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Brunsing Associates, Inc.

Alameda County

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Environmental Health

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Project No. 029

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

Groundwater Monitoring Report
July 2005
Pacific Supply Company
1735 24th Street
Oakland, California

Dear Mr. Hwang:

This correspondence has been prepared by Brunsing Associates, Inc. (BAI) to provide a report summarizing the fieldwork completed at 1735 24th Street, Oakland, California on July 20, 21, and 22, 2005, and the results of the laboratory analyses of the groundwater samples collected. The fieldwork was completed in accordance with the Alameda County Health Care Services Agency (ACHCSA) correspondence dated November 6, 2003.

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.

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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 eight 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 two-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 seven to ten feet bgs (Plate 2). From each boring, one soil sample was retained from a

depth of approximately seven to eight 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 seven 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 3 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 and flow directions for July 2005 are provided on Plate 3.

Scope of Work

The scope of work performed for this sampling event included collecting groundwater samples for laboratory analysis from monitoring wells MW-1 through MW-3, and vapor extraction wells VRW-1 through VRW-9. The groundwater sampling was completed on July 20 through 22, 2005. Prior to sampling, groundwater levels were measured in the 12 wells on July 20, 2005. The groundwater sampling protocol and field logs are included in Appendix A. BACE Analytical & Field Services (BAFS) analyzed the groundwater samples for total petroleum hydrocarbons (TPH) as gasoline and for benzene, toluene, ethylbenzene, and xylenes by EPA Test Method 8260. The groundwater analytical report for the groundwater samples is presented in Appendix B.

Groundwater Flow Direction

Groundwater elevations and flow directions are presented on Plate 3. The groundwater flow direction was predominately to the north, with the highest elevation observed in well VRW-4. The groundwater elevation measured in well VRW-4 was slightly higher

than the adjacent wells, causing a local mounding effect in this area. Using data for wells MW-2, VRW-3, and VRW-8, the groundwater flow direction was towards the north and the gradient was approximately 0.002 foot per foot (ft/ft).

Discussion of Groundwater Analytical Results

Petroleum hydrocarbons were reported in all of the groundwater samples except for those collected from wells MW-1 and MW-3. TPH as gasoline was reported in the samples collected from wells MW-2 and VRW-1 through VRW-9 at concentrations ranging from 0.11 to 19 mg/l. BTEX were reported in the VRW-2, VRW-4, VRW-5, VRW-6, and VRW-7 samples at concentrations ranging from 0.84 to 3,740 µg/l. Benzene, toluene, and xylenes were also reported in the samples collected from wells VRW-1 and VRW-8. The groundwater samples collected from wells VRW-3 also contained 2.02 µg/l of toluene. The MW-2 sample contained TPH as gasoline at 2.7 mg/l, benzene at 5.84 µg/l, and xylenes at 5.81 µg/l. The highest TPH as gasoline and BTEX concentrations were reported in the sample collected from well VRW-4.

Conclusion

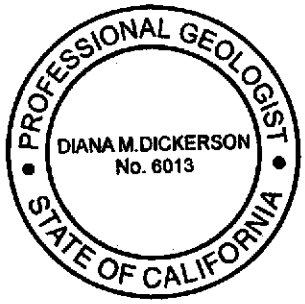
The petroleum hydrocarbons reported in the July 2005 groundwater sample collected from well VRW-4 significantly increased compared to the December 2004 reported concentrations. Although the current TPH as gasoline concentration is the highest reported to date for this well, benzene concentrations have been reported higher three times (Table 2). The TPH as gasoline and benzene concentrations reported in the VRW-2 and VRW-5 samples also increased significantly compared to the December 2004 data.

BAI is currently waiting for the ACHCSA response to the January 31, 2005 report titled "Soil Parameters and Confirmation Soil Sampling Investigation Report". Groundwater sampling is currently scheduled for December 2005. A report summarizing the results of the December 2005 monitoring event will be provided after the analytical results have been obtained and reviewed by BAI. Because petroleum hydrocarbons have not been reported in the recent groundwater samples collected from wells MW-1 and MW-3, BAI recommends that these wells no longer be sampled.

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

Sincerely,

Diana M. Dickerson, P.G., R.E.A.
Principal Geologist



David E. Conley, P.G.
Senior Geologist

cc: Ms. Normita Callison

LIST OF ATTACHMENTS

TABLE 1. SUMMARY OF GROUNDWATER ANALYTICAL DATA FOR MONITORING WELLS

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

Well Name	Sampling 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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Well Name	Sampling 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	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	–	–
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	–	–

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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
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	–	–

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

Well Name	Sampling 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	6.73	2.34	**0.072**	<0.5	<0.5	<0.5	<0.5	–	<5.0

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

Well Name	Sampling 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	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	Sampling 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	–	–	–	–	–	–	–

TABLE 1. SUMMARY OF GROUNDWATER ANALYTICAL DATA FOR MONITORING WELLS

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

Well Name	Sampling 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	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	–	–	–	–	–	–	–
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.

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

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

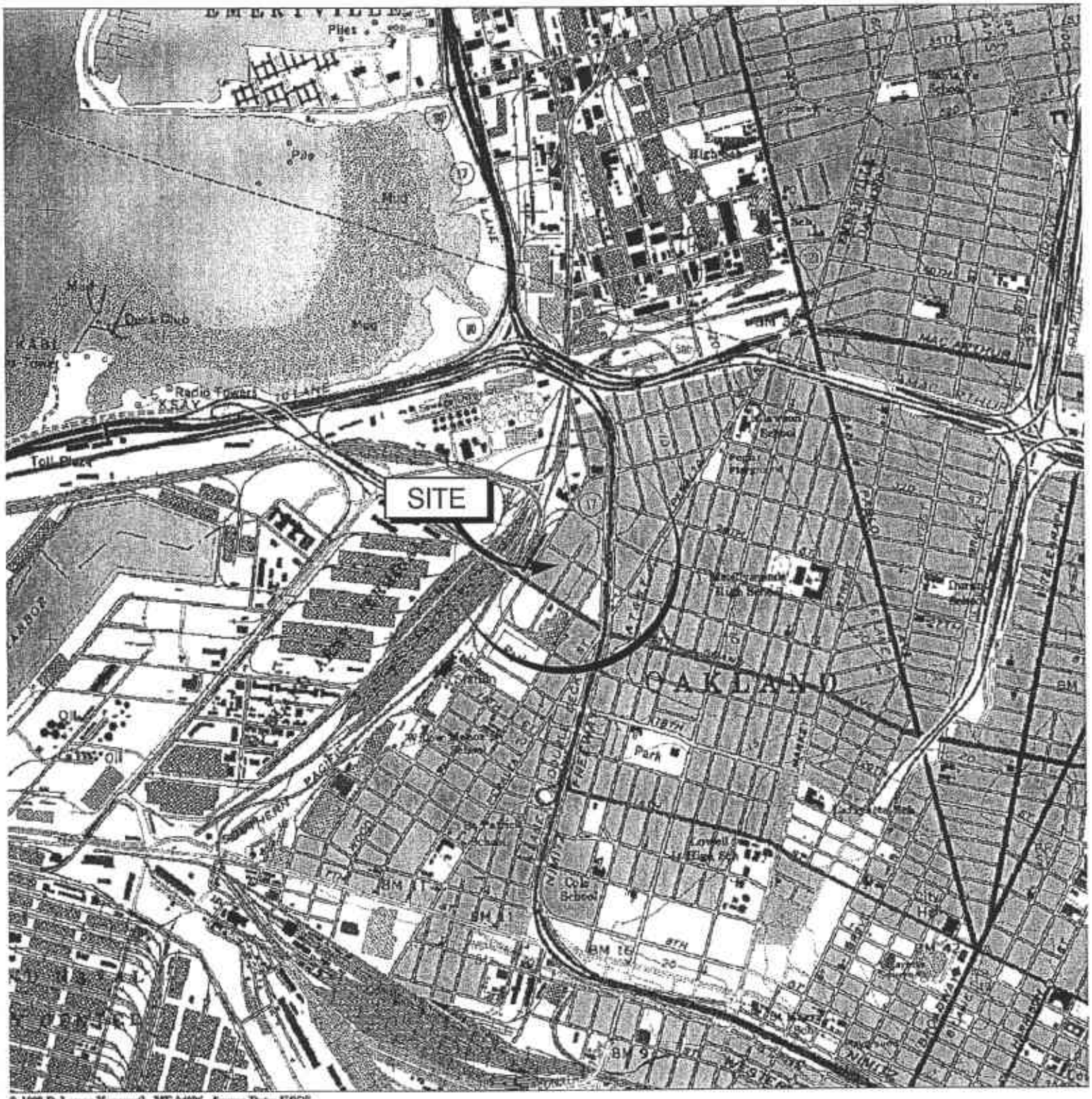
Sample ID	Sample Collection Date	Depth to Groundwater (feet)	Top of Casing Elevation (feet, MSL)	Groundwater Elevation (feet, MSL)	TPH as gasoline (mg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	Other Oxygenates & Lead Scavengers (µg/L)
VRW-1	11/3/1993	–	–	–	3	1600	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-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-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-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-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	-	-

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

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

Sample ID	Sample Collection 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-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-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	11.7	4.16	0.34	28	<3	<3	5.0	-	-
VRW-7	7/21/2005	7.54	11.7	4.16	1.7	48.1	2.76	2.56	6.94	-	-
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-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	-	-

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.



