 PQL		1.29	UG/L	2	
Toluene	0.50	1.0 PQL		1.40	UG/L	2	
Ethylbenzene	0.50	1.0 PQL		ND	UG/L	2	
Xylenes	0.50	1.0 PQL		1.71	UG/L	2	
SURROGATE AND INTERNAL STANDARD RECOVERIES:							
4-Bromofluorobenzene		86-118 SLSA		107%		1	
Toluene-d8		88-110 SLSA		108%		1	
Dibromofluoromethane		86-118 SLSA		101%		1	
DX: Value < lowest standard (MQL), but > than MDL							

Approved by:



Date:

8/10/10

Lab Report No.: 5563 Date: 08/10/2010

Page: 3

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: 5563-3						
Descr/Location: MW-3	Rec'd Date: 08/04/2010						
Sample Date: 08/02/2010	Prep Date: 08/09/2010						
Sample Time: 1705	Analysis Date: 08/09/2010						
Matrix: Water	QC Batch: 20100809						
Basis: Not Filtered	Notes:						
Analyte	Det Limit	Rep Limit	Note	Result	Units	Pvc Dil	
Methyl-tert-butyl ether (MTBE)	0.38	1.0 PQL		1.37	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		127.	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		112%		1	
Toluene-d8		88-110 SLSA		106%		1	
Dibromofluoromethane		86-118 SLSA		100%		1	

Approved by: _____



Date: _____

8/10/10

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: 5563-4						
Descr/Location: VRW-1	Rec'd Date: 08/04/2010						
Sample Date: 08/02/2010	Prep Date: 08/09/2010						
Sample Time: 1245	Analysis Date: 08/09/2010						
Matrix: Water	QC Batch: 20100809						
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		1.34	UG/L	1	
Toluene	0.25	0.50 PQL		0.77	UG/L	1	
Ethylbenzene	0.25	0.50 PQL		ND	UG/L	1	
Xylenes	0.25	0.50 PQL		0.96	UG/L	1	
SURROGATE AND INTERNAL STANDARD RECOVERIES:							
4-Bromofluorobenzene		86-118	SLSA	111%		1	
Toluene-d8		88-110	SLSA	108%		1	
Dibromofluoromethane		86-118	SLSA	102%		1	

Approved by: 

Date: 8/10/10

Lab Report No.: 5563 Date: 08/10/2010

Page: 5

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: 5563-5					
Descr/Location: VRW-2	Rec'd Date: 08/04/2010					
Sample Date: 08/03/2010	Prep Date: 08/09/2010					
Sample Time: 1135	Analysis Date: 08/09/2010					
Matrix: Water	QC Batch: 20100809					
Basis: Not Filtered	Notes:					
Analyte	Det Limit	Rep Limit	Note	Result	Units	Pvc Dil
Methyl-tert-butyl ether (MTBE)	0.76	2.0	PQL	DX	ND	UG/L 2
Ethyl tert-butyl ether (ETBE)	0.60	2.0	PQL		ND	UG/L 2
tert-Amyl methyl ether (TAME)	0.52	2.0	PQL		ND	UG/L 2
Di-isopropyl ether (DIPE)	0.74	2.0	PQL		ND	UG/L 2
tert-Butyl alcohol (TBA)	4.8	20.	PQL		ND	UG/L 2
1,2-Dichloroethane	0.60	1.0	PQL		ND	UG/L 2
1,2-Dibromoethane	0.60	1.0	PQL		ND	UG/L 2
Benzene	0.54	1.0	PQL		31.1	UG/L 2
Toluene	0.50	1.0	PQL		1.44	UG/L 2
Ethylbenzene	0.50	1.0	PQL		ND	UG/L 2
Xylenes	0.50	1.0	PQL		2.42	UG/L 2
SURROGATE AND INTERNAL STANDARD RECOVERIES:						
4-Bromofluorobenzene		86-118	SLSA		112%	1
Toluene-d8		88-110	SLSA		106%	1
Dibromofluoromethane		86-118	SLSA		100%	1
DX: Value < lowest standard (MQL), but > than MDL						

