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Brunsing Associates, Inc.

Alameda County
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Environmental Health

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ENVIRONMENTAL HEALTH SERVICES

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

Groundwater Monitoring Report
January 2006
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 January 18 and 19, 2006, 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 January 18 and 19, 2006. Prior to sampling, groundwater levels were measured in the 12 wells on January 18, 2006. 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 BTEX by EPA Test Method 8260. The groundwater analytical report for the groundwater samples is presented in Appendix B.

Groundwater Flow Direction

Groundwater elevations are presented on Plate 3. The highest groundwater elevation for this reporting period was in well VRW-6, and the lowest groundwater elevation was in well MW-2.

Discussion of Groundwater Analytical Results

Petroleum hydrocarbons were reported in all of the groundwater samples except for the sample collected from well MW-1. TPH as gasoline was reported in the samples collected from wells MW-2 and VRW-1 through VRW-9 at concentrations ranging from 0.13 to 7.8 mg/l. BTEX were reported in the VRW-4 and VRW-7 samples at concentrations ranging from 3.63 to 1,670 µg/l. Benzene, toluene, ethylbenzene and/or xylenes were also reported in the samples collected from wells VRW-1, VRW-2, VRW-3, VRW-5, VRW-6, VRW-8, VRW-9, MW-2 and MW-3. The highest petroleum hydrocarbon concentrations were reported in the sample collected from well VRW-4.

Next Monitoring Period

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 June 2006. A report summarizing the results of the June 2006 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	Depth to Groundwater Date	Depth to Groundwater (feet)	Groundwater Elevation (feet, MSL)	TPH as gasoline (mg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	Lead (mg/L)	MTBE (µg/L)
MW-1	10/14/1988	7.99	0.88	**1.1**	**1.1**	ND	–	ND	–	–
MW-1	12/29/1989	7.74	1.13	ND	ND	ND	ND	ND	ND (1)	–
MW-1	5/28/1992	7.81	1.06	ND	ND	ND	ND	ND	**0.003(2)**	–
MW-1	9/3/1992	7.90	0.97	ND	ND	ND	ND	ND	**0.12 (2)**	–
MW-1	11/24/1992	7.90	0.97	ND	ND	ND	ND	ND	**0.017 (2)**	–
MW-1	3/9/1993	7.38	1.49	ND	ND	ND	ND	ND	ND (1)	–
MW-1	7/21/1993	7.68	1.19	ND	ND	ND	ND	ND	ND (1)	–
MW-1	11/3/1993	7.83	1.04	ND	ND	ND	ND	ND	ND (1)	–
MW-1	2/1/1994	7.30	1.57	ND	ND	ND	ND	ND	ND (1)	–
MW-1	6/2/1994	7.43	1.44	ND	ND	ND	ND	ND	ND (1)	–
MW-1	9/1/1994	7.70	1.17	ND	ND	ND	ND	ND	ND (1)	–
MW-1	12/13/1994	6.90	1.97	ND	ND	ND	ND	ND	–	–
MW-1	3/7/1995	7.30	1.57	**0.06**	**3.8**	ND	ND	ND	–	–
MW-1	6/9/1995	7.87	1.00	**0.09**	**12**	**0.8**	**0.5**	**1.3**	–	–
MW-1	9/21/1995	7.67	1.20	ND	**4.1**	ND	ND	ND	–	–
MW-1	12/18/1995	7.15	1.72	ND	ND	ND	ND	ND	–	–
MW-1	2/29/1996	6.74	2.13	**0.09**	**1.4**	**0.5**	ND	**0.8**	–	–
MW-1	7/15/1996	7.76	1.11		–	–	–	–	–	–
MW-1	1/7/1997	6.80	2.07	**0.06**	**0.6**	<0.5	<0.5	<0.5	–	–
MW-1	7/12/1997	7.67	1.20	–	–	–	–	–	–	–
MW-1	1/26/1998	6.93	1.94	<0.05	<0.5	<0.5	<0.5	**1.1**	–	–
MW-1	7/3/1998	7.51	1.36	–	–	–	–	–	–	–
MW-1	1/13/1999	7.63	1.24	<0.05	<0.5	<0.5	<0.5	<0.5	–	–
MW-1	9/27/1999	7.77	1.10	–	–	–	–	–	–	–
MW-1	1/28/2000	6.85	2.02	<0.05	<0.5	<0.5	<0.5	<0.5	–	<5.0
MW-1	5/16/2002	7.45	1.42	**0.35**	<0.5	<0.5	<0.5	<0.5	–	<1.0
MW-1	6/10/2003	7.32	4.15	<0.05	<0.5	<0.5	<0.5	<0.5	–	–
MW-1	11/19/2003	7.30	4.17	<0.050	<0.30	<0.30	<0.50	<0.50	–	–
MW-1	6/23/2004	7.49	3.98	**0.37**	<1.0	<1.0	<1.0	<1.0	–	–
MW-1	12/10/2004	6.27	5.20	<0.050	<0.5	<0.5	<0.5	<0.5	–	–
MW-1	7/21/2005	7.41	4.06	<0.05	<0.50	<0.50	<0.50	<0.50	–	–
MW-1	1/18/2006	6.28	5.19	<0.05	<0.50	<0.50	<0.50	<0.50	–	

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Well Name	Depth to Groundwater Date	Depth to Groundwater (feet)	Groundwater Elevation (feet, MSL)	TPH as gasoline (mg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	Lead (mg/L)	MTBE (µg/L)
MW-2	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	–	–
MW-2	1/19/2006	6.33	4.47	3.6	15.0	<2.5	<2.5	11.2	–	–

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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	–	–
MW-3	1/19/2006	6.76	5.00	<0.05	<0.50	<0.50	<0.50	**0.71**	–	–

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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	6.73	2.34	**0.072**	<0.5	<0.5	<0.5	<0.5	–	<5.0

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MW-5	10/14/1988	8.04	0.89	**3.2**	ND	ND	–	ND	–	–
MW-5	12/29/1989	7.40	1.53	ND	ND	ND	ND	ND	ND (1)	–
MW-5	5/28/1992	7.53	1.40	ND	ND	ND	ND	ND	**0.008 (2)**	–
MW-5	9/3/1992	8.02	0.91	ND	ND	ND	ND	ND	**0.034 (2)**	–
MW-5	11/24/1992	7.75	1.18	ND	ND	ND	ND	ND	**0.011 (2)**	–
MW-5	3/9/1993	6.91	2.02	ND	ND	ND	ND	ND	ND (1)	–
MW-5	7/21/1993	7.57	1.36	ND	ND	ND	ND	ND	ND(1)	–
MW-5	11/4/1993	7.77	1.16	ND	ND	ND	ND	ND	ND(1)	–
MW-5	2/1/1994	7.05	1.88	ND	ND	ND	ND	ND	ND(1)	–
MW-5	6/2/1994	7.18	1.75	ND	ND	ND	ND	ND	ND(1)	–
MW-5	9/1/1994	7.53	1.40	ND	ND	ND	ND	ND	–	–
MW-5	3/8/1995	6.67	2.26	ND	ND	ND	ND	ND	–	–
MW-5	6/9/1995	7.33	1.60	ND	ND	ND	ND	ND	–	–
MW-5	9/21/1995	7.67	1.26	ND	ND	ND	ND	ND	–	–
MW-5	12/18/1995	6.62	2.31	–	–	–	–	–	–	–
MW-5	2/29/1996	6.16	2.77	ND	ND	ND	ND	ND	–	–
MW-5	7/15/1996	7.47	1.46	–	–	–	–	–	–	–
MW-5	1/7/1997	6.11	2.82	<0.05	<0.5	<0.5	<0.5	<0.5	–	–
MW-5	7/12/1997	7.61	1.32	–	–	–	–	–	–	–
MW-5	1/26/1998	6.17	2.76	<0.05	<0.5	<0.5	<0.5	<0.5	–	–
MW-5	7/3/1998	7.23	1.70	–	–	–	–	–	–	–
MW-5	1/13/1999	7.27	1.66	<0.05	<0.5	<0.5	<0.5	<0.5	–	–
MW-5	9/27/1999	7.76	1.17	–	–	–	–	–	–	–
MW-5	1/28/2000	6.43	2.50	<0.05	<0.5	<0.5	<0.5	<0.5	–	<5.0