© 1999 DeLorme Yarmouth, ME 04096 Source Data: USGS

700 ft Scale: 1 : 24,000 Detail: 13-0 Datum: NAD27

NORTH

APPROXIMATE SCALE (FEET)

0 1000 2000 4000

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

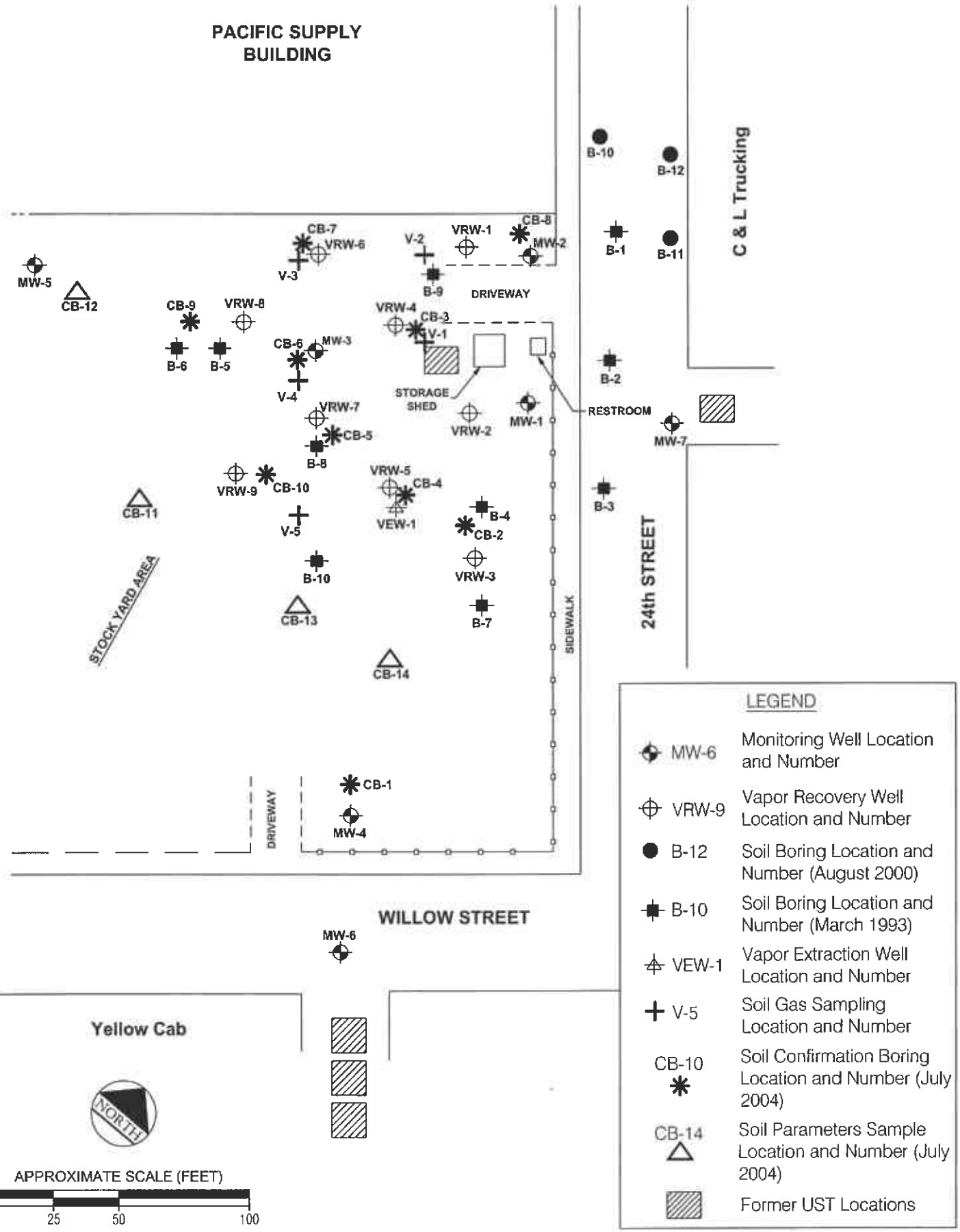
Job No.: 029.2

Appr.:

Date: 1/8/04

VICINITY MAP
PACIFIC SUPPLY COMPANY
Oakland, California

PLATE
1



Brunsing Associates, Inc.
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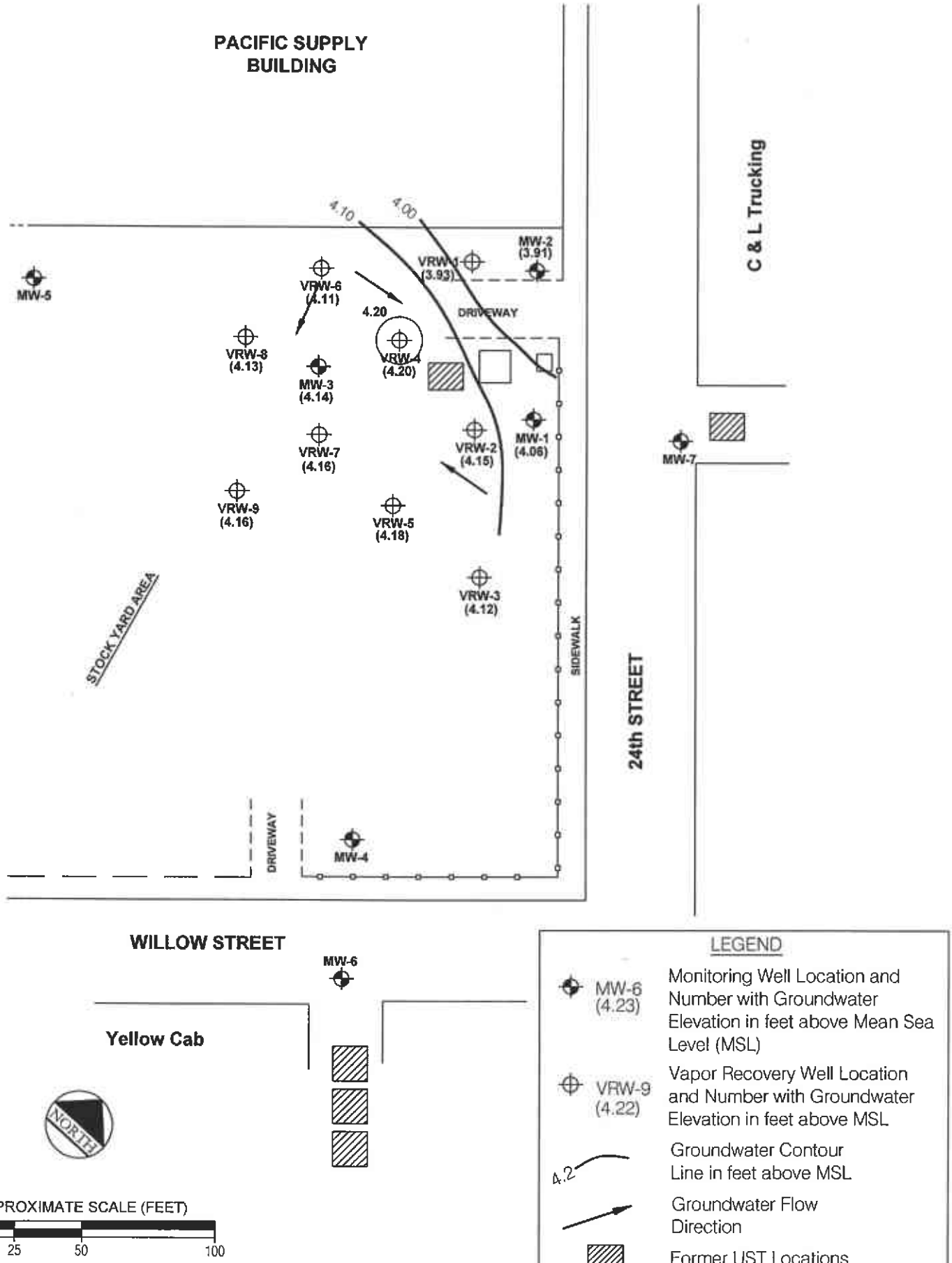
Tel: (707) 838-3027

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

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

PLATE
2



Brunsing Associates, Inc.
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Job No.: 29
Appr.:
Date: 3/5/05

GROUNDWATER ELEVATIONS
JULY 20, 2005
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 stabile. 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 labelled 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.

Brunsing Associates, Inc

FILE COPY

UST Fund Site: ___ Yes X No

FIELD REPORT

PAGE 1 OF 4

JOB NO: 29
INITIAL: CDS
DATE: 7-20-05
PROJECT: PACIFIC SUPPLY 1735 24TH STREET, OAKLAND, CA.
SUBJECT: GROUNDWATER SAMPLING
PROJECT PHASE NUMBER: 04
VEHICLE USED: FORD F-150

Total Time: 8.50
End. Mileage: 85
Beg. Mileage: 173.013
TOTAL MILEAGE: 72

TIME	DESCRIPTION OF WORK AND CONVERSATION RECORD:
0544	LOAD EQUIPMENT AND SUPPLIES.
0636	TO SITE.
0803	ARRIVE AT SITE SET-UP FOR GROUNDWATER SAMPLING.
	ACCESSED WELLS TO BE SAMPLED.
	MEASURED TWO-ROUNDS OF DISTANCE TO WATER AT WELLS MW-1,
	MW-2, MW-3, VRW-1, VRW-2, VRW-3, VRW-4, VRW-5
	VRW-6, VRW-7, VRW-8 AND VRW-9.
	PERFORMED SAMPLING AT WELLS MW-3 AND VRW-4.
	STORED PURGEWATER IN DRUM LOCATED IN THE FORMER
	REMEDIATION SYSTEM COMPOUND AREA.
	CLOSED WELLS AND MONUMENTS
	DECON SAMPLING EQUIPMENT.
	LOAD EQUIPMENT AND SUPPLIES.
	COMPLETED FIELD NOTES AND LOGGED SAMPLES ON CHAIN OF CUSTODY.
1430	LEAVE SITE.
1452	TRAVEL; FINISHED WITH WORK

DRUM COUNT:

Water = 1
Soil =
Devlpmt Water =
Decon Water =

Brunsing Associates, Inc.