Approved by: _____



Date: _____

8/10/10

Lab Report No.: 5563 Date: 08/10/2010

Page: 6

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: 5563-6					
Descr/Location: VRW-3	Rec'd Date: 08/04/2010					
Sample Date: 08/03/2010	Prep Date: 08/09/2010					
Sample Time: 1215	Analysis Date: 08/09/2010					
Matrix: Water	QC Batch: 20100809					
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		28.9	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		0.87	UG/L	1
SURROGATE AND INTERNAL STANDARD RECOVERIES:						
4-Bromofluorobenzene		86-118 SLSA		112%		1
Toluene-d8		88-110 SLSA		108%		1
Dibromofluoromethane		86-118 SLSA		102%		1

Approved by: _____



Date: _____

8/10/10

Lab Report No.: 5563 Date: 08/10/2010

Page: 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:	VRW-4	Lab Samp ID:		5563-7			
Descr/Location:	VRW-4	Rec'd Date:		08/04/2010			
Sample Date:	08/03/2010	Prep Date:		08/09/2010			
Sample Time:	1010	Analysis Date:		08/09/2010			
Matrix:	Water	QC Batch:		20100809			
Basis:	Not Filtered	Notes:					
Analyte	Det Limit	Rep Limit	PQL	Note	Result	Units	Pvc Dil
Methyl-tert-butyl ether (MTBE)	3.8	10.	PQL		ND	UG/L	10
Ethyl tert-butyl ether (ETBE)	3.0	10.	PQL		ND	UG/L	10
tert-Amyl methyl ether (TAME)	2.6	10.	PQL		ND	UG/L	10
Di-isopropyl ether (DIPE)	3.7	10.	PQL		ND	UG/L	10
tert-Butyl alcohol (TBA)	24.	100.	PQL		ND	UG/L	10
1,2-Dichloroethane	3.0	5.0	PQL		ND	UG/L	10
1,2-Dibromoethane	3.0	5.0	PQL		ND	UG/L	10
Benzene	2.7	5.0	PQL		19.3	UG/L	10
Toluene	2.5	5.0	PQL	DX	ND	UG/L	10
Ethylbenzene	2.5	5.0	PQL		ND	UG/L	10
Xylenes	2.5	5.0	PQL		8.80	UG/L	10
SURROGATE AND INTERNAL STANDARD RECOVERIES:							
4-Bromofluorobenzene		86-118	SLSA		112%		1
Toluene-d8		88-110	SLSA		107%		1
Dibromofluoromethane		86-118	SLSA		99%		1
DX: Value < lowest standard (MQL), but > than MDL							

Approved by:



Date:

8/10/10

Lab Report No.: 5563 Date: 08/10/2010

Page: 8

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:		5563-8			
Descr/Location:	VRW-5	Rec'd Date:		08/04/2010			
Sample Date:	08/03/2010	Prep Date:		08/09/2010			
Sample Time:	1310	Analysis Date:		08/09/2010			
Matrix:	Water	QC Batch:		20100809			
Basis:	Not Filtered	Notes:					
Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Methyl-tert-butyl ether (MTBE)	0.76	2.0	PQL	DX	ND	UG/L	2
Ethyl tert-butyl ether (ETBE)	0.60	2.0	PQL		ND	UG/L	2
tert-Amyl methyl ether (TAME)	0.52	2.0	PQL		ND	UG/L	2
Di-isopropyl ether (DIPE)	0.74	2.0	PQL		ND	UG/L	2
tert-Butyl alcohol (TBA)	4.8	20.	PQL		ND	UG/L	2
1,2-Dichloroethane	0.60	1.0	PQL		ND	UG/L	2
1,2-Dibromoethane	0.60	1.0	PQL		ND	UG/L	2
Benzene	0.54	1.0	PQL		12.7	UG/L	2
Toluene	0.50	1.0	PQL		1.50	UG/L	2
Ethylbenzene	0.50	1.0	PQL		ND	UG/L	2
Xylenes	0.50	1.0	PQL		3.28	UG/L	2
SURROGATE AND INTERNAL STANDARD RECOVERIES:							
4-Bromofluorobenzene		86-118	SLSA		112%		1
Toluene-d8		88-110	SLSA		108%		1
Dibromofluoromethane		86-118	SLSA		97%		1
DX: Value < lowest standard (MQL), but > than MDL							

Approved by:



Date:

8/10/10

Lab Report No.: 5563 Date: 08/10/2010

Page: 9

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: 5563-9					
Descr/Location: VRW-6		Rec'd Date: 08/04/2010					
Sample Date: 08/02/2010		Prep Date: 08/09/2010					
Sample Time: 1200		Analysis Date: 08/09/2010					
Matrix: Water		QC Batch: 20100809					
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		57.4	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		1.15	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		1.03	UG/L	1	
SURROGATE AND INTERNAL STANDARD RECOVERIES:							
4-Bromofluorobenzene		86-118 SLSA		112%		1	
Toluene-d8		88-110 SLSA		108%		1	
Dibromofluoromethane		86-118 SLSA		102%		1	

Approved by:



Date:

8/10/10

Lab Report No.: 5563 Date: 08/10/2010

Page: 10

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-7	Lab Samp ID:		5563-10			
Descr/Location:	VRW-7	Rec'd Date:		08/04/2010			
Sample Date:	08/02/2010	Prep Date:		08/09/2010			
Sample Time:	1620	Analysis Date:		08/09/2010			
Matrix:	Water	QC Batch:		20100809			
Basis:	Not Filtered	Notes:					
Analyte	Det Limit	Rep Limit	Note	Result	Units	Pvc Dil	
Methyl-tert-butyl ether (MTBE)	0.76	2.0	PQL	ND	UG/L	2	
Ethyl tert-butyl ether (ETBE)	0.60	2.0	PQL	ND	UG/L	2	
tert-Amyl methyl ether (TAME)	0.52	2.0	PQL	ND	UG/L	2	
Di-isopropyl ether (DIPE)	0.74	2.0	PQL	ND	UG/L	2	
tert-Butyl alcohol (TBA)	4.8	20.	PQL	58.7	UG/L	2	
1,2-Dichloroethane	0.60	1.0	PQL	ND	UG/L	2	
1,2-Dibromoethane	0.60	1.0	PQL	ND	UG/L	2	
Benzene	0.54	1.0	PQL	3.82	UG/L	2	
Toluene	0.50	1.0	PQL	ND	UG/L	2	
Ethylbenzene	0.50	1.0	PQL	ND	UG/L	2	
Xylenes	0.50	1.0	PQL	1.21	UG/L	2	
SURROGATE AND INTERNAL STANDARD RECOVERIES:							
4-Bromofluorobenzene		86-118	SLSA	113%		1	
Toluene-d8		88-110	SLSA	108%		1	
Dibromofluoromethane		86-118	SLSA	100%		1	

Approved by:



Date:

8/10/10

Lab Report No.: 5563 Date: 08/10/2010

Page: 11

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:		5563-11			
Descr/Location:	VRW-8	Rec'd Date:		08/04/2010			
Sample Date:	08/02/2010	Prep Date:		08/09/2010			
Sample Time:	1525	Analysis Date:		08/09/2010			
Matrix:	Water	QC Batch:		20100809			
Basis:	Not Filtered	Notes:					
Analyte	Det Limit	Rep Limit	Note	Result	Units	Pvc Dil	
Methyl-tert-butyl ether (MTBE)	0.76	2.0 PQL		ND	UG/L	2	
Ethyl tert-butyl ether (ETBE)	0.60	2.0 PQL		ND	UG/L	2	
tert-Amyl methyl ether (TAME)	0.52	2.0 PQL		ND	UG/L	2	
Di-isopropyl ether (DIPE)	0.74	2.0 PQL		ND	UG/L	2	
tert-Butyl alcohol (TBA)	4.8	20. PQL		525	UG/L	2	
1,2-Dichloroethane	0.60	1.0 PQL		ND	UG/L	2	
1,2-Dibromoethane	0.60	1.0 PQL		ND	UG/L	2	
Benzene	0.54	1.0 PQL		3.04	UG/L	2	
Toluene	0.50	1.0 PQL		1.14	UG/L	2	
Ethylbenzene	0.50	1.0 PQL		ND	UG/L	2	
Xylenes	0.50	1.0 PQL		2.76	UG/L	2	
SURROGATE AND INTERNAL STANDARD RECOVERIES:							
4-Bromofluorobenzene		86-118	SLSA	111%		1	
Toluene-d8		88-110	SLSA	108%		1	
Dibromofluoromethane		86-118	SLSA	101%		1	