TABLE 1. SUMMARY OF GROUNDWATER ANALYTICAL DATA FOR MONITORING WELLS

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

Well Name	Depth to Groundwater Date	Depth to Groundwater (feet)	Groundwater Elevation (feet, MSL)	TPH as gasoline (mg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	Lead (mg/L)	MTBE (µg/L)
MW-6	12/29/1989	5.02	1.11	**1.1**	**5.4**	**4.5**	ND	ND	ND (1)	–
MW-6	3/9/1993	5.10	1.03	**2.3**	**2.3**	**2.8**	ND	**3.1**	ND (1)	–
MW-6	7/21/1993	5.23	0.90	**0.59**	ND	**7.6**	ND	ND	ND(1)	–
MW-6	11/4/1993	5.25	0.88	**1.5**	ND	**1.2**	ND	**0.7**	ND(1)	–
MW-6	2/1/1994	5.05	1.08	**1.9**	**2.5**	**3.9**	**1.6**	**1.1**	ND(1)	–
MW-6	6/2/1994	4.49	1.64	**1.3**	ND	**1**	ND	ND	ND(1)	–
MW-6	9/1/1994	4.53	1.60	**2.2**	ND	**1.7**	ND	ND	ND(1)	–
MW-6	12/13/1994	4.27	1.86	**0.66 (3)**	ND	ND	ND	ND	–	–
MW-6	3/8/1995	3.37	2.76	**1.0 (3)**	ND	ND	ND	ND	–	–
MW-6	6/9/1995	4.40	1.73	**1.5**	ND	**3.3**	ND	ND	–	–
MW-6	9/21/1995	4.69	1.44	**0.28**	ND	ND	ND	ND	–	–
MW-6	12/18/1995	4.42	1.71	–	–	–	–	–	–	–

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	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	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-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-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-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**	-	-

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

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

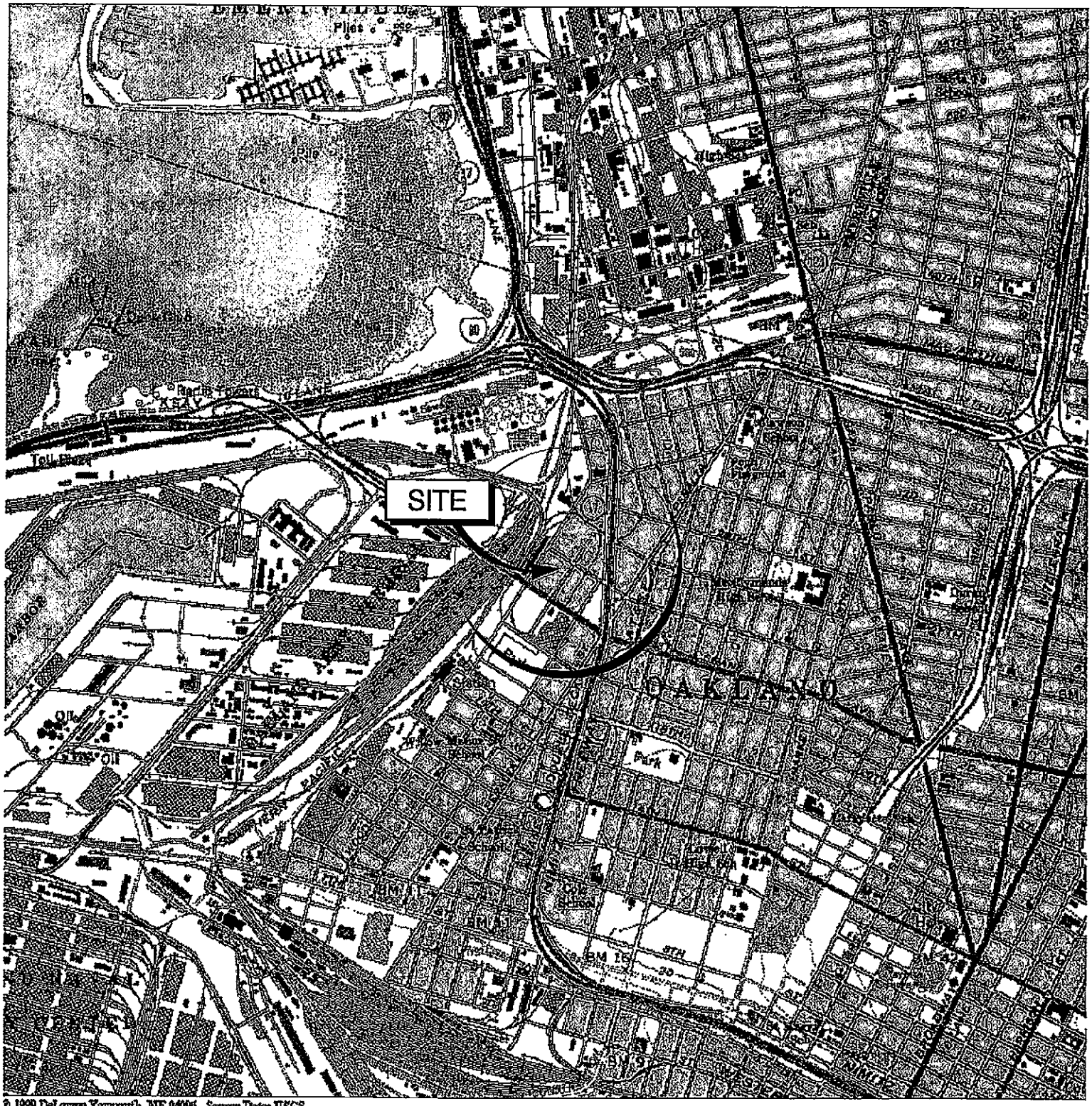
Sample ID	Depth to Groundwater Date	Depth to Groundwater (feet)	Top of Casing Elevation (feet, MSL)	Groundwater Elevation (feet, MSL)	TPH as gasoline (mg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	Other Oxygenates & Lead Scavengers (µg/L)
VRW-5	11/4/1993	–	–	–	0.90	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-6	11/4/1993	–	–	–	0.41	6.6	1.0	ND	31	-	-
VRW-6	5/15/2002	–	–	–	0.73	178	4.58	1.41	6.10	<1.0	<0.50 to <1.0
VRW-6	6/6/2003	7.21	11.43	4.22	<0.05	<0.5	<0.5	<0.5	<0.5	-	-
VRW-6	11/19/2003	7.39	11.43	4.04	0.21	13	<0.54	1.0	2.5	-	-
VRW-6	6/23/2004	7.36	11.43	4.07	0.42	43.4	3.60	1.69	13.0	-	-
VRW-6	12/9/2004	6.71	11.43	4.72	0.14	8.0	21	<0.5	3.6	-	-
VRW-6	7/21/2005	7.32	11.43	4.11	0.33	18.3	1.13	0.95	5.05	-	-
VRW-6	1/19/2006	5.85	11.43	5.58	0.13	3.96	<0.50	<0.50	1.25	-	-
VRW-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-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	-	-

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-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**	-	-

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.



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

NORTH

APPROXIMATE SCALE (FEET)