WATER LEVELS

PROJECT: PACIFIC SUPPLY PROJECT NUMBER: 29

INSTRUMENT TYPE: ET(WLP) INITIALS: CDS DATE: 7-20-05

WELL NUMBER	DEPTH TO PRODUCT	DISTANCE TO WATER	TIME (24 HOUR)	EQUILIBRATED (CHECK FOR YES)	NOTES
MW-1	Ø	7.41	1009		
MW-2	Ø	6.89	1013		
MW-3	Ø	7.62	1032		
VRW-1	Ø	7.24	1014		
VRW-2	Ø	6.93	1036		
VRW-3	Ø	7.49	1006		
VRW-4	Ø	7.12	1018		
VRW-5	Ø	7.37	1008		
VRW-6	Ø	7.31	1025		
VRW-7	Ø	7.54	1031		
VRW-8	Ø	7.49	1027		
VRW-9	Ø	7.72	1030		
MW-1	Ø	7.41	1039	✓	
MW-2	Ø	6.89	1040	✓	
MW-3	Ø	7.62	1050	✓	
VRW-1	Ø	7.25	1041	✓	
VRW-2	Ø	6.93	1053	✓	
VRW-3	Ø	7.50	1038	✓	
VRW-4	Ø	7.12	1043	✓	
VRW-5	Ø	7.38	1052	✓	
VRW-6	Ø	7.32	1044	✓	
VRW-7	Ø	7.54	1048	✓	
VRW-8	Ø	7.49	1046	✓	
VRW-9	Ø	7.71	1047	✓	

BRUNSING ASSOCIATES, INC.
ENVIRONMENTAL DIVISION
WELL SAMPLING

SHEET 3 OF 4

PROJECT: Pacific Supply PROJECT NUMBER: 29

WELL # MW-3 PRECIP. IN LAST 5 DAYS: — WIND ~ DATE: 7-20-05

STARTING TIME: 1136 FINISHING TIME: 1232 INITIALS: CDS

CALCULATION OF PURGE VOLUME

2" WELL	DEPTH: 16.00	- D.T.W.	7.62	= H20 COLUMN:	8.38	X 0.5 =	4.19	GALLONS
4" WELL	DEPTH:	- D.T.W.		= H20 COLUMN:		X 2.0 =		

THEREFORE TOTAL PURGE GALLONS EQUALS 4

FIELD MEASUREMENTS

TIME	GALLONS REMOVED	pH	CONDUCTIVITY	TEMP.	OBSERVATIONS
1157	1	7.26	*Or	23.5	CLEAR/YELLOW-BROWN, ORGANIC ODOR
1201	2.5	7.53	*Or	23.5	CLOUDY YELLOW-BROWN, ORGANIC ODOR, SANDY
1204	4	7.52	*Or	23.2	CLOUDY YELLOW-BROWN, ORGANIC ODOR, SANDY

SAMPLING: SAMPLE ANALYSIS: TPH GAS | | BTEX | | | |

SAMPLE TIME: 1217 DID WELL GO DRY? NO

WATER LEVELS:	
TIME	D.T.W.
1222	8.32

NOTES:

Or: OUT OF RANGE >3999 µS

BRUNSING ASSOCIATES, INC.
ENVIRONMENTAL DIVISION
WELL SAMPLING

SHEET 4 OF 4

PROJECT: Pacific Supply PROJECT NUMBER: 29

WELL # VEW-4 PRECIP. IN LAST 5 DAYS: —— WIND ✓ DATE: 7-20-05

STARTING TIME: 1054 FINISHING TIME: 1310 INITIALS: CDS

CALCULATION OF PURGE VOLUME

2" WELL DEPTH: [ ] - D.T.W. [ ] = H20 COLUMN: [ ] X 0.5 = [ ]

4" WELL DEPTH: [20.00] - D.T.W. [7.12] = H20 COLUMN: [12.88] X 2.0 = [25.76]

THEREFORE TOTAL PURGE GALLONS EQUALS [26] GALLONS

FIELD MEASUREMENTS

TIME	GALLONS REMOVED	pH	CONDUCTIVITY	TEMP.	OBSERVATIONS
1116	1	6.86	2428	25.7	CLEAR, ORGANIC ODOR
1126	7	7.39	* OR	23.3	TURBID BROWN, ORGANIC ODOR, SANDY
1134	16	7.66	3908	22.1	TURBID BROWN, ORGANIC ODOR, SANDY

SAMPLING: SAMPLE ANALYSIS: [TPH-GAS] [ ] [BTEX] [ ] [ ] [ ]

SAMPLE TIME: [1253] DID WELL GO DRY? [YES]

WATER LEVELS:	
TIME	D.T.W.
1135	19.10
1235	7.21
1258	8.08

NOTES:

* OR : OUT OF RANGE, 7.3999 pS

Brunsing Associates, Inc

FILE COPY

UST Fund Site: ___Yes X No

FIELD REPORT

JOB NO: 29
INITIAL: CDS
DATE: 7-21-05
PROJECT: PACIFIC SUPPLY 1735 24TH STREET, OAKLAND, CA
SUBJECT: GROUNDWATER SAMPLING
PROJECT PHASE NUMBER: 04
VEHICLE USED: FORD F-150

PAGE 1 OF 8
Total Time: 9.00
End. Mileage: 96
Beg. Mileage: 173085
TOTAL MILEAGE: 11

TIME	DESCRIPTION OF WORK AND CONVERSATION RECORD:
0629	TO SITE.
0650	ARRIVE AT SITE. SET-UP FOR GROUNDWATER SAMPLING.
	PERFORMED SAMPLING AT WELLS MW-1, VRW-2, VRW-5, VRW-6,
	VRW-7, VRW-8 AND VRW-9.
	STORED PURGEWATER IN DRUMS LOCATED AT THE FORMER SYSTEM
	COMPOUND AREA.
	CLOSED WELLS AND MONUMENTS.
	DECON SAMPLING EQUIPMENT.
	LOAD EQUIPMENT AND SUPPLIES.
	COMPLETED FIELD NOTES AND LOGGED SAMPLES ON CHAIN OF CUSTODY.
1505	LEAVE SITE.
1526	TRAVEL. FINISHED WITH WORK

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

Brunsing Associates, Inc.

BRUNSING ASSOCIATES, INC.
ENVIRONMENTAL DIVISION
WELL SAMPLING

SHEET 2 OF 8

PROJECT: Pacific Supply PROJECT NUMBER: 29

WELL # MW-1 PRECIP. IN LAST 5 DAYS: — WIND — DATE: 7-21-05

STARTING TIME: 0947 FINISHING TIME: 1038 INITIALS: CDS

CALCULATION OF PURGE VOLUME

2" WELL DEPTH: 19.00 - D.T.W. 7.41 = H20 COLUMN: 11.59 X 0.5 = 5.80

4" WELL DEPTH: — - D.T.W. — = H20 COLUMN: — X 2.0 = —

THEREFORE TOTAL PURGE GALLONS EQUALS 6 GALLONS

FIELD MEASUREMENTS

TIME	GALLONS REMOVED	pH	CONDUCTIVITY	TEMP.	OBSERVATIONS
1004	1	7.53	*Or	20.8	CLOUDY YELLOW-BROWN, ORGANIC ODOR,
					SEDIMENT
1008	3	7.41	*Or	20.2	TURBID GREY-BLACK, ORGANIC ODOR, SEDIMENT
1013	6	7.47	3949	19.7	TURBID BLACK, ORGANIC ODOR, SEDIMENT

SAMPLING: SAMPLE ANALYSIS: TPH-GAS | | BTEX | | | |

SAMPLE TIME: 1026 DID WELL GO DRY? No

WATER LEVELS:	
TIME	D.T.W.
1030	11.21

NOTES:

* Or: OUT OF RANGE, > 3999 µS

BRUNSING ASSOCIATES, INC.
ENVIRONMENTAL DIVISION
WELL SAMPLING

SHEET 3 OF 8

PROJECT: Pacific Supply PROJECT NUMBER: 29

WELL # VEW-2 PRECIP. IN LAST 5 DAYS: — WIND — DATE: 7-21-05

STARTING TIME: 0824 FINISHING TIME: 0946 INITIALS: CDS

CALCULATION OF PURGE VOLUME

2" WELL DEPTH: [ ] - D.T.W. [ ] = H20 COLUMN: [ ] X 0.5 = [ ]

4" WELL DEPTH: [20.00] - D.T.W. [6.93] = H20 COLUMN: [13.07] X 2.0 = [26.14]

THEREFORE TOTAL PURGE GALLONS EQUALS [26] GALLONS

FIELD MEASUREMENTS

TIME	GALLONS REMOVED	pH	CONDUCTIVITY	TEMP.	OBSERVATIONS
0854	1	7.34	*OR	19.9	HY CLEAR, ORGANIC ODOR
0908	13	7.91	*OR	21.1	TURBID GREEN-BROWN, ORGANIC ODOR
					SEDIMENT, SANDY
0917	26	7.44	3826	21.2	TURBID GREEN-BROWN, ORGANIC ODOR
					SEDIMENT, SANDY.