Approved by:



Date:

8/10/10

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: 5563-12		
Descr/Location: VRW-9	Rec'd Date: 08/04/2010		
Sample Date: 08/03/2010	Prep Date: 08/09/2010		
Sample Time: 0930	Analysis Date: 08/09/2010		
Matrix: Water	QC Batch: 20100809		
Basis: Not Filtered	Notes:		

Analyte	Det Limit	Rep Limit	Note	Result	Units	Pvc Dil
Methyl-tert-butyl ether (MTBE)	0.76	2.0 PQL		ND	UG/L	2
Ethyl tert-butyl ether (ETBE)	0.60	2.0 PQL		ND	UG/L	2
tert-Amyl methyl ether (TAME)	0.52	2.0 PQL		ND	UG/L	2
Di-isopropyl ether (DIPE)	0.74	2.0 PQL		ND	UG/L	2
tert-Butyl alcohol (TBA)	4.8	20. PQL		50.6	UG/L	2
1,2-Dichloroethane	0.60	1.0 PQL		ND	UG/L	2
1,2-Dibromoethane	0.60	1.0 PQL		ND	UG/L	2
Benzene	0.54	1.0 PQL		ND	UG/L	2
Toluene	0.50	1.0 PQL		ND	UG/L	2
Ethylbenzene	0.50	1.0 PQL		ND	UG/L	2
Xylenes	0.50	1.0 PQL		1.57	UG/L	2

SURROGATE AND INTERNAL STANDARD RECOVERIES:						
4-Bromofluorobenzene		86-118	SLSA		112%	1
Toluene-d8		88-110	SLSA		103%	1
Dibromofluoromethane		86-118	SLSA		99%	1

Approved by: William R. Gatz

Date: 8/10/10

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: 5563-1					
Descr/Location: MW-1	Rec'd Date: 08/04/2010					
Sample Date: 08/03/2010	Prep Date: 08/09/2010					
Sample Time: 1055	Analysis Date: 08/09/2010					
Matrix: Water	QC Batch: 08092010					
Basis: Not Filtered	Notes:					
Analyte	Det Limit	Rep Limit	Note	Result	Units	Pvc Dil
Gasoline Range Organics (C5-C12)	0.04	0.05 PQL		ND	MG/L	1
SURROGATE AND INTERNAL STANDARD RECOVERIES:						
4-Bromofluorobenzene		65-135 SLSA		81%		1

Approved by: William H. Gatz

Date: 8/10/10

Lab Report No.: 5563 Date: 08/10/2010

Page: 14

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: 5563-2					
Descr/Location: MW-2	Rec'd Date: 08/04/2010					
Sample Date: 08/02/2010	Prep Date: 08/09/2010					
Sample Time: 1400	Analysis Date: 08/09/2010					
Matrix: Water	QC Batch: 08092010					
Basis: Not Filtered	Notes:					
Analyte	Det Limit	Rep Limit	Note	Result	Units	Pvc Dil
Gasoline Range Organics (C5-C12)	0.040	0.100 PQL		1.0	MG/L	2
SURROGATE AND INTERNAL STANDARD RECOVERIES:						
4-Bromofluorobenzene		65-135 SLSA		90%		1

Approved by: William H. Gots

Date: 8/10/10

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: 5563-3					
Descr/Location: MW-3	Rec'd Date: 08/04/2010					
Sample Date: 08/02/2010	Prep Date: 08/09/2010					
Sample Time: 1705	Analysis Date: 08/09/2010					
Matrix: Water	QC Batch: 08092010					
Basis: Not Filtered	Notes:					
Analyte	Det Limit	Rep Limit	Note	Result	Units	Pvc Dil
Gasoline Range Organics (C5-C12)	0.04	0.05 PQL		0.14	MG/L	1
SURROGATE AND INTERNAL STANDARD RECOVERIES:						
4-Bromofluorobenzene		65-135 SLSA		83%		1