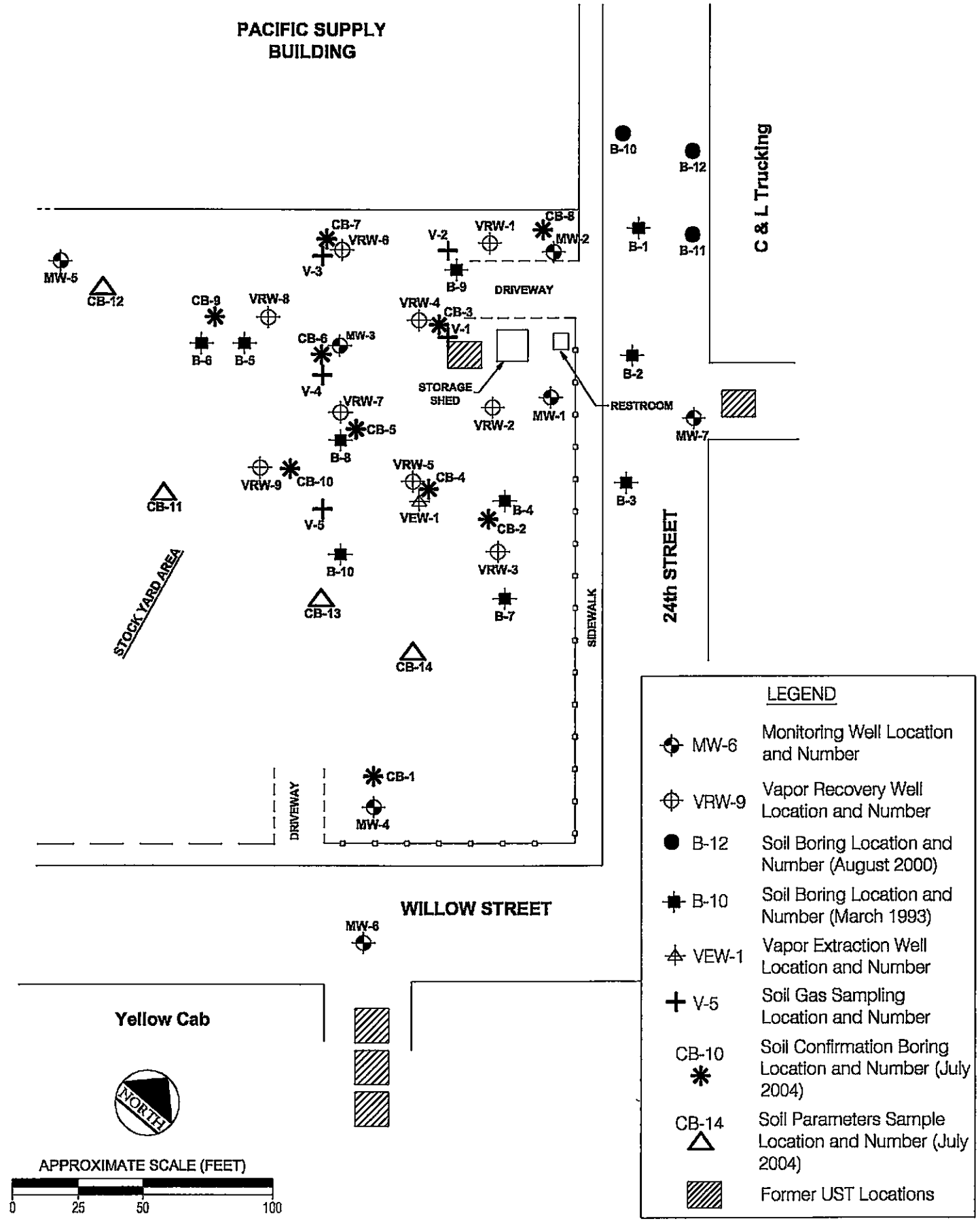
0 1000 2000 4000

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

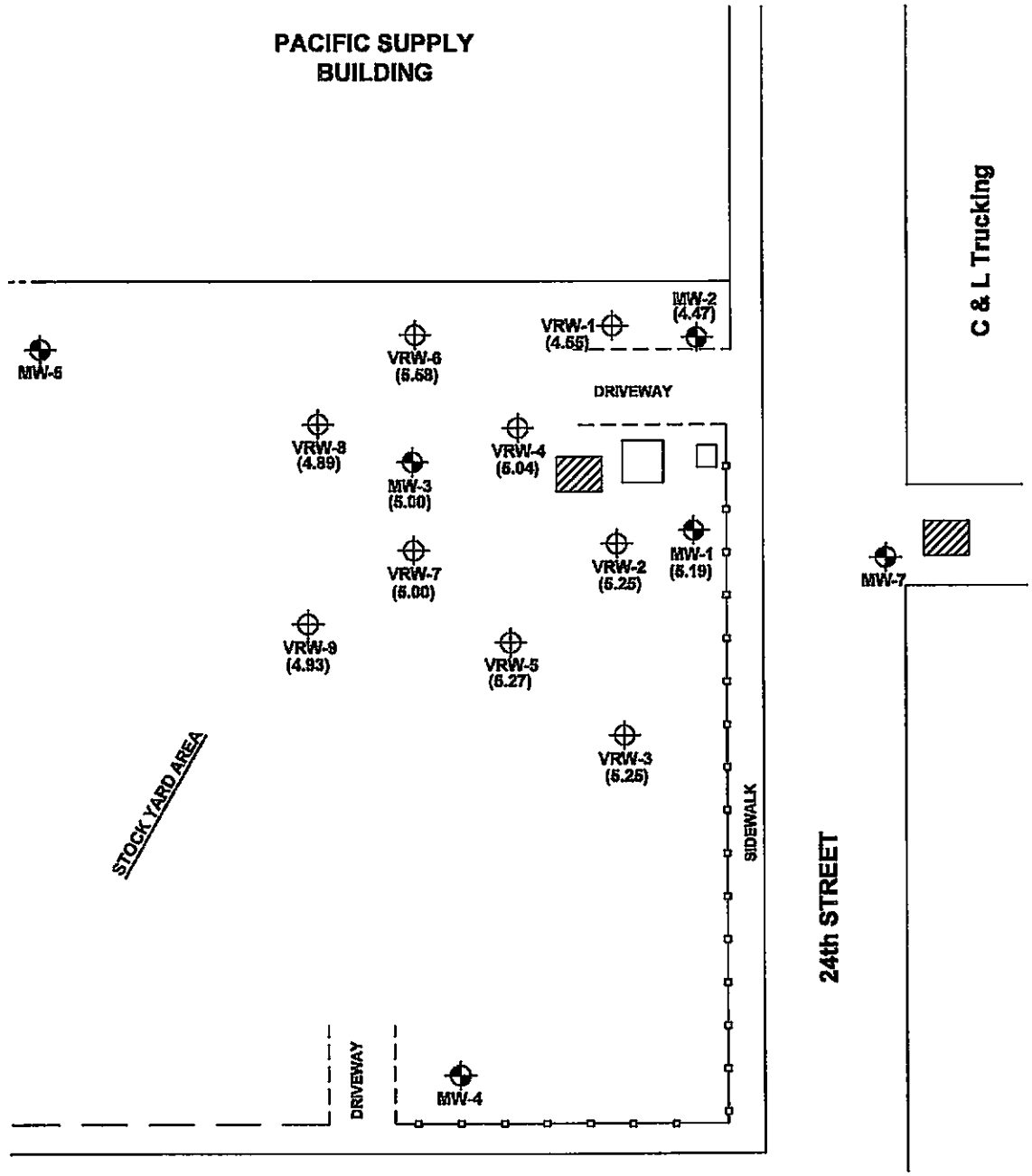


Brunsing Associates, Inc.
5803 Skylane Blvd., Suite A
Windsor, California 95492
Tel: (707) 838-3027

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

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

PLATE
2



LEGEND

MW-6 (4.23)	Monitoring Well Location and Number with Groundwater Elevation in feet above Mean Sea Level (MSL)
VRW-9 (4.22)	Vapor Recovery Well Location and Number with Groundwater Elevation in feet above MSL
	Former UST Locations

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

Job No.: 29
Appr.:
Date: 2/17/06

GROUNDWATER ELEVATIONS
JANUARY 18, 2006
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

UST Fund Site: _____Yes _____No

FIELD REPORT

PAGE _____ OF _____

JOB NO: 29
INITIAL: EJC
DATE: 1/18/06
PROJECT: Pacific Supply
SUBJECT: GW Monitoring
PROJECT PHASE NUMBER:
VEHICLE USED: 2003 Chevy
1999 Ranger 4X4

2003 Chevy Total Time: _____
_____ End. Mileage: 122081
48652 Beg. Mileage: 121900
_____ TOTAL MILEAGE: 181

TIME	DESCRIPTION OF WORK AND CONVERSATION RECORD
1030	Arrived on site
	Set up For GW Sampling
	opened all wells
	Measured Two Rounds of DTW in wells MW-1,2,3 +
	VRW-1,2,3,4,5,6,7
	Performed sampling on wells —
	Stored Purge Water in Drums on The old Remediation
	System
	Closed all wells
	Loaded Equipment
1600	End Work

DRUM COUNT:

Water = Devlpmt Water =
Soil = Decon Water =

Brunsing Associates, Inc.

WATER LEVELS

SHEET____OF____

PROJECT: Pacific Supply PROJECT NUMBER: 29

INSTRUMENT TYPE: Enviro-Tech INITIALS: JLW DATE: 1/18/06

WELL NUMBER	DEPTH TO PRODUCT	DISTANCE TO WATER	TIME (24 HOUR)	EQUILIBRATED (CHECK FOR YES)	NOTES
MW-1		6.27	1230		
MW-2		6.33	1234		
MW-3		6.75	1235		
VRW-1		6.63	1236		
VRW-2		5.83	1237		
VRW-3		6.36	1239		
VRW-4		6.29	1240		
VRW-5		6.30	1241		
VRW-6		5.69	1243		
VRW-7		6.71	1245		
VRW-8		6.73	1246		
VRW-9		6.94	1248		
MW-1		6.28	1308	✓	
MW-2		6.33	1307	✓	
MW-3		6.76	1310	✓	
VRW-1		6.63	1311	✓	
VRW-2		5.83	1312	✓	
VRW-3		6.37	1313	✓	
VRW-4		6.29	1314	✓	
VRW-5		6.29	1315	✓	
VRW-6		5.85	1318		
VRW-7		6.70	1319	✓	
VRW-8		6.73	1320	✓	
VRW-9		6.94	1320	✓	
RW-6		5.85	1322	✓	

WELL SAMPLING

SHEET OF

PROJECT: Pacific Supply PROJECT NUMBER: 29

WELL # MW-1 PRECIP. IN LAST 5 DAYS: Yes WIND NO DATE: 1/18/06

STARTING TIME: 1338 FINISHING TIME: 1415 INITIALS: MW

CALCULATION OF PURGE VOLUME

2" WELL	DEPTH:	19.00	- D.T.W.	6.28	= H20 COLUMN:	12.72	X 0.5 =	6.36	GALLONS
4" WELL	DEPTH:		- D.T.W.		= H20 COLUMN:		X 2.0 =		