SAMPLING: SAMPLE ANALYSIS: [TPH-GAS] [ ] [BTEX] [ ] [ ] [ ]

SAMPLE TIME: [0926] DID WELL GO DRY? [No]

WATER LEVELS:

TIME	D.T.W.
0940	9.55

NOTES:

* OR: OUT OF RANGE, >3999 µS

BRUNSING ASSOCIATES, INC.
ENVIRONMENTAL DIVISION
WELL SAMPLING

SHEET 4 OF 8

PROJECT: Pacific Supply PROJECT NUMBER: 29

WELL #VRW-5 PRECIP. IN LAST 5 DAYS: — WIND ✓ DATE: 7-21-05

STARTING TIME: 1342 FINISHING TIME: 1434 INITIALS: CDS

CALCULATION OF PURGE VOLUME

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

4" WELL DEPTH: [20.00] - D.T.W. [7.38] = H2O COLUMN: [12.62] X 2.0 = [25.24]

THEREFORE TOTAL PURGE GALLONS EQUALS [25] GALLONS

FIELD MEASUREMENTS

TIME	GALLONS REMOVED	pH	CONDUCTIVITY	TEMP.	OBSERVATIONS
1250	1	7.31	*Or	20.6	TURBID GREY-BLACK, ORGANIC ODOR, SEDIMENT
1358	12	7.28	*Or	18.9	TURBID GREY-GREEN, ORGANIC ODOR, SEDIMENT
1406	25	7.26	3941	18.4	TURBID GREY-BLACK, ORGANIC ODOR, SEDIMENT

SAMPLING: SAMPLE ANALYSIS: [TPH-GAS] [ ] [BTEX] [ ] [ ] [ ]

SAMPLE TIME: [1418] DID WELL GO DRY? [NO]

WATER LEVELS:	
TIME	D.T.W.
1422	7.52

NOTES:

* Or: OUT OF RANGE, 7 3999 µS

BRUNSING ASSOCIATES, INC.
ENVIRONMENTAL DIVISION
WELL SAMPLING

SHEET 5 OF 8

PROJECT: PACIFIC SUPPLY PROJECT NUMBER: 29

WELL # VRW-6 PRECIP. IN LAST 5 DAYS: — WIND — DATE: 7-21-05

STARTING TIME: 0746 FINISHING TIME: 1341 INITIALS: CDS

CALCULATION OF PURGE VOLUME

2" WELL DEPTH: [ ] - D.T.W. [ ] = H20 COLUMN: [ ] X 0.5 = [ ]

4" WELL DEPTH: [20.00] - D.T.W. [7.32] = H20 COLUMN: [12.68] X 2.0 = [25.36]

THEREFORE TOTAL PURGE GALLONS EQUALS [25] GALLONS

FIELD MEASUREMENTS

TIME	GALLONS REMOVED	pH	CONDUCTIVITY	TEMP.	OBSERVATIONS
0811	1	7.16	3987	19.2	CLEAR, ORGANIC ODOR
0816	9	7.19	*Or	19.6	CLOUDY GREEN-BROWN, ORGANIC ODOR, SANDY
0822	15	7.26	*Or	19.7	TURBID GREEN-BROWN, ORGANIC ODOR, SANDY

SAMPLING: SAMPLE ANALYSIS: TPH GAS [ ] BTEX [ ] [ ] [ ]

SAMPLE TIME: 1329 DID WELL GO DRY? YES

WATER LEVELS:	
TIME	D.T.W.
0823	19.17
0923	16.02
1023	15.07
1337	12.72

NOTES:

* Or: OUT OF RANGE >3999 µS

BRUNSING ASSOCIATES, INC.
ENVIRONMENTAL DIVISION
WELL SAMPLING

SHEET 6 OF 8

PROJECT: Pacific Supply PROJECT NUMBER: 29

WELL # VRW-7 PRECIP. IN LAST 5 DAYS: — WIND — DATE: 7-21-05

STARTING TIME: 0651 FINISHING TIME: 1309 INITIALS: CDS

CALCULATION OF PURGE VOLUME

2" WELL DEPTH: [ ] - D.T.W. [ ] = H20 COLUMN: [ ] X 0.5 = [ ]

4" WELL DEPTH: [20.00] - D.T.W. [7.54] = H20 COLUMN: [12.46] X 2.0 = [24.92]

THEREFORE TOTAL PURGE GALLONS EQUALS [25] GALLONS

FIELD MEASUREMENTS

TIME	GALLONS REMOVED	pH	CONDUCTIVITY	TEMP.	OBSERVATIONS
0732	1	9.11	*Or	20.1	CLEAR YELLOW-BROWN, ORGANIC ODOR, SHEEN
0738	7	7.25	*Or	20.7	TURBID GREEN-BROWN, ORGANIC ODOR, SHEEN,
					SANDY
0743	14	7.34	*Or	20.7	TURBID GREEN-BROWN, ORGANIC ODOR, SHEEN,
					SANDY.

SAMPLING: SAMPLE ANALYSIS: [TPH-GAS] [ ] [BTEX] [ ] [ ] [ ]

SAMPLE TIME: [1303] DID WELL GO DRY? [YES]

WATER LEVELS:	
TIME	D.T.W.
0745	19.35
0805	11.01
0945	8.62
1307	8.23

NOTES:

Or. out of RANGE 73999 JS

BRUNSING ASSOCIATES, INC.
ENVIRONMENTAL DIVISION
WELL SAMPLING

SHEET 7 OF 8

PROJECT: Pacific Supply PROJECT NUMBER: 29

WELL # VRW-8 PRECIP. IN LAST 5 DAYS: — WIND — DATE: 7-21-05

STARTING TIME: 1039 FINISHING TIME: 1133 INITIALS: CDS

CALCULATION OF PURGE VOLUME

2" WELL DEPTH: [ ] - D.T.W. [ ] = H20 COLUMN: [ ] X 0.5 = [ ]

4" WELL DEPTH: [20.00] - D.T.W. [7.49] = H20 COLUMN: [12.51] X 2.0 = [25.02]

THEREFORE TOTAL PURGE GALLONS EQUALS [25] GALLONS

FIELD MEASUREMENTS

TIME	GALLONS REMOVED	pH	CONDUCTIVITY	TEMP.	OBSERVATIONS
1038	1	7.26	*Or	20.7	CLEAR, YELLOW-BROWN, ORGANIC ODOR
1054	12	7.26	*Or	20.2	TURBID GREEN-BROWN, ORGANIC ODOR,
					SEDIMENT, SANDY
1101	25	7.26	*Or	20.0	TURBID GREEN-BROWN, ORGANIC ODOR,
					SEDIMENT, SANDY

SAMPLING: SAMPLE ANALYSIS: [TPH.GAS] [ ] [BTEX] [ ] [ ] [ ]

SAMPLE TIME: [1114] DID WELL GO DRY? [NO]

WATER LEVELS:	
TIME	D.T.W.
1119	7.63

NOTES:

* Or: OUT OF RANGE, 73999 µS

BRUNSING ASSOCIATES, INC.
ENVIRONMENTAL DIVISION
WELL SAMPLING

SHEET 8 OF 8

PROJECT: Pacific Supply PROJECT NUMBER: 29

WELL # VBW-9 PRECIP. IN LAST 5 DAYS: ____ WIND ____ DATE: 7-21-05

STARTING TIME: 1134 FINISHING TIME: 1242 INITIALS: CDS

CALCULATION OF PURGE VOLUME

2" WELL DEPTH: ____ - D.T.W. ____ = H20 COLUMN: ____ X 0.5 = ____

4" WELL DEPTH: 20.00 - D.T.W. 7.71 = H20 COLUMN: 12.29 X 2.0 = 24.58

THEREFORE TOTAL PURGE GALLONS EQUALS 25 GALLONS

FIELD MEASUREMENTS

TIME	GALLONS REMOVED	pH	CONDUCTIVITY	TEMP.	OBSERVATIONS
1155	1	7.35	*Or	24.2	TURBID GREEN-BROWN, NO ODOR, SEDIMENT, SANDY
1202	12	7.17	*Or	23.1	TURBID GREEN-BROWN, ORGANIC ODOR, SANDY
1216	25	7.59	*Or	22.9	TURBID GREEN-BROWN, ORGANIC ODOR, SANDY

SAMPLING: SAMPLE ANALYSIS: TPH-GAS | | BTEX | | | |

SAMPLE TIME: 1231 DID WELL GO DRY? NO

WATER LEVELS:	
TIME	D.T.W.
1236	7.84

NOTES:

*Or: OUT OF RANGE, >3999 µS

Brunsing Associates, Inc

UST Fund Site: ____Yes X No

FIELD REPORT

FILE COPY

JOB NO: 29
INITIAL: CDS
DATE: 7-22-05

PROJECT: PACIFIC SUPPLY 1735 24TH STREET, OAKLAND, CA.
SUBJECT: GROUNDWATER SAMPLING
PROJECT PHASE NUMBER: 04
VEHICLE USED: FORD F-150

Total Time: 8.75
End. Mileage: 168
Beg. Mileage: 173096
TOTAL MILEAGE: 72

TIME	DESCRIPTION OF WORK AND CONVERSATION RECORD
0631	TO SITE.
0647	ARRIVE AT SITE. SET-UP FOR GROUNDWATER SAMPLING.
	MEASURED TWO ROUNDS OF DISTANCE TO WATER AT WELLS
	MW-2, VRW-1 AND VRW-3.
	PERFORMED SAMPLING AT WELLS MW-2, VRW-1 AND VRW-3.
	STORED PURGEWATER IN DRUMS LOCATED IN THE FORMER SYSTEM
	COMPOUND AREA.
	CLOSED WELLS AND MONUMENTS.
	DECON SAMPLING EQUIPMENT.
	LOAD EQUIPMENT AND SUPPLIES.
	COMPLETED FIELD NOTES AND LOGGED SAMPLES ON CHAIN OF CUSTODY.
1224	LEAVE SITE.
1542	ARRIVE AT OFFICE. SUBMITTED SAMPLES FOR ANALYSIS.
	UNLOAD EQUIPMENT AND SUPPLIES.
1613	FINISHED WITH WORK.