Approved by:  Date: 8/10/10

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: 5563-4					
Descr/Location: VRW-1	Rec'd Date: 08/04/2010					
Sample Date: 08/02/2010	Prep Date: 08/09/2010					
Sample Time: 1245	Analysis Date: 08/09/2010					
Matrix: Water	QC Batch: 08092010					
Basis: Not Filtered	Notes:					
Analyte	Det Limit	Rep Limit	Note	Result	Units	Pvc Dil
Gasoline Range Organics (C5-C12)	0.04	0.05 PQL		0.37	MG/L	1
SURROGATE AND INTERNAL STANDARD RECOVERIES:						
4-Bromofluorobenzene		65-135 SLSA		99%		1

Approved by: William H. Gatz

Date: 8/10/10

Lab Report No.: 5563 Date: 08/10/2010

Page: 17

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: 5563-5					
Descr/Location: VRW-2	Rec'd Date: 08/04/2010					
Sample Date: 08/03/2010	Prep Date: 08/09/2010					
Sample Time: 1135	Analysis Date: 08/09/2010					
Matrix: Water	QC Batch: 08092010					
Basis: Not Filtered	Notes:					
Analyte	Det Limit	Rep Limit	Note	Result	Units	Pvc Dil
Gasoline Range Organics (C5-C12)	0.040	0.100 PQL		1.4	MG/L	2
SURROGATE AND INTERNAL STANDARD RECOVERIES:						
4-Bromofluorobenzene		65-135 SLSA		105%		1

Approved by: 

Date: 8/10/10

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: 5563-6					
Descr/Location: VRW-3	Rec'd Date: 08/04/2010					
Sample Date: 08/03/2010	Prep Date: 08/09/2010					
Sample Time: 1215	Analysis Date: 08/09/2010					
Matrix: Water	QC Batch: 08092010					
Basis: Not Filtered	Notes:					
Analyte	Det Limit	Rep Limit	Note	Result	Units	Pvc Dil
Gasoline Range Organics (C5-C12)	0.04	0.05 PQL		0.29	MG/L	1
SURROGATE AND INTERNAL STANDARD RECOVERIES:						
4-Bromofluorobenzene		65-135 SLSA		82%		1

Approved by: 

Date: 8/10/10

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: 5563-7					
Descr/Location: VRW-4	Rec'd Date: 08/04/2010					
Sample Date: 08/03/2010	Prep Date: 08/09/2010					
Sample Time: 1010	Analysis Date: 08/09/2010					
Matrix: Water	QC Batch: 08092010					
Basis: Not Filtered	Notes:					
Analyte	Det Limit	Rep Limit	Note	Result	Units	Pvc Dil
Gasoline Range Organics (C5-C12)	0.100	0.250 PQL		1.2	MG/L	5
SURROGATE AND INTERNAL STANDARD RECOVERIES:						
4-Bromofluorobenzene		65-135 SLSA		89%		1

Approved by: William R. Gatz

Date: 8/10/10

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: 5563-8					
Descr/Location: VRW-5	Rec'd Date: 08/04/2010					
Sample Date: 08/03/2010	Prep Date: 08/09/2010					
Sample Time: 1310	Analysis Date: 08/09/2010					
Matrix: Water	QC Batch: 08092010					
Basis: Not Filtered	Notes:					
Analyte	Det Limit	Rep Limit	Note	Result	Units	Pvc Dil
Gasoline Range Organics (C5-C12)	0.040	0.100 PQL		1.5	MG/L	2
SURROGATE AND INTERNAL STANDARD RECOVERIES:						
4-Bromofluorobenzene		65-135 SLSA		120%		1

Approved by: William H. Potts

Date: 8/10/10

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: 5563-9					
Descr/Location: VRW-6	Rec'd Date: 08/04/2010					
Sample Date: 08/02/2010	Prep Date: 08/09/2010					
Sample Time: 1200	Analysis Date: 08/09/2010					
Matrix: Water	QC Batch: 08092010					
Basis: Not Filtered	Notes:					
Analyte	Det Limit	Rep Limit	Note	Result	Units	Pvc Dil
Gasoline Range Organics (C5-C12)	0.04	0.05 PQL		0.28	MG/L	1
SURROGATE AND INTERNAL STANDARD RECOVERIES:						
4-Bromofluorobenzene		65-135 SLSA		83%		1