THEREFORE TOTAL PURGE GALLONS EQUALS 6

FIELD MEASUREMENTS

TIME	GALLONS REMOVED	pH	CONDUCTIVITY	TEMP.	OBSERVATIONS
1341	1	7.31	4.98	17.3	Black organic odor
	1				
1347	3	7.33	2.68	16.7	Cloudy organic odor
1359	6	7.32	1684	17.0	Cloudy organick ordor

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

SAMPLE TIME: DID WELL GO DRY? NO

WATER LEVELS:	
TIME	D.T.W.
1407	6.35

NOTES:

WELL SAMPLING

SHEET OF

PROJECT: Pacific Supply PROJECT NUMBER: 29

WELL # MW-2 PRECIP. IN LAST 5 DAYS: Yes WIND NS DATE: 1/18/06

STARTING TIME 0740 FINISHING TIME: INITIALS:

CALCULATION OF PURGE VOLUME

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

4" WELL DEPTH: [20.00] - D.T.W. [6.33] = H2O COLUMN: [13.67] X 2.0 = [27.34] GALLONS

THEREFORE TOTAL PURGE GALLONS EQUALS [27]

FIELD MEASUREMENTS

TIME	GALLONS REMOVED	pH	CONDUCTIVITY	TEMP.	OBSERVATIONS
0743	1	7.32	2.98	17.8	Cloudy organic odor
			~~2.59~~	~~18.4~~	
0752	14	7.18	2.59	18.4	Cloudy, organic odor
0907	27	7.20	1659	17.3	Cloudy organic odor

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

SAMPLE TIME: 0908 DID WELL GO DRY? NO

WATER LEVELS:	
TIME	D.T.W.
0820	6.42

NOTES:

It appears that gas's are coming out of solution when I fill VOA's Very hard to get rid of bubbles

Sheet _____ of _____

Project: Pacific supply Job No: W-29

Subject: FIELD CONSTRUCTION OBSERVATION AND TESTING REPORT Date: 1-19-06

From: 7:00 To: _____ From: _____ To: _____ Rept. No.: _____

Equipment in Use: _____ Mileage _____

Job Time: _____ Standby Time: _____ Total Time: _____

UNSATISFACTORY CONDITIONS PREVIOUSLY REPORTED (Give report date only. Circle dates of items corrected in this report and explain below.)

Description of Work and Conversation Record

Arrived onsite at ≈ 7:00 To complete water sampling.

Had Trouble with VRW-7 (slow Recharge)
measured the Total Depth 16.25 FT not 20.00
Recalculated the Volume and was able To complete Sampling.

VRW-9 also was slow in Recharging because pacific supply was closing up for the day sampled at 20 gal Removal not 26.

Left site at ≈ 1650

Windsor = 1900

There are 8 Drums of purged water
1 Empty

Initial JW

WELL SAMPLING

SHEET OF

PROJECT: Pacific Supply PROJECT NUMBER: 29

WELL # MW-3 PRECIP. IN LAST 5 DAYS: Yes WIND NS DATE: 1-19-06

STARTING TIME: 1430 FINISHING TIME: 1454 INITIALS: JLW

CALCULATION OF PURGE VOLUME

2" WELL	DEPTH:	16.00	- D.T.W.	6.76	= H20 COLUMN:	9.24	X 0.5 =	4.62	GALLONS
4" WELL	DEPTH:		- D.T.W.		= H20 COLUMN:		X 2.0 =		

THEREFORE TOTAL PURGE GALLONS EQUALS 5

FIELD MEASUREMENTS

TIME	GALLONS REMOVED	pH	CONDUCTIVITY	TEMP.	OBSERVATIONS
			404	20.0	yellow Clear organic odor
1433	1	7.59			
	3	7.35	4.16	20.1	
1441	5	7.35	4.25	20.4	

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

SAMPLE TIME: 1448 DID WELL GO DRY? NO

WATER LEVELS:	
TIME	D.T.W.
1450	7.38

NOTES:

WELL SAMPLING

SHEET OF

PROJECT: Pacific Supply PROJECT NUMBER: 29

WELL # VRW-1 PRECIP. IN LAST 5 DAYS: Yes WIND No DATE: 1-19-06

STARTING TIME: 0838 FINISHING TIME: 0905 INITIALS: JCW

CALCULATION OF PURGE VOLUME

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

4" WELL DEPTH: [20.00] - D.T.W. [6.63] = H20 COLUMN: [13.37] X 2.0 = [26.74]

THEREFORE TOTAL PURGE GALLONS EQUALS [27]

GALLONS

FIELD MEASUREMENTS

TIME	GALLONS REMOVED	pH	CONDUCTIVITY	TEMP.	OBSERVATIONS
0839	1	7.19	2.94	17.9	Cloudy Organic odor
0848	14	7.25	2.69	18.0	" " "
0857	27	7.18	4.97	19.3	" " "

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

SAMPLE TIME: 0903 DID WELL GO DRY? NO

WATER LEVELS:

TIME	D.T.W.
0905	9.26

NOTES:

WELL SAMPLING

SHEET OF

PROJECT: Pacific Supply PROJECT NUMBER: 29

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

STARTING TIME: 1519 FINISHING TIME: INITIALS:

CALCULATION OF PURGE VOLUME

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

4" WELL DEPTH: [20.00] - D.T.W. [5.83] = H20 COLUMN: [14.17] X 2.0 = [28.34]

GALLONS

THEREFORE TOTAL PURGE GALLONS EQUALS [28]

FIELD MEASUREMENTS

TIME	GALLONS REMOVED	p H	CONDUCTIVITY	TEMP.	OBSERVATIONS
1520	1	7.28	1210	18.1	Cloudy organic odor
1527	14	7.14	1283	19.0	Cloudy organic odor
1532	28	7.15	1325	19.5	

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

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

WATER LEVELS:	
TIME	D.T.W.

NOTES:

WELL SAMPLING

SHEET OF

PROJECT: Pacific Supply PROJECT NUMBER: 29

WELL # VRW-3 PRECIP. IN LAST 5 DAYS: Yes WIND no DATE:

STARTING TIME: 1430 FINISHING TIME: INITIALS:

CALCULATION OF PURGE VOLUME

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

4" WELL DEPTH: [20.00] - D.T.W. [6.37] = H20 COLUMN: [13.63] X 2.0 = [27.26]

THEREFORE TOTAL PURGE GALLONS EQUALS [27.]

GALLONS

FIELD MEASUREMENTS

TIME	GALLONS REMOVED	p H	CONDUCTIVITY	TEMP.	OBSERVATIONS
1431	1	7.17	1603	16.5	Cloudy odor
1439	14	7.15	1021	17.2	" "
1447	27	7.10	529	19.1	" "

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

SAMPLE TIME: 1449 DID WELL GO DRY? NO

WATER LEVELS: TIME	D.T.W.
1454	7.51

NOTES:

WELL SAMPLING

SHEET OF

PROJECT: Pacific Supply PROJECT NUMBER: 29

WELL # VRW-4 PRECIP. IN LAST 5 DAYS: Yes WIND No DATE: 1-19-06

STARTING TIME: 0950 FINISHING TIME: 10:51 INITIALS: JLW

CALCULATION OF PURGE VOLUME

2" WELL	DEPTH:		- D.T.W.		= H20 COLUMN:		X 0.5 =		GALLONS
4" WELL	DEPTH:	20.00	- D.T.W.	6.29	= H20 COLUMN:	13.71	X 2.0 =	27.43	

THEREFORE TOTAL PURGE GALLONS EQUALS 27

FIELD MEASUREMENTS

TIME	GALLONS REMOVED	pH	CONDUCTIVITY	TEMP.	OBSERVATIONS
0955	1	7.11	1408	19.2	Cloudy Organic Odor
1003	14	7.03	3.14	20.7	Silty organic odor
10:37	27	7.50	1486	20.3	Silty organic odor

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

SAMPLE TIME: 1037 DID WELL GO DRY? almost

WATER LEVELS: TIME	D.T.W.
1040	14.28

NOTES:

At ≈ 23 gal got a ± ½" gravel stuck in neck of Bailer

Rope slipped + fell into well fished Toat

WELL SAMPLING

SHEET OF

PROJECT: Pacific Supply PROJECT NUMBER: 29

WELL # VRW-5 PRECIP. IN LAST 5 DAYS: Yes WIND NO DATE: 1-19-06

STARTING TIME: 1108 FINISHING TIME: 1153 INITIALS: JCW

CALCULATION OF PURGE VOLUME

2" WELL	DEPTH:		- D.T.W.		= H2O COLUMN:		X 0.5 =		GALLONS
4" WELL	DEPTH:	20.00	- D.T.W.	6.29	= H2O COLUMN:	13.71	X 2.0 =	27.42	

THEREFORE TOTAL PURGE GALLONS EQUALS 27

FIELD MEASUREMENTS

TIME	GALLONS REMOVED	pH	CONDUCTIVITY	TEMP.	OBSERVATIONS
1112	1	7.97	1305	15.5	Cloudy organic odor
1121	16	7.04	1815	16.2	" " "
	27	7.08	1922	15.0	" " "