DRUM COUNT:

Water = 5 Devlpmt Water =
Soil = Decon Water =

Brunsing Associates, Inc.

WATER LEVELS

SHEET 2 OF 5

PROJECT: PACIFIC SUPPLY PROJECT NUMBER: 29

INSTRUMENT TYPE: ET (WLP) INITIALS: CDS DATE: 7-22-05

WELL NUMBER	DEPTH TO PRODUCT	DISTANCE TO WATER	TIME (24 HOUR)	EQUILIBRATED (CHECK FOR YES)	NOTES
MW-2		6.89	0708		
VRW-1		7.25	0709		
VRW-3		7.50	0711		
MW-2		6.90	0714	✓	
VRW-1		7.26	0716	✓	
VRW-3		7.50	0719	✓	

BRUNSING ASSOCIATES, INC.
ENVIRONMENTAL DIVISION
WELL SAMPLING

SHEET 3 OF 5

PROJECT: Pacific Supply PROJECT NUMBER: 29

WELL # MW-2 PRECIP. IN LAST 5 DAYS: — WIND ✓ DATE: 7-22-05

STARTING TIME: 0720 FINISHING TIME: 0840 INITIALS: CDS

CALCULATION OF PURGE VOLUME

2" WELL DEPTH: [ ] - D.T.W. [ ] = H20 COLUMN: [ ] X 0.5 = [ ]

4" WELL DEPTH: [20.00] - D.T.W. [6.90] = H20 COLUMN: [13.10] X 2.0 = [26.20]

THEREFORE TOTAL PURGE GALLONS EQUALS [26] GALLONS

FIELD MEASUREMENTS

TIME	GALLONS REMOVED	pH	CONDUCTIVITY	TEMP.	OBSERVATIONS
0756	1	7.06	*Or	19.4	CLEAR YELLOW, ORGANIC ODOR
0805	13	7.19	* Or	19.8	CLEAR BROWN, NO ODOR
0816	26	7.59	3111	19.9	CLEAR, BROWN, NO ODOR

SAMPLING: SAMPLE ANALYSIS: TPH-GAS [ ] BTEX [ ] [ ] [ ]

SAMPLE TIME: 0821 DID WELL GO DRY? No

WATER LEVELS:	
TIME	D.T.W.
0825	6.95

NOTES:

* Or: OUT OF RANGE, 73999 µS

BRUNSING ASSOCIATES, INC.
ENVIRONMENTAL DIVISION
WELL SAMPLING

SHEET 4 OF 5

PROJECT: Pacific Supply PROJECT NUMBER: 29

WELL # VEW-1 PRECIP. IN LAST 5 DAYS: — WIND ~ DATE: 7-22-05

STARTING TIME: 0841 FINISHING TIME: 0946 INITIALS: CDS

CALCULATION OF PURGE VOLUME

2" WELL DEPTH: [ ] - D.T.W. [ ] = H20 COLUMN: [ ] X 0.5 = [ ]

4" WELL DEPTH: [20.00] - D.T.W. [7.26] = H20 COLUMN: [12.74] X 2.0 = [25.48]

THEREFORE TOTAL PURGE GALLONS EQUALS [25] GALLONS

FIELD MEASUREMENTS

TIME	GALLONS REMOVED	pH	CONDUCTIVITY	TEMP.	OBSERVATIONS
0851	1	7.42	*Or	20.2	CLEAR ORANGE-BROWN, ORGANIC ODOR
0857	12	7.37	*Or	19.9	CLEAR DARK BROWN, ORGANIC ODOR, SEDIMENT
0916	25	7.68	*Or	20.1	TURBID BLACK, ORGANIC ODOR, SEDIMENT

SAMPLING: SAMPLE ANALYSIS: [TPH-GAS] [ ] [BTEX] [ ] [ ] [ ]

SAMPLE TIME: [0926] DID WELL GO DRY? [NO]

WATER LEVELS: TIME	D.T.W.
0932	12.90

NOTES:

* Or: OUT OF RANGE, >3999 µS

BRUNSING ASSOCIATES, INC.
ENVIRONMENTAL DIVISION
WELL SAMPLING

SHEET 5 OF 5

PROJECT: PACIFIC SUPPLY — PROJECT NUMBER: 29

WELL # VRW-3 — PRECIP. IN LAST 5 DAYS: — — WIND ~ — DATE: 7-22-05

STARTING TIME: 0947 — FINISHING TIME: 1043 — INITIALS: CDS

CALCULATION OF PURGE VOLUME

2" WELL — DEPTH: [ ] - D.T.W. [ ] = H20 COLUMN: [ ] X 0.5 = [ ]

4" WELL — DEPTH: [20.00] - D.T.W. [7.50] = H20 COLUMN: [12.50] X 2.0 = [25.00]

THEREFORE TOTAL PURGE GALLONS EQUALS [25] GALLONS

FIELD MEASUREMENTS

TIME	GALLONS REMOVED	pH	CONDUCTIVITY	TEMP.	OBSERVATIONS
1006	1	7.55	*Or	21.8	CLEAR, ORGANIC ODOR
1013	12	7.33	*Or	20.5	TURBID DARK BROWN, ORGANIC ODOR, SEDIMENT
1023	25	7.48	*Or	20.1	TURBID DARK BROWN, ORGANIC ODOR, SEDIMENT

SAMPLING: SAMPLE ANALYSIS: TPH GAS [ ] BTEX [ ] [ ] [ ]

SAMPLE TIME: [1033] DID WELL GO DRY? [NO]

WATER LEVELS:

TIME	D.T.W.
1038	13.30

NOTES:

*Or: OUT OF RANGE, 73999 µS

APPENDIX B

Analytical Laboratory Report

Laboratory Report Project Overview

EDF 1.2a

Laboratory:	Bace Analytical, Windsor, CA
Lab Report Number:	4604
Project Name:	1735 24TH STREET
Work Order Number:	29
Control Sheet Number:	NA

Case Narrative

Bace Analytical, Windsor, CA

Report Date:	09/04/2005	Project:	1735 24TH STREET
Report Number:	4604	Order #:	29

Please be advised that the volatile aromatics analysis (BTEX) required for this sample log was performrd by means of EPA 8260B (GC/MS) rather than by EPA 8021 as specified on the chain of custody. The reporting limits of the two methods are equivalent. There will be no additional fee assessed for the GC/MS analysis.

Approved by: William A Patty Date: 9/4/05

Report Summary

Labreport	Sampid	Labsampid	Mtrx	QC	Anmcode	Exmcode	Logdate	Extdate	Anadate	Lablotctl	Run Sub
4604	MW-1	4604-1	W	CS	8260FAB	SW5030B	07/21/2005	07/28/2005	07/28/2005	20050728A	18
4604	MW-1	4604-1	W	CS	8260TPH	SW5030B	07/21/2005	07/28/2005	07/28/2005	20050728A	18
4604	MW-2	4604-2	W	CS	8260FAB	SW5030B	07/22/2005	07/28/2005	07/28/2005	20050728A	19
4604	MW-2	4604-2	W	CS	8260TPH	SW5030B	07/22/2005	07/28/2005	07/28/2005	20050728A	19
4604	MW-3	4604-3	W	CS	8260FAB	SW5030B	07/20/2005	07/28/2005	07/28/2005	20050728A	20
4604	MW-3	4604-3	W	CS	8260TPH	SW5030B	07/20/2005	07/28/2005	07/28/2005	20050728A	20
4604	VRW-1	4604-4	W	CS	8260FAB	SW5030B	07/22/2005	07/28/2005	07/28/2005	20050728A	21
4604	VRW-1	4604-4	W	CS	8260TPH	SW5030B	07/22/2005	07/28/2005	07/28/2005	20050728A	21
4604	VRW-2	4604-5	W	CS	8260FAB	SW5030B	07/21/2005	07/28/2005	07/28/2005	20050728A	22
4604	VRW-2	4604-5	W	CS	8260TPH	SW5030B	07/21/2005	07/28/2005	07/28/2005	20050728A	22
4604	VRW-3	4604-6	W	CS	8260FAB	SW5030B	07/22/2005	07/28/2005	07/28/2005	20050728A	23
4604	VRW-3	4604-6	W	CS	8260TPH	SW5030B	07/22/2005	07/28/2005	07/28/2005	20050728A	23
4604	VRW-4	4601-7	W	CS	8260FAB	SW5030B	07/20/2005	07/28/2005	07/28/2005	20050728A	24
4604	VRW-4	4601-7	W	CS	8260TPH	SW5030B	07/20/2005	07/28/2005	07/28/2005	20050728A	24
4604	VRW-5	4604-8	W	CS	8260FAB	SW5030B	07/21/2005	07/28/2005	07/28/2005	20050728A	25
4604	VRW-5	4604-8	W	CS	8260TPH	SW5030B	07/21/2005	07/28/2005	07/28/2005	20050728A	25
4604	VRW-6	4604-9	W	CS	8260FAB	SW5030B	07/21/2005	07/28/2005	07/28/2005	20050728A	26
4604	VRW-6	4604-9	W	CS	8260TPH	SW5030B	07/21/2005	07/28/2005	07/28/2005	20050728A	26
4604	VRW-7	4604-10	W	CS	8260FAB	SW5030B	07/21/2005	07/28/2005	07/28/2005	20050728A	27
4604	VRW-7	4604-10	W	CS	8260TPH	SW5030B	07/21/200	07/28/200	07/28/200	20050728A	27