Approved by: William H. Gatz

Date: 8/10/10

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-7	Lab Samp ID: 5563-10					
Descr/Location: VRW-7	Rec'd Date: 08/04/2010					
Sample Date: 08/02/2010	Prep Date: 08/09/2010					
Sample Time: 1620	Analysis Date: 08/09/2010					
Matrix: Water	QC Batch: 08092010					
Basis: Not Filtered	Notes:					
Analyte	Det Limit	Rep Limit	Note	Result	Units	Pvc Dil
Gasoline Range Organics (C5-C12)	0.04	0.05 PQL		0.36	MG/L	1
SURROGATE AND INTERNAL STANDARD RECOVERIES:						
4-Bromofluorobenzene		65-135 SLSA		77%		1

Approved by: William H. Gatz

Date: 8/10/10

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: 5563-11					
Descr/Location: VRW-8	Rec'd Date: 08/04/2010					
Sample Date: 08/02/2010	Prep Date: 08/09/2010					
Sample Time: 1525	Analysis Date: 08/09/2010					
Matrix: Water	QC Batch: 08092010					
Basis: Not Filtered	Notes:					
Analyte	Det Limit	Rep Limit	Note	Result	Units	Pvc Dil
Gasoline Range Organics (C5-C12)	0.040	0.100 PQL		0.95	MG/L	2
SURROGATE AND INTERNAL STANDARD RECOVERIES:						
4-Bromofluorobenzene		65-135 SLSA		88%		1

Approved by: William H. Gatz

Date: 8/10/10

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: 5563-12					
Descr/Location: VRW-9	Rec'd Date: 08/04/2010					
Sample Date: 08/03/2010	Prep Date: 08/09/2010					
Sample Time: 0930	Analysis Date: 08/09/2010					
Matrix: Water	QC Batch: 08092010					
Basis: Not Filtered	Notes:					
Analyte	Det Limit	Rep Limit	Note	Result	Units	Pvc Dil
Gasoline Range Organics (C5-C12)	0.020	0.050 PQL		0.68	MG/L	1
SURROGATE AND INTERNAL STANDARD RECOVERIES:						
4-Bromofluorobenzene		65-135 SLSA		81%		1

Approved by: 

Date: 8/10/10

QA/QC Report Method Blank Summary

Bace Analytical, Windsor, CA

Lab Report No.: 5563 Date: 08/10/2010

Page: 25

QC Batch: 08092010	Analysis: CA LUFT Method for Gasoline Range
Matrix: Water	Method: CATPH-G
Lab Samp ID: 5563MB	Prep Meth: SW5030B
Analysis Date: 08/09/2010	Prep Date: 08/09/2010
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		87%		1

QA/QC Report
Matrix Spike/Duplicate Matrix Spike Summary

Bace Analytical, Windsor, CA

Lab Report No.: 5563 Date: 08/10/2010

Page: 26

QC Batch: 08092010 Matrix: Water Lab Samp ID: 5563MS Basis: Not Filtered	Project Name: 1735 24TH ST. Project No.: 029 Field ID: MW-3 Lab Ref ID: 5563-3
---	---

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	0.50	0.50	0.14	0.560	0.588	MG/L	84.0	89.6	6.5	140-60	MSA	25MSP
4-Bromofluorobenzene	CATPH-G	100.	100.	83.	84.	89.	PERCENT	84.0	89.0	5.8	135-65	SLSA	20SLSP

QA/QC Report Method Blank Summary

Bace Analytical, Windsor, CA

Lab Report No.: 5563 Date: 08/10/2010

Page: 27

QC Batch: 20100809 Matrix: Water Lab Samp ID: 5563MB Analysis Date: 08/09/2010 Basis: Not Filtered	Analysis: VOCs by GC/MS Fuel Additives Plus BTEX Method: 8260FAB Prep Meth: SW5030B Prep Date: 08/09/2010 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	113%		1
Toluene-d8		88-110	SLSA	108%		1
Dibromofluoromethane		86-118	SLSA	101%		1

QA/QC Report
Matrix Spike/Duplicate Matrix Spike Summary

Bace Analytical, Windsor, CA

Lab Report No.: 5563 Date: 08/10/2010

Page: 28

QC Batch: 20100809	Project Name: 1735 24TH ST.
Matrix: Water	Project No.: 029
Lab Samp ID: 5563MS	Field ID: MW-1
Basis: Not Filtered	Lab Ref ID: 5563-1