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

SAMPLE TIME: 1135 DID WELL GO DRY? NO

WATER LEVELS:	
TIME	D.T.W.
1143	6.68

NOTES:

WELL SAMPLING

SHEET OF

PROJECT: Pacific Supply PROJECT NUMBER: 29

WELL # VRW-6 PRECIP. IN LAST 5 DAYS: Yes WIND No DATE: 1-19-06

STARTING TIME: 1558 FINISHING TIME: INITIALS:

CALCULATION OF PURGE VOLUME

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

4" WELL DEPTH: [20.00] 19.00 - D.T.W. [5.85] 5.85 = H2O COLUMN: [14.15] 13.15 X 2.0 = [28.30] 26.3 GALLONS

THEREFORE TOTAL PURGE GALLONS EQUALS [~~28~~] 26.0

FIELD MEASUREMENTS

TIME	GALLONS REMOVED	pH	CONDUCTIVITY	TEMP.	OBSERVATIONS
			2.93	19.4	Clear organic odor
1559	1	7.74			
1606	14	7.18	3.85	19.9	silty organic odor
1636	28	8.00	1725	19.1	Silty organic odor

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

SAMPLE TIME: 1637 DID WELL GO DRY? Almost

WATER LEVELS:	
TIME	D.T.W.
1615	18.11
1624	18.62
1633	17.44

NOTES:

16 gal Total Depth 19.0 FT

17 gal

WELL SAMPLING

SHEET OF

PROJECT: Pacific Supply PROJECT NUMBER: 29

WELL # VRW-7 PRECIP. IN LAST 5 DAYS: Yes WIND No DATE: 1-19-06

STARTING TIME: 1318 FINISHING TIME: 1413 INITIALS: JKW

CALCULATION OF PURGE VOLUME

2" WELL	DEPTH:		- D.T.W.		= H2O COLUMN:		X 0.5 =		GALLONS
4" WELL	DEPTH:	20.00 (16.25)	- D.T.W.	6.70 (6.70)	= H2O COLUMN:	13.30 (9.55)	X 2.0 =	26.60 (19.1)	

THEREFORE TOTAL PURGE GALLONS EQUALS ~~RT~~ 19

FIELD MEASUREMENTS

TIME	GALLONS REMOVED	pH	CONDUCTIVITY	TEMP.	OBSERVATIONS
1321	1	7.12	3.57	19.6	yellowish clear organic odor
1332	14	7.27	4.77	20.6	silty organic odor
	~~RT~~				
1355	19	7.56	3.52	20.0	yellowish organic odor

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

SAMPLE TIME: 1404 DID WELL GO DRY? No Almost

WATER LEVELS: TIME	D.T.W.
1340	14.96
1407	13.82

NOTES:

Total Depth 16.25'
called BAE Talked with Steve Silva
He said that I could Recalculate the purge volume
To Reflect the Total Depth of water & use the lower
volume.
He also said that I could go onto another well and
come back after it Recharges.

WELL SAMPLING

SHEET OF

PROJECT: Pacific Supply

PROJECT NUMBER: 29

WELL # VRW-8 PRECIP. IN LAST 5 DAYS: yes WIND no DATE: 1-19-06

STARTING TIME: 1217 FINISHING TIME: 1300 INITIALS: JLW

CALCULATION OF PURGE VOLUME

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

4" WELL DEPTH: [20.00] - D.T.W. [6.73] = H20 COLUMN: [13.27] X 2.0 = [26.54]

THEREFORE TOTAL PURGE GALLONS EQUALS [27] GALLONS

FIELD MEASUREMENTS

TIME	GALLONS REMOVED	pH	CONDUCTIVITY	TEMP.	OBSERVATIONS
1219	1	7.12	2.57	17.6	yellowish Clear organic odor
1229	14	7.11	2.74	18.1	Cloudy organic odor
1240	27	7.16	2.56	17.9	Cloudy organic odor

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

SAMPLE TIME: 1241 DID WELL GO DRY? No

WATER LEVELS:

TIME	D.T.W.
1252	6.80

NOTES:

WELL SAMPLING

SHEET OF

PROJECT: Pacific Supply PROJECT NUMBER: 29

WELL # VRW-9 PRECIP. IN LAST 5 DAYS: Yes WIND NW DATE: 1-19-06

STARTING TIME: 1508 FINISHING TIME: 1555 INITIALS: JLW

CALCULATION OF PURGE VOLUME

2" WELL	DEPTH:		- D.T.W.		= H20 COLUMN:		X 0.5 =		GALLONS
4" WELL	DEPTH:	20.00	- D.T.W.	6.94	= H20 COLUMN:	13.06	X 2.0 =	26.12	

THEREFORE TOTAL PURGE GALLONS EQUALS 26

FIELD MEASUREMENTS

TIME	GALLONS REMOVED	pH	CONDUCTIVITY	TEMP.	OBSERVATIONS
1513	1	7.64	338	20.5	yellow organic odor
1522	12	7.45	2.94	20.4	
1533	20	7.46	2.75	20.3	silty, organic odor

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

SAMPLE TIME: 1540 DID WELL GO DRY? N/O

WATER LEVELS:	
TIME	D.T.W.
1544	7.09

NOTES:

APPENDIX B

Analytical Laboratory Report

Laboratory Report Project Overview

EDF 1.2a

Laboratory:	Bace Analytical, Windsor, CA
Lab Report Number:	4740
Project Name:	1735 24TH STREET
Work Order Number:	29.027
Control Sheet Number:	NA

FILE COPY

Case Narrative

Bace Analytical, Windsor, CA

Report Date:	02/07/2006	Project:	1735 24TH STREET
Report Number:	4740	Order #:	29.027

Please be advised that the volatile aromatics analysis (BTEX) required for this sample batch was performed 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 H Patty Date: 2/8/06

Report Summary

Labreport	Sampid	Labsampid	Mtrx	QC	Anmcode	Exmcode	Logdate	Extdate	Anadate	Lablotctl	Run Sub
4740	MW-1	4740-1	W	CS	8260FAB	SW5030B	01/18/2006	01/31/2006	01/31/2006	20060131B	16
4740	MW-1	4740-1	W	CS	8260TPH	SW5030B	01/18/2006	01/31/2006	01/31/2006	20060131B	16
4740	MW-2	4740-2	W	CS	8260FAB	SW5030B	01/19/2006	01/31/2006	01/31/2006	20060131B	19
4740	MW-2	4740-2	W	CS	8260TPH	SW5030B	01/19/2006	01/31/2006	01/31/2006	20060131B	19
4740	MW-3	4740-3	W	CS	8260FAB	SW5030B	01/19/2006	01/31/2006	01/31/2006	20060131B	20
4740	MW-3	4740-3	W	CS	8260TPH	SW5030B	01/19/2006	01/31/2006	01/31/2006	20060131B	20
4740	VRW-1	4740-4	W	CS	8260FAB	SW5030B	01/19/2006	01/31/2006	01/31/2006	20060131B	23
4740	VRW-1	4740-4	W	CS	8260TPH	SW5030B	01/19/2006	01/31/2006	01/31/2006	20060131B	23
4740	VRW-2	4740-5	W	CS	8260FAB	SW5030B	01/18/2006	01/31/2006	01/31/2006	20060131B	24
4740	VRW-2	4740-5	W	CS	8260TPH	SW5030B	01/18/2006	01/31/2006	01/31/2006	20060131B	24
4740	VRW-3	4740-6	W	CS	8260FAB	SW5030B	01/18/2006	01/31/2006	01/31/2006	20060131B	25
4740	VRW-3	4740-6	W	CS	8260TPH	SW5030B	01/18/2006	01/31/2006	01/31/2006	20060131B	25
4740	VRW-4	4740-7	W	CS	8260FAB	SW5030B	01/19/2006	01/31/2006	01/31/2006	20060131B	26
4740	VRW-4	4740-7	W	CS	8260TPH	SW5030B	01/19/2006	01/31/2006	01/31/2006	20060131B	26
4740	VRW-5	4740-8	W	CS	8260FAB	SW5030B	01/19/2006	01/31/2006	01/31/2006	20060131B	27
4740	VRW-5	4740-8	W	CS	8260TPH	SW5030B	01/19/2006	01/31/2006	01/31/2006	20060131B	27
4740	VRW-6	4740-9	W	CS	8260FAB	SW5030B	01/19/2006	01/31/2006	01/31/2006	20060131B	28
4740	VRW-6	4740-9	W	CS	8260TPH	SW5030B	01/19/2006	01/31/2006	01/31/2006	20060131B	28
4740	VRW-7	4740-10	W	CS	8260FAB	SW5030B	01/19/2006	02/01/2006	02/01/2006	20060131B	29
4740	VRW-7	4740-10	W	CS	8260TPH	SW5030B	01/19/200	02/01/200	02/01/200	20060131B	29