Report Summary

Labreport	Sampid	Labsampid	Mtrx	QC	Anmcode	Exmcode	Logdate	Extdate	Anadate	Lablotctl	Run Sub
4604	VRW-8	4604-11	W	CS	8260FAB	SW5030B	07/21/2005	07/28/2005	07/28/2005	20050728A	28
4604	VRW-8	4604-11	W	CS	8260TPH	SW5030B	07/21/2005	07/28/2005	07/28/2005	20050728A	28
4604	VRW-9	4604-12	W	CS	8260FAB	SW5030B	07/21/2005	07/28/2005	07/28/2005	20050728A	29
4604	VRW-9	4604-12	W	CS	8260TPH	SW5030B	07/21/2005	07/28/2005	07/28/2005	20050728A	29
		4601-1	W	NC	8260FAB	SW5030B	/ /	07/28/2005	07/28/2005	20050728A	8
		4601-6	W	NC	8260TPH	SW5030B	/ /	07/28/2005	07/28/2005	20050728A	15
		4604MB	W	LB1	8260FAB	SW5030B	/ /	07/28/2005	07/28/2005	20050728A	3
		4604MB	W	LB1	8260TPH	SW5030B	/ /	07/28/2005	07/28/2005	20050728A	3
		4604MS	W	MS1	8260FAB	SW5030B	/ /	07/28/2005	07/28/2005	20050728A	9
		4604MS	W	MS1	8260TPH	SW5030B	/ /	07/28/2005	07/28/2005	20050728A	16
		4604SD	W	SD1	8260FAB	SW5030B	/ /	07/28/2005	07/28/2005	20050728A	10
		4604SD	W	SD1	8260TPH	SW5030B	/ /	07/28/2005	07/28/2005	20050728A	17

Lab Report No.: 4604 Date: 09/04/2005

Project Name:	1735 24TH STREET	Analysis:	VOCs by GC/MS Fuel Additives Plus BTEX
Project No:	29	Method:	8260FAB
		Prep Meth:	SW5030B

Field ID:	MW-1	Lab Samp ID:	4604-1
Descr/Location:	MW-1	Rec'd Date:	07/22/2005
Sample Date:	07/21/2005	Prep Date:	07/28/2005
Sample Time:	1026	Analysis Date:	07/28/2005
Matrix:	Water	QC Batch:	20050728A
Basis:	Not Filtered	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
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		94%		1
Toluene-d8		88-110	SLSA		98%		1
Dibromofluoromethane		86-115	SLSA		98%		1

Approved by: William H Patty Date: 9/4/05

Project Name:	1735 24TH STREET	Analysis:	VOCs by GC/MS Fuel Additives Plus BTEX
Project No:	29	Method:	8260FAB
		Prep Meth:	SW5030B

Field ID:	MW-2	Lab Samp ID:	4604-2
Descr/Location:	MW-2	Rec'd Date:	07/22/2005
Sample Date:	07/22/2005	Prep Date:	07/28/2005
Sample Time:	0821	Analysis Date:	07/28/2005
Matrix:	Water	QC Batch:	20050728A
Basis:	Not Filtered	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Benzene	1.4	2.5	PQL		5.84	UG/L	5
Toluene	1.3	2.5	PQL	DX	ND	UG/L	5
Ethylbenzene	1.3	2.5	PQL		ND	UG/L	5
Xylenes	1.3	2.5	PQL		5.81	UG/L	5
SURROGATE AND INTERNAL STANDARD RECOVERIES:							
4-Bromofluorobenzene		86-118	SLSA		94%		1
Toluene-d8		88-110	SLSA		98%		1
Dibromofluoromethane		86-115	SLSA		99%		1

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

Approved by: William H Patty Date: 9/4/05

Project Name:	1735 24TH STREET	Analysis:	VOCs by GC/MS Fuel Additives Plus BTEX
Project No:	29	Method:	8260FAB
		Prep Meth:	SW5030B

Field ID:	MW-3	Lab Samp ID:	4604-3
Descr/Location:	MW-3	Rec'd Date:	07/22/2005
Sample Date:	07/20/2005	Prep Date:	07/28/2005
Sample Time:	1217	Analysis Date:	07/28/2005
Matrix:	Water	QC Batch:	20050728A
Basis:	Not Filtered	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
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		ND	UG/L	2
SURROGATE AND INTERNAL STANDARD RECOVERIES:							
4-Bromofluorobenzene		86-118	SLSA		93%		1
Toluene-d8		88-110	SLSA		97%		1
Dibromofluoromethane		86-115	SLSA		99%		1

Approved by: William H Patty Date: 9/4/05

Project Name:	1735 24TH STREET	Analysis:	VOCs by GC/MS Fuel Additives Plus BTEX
Project No:	29	Method:	8260FAB
		Prep Meth:	SW5030B

Field ID:	VRW-1	Lab Samp ID:	4604-4
Descr/Location:	VRW-1	Rec'd Date:	07/22/2005
Sample Date:	07/22/2005	Prep Date:	07/28/2005
Sample Time:	0926	Analysis Date:	07/28/2005
Matrix:	Water	QC Batch:	20050728A
Basis:	Not Filtered	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Benzene	0.27	0.50	PQL		5.35	UG/L	1
Toluene	0.25	0.50	PQL		1.27	UG/L	1
Ethylbenzene	0.25	0.50	PQL		ND	UG/L	1
Xylenes	0.25	0.50	PQL		3.66	UG/L	1
SURROGATE AND INTERNAL STANDARD RECOVERIES:							
4-Bromofluorobenzene		86-118	SLSA		93%		1
Toluene-d8		88-110	SLSA		97%		1
Dibromofluoromethane		86-115	SLSA		99%		1

Approved by: William H Patty Date: 9/4/05

Project Name:	1735 24TH STREET	Analysis:	VOCs by GC/MS Fuel Additives Plus BTEX
Project No:	29	Method:	8260FAB
		Prep Meth:	SW5030B

Field ID:	VRW-2	Lab Samp ID:	4604-5
Descr/Location:	VRW-2	Rec'd Date:	07/22/2005
Sample Date:	07/21/2005	Prep Date:	07/28/2005
Sample Time:	0926	Analysis Date:	07/28/2005
Matrix:	Water	QC Batch:	20050728A
Basis:	Not Filtered	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Benzene	0.27	0.50	PQL		102	UG/L	1
Toluene	0.25	0.50	PQL		1.43	UG/L	1
Ethylbenzene	0.25	0.50	PQL		0.84	UG/L	1
Xylenes	0.25	0.50	PQL		3.81	UG/L	1
SURROGATE AND INTERNAL STANDARD RECOVERIES:							
4-Bromofluorobenzene		86-118	SLSA		92%		1
Toluene-d8		88-110	SLSA		98%		1
Dibromofluoromethane		86-115	SLSA		99%		1

Approved by: William A Patty Date: 9/4/05

Project Name:	1735 24TH STREET	Analysis:	VOCs by GC/MS Fuel Additives Plus BTEX
Project No:	29	Method:	8260FAB
		Prep Meth:	SW5030B

Field ID:	VRW-3	Lab Samp ID:	4604-6
Descr/Location:	VRW-3	Rec'd Date:	07/22/2005
Sample Date:	07/22/2005	Prep Date:	07/28/2005
Sample Time:	1033	Analysis Date:	07/28/2005
Matrix:	Water	QC Batch:	20050728A
Basis:	Not Filtered	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
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		2.02	UG/L	2
SURROGATE AND INTERNAL STANDARD RECOVERIES:							
4-Bromofluorobenzene		86-118	SLSA		97%		1
Toluene-d8		88-110	SLSA		97%		1
Dibromofluoromethane		86-115	SLSA		102%		1

Approved by: William H Patty Date: 9/4/05

Project Name:	1735 24TH STREET	Analysis:	VOCs by GC/MS Fuel Additives Plus BTEX
Project No:	29	Method:	8260FAB
		Prep Meth:	SW5030B

Field ID:	VRW-4	Lab Samp ID:	4601-7
Descr/Location:	VRW-4	Rec'd Date:	07/22/2005
Sample Date:	07/20/2005	Prep Date:	07/28/2005
Sample Time:	1253	Analysis Date:	07/28/2005
Matrix:	Water	QC Batch:	20050728A
Basis:	Not Filtered	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Benzene	5.4	10.	PQL		3740.	UG/L	20
Toluene	5.0	10.	PQL		381.	UG/L	20
Ethylbenzene	5.0	10.	PQL		480.	UG/L	20
Xylenes	5.0	10.	PQL		643.	UG/L	20
SURROGATE AND INTERNAL STANDARD RECOVERIES:							
4-Bromofluorobenzene		86-118	SLSA		93%		1
Toluene-d8		88-110	SLSA		95%		1
Dibromofluoromethane		86-115	SLSA		99%		1

Approved by: William H Patty Date: 9/4/05

Project Name:	1735 24TH STREET	Analysis:	VOCs by GC/MS Fuel Additives Plus BTEX
Project No:	29	Method:	8260FAB
		Prep Meth:	SW5030B

Field ID:	VRW-5	Lab Samp ID:	4604-8
Descr/Location:	VRW-5	Rec'd Date:	07/22/2005
Sample Date:	07/21/2005	Prep Date:	07/28/2005
Sample Time:	1418	Analysis Date:	07/28/2005
Matrix:	Water	QC Batch:	20050728A
Basis:	Not Filtered	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Benzene	1.4	2.5	PQL		102	UG/L	5
Toluene	1.3	2.5	PQL		3.83	UG/L	5
Ethylbenzene	1.3	2.5	PQL		4.62	UG/L	5
Xylenes	1.3	2.5	PQL		12.4	UG/L	5
SURROGATE AND INTERNAL STANDARD RECOVERIES:							
4-Bromofluorobenzene		86-118	SLSA		94%		1
Toluene-d8		88-110	SLSA		98%		1
Dibromofluoromethane		86-115	SLSA		99%		1