Analyte	Analysis Method	Spike Level		Sample Result	Spike Result		Units	% Recoveries			Acceptance Criteria		
		MS	DMS		MS	DMS		MS	DMS	RPD	% Rec	RPD	
1,2-Dibromoethane	8260FAB	10.0	10.0	ND	8.67	8.54	UG/L	86.7	85.4	1.5	130-70	MSA	20MSP
1,2-Dichloroethane	8260FAB	10.0	10.0	ND	9.69	9.45	UG/L	96.9	94.5	2.5	130-70	MSA	20MSP
Benzene	8260FAB	10.0	10.0	ND	8.91	8.83	UG/L	89.1	88.3	0.90	127-76	MSA	20MSP
Di-isopropyl ether (DIPE)	8260FAB	10.0	10.0	ND	10.4	9.93	UG/L	104	99.3	4.6	140-60	MSA	20MSP
Ethyl tert-butyl ether (ETBE)	8260FAB	10.0	10.0	ND	10.1	9.80	UG/L	101	98.0	3.0	140-60	MSA	20MSP
Ethylbenzene	8260FAB	10.0	10.0	ND	8.55	8.47	UG/L	85.5	84.7	0.94	130-70	MSA	20MSP
Methyl-tert-butyl ether (MTBE)	8260FAB	10.0	10.0	ND	10.3	10.1	UG/L	103	101	2.0	140-60	MSA	20MSP
Toluene	8260FAB	10.0	10.0	ND	8.95	8.84	UG/L	89.5	88.4	1.2	125-76	MSA	20MSP
Xylenes	8260FAB	30.0	30.0	ND	26.1	25.8	UG/L	87.0	86.0	1.2	130-70	MSA	25MSP
tert-Amyl methyl ether (TAME)	8260FAB	10.0	10.0	ND	9.05	8.84	UG/L	90.5	88.4	2.3	140-60	MSA	20MSP
tert-Butyl alcohol (TBA)	8260FAB	50.0	50.0	ND	53.7	53.7	UG/L	107	107	0.00	140-60	MSA	25MSP
4-Bromofluorobenzene	8260FAB	100.	100.	112.	110.	109.	PERCENT	110	109	0.91	118-86	SLSA	20SLSP
Dibromofluoromethane	8260FAB	100.	100.	103.	101.	100.	PERCENT	101	100	1.0	118-86	SLSA	20SLSP
Toluene-d8	8260FAB	100.	100.	106.	104.	103.	PERCENT	104	103	0.97	110-88	SLSA	20SLSP

Chain of Custody

Project # 29	Project Address 1735 24th Street, Oakland, CA				C o u n t a i n e r s	Analysis										C.O.C. No. 12867			
BG No.	Sampler's Signature E. Dechamps					TPH-Gas 82608- (BTEX) (SVCS)											Remarks:		
Date Sampled	Sample I.D.	Time (24 Hour)	Sample Type																
8-3-10	mw-1 ✓	1055	H ₂ O	4	+	+													
8-2-10	mw-2 ✓	1400	↓	4	+	+													5563-1
8-2-10	mw-3 ✓	1705		4	+	+													-2
8-2-10	VRW-1 ✓	1245		4	+	+													-3
8-3-10	VRW-2 ✓	1135		4	+	+													-4
8-3-10	VRW-3 ✓	1215		4	+	+													-5
8-3-10	VRW-4 ✓	1010		4	+	+													-6
8-3-10	VRW-5 ✓	1310		4	+	+													-7
8-2-10	VRW-6 ✓	1200		4	+	+													-8
8-2-10	VRW-7 ✓	1620		3	+	+													-9
8-2-10	VRW-8 ✓	1525		3	+	+													-10
8-3-10	VRW-9 ✓	0930		4	+	+													-11
Laboratory: BASF					Preservation: A <u>HCL</u> B - HNO ₃ ; C <u>Ice</u> (Specify) TAT: R; <u>2-WK</u> Urgent; Immediate (Specify)														
Relinquished by: (signed) E. Dechamps		Date/Time: 8/4/10 0900		Received by: (signed) [Signature] 8/4/10 905			Results To: (Office Use Only) Bill Coset EDF			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) [Signature]			Global ID: (Office Use Only)												
Relinquished by: (signed)		Date/Time:		Received for Laboratory by: (signed)															