Report Summary

Labreport	Sampid	Labsampid	Mtrx	QC	Anmcode	Exmcode	Logdate	Extdate	Anadate	Lablotcti	Run Sub
4740	VRW-8	4740-11	W	CS	8260FAB	SW5030B	01/19/2006	02/01/2006	02/01/2006	20060131B	30
4740	VRW-8	4740-11	W	CS	8260TPH	SW5030B	01/19/2006	02/01/2006	02/01/2006	20060131B	30
4740	VRW-9	4740-12	W	CS	8260FAB	SW5030B	01/19/2006	02/01/2006	02/01/2006	20060131B	31
4740	VRW-9	4740-12	W	CS	8260TPH	SW5030B	01/19/2006	02/01/2006	02/01/2006	20060131B	31
		060131MS	W	NC	8260TPH	SW5030B	/ /	01/31/2006	01/31/2006	20060131B	10
		4740MB	W	LB1	8260FAB	SW5030B	/ /	01/31/2006	01/31/2006	20060131B	2
		4740MB	W	LB1	8260TPH	SW5030B	/ /	01/31/2006	01/31/2006	20060131B	10
		4740MS	W	MS1	8260FAB	SW5030B	/ /	01/31/2006	01/31/2006	20060131B	17
		4740MS	W	MS1	8260TPH	SW5030B	/ /	01/31/2006	01/31/2006	20060131B	21
		4740SD	W	SD1	8260FAB	SW5030B	/ /	01/31/2006	01/31/2006	20060131B	18
		4740SD	W	SD1	8260TPH	SW5030B	/ /	01/31/2006	01/31/2006	20060131B	22

Bace Analytical, Windsor, CA

Lab Report No.: 4740 Date: 02/07/2006

Project Name:	1735 24TH STREET	Analysis:	VOCs by GC/MS Fuel Additives Plus BTEX
Project No:	29.027	Method:	8260FAB
		Prep Meth:	SW5030B
Field ID:	MW-1	Lab Samp ID:	4740-1
Descr/Location:	MW-1	Rec'd Date:	01/20/2006
Sample Date:	01/18/2006	Prep Date:	01/31/2006
Sample Time:	1356	Analysis Date:	01/31/2006
Matrix:	Water	QC Batch:	20060131B
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		102%		1
Toluene-d8		88-110	SLSA		102%		1
Dibromofluoromethane		86-115	SLSA		101%		1

Approved by: William A Patty Date: 2/8/06

Project Name:	1735 24TH STREET	Analysis:	VOCs by GC/MS Fuel Additives Plus BTEX
Project No:	29.027	Method:	8260FAB
		Prep Meth:	SW5030B

Field ID:	MW-2	Lab Samp ID:	4740-2
Descr/Location:	MW-2	Rec'd Date:	01/20/2006
Sample Date:	01/19/2006	Prep Date:	01/31/2006
Sample Time:	0808	Analysis Date:	01/31/2006
Matrix:	Water	QC Batch:	20060131B
Basis:	Not Filtered	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Benzene	1.4	2.5	PQL		15.0	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		11.2	UG/L	5
SURROGATE AND INTERNAL STANDARD RECOVERIES:							
4-Bromofluorobenzene		86-118	SLSA		102%		1
Toluene-d8		88-110	SLSA		100%		1
Dibromofluoromethane		86-115	SLSA		97%		1

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

Approved by: William A Patty Date: 2/8/06

Project Name:	1735 24TH STREET	Analysis:	VOCs by GC/MS Fuel Additives Plus BTEX
Project No:	29.027	Method:	8260FAB
		Prep Meth:	SW5030B

Field ID:	MW-3	Lab Samp ID:	4740-3
Descr/Location:	MW-3	Rec'd Date:	01/20/2006
Sample Date:	01/19/2006	Prep Date:	01/31/2006
Sample Time:	1448	Analysis Date:	01/31/2006
Matrix:	Water	QC Batch:	20060131B
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		0.71	UG/L	1
SURROGATE AND INTERNAL STANDARD RECOVERIES:							
4-Bromofluorobenzene		86-118	SLSA		98%		1
Toluene-d8		88-110	SLSA		98%		1
Dibromofluoromethane		86-115	SLSA		98%		1

Approved by: William H Patty Date: 2/8/06

Project Name:	1735 24TH STREET	Analysis:	VOCs by GC/MS Fuel Additives Plus BTEX
Project No:	29.027	Method:	8260FAB
		Prep Meth:	SW5030B

Field ID:	VRW-1	Lab Samp ID:	4740-4
Descr/Location:	VRW-1	Rec'd Date:	01/20/2006
Sample Date:	01/19/2006	Prep Date:	01/31/2006
Sample Time:	0903	Analysis Date:	01/31/2006
Matrix:	Water	QC Batch:	20060131B
Basis:	Not Filtered	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Benzene	0.27	0.50	PQL		6.98	UG/L	1
Toluene	0.25	0.50	PQL		1.41	UG/L	1
Ethylbenzene	0.25	0.50	PQL		ND	UG/L	1
Xylenes	0.25	0.50	PQL		3.18	UG/L	1
SURROGATE AND INTERNAL STANDARD RECOVERIES:							
4-Bromofluorobenzene		86-118	SLSA		99%		1
Toluene-d8		88-110	SLSA		99%		1
Dibromofluoromethane		86-115	SLSA		97%		1

Approved by: William A Pott Date: 2/8/06

Project Name:	1735 24TH STREET	Analysis:	VOCs by GC/MS Fuel Additives Plus BTEX
Project No:	29.027	Method:	8260FAB
		Prep Meth:	SW5030B

Field ID:	VRW-2	Lab Samp ID:	4740-5
Descr/Location:	VRW-2	Rec'd Date:	01/20/2006
Sample Date:	01/18/2006	Prep Date:	01/31/2006
Sample Time:	1531	Analysis Date:	01/31/2006
Matrix:	Water	QC Batch:	20060131B
Basis:	Not Filtered	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Benzene	1.4	2.5	PQL		280.	UG/L	5
Toluene	1.3	2.5	PQL		ND	UG/L	5
Ethylbenzene	1.3	2.5	PQL		3.81	UG/L	5
Xylenes	1.3	2.5	PQL		7.54	UG/L	5
SURROGATE AND INTERNAL STANDARD RECOVERIES:							
4-Bromofluorobenzene		86-118	SLSA		100%		1
Toluene-d8		88-110	SLSA		101%		1
Dibromofluoromethane		86-115	SLSA		97%		1

Approved by: William A Patty Date: 2/8/06

Project Name:	1735 24TH STREET	Analysis:	VOCs by GC/MS Fuel Additives Plus BTEX
Project No:	29.027	Method:	8260FAB
		Prep Meth:	SW5030B

Field ID:	VRW-3	Lab Samp ID:	4740-6
Descr/Location:	VRW-3	Rec'd Date:	01/20/2006
Sample Date:	01/18/2006	Prep Date:	01/31/2006
Sample Time:	1449	Analysis Date:	01/31/2006
Matrix:	Water	QC Batch:	20060131B
Basis:	Not Filtered	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Benzene	0.27	0.50	PQL		2.30	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		1.46	UG/L	1
SURROGATE AND INTERNAL STANDARD RECOVERIES:							
4-Bromofluorobenzene		86-118	SLSA		99%		1
Toluene-d8		88-110	SLSA		100%		1
Dibromofluoromethane		86-115	SLSA		96%		1

Approved by: William H Patty Date: 2/8/06

Project Name:	1735 24TH STREET	Analysis:	VOCs by GC/MS Fuel Additives Plus BTEX
Project No:	29.027	Method:	8260FAB
		Prep Meth:	SW5030B

Field ID:	VRW-4	Lab Samp ID:	4740-7
Descr/Location:	VRW-4	Rec'd Date:	01/20/2006
Sample Date:	01/19/2006	Prep Date:	01/31/2006
Sample Time:	1037	Analysis Date:	01/31/2006
Matrix:	Water	QC Batch:	20060131B
Basis:	Not Filtered	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Benzene	14.	25.	PQL		1670.	UG/L	50
Toluene	13.	25.	PQL		196.	UG/L	50
Ethylbenzene	13.	25.	PQL		270.	UG/L	50
Xylenes	13.	25.	PQL		324.	UG/L	50
SURROGATE AND INTERNAL STANDARD RECOVERIES:							
4-Bromofluorobenzene		86-118	SLSA		98%		1
Toluene-d8		88-110	SLSA		100%		1
Dibromofluoromethane		86-115	SLSA		97%		1

Approved by: William H Patty Date: 2/8/06

Project Name:	1735 24TH STREET	Analysis:	VOCs by GC/MS Fuel Additives Plus BTEX
Project No:	29.027	Method:	8260FAB
		Prep Meth:	SW5030B