Approved by: William H Patty Date: 9/4/05

Project Name:	1735 24TH STREET	Analysis:	VOCs by GC/MS Fuel Additives Plus BTEX
Project No:	29	Method:	8260FAB
		Prep Meth:	SW5030B

Field ID:	VRW-6	Lab Samp ID:	4604-9
Descr/Location:	VRW-6	Rec'd Date:	07/22/2005
Sample Date:	07/21/2005	Prep Date:	07/28/2005
Sample Time:	1329	Analysis Date:	07/28/2005
Matrix:	Water	QC Batch:	20050728A
Basis:	Not Filtered	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Benzene	0.27	0.50	PQL		18.3	UG/L	1
Toluene	0.25	0.50	PQL		1.13	UG/L	1
Ethylbenzene	0.25	0.50	PQL		0.95	UG/L	1
Xylenes	0.25	0.50	PQL		5.05	UG/L	1
SURROGATE AND INTERNAL STANDARD RECOVERIES:							
4-Bromofluorobenzene		86-118	SLSA		93%		1
Toluene-d8		88-110	SLSA		98%		1
Dibromofluoromethane		86-115	SLSA		100%		1

Approved by: William H Patty Date: 9/4/05

Project Name:	1735 24TH STREET	Analysis:	VOCs by GC/MS Fuel Additives Plus BTEX
Project No:	29	Method:	8260FAB
		Prep Meth:	SW5030B

Field ID:	VRW-7	Lab Samp ID:	4604-10
Descr/Location:	VRW-7	Rec'd Date:	07/22/2005
Sample Date:	07/21/2005	Prep Date:	07/28/2005
Sample Time:	1303	Analysis Date:	07/28/2005
Matrix:	Water	QC Batch:	20050728A
Basis:	Not Filtered	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Benzene	0.54	1.0	PQL		48.1	UG/L	2
Toluene	0.50	1.0	PQL		2.76	UG/L	2
Ethylbenzene	0.50	1.0	PQL		2.56	UG/L	2
Xylenes	0.50	1.0	PQL		6.94	UG/L	2
SURROGATE AND INTERNAL STANDARD RECOVERIES:							
4-Bromofluorobenzene		86-118	SLSA		96%		1
Toluene-d8		88-110	SLSA		97%		1
Dibromofluoromethane		86-115	SLSA		100%		1

Approved by: William A Patton Date: 9/4/05

Project Name:	1735 24TH STREET	Analysis:	VOCs by GC/MS Fuel Additives Plus BTEX
Project No:	29	Method:	8260FAB
		Prep Meth:	SW5030B

Field ID:	VRW-8	Lab Samp ID:	4604-11
Descr/Location:	VRW-8	Rec'd Date:	07/22/2005
Sample Date:	07/21/2005	Prep Date:	07/28/2005
Sample Time:	1114	Analysis Date:	07/28/2005
Matrix:	Water	QC Batch:	20050728A
Basis:	Not Filtered	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Benzene	1.4	2.5	PQL		24.8	UG/L	5
Toluene	1.3	2.5	PQL		3.44	UG/L	5
Ethylbenzene	1.3	2.5	PQL		ND	UG/L	5
Xylenes	1.3	2.5	PQL		7.34	UG/L	5
SURROGATE AND INTERNAL STANDARD RECOVERIES:							
4-Bromofluorobenzene		86-118	SLSA		94%		1
Toluene-d8		88-110	SLSA		98%		1
Dibromofluoromethane		86-115	SLSA		98%		1

Approved by: William A Patty Date: 9/4/05

Project Name:	1735 24TH STREET	Analysis:	VOCs by GC/MS Fuel Additives Plus BTEX
Project No:	29	Method:	8260FAB
		Prep Meth:	SW5030B

Field ID:	VRW-9	Lab Samp ID:	4604-12
Descr/Location:	VRW-9	Rec'd Date:	07/22/2005
Sample Date:	07/21/2005	Prep Date:	07/28/2005
Sample Time:	1231	Analysis Date:	07/28/2005
Matrix:	Water	QC Batch:	20050728A
Basis:	Not Filtered	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
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		2.83	UG/L	2
SURROGATE AND INTERNAL STANDARD RECOVERIES:							
4-Bromofluorobenzene		86-118	SLSA		96%		1
Toluene-d8		88-110	SLSA		97%		1
Dibromofluoromethane		86-115	SLSA		100%		1

Approved by: William A Patty Date: 9/4/05

Project Name:	1735 24TH STREET	Analysis:	Total Petroleum Hydrocarbons (TPH) by GC/MS
Project No:	29	Method:	8260TPH
		Prep Meth:	SW5030B
Field ID:	MW-1	Lab Samp ID:	4604-1
Descr/Location:	MW-1	Rec'd Date:	07/22/2005
Sample Date:	07/21/2005	Prep Date:	07/28/2005
Sample Time:	1026	Analysis Date:	07/28/2005
Matrix:	Water	QC Batch:	20050728A
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		86-115	SLSA		98%		1

Approved by: William A Patty Date: 9/4/05

Project Name:	1735 24TH STREET	Analysis:	Total Petroleum Hydrocarbons (TPH) by GC/MS
Project No:	29	Method:	8260TPH
		Prep Meth:	SW5030B

Field ID:	MW-2	Lab Samp ID:	4604-2
Descr/Location:	MW-2	Rec'd Date:	07/22/2005
Sample Date:	07/22/2005	Prep Date:	07/28/2005
Sample Time:	0821	Analysis Date:	07/28/2005
Matrix:	Water	QC Batch:	20050728A
Basis:	Not Filtered	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Gasoline Range Organics (C5-C12)	0.20	0.25	PQL		27	MG/L	5
SURROGATE AND INTERNAL STANDARD RECOVERIES:							
4-Bromofluorobenzene		86-115	SLSA		94%		1

Approved by: William A Patty Date: 9/4/05

Project Name:	1735 24TH STREET	Analysis:	Total Petroleum Hydrocarbons (TPH) by GC/MS
Project No:	29	Method:	8260TPH
		Prep Meth:	SW5030B
Field ID:	MW-3	Lab Samp ID:	4604-3
Descr/Location:	MW-3	Rec'd Date:	07/22/2005
Sample Date:	07/20/2005	Prep Date:	07/28/2005
Sample Time:	1217	Analysis Date:	07/28/2005
Matrix:	Water	QC Batch:	20050728A
Basis:	Not Filtered	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Gasoline Range Organics (C5-C12)	0.08	0.10	PQL		ND	MG/L	2
SURROGATE AND INTERNAL STANDARD RECOVERIES:							
4-Bromofluorobenzene		86-115	SLSA		93%		1

Approved by: William A Porter Date: 9/4/05

Project Name:	1735 24TH STREET	Analysis:	Total Petroleum Hydrocarbons (TPH) by GC/MS
Project No:	29	Method:	8260TPH
		Prep Meth:	SW5030B

Field ID:	VRW-1	Lab Samp ID:	4604-4
Descr/Location:	VRW-1	Rec'd Date:	07/22/2005
Sample Date:	07/22/2005	Prep Date:	07/28/2005
Sample Time:	0926	Analysis Date:	07/28/2005
Matrix:	Water	QC Batch:	20050728A
Basis:	Not Filtered	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Gasoline Range Organics (C5-C12)	0.04	0.05	PQL		0.69	MG/L	1
SURROGATE AND INTERNAL STANDARD RECOVERIES:							
4-Bromofluorobenzene		86-115	SLSA		98%		1

Approved by: William H Patty Date: 9/4/05

Project Name:	1735 24TH STREET	Analysis:	Total Petroleum Hydrocarbons (TPH) by GC/MS
Project No:	29	Method:	8260TPH
		Prep Meth:	SW5030B

Field ID:	VRW-2	Lab Samp ID:	4604-5
Descr/Location:	VRW-2	Rec'd Date:	07/22/2005
Sample Date:	07/21/2005	Prep Date:	07/28/2005
Sample Time:	0926	Analysis Date:	07/28/2005
Matrix:	Water	QC Batch:	20050728A
Basis:	Not Filtered	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Gasoline Range Organics (C5-C12)	0.04	0.05	PQL		21	MG/L	1
SURROGATE AND INTERNAL STANDARD RECOVERIES:							
4-Bromofluorobenzene		86-115	SLSA		92%		1

Approved by: William H Patty Date: 9/4/05

Project Name:	1735 24TH STREET	Analysis:	Total Petroleum Hydrocarbons (TPH) by GC/MS
Project No:	29	Method:	8260TPH
		Prep Meth:	SW5030B
Field ID:	VRW-3	Lab Samp ID:	4604-6
Descr/Location:	VRW-3	Rec'd Date:	07/22/2005
Sample Date:	07/22/2005	Prep Date:	07/28/2005
Sample Time:	1033	Analysis Date:	07/28/2005
Matrix:	Water	QC Batch:	20050728A
Basis:	Not Filtered	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Gasoline Range Organics (C5-C12)	0.08	0.10	PQL		0.11	MG/L	2
SURROGATE AND INTERNAL STANDARD RECOVERIES:							
4-Bromofluorobenzene		86-115	SLSA		96%		1

Approved by: William H Patty Date: 9/4/05

Project Name:	1735 24TH STREET	Analysis:	Total Petroleum Hydrocarbons (TPH) by GC/MS
Project No:	29	Method:	8260TPH
		Prep Meth:	SW5030B
Field ID:	VRW-4	Lab Samp ID:	4601-7
Descr/Location:	VRW-4	Rec'd Date:	07/22/2005
Sample Date:	07/20/2005	Prep Date:	07/28/2005
Sample Time:	1253	Analysis Date:	07/28/2005
Matrix:	Water	QC Batch:	20050728A
Basis:	Not Filtered	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Gasoline Range Organics (C5-C12)	0.80	1.0	PQL		19.	MG/L	20
SURROGATE AND INTERNAL STANDARD RECOVERIES:							
4-Bromofluorobenzene		86-115	SLSA		93%		1