Field ID:	VRW-5	Lab Samp ID:	4740-8
Descr/Location:	VRW-5	Rec'd Date:	01/20/2006
Sample Date:	01/19/2006	Prep Date:	01/31/2006
Sample Time:	1136	Analysis Date:	01/31/2006
Matrix:	Water	QC Batch:	20060131B
Basis:	Not Filtered	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Benzene	1.4	2.5	PQL		65.4	UG/L	5
Toluene	1.3	2.5	PQL		ND	UG/L	5
Ethylbenzene	1.3	2.5	PQL		31.4	UG/L	5
Xylenes	1.3	2.5	PQL		33.4	UG/L	5
SURROGATE AND INTERNAL STANDARD RECOVERIES:							
4-Bromofluorobenzene		86-118	SLSA		99%		1
Toluene-d8		88-110	SLSA		100%		1
Dibromofluoromethane		86-115	SLSA		97%		1

Approved by: _____ Date: 2/8/06

Project Name:	1735 24TH STREET	Analysis:	VOCs by GC/MS Fuel Additives Plus BTEX
Project No:	29.027	Method:	8260FAB
		Prep Meth:	SW5030B

Field ID:	VRW-6	Lab Samp ID:	4740-9
Descr/Location:	VRW-6	Rec'd Date:	01/20/2006
Sample Date:	01/19/2006	Prep Date:	01/31/2006
Sample Time:	1637	Analysis Date:	01/31/2006
Matrix:	Water	QC Batch:	20060131B
Basis:	Not Filtered	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Benzene	0.27	0.50	PQL		3.96	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		1.25	UG/L	1
SURROGATE AND INTERNAL STANDARD RECOVERIES:							
4-Bromofluorobenzene		86-118	SLSA		98%		1
Toluene-d8		88-110	SLSA		99%		1
Dibromofluoromethane		86-115	SLSA		96%		1

Approved by: William H Patty Date: 2/8/06

Project Name:	1735 24TH STREET	Analysis:	VOCs by GC/MS Fuel Additives Plus BTEX
Project No:	29.027	Method:	8260FAB
		Prep Meth:	SW5030B

Field ID:	VRW-7	Lab Samp ID:	4740-10
Descr/Location:	VRW-7	Rec'd Date:	01/20/2006
Sample Date:	01/19/2006	Prep Date:	02/01/2006
Sample Time:	1404	Analysis Date:	02/01/2006
Matrix:	Water	QC Batch:	20060131B
Basis:	Not Filtered	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Benzene	0.54	1.0	PQL		86.8	UG/L	2
Toluene	0.50	1.0	PQL		3.63	UG/L	2
Ethylbenzene	0.50	1.0	PQL		6.89	UG/L	2
Xylenes	0.50	1.0	PQL		9.04	UG/L	2
SURROGATE AND INTERNAL STANDARD RECOVERIES:							
4-Bromofluorobenzene		86-118	SLSA		100%		1
Toluene-d8		88-110	SLSA		107%		1
Dibromofluoromethane		86-115	SLSA		98%		1

Approved by: William H Patty Date: 2/8/06

Project Name:	1735 24TH STREET	Analysis:	VOCs by GC/MS Fuel Additives Plus BTEX
Project No:	29.027	Method:	8260FAB
		Prep Meth:	SW5030B

Field ID:	VRW-8	Lab Samp ID:	4740-11
Descr/Location:	VRW-8	Rec'd Date:	01/20/2006
Sample Date:	01/19/2006	Prep Date:	02/01/2006
Sample Time:	1241	Analysis Date:	02/01/2006
Matrix:	Water	QC Batch:	20060131B
Basis:	Not Filtered	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Benzene	1.4	2.5	PQL		18.1	UG/L	5
Toluene	1.3	2.5	PQL		4.26	UG/L	5
Ethylbenzene	1.3	2.5	PQL		ND	UG/L	5
Xylenes	1.3	2.5	PQL		8.30	UG/L	5
SURROGATE AND INTERNAL STANDARD RECOVERIES:							
4-Bromofluorobenzene		86-118	SLSA		98%		1
Toluene-d8		88-110	SLSA		100%		1
Dibromofluoromethane		86-115	SLSA		96%		1

Approved by: William H Patty Date: 2/8/06

Project Name:	1735 24TH STREET	Analysis:	VOCs by GC/MS Fuel Additives Plus BTEX
Project No:	29.027	Method:	8260FAB
		Prep Meth:	SW5030B

Field ID:	VRW-9	Lab Samp ID:	4740-12
Descr/Location:	VRW-9	Rec'd Date:	01/20/2006
Sample Date:	01/19/2006	Prep Date:	02/01/2006
Sample Time:	1540	Analysis Date:	02/01/2006
Matrix:	Water	QC Batch:	20060131B
Basis:	Not Filtered	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Benzene	0.54	1.0	PQL		2.04	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		4.91	UG/L	2
SURROGATE AND INTERNAL STANDARD RECOVERIES:							
4-Bromofluorobenzene		86-118	SLSA		102%		1
Toluene-d8		88-110	SLSA		99%		1
Dibromofluoromethane		86-115	SLSA		98%		1

Approved by: William H Patty Date: 2/8/06

Project Name:	1735 24TH STREET	Analysis:	Total Petroleum Hydrocarbons (TPH) by GC/MS
Project No:	29.027	Method:	8260TPH
		Prep Meth:	SW5030B
Field ID:	MW-1	Lab Samp ID:	4740-1
Descr/Location:	MW-1	Rec'd Date:	01/20/2006
Sample Date:	01/18/2006	Prep Date:	01/31/2006
Sample Time:	1356	Analysis Date:	01/31/2006
Matrix:	Water	QC Batch:	20060131B
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		70-130	SLSA		102%		1

Approved by: William H Patty Date: 2/8/06

Project Name:	1735 24TH STREET	Analysis:	Total Petroleum Hydrocarbons (TPH) by GC/MS
Project No:	29.027	Method:	8260TPH
		Prep Meth:	SW5030B

Field ID:	MW-2	Lab Samp ID:	4740-2
Descr/Location:	MW-2	Rec'd Date:	01/20/2006
Sample Date:	01/19/2006	Prep Date:	01/31/2006
Sample Time:	0808	Analysis Date:	01/31/2006
Matrix:	Water	QC Batch:	20060131B
Basis:	Not Filtered	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Gasoline Range Organics (C5-C12)	0.20	0.25	PQL		3.6	MG/L	5
SURROGATE AND INTERNAL STANDARD RECOVERIES:							
4-Bromofluorobenzene		70-130	SLSA		102%		1

Approved by: William H Patty Date: 2/8/06

Project Name:	1735 24TH STREET	Analysis:	Total Petroleum Hydrocarbons (TPH) by GC/MS
Project No:	29.027	Method:	8260TPH
		Prep Meth:	SW5030B

Field ID:	MW-3	Lab Samp ID:	4740-3
Descr/Location:	MW-3	Rec'd Date:	01/20/2006
Sample Date:	01/19/2006	Prep Date:	01/31/2006
Sample Time:	1448	Analysis Date:	01/31/2006
Matrix:	Water	QC Batch:	20060131B
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		70-130	SLSA		98%		1

Approved by: William H Patty Date: 2/8/06

Project Name:	1735 24TH STREET	Analysis:	Total Petroleum Hydrocarbons (TPH) by GC/MS
Project No:	29.027	Method:	8260TPH
		Prep Meth:	SW5030B
Field ID:	VRW-1	Lab Samp ID:	4740-4
Descr/Location:	VRW-1	Rec'd Date:	01/20/2006
Sample Date:	01/19/2006	Prep Date:	01/31/2006
Sample Time:	0903	Analysis Date:	01/31/2006
Matrix:	Water	QC Batch:	20060131B
Basis:	Not Filtered	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Gasoline Range Organics (C5-C12)	0.04	0.05	PQL		0.53	MG/L	1
SURROGATE AND INTERNAL STANDARD RECOVERIES:							
4-Bromofluorobenzene		70-130	SLSA		99%		1

Approved by: William H Patty Date: 2/8/06

Project Name:	1735 24TH STREET	Analysis:	Total Petroleum Hydrocarbons (TPH) by GC/MS
Project No:	29.027	Method:	8260TPH
		Prep Meth:	SW5030B

Field ID:	VRW-2	Lab Samp ID:	4740-5
Descr/Location:	VRW-2	Rec'd Date:	01/20/2006
Sample Date:	01/18/2006	Prep Date:	01/31/2006
Sample Time:	1531	Analysis Date:	01/31/2006
Matrix:	Water	QC Batch:	20060131B
Basis:	Not Filtered	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Gasoline Range Organics (C5-C12)	0.20	0.25	PQL		3.8	MG/L	5
SURROGATE AND INTERNAL STANDARD RECOVERIES:							
4-Bromofluorobenzene		70-130	SLSA		100%		1