Approved by: William H Patty Date: 9/4/05

Project Name:	1735 24TH STREET	Analysis:	Total Petroleum Hydrocarbons (TPH) by GC/MS
Project No:	29	Method:	8260TPH
		Prep Meth:	SW5030B
Field ID:	VRW-5	Lab Samp ID:	4604-8
Descr/Location:	VRW-5	Rec'd Date:	07/22/2005
Sample Date:	07/21/2005	Prep Date:	07/28/2005
Sample Time:	1418	Analysis Date:	07/28/2005
Matrix:	Water	QC Batch:	20050728A
Basis:	Not Filtered	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Gasoline Range Organics (C5-C12)	0.20	0.25	PQL		1.6	MG/L	5
SURROGATE AND INTERNAL STANDARD RECOVERIES:							
4-Bromofluorobenzene		86-115	SLSA		94%		1

Approved by: William H Patty Date: 9/4/05

Project Name:	1735 24TH STREET	Analysis:	Total Petroleum Hydrocarbons (TPH) by GC/MS
Project No:	29	Method:	8260TPH
		Prep Meth:	SW5030B
Field ID:	VRW-6	Lab Samp ID:	4604-9
Descr/Location:	VRW-6	Rec'd Date:	07/22/2005
Sample Date:	07/21/2005	Prep Date:	07/28/2005
Sample Time:	1329	Analysis Date:	07/28/2005
Matrix:	Water	QC Batch:	20050728A
Basis:	Not Filtered	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Gasoline Range Organics (C5-C12)	0.04	0.05	PQL		0.33	MG/L	1
SURROGATE AND INTERNAL STANDARD RECOVERIES:							
4-Bromofluorobenzene		86-115	SLSA		93%		1

Approved by: William A Patty Date: 9/4/05

Project Name:	1735 24TH STREET	Analysis:	Total Petroleum Hydrocarbons (TPH) by GC/MS
Project No:	29	Method:	8260TPH
		Prep Meth:	SW5030B
Field ID:	VRW-7	Lab Samp ID:	4604-10
Descr/Location:	VRW-7	Rec'd Date:	07/22/2005
Sample Date:	07/21/2005	Prep Date:	07/28/2005
Sample Time:	1303	Analysis Date:	07/28/2005
Matrix:	Water	QC Batch:	20050728A
Basis:	Not Filtered	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Gasoline Range Organics (C5-C12)	0.08	0.10	PQL		1.7	MG/L	2
SURROGATE AND INTERNAL STANDARD RECOVERIES:							
4-Bromofluorobenzene		86-115	SLSA		96%		1

Approved by: William H Patty Date: 9/4/05

Project Name:	1735 24TH STREET	Analysis:	Total Petroleum Hydrocarbons (TPH) by GC/MS
Project No:	29	Method:	8260TPH
		Prep Meth:	SW5030B

Field ID:	VRW-8	Lab Samp ID:	4604-11
Descr/Location:	VRW-8	Rec'd Date:	07/22/2005
Sample Date:	07/21/2005	Prep Date:	07/28/2005
Sample Time:	1114	Analysis Date:	07/28/2005
Matrix:	Water	QC Batch:	20050728A
Basis:	Not Filtered	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Gasoline Range Organics (C5-C12)	0.20	0.25	PQL		4.1	MG/L	5
SURROGATE AND INTERNAL STANDARD RECOVERIES:							
4-Bromofluorobenzene		86-115	SLSA		94%		1

Approved by: William H Patty Date: 9/4/05

Project Name:	1735 24TH STREET	Analysis:	Total Petroleum Hydrocarbons (TPH) by GC/MS
Project No:	29	Method:	8260TPH
		Prep Meth:	SW5030B

Field ID:	VRW-9	Lab Samp ID:	4604-12
Descr/Location:	VRW-9	Rec'd Date:	07/22/2005
Sample Date:	07/21/2005	Prep Date:	07/28/2005
Sample Time:	1231	Analysis Date:	07/28/2005
Matrix:	Water	QC Batch:	20050728A
Basis:	Not Filtered	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Gasoline Range Organics (C5-C12)	0.08	0.10	PQL		0.66	MG/L	2
SURROGATE AND INTERNAL STANDARD RECOVERIES:							
4-Bromofluorobenzene		86-115	SLSA		96%		1

Approved by: William H Patty Date: 9/4/05

QA/QC Report
Method Blank Summary

Bace Analytical, Windsor, CA

Lab Report No.: 4604 Date: 09/04/2005

QC Batch:	20050728A	Analysis:	VOCs by GC/MS Fuel Additives Plus BTEX
Matrix:	Water	Method:	8260FAB
Lab Samp ID:	4604MB	Prep Meth:	SW5030B
Analysis Date:	07/28/2005	Prep Date:	07/28/2005
Basis:	Not Filtered	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
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		96%		1
Toluene-d8		88-110	SLSA		100%		1
Dibromofluoromethane		86-115	SLSA		99%		1

QA/QC Report
Method Blank Summary

Bace Analytical, Windsor, CA

Lab Report No.: 4604 Date: 09/04/2005

QC Batch:	20050728A	Analysis:	Total Petroleum Hydrocarbons (TPH) by
Matrix:	Water	Method:	8260TPH
Lab Samp ID:	4604MB	Prep Meth:	SW5030B
Analysis Date:	07/28/2005	Prep Date:	07/28/2005
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		86-115	SLSA		96%		1

QA/QC Report
Matrix Spike/Duplicate Matrix Spike Summary

Bace Analytical, Windsor, CA

Lab Report No.: 4604 Date: 09/04/2005

QC Batch: 20050728A
Matrix: Water
Lab Samp ID: 4604MS
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: 4601-1

Analyte	Analysis Method	Spike Level MS	Spike Level DMS	Sample Result	Spike Result MS	Spike Result DMS	Units	% Recoveries MS	% Recoveries DMS	% Recoveries RPD	Acceptance Criteria % Rec		Acceptance Criteria RPD
Benzene	8260FAB	10.0	10.0	ND	11.6	11.6	UG/L	116	116	0.00	127-76	MSA	20MSP
Ethylbenzene	8260FAB	10.0	10.0	ND	10.9	11.1	UG/L	109	111	1.8	130-70	MSA	20MSP
Toluene	8260FAB	10.0	10.0	ND	11.4	11.7	UG/L	114	117	2.6	125-76	MSA	20MSP
Xylenes	8260FAB	30.0	30.0	ND	31.5	33.1	UG/L	105	110	4.7	130-70	MSA	20MSP
4-Bromofluorobenzene	8260FAB	100.	100.	96.	95.	94.	PERCENT	95.0	94.0	1.1	118-86	SLSA	20SLSP
Dibromofluoromethane	8260FAB	100.	100.	100.	101.	99.	PERCENT	101	99.0	2.0	115-86	SLSA	20SLSP
Toluene-d8	8260FAB	100.	100.	98.	98.	99.	PERCENT	98.0	99.0	1.0	110-88	SLSA	20SLSP

QA/QC Report
Matrix Spike/Duplicate Matrix Spike Summary

Bace Analytical, Windsor, CA

Lab Report No.: 4604 Date: 09/04/2005

QC Batch: 20050728A
Matrix: Water
Lab Samp ID: 4604MS
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: 4601-6

Analyte	Analysis Method	Spike Level MS	Spike Level DMS	Sample Result	Spike Result MS	Spike Result DMS	Units	% Recoveries MS	% Recoveries DMS	% Recoveries RPD	Acceptance Criteria % Rec		Acceptance Criteria RPD
Gasoline Range Organics (C5-C12)	8260TPH	0.50	0.52	ND	0.53	0.52	MG/L	106	100	5.8	130-70	MSA	20MSP
4-Bromofluorobenzene	8260TPH	100.	100.	95.	94.	95.	PERCENT	94.0	95.0	1.1	115-86	SLSA	20SLSP

Chain-of Custody Form

Project #	Project Name			No. of Containers	Analysis		C.O.C. No.
29.	PACIFIC SUPPLY 1735 24TH STREET OAKLAND, CA.						11776
L.P. No.	Sampler's Signature: Chris Scott						Remarks: STANDARD TAT

Date Sampled	Sample I.D.	Time (24 Hour)	Sample Type	No. of Containers	TPH-GAS	BTEX (8021)	Remarks
7-21-05	MW-1	1026	WATER	4	X	X	4604-1
7-22-05	MW-2	0821	↓	↓	X	X	-2
7-20-05	MW-3	1217			X	X	-3
7-22-05	VRW-1	0926			X	X	-4
7-21-05	VRW-2	0926			X	X	-5
7-22-05	VRW-3	1033			X	X	-6
7-20-05	VRW-4	1253			X	X	-7
7-21-05	VRW-5	1418			X	X	-8
7-21-05	VRW-6	1329			X	X	-9
7-21-05	VRW-7	1303			X	X	-10
7-21-05	VRW-8	1114			X	X	-11
7-21-05	VRW-9	1231	↓	↓	X	X	-12

Laboratory: BAFS

Preservation: A - HCL; B - H2SO4: C - NaOH: D - HNO3: E - Ice: F - (specify)

Relinquished by (signed)	Date/Time	Received by (signed)	Remarks
Chris Scott	7/22/05 1604	[signature] 7/22/05 1610	STANDARD TAT
Relinquished by: (signed)	Date/Time	Received by: (signed) [signature]	ATTN: DIANA DICKERSON
Relinquished by: (signed)	Date/Time	Received for Laboratory by: (signed)	

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