Approved by: William M Patty Date: 2/8/06

Project Name:	1735 24TH STREET	Analysis:	Total Petroleum Hydrocarbons (TPH) by GC/MS
Project No:	29.027	Method:	8260TPH
		Prep Meth:	SW5030B
Field ID:	VRW-3	Lab Samp ID:	4740-6
Descr/Location:	VRW-3	Rec'd Date:	01/20/2006
Sample Date:	01/18/2006	Prep Date:	01/31/2006
Sample Time:	1449	Analysis Date:	01/31/2006
Matrix:	Water	QC Batch:	20060131B
Basis:	Not Filtered	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Gasoline Range Organics (C5-C12)	0.04	0.05	PQL		0.18	MG/L	1
SURROGATE AND INTERNAL STANDARD RECOVERIES:							
4-Bromofluorobenzene		70-130	SLSA		98%		1

Approved by: _____ Date: 2/8/06

Project Name:	1735 24TH STREET	Analysis:	Total Petroleum Hydrocarbons (TPH) by GC/MS
Project No:	29.027	Method:	8260TPH
		Prep Meth:	SW5030B
Field ID:	VRW-4	Lab Samp ID:	4740-7
Descr/Location:	VRW-4	Rec'd Date:	01/20/2006
Sample Date:	01/19/2006	Prep Date:	01/31/2006
Sample Time:	1037	Analysis Date:	01/31/2006
Matrix:	Water	QC Batch:	20060131B
Basis:	Not Filtered	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Gasoline Range Organics (C5-C12)	2.0	2.5	PQL		7.8	MG/L	50
SURROGATE AND INTERNAL STANDARD RECOVERIES:							
4-Bromofluorobenzene		70-130	SLSA		98%		1

Approved by: William A Patty Date: 2/8/06

Project Name:	1735 24TH STREET	Analysis:	Total Petroleum Hydrocarbons (TPH) by GC/MS
Project No:	29.027	Method:	8260TPH
		Prep Meth:	SW5030B
Field ID:	VRW-5	Lab Samp ID:	4740-8
Descr/Location:	VRW-5	Rec'd Date:	01/20/2006
Sample Date:	01/19/2006	Prep Date:	01/31/2006
Sample Time:	1136	Analysis Date:	01/31/2006
Matrix:	Water	QC Batch:	20060131B
Basis:	Not Filtered	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Gasoline Range Organics (C5-C12)	0.20	0.25	PQL		1.8	MG/L	5
SURROGATE AND INTERNAL STANDARD RECOVERIES:							
4-Bromofluorobenzene		70-130	SLSA		99%		1

Approved by: William H Patty Date: 2/8/06

Project Name:	1735 24TH STREET	Analysis:	Total Petroleum Hydrocarbons (TPH) by GC/MS
Project No:	29.027	Method:	8260TPH
		Prep Meth:	SW5030B

Field ID:	VRW-6	Lab Samp ID:	4740-9
Descr/Location:	VRW-6	Rec'd Date:	01/20/2006
Sample Date:	01/19/2006	Prep Date:	01/31/2006
Sample Time:	1637	Analysis Date:	01/31/2006
Matrix:	Water	QC Batch:	20060131B
Basis:	Not Filtered	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Gasoline Range Organics (C5-C12)	0.04	0.05	PQL		0.13	MG/L	1
SURROGATE AND INTERNAL STANDARD RECOVERIES:							
4-Bromofluorobenzene		70-130	SLSA		98%		1

Approved by: William H Patty Date: 2/8/06

Project Name:	1735 24TH STREET	Analysis:	Total Petroleum Hydrocarbons (TPH) by GC/MS
Project No:	29.027	Method:	8260TPH
		Prep Meth:	SW5030B

Field ID:	VRW-7	Lab Samp ID:	4740-10
Descr/Location:	VRW-7	Rec'd Date:	01/20/2006
Sample Date:	01/19/2006	Prep Date:	02/01/2006
Sample Time:	1404	Analysis Date:	02/01/2006
Matrix:	Water	QC Batch:	20060131B
Basis:	Not Filtered	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Gasoline Range Organics (C5-C12)	0.08	0.10	PQL		1.6	MG/L	2
SURROGATE AND INTERNAL STANDARD RECOVERIES:							
4-Bromofluorobenzene		70-130	SLSA		100%		1

Approved by: _____ Date: 2/8/06

Project Name:	1735 24TH STREET	Analysis:	Total Petroleum Hydrocarbons (TPH) by GC/MS
Project No:	29.027	Method:	8260TPH
		Prep Meth:	SW5030B
Field ID:	VRW-8	Lab Samp ID:	4740-11
Descr/Location:	VRW-8	Rec'd Date:	01/20/2006
Sample Date:	01/19/2006	Prep Date:	02/01/2006
Sample Time:	1241	Analysis Date:	02/01/2006
Matrix:	Water	QC Batch:	20060131B
Basis:	Not Filtered	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Gasoline Range Organics (C5-C12)	0.20	0.25	PQL		4.8	MG/L	5
SURROGATE AND INTERNAL STANDARD RECOVERIES:							
4-Bromofluorobenzene		70-130	SLSA		98%		1

Approved by: _____ Date: 2/8/06

Project Name:	1735 24TH STREET	Analysis:	Total Petroleum Hydrocarbons (TPH) by GC/MS
Project No:	29.027	Method:	8260TPH
		Prep Meth:	SW5030B

Field ID:	VRW-9	Lab Samp ID:	4740-12
Descr/Location:	VRW-9	Rec'd Date:	01/20/2006
Sample Date:	01/19/2006	Prep Date:	02/01/2006
Sample Time:	1540	Analysis Date:	02/01/2006
Matrix:	Water	QC Batch:	20060131B
Basis:	Not Filtered	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Gasoline Range Organics (C5-C12)	0.08	0.10	PQL		1.0	MG/L	2
SURROGATE AND INTERNAL STANDARD RECOVERIES:							
4-Bromofluorobenzene		70-130	SLSA		102%		1

Approved by: William H Patty Date: 2/8/06

QA/QC Report
Method Blank Summary

Bace Analytical, Windsor, CA

Lab Report No.: 4740 Date: 02/07/2006

QC Batch:	20060131B	Analysis:	VOCs by GC/MS Fuel Additives Plus BTEX
Matrix:	Water	Method:	8260FAB
Lab Samp ID:	4740MB	Prep Meth:	SW5030B
Analysis Date:	01/31/2006	Prep Date:	01/31/2006
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		103%		1
Toluene-d8		88-110	SLSA		100%		1
Dibromofluoromethane		86-115	SLSA		100%		1

QA/QC Report
Method Blank Summary

Bace Analytical, Windsor, CA

Lab Report No.: 4740 Date: 02/07/2006

QC Batch:	20060131B	Analysis:	Total Petroleum Hydrocarbons (TPH) by
Matrix:	Water	Method:	8260TPH
Lab Samp ID:	4740MB	Prep Meth:	SW5030B
Analysis Date:	01/31/2006	Prep Date:	01/31/2006
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		70-130	SLSA		103%		1

QA/QC Report
Matrix Spike/Duplicate Matrix Spike Summary

Bace Analytical, Windsor, CA

Lab Report No.: 4740 Date: 02/07/2006

QC Batch: 20060131B
Matrix: Water
Lab Samp ID: 4740MS
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: 060131MS

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	0.40	0.40	ND	0.39	0.33	MG/L	97.5	82.5	17	130-70	MSA	20MSP
4-Bromofluorobenzene	8260TPH	100.	100.	103.	98.	96.	PERCENT	98.0	96.0	2.1	130-70	SLSA	20SLSP

QA/QC Report
Matrix Spike/Duplicate Matrix Spike Summary

Bace Analytical, Windsor, CA

Lab Report No.: 4740 Date: 02/07/2006

QC Batch: 20060131B
Matrix: Water
Lab Samp ID: 4740MS
Basis: Not Filtered

Project Name: 1735 24TH STREET
Project No.: 29.027
Field ID: MW-1
Lab Ref ID: 4740-1

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	9.33	8.97	UG/L	93.3	89.7	3.9	127-76	MSA	20MSP
Ethylbenzene	8260FAB	10.0	10.0	ND	9.04	9.02	UG/L	90.4	90.2	0.22	130-70	MSA	20MSP
Toluene	8260FAB	10.0	10.0	ND	9.18	8.90	UG/L	91.8	89.0	3.1	125-76	MSA	20MSP
Xylenes	8260FAB	30.0	30.0	ND	27.1	26.8	UG/L	90.3	89.3	1.1	130-70	MSA	20MSP
4-Bromofluorobenzene	8260FAB	100.	100.	102.	97.	97.	PERCENT	97.0	97.0	0.00	118-86	SLSA	20SLSP
Dibromofluoromethane	8260FAB	100.	100.	101.	98.	98.	PERCENT	98.0	98.0	0.00	115-86	SLSA	20SLSP
Toluene-d8	8260FAB	100.	100.	102.	99.	100.	PERCENT	99.0	100	1.0	110-88	SLSA	20SLSP

Chain-of Custody Form

Project #	Project Name			No. of Containers	Analysis												C.O.C. No. 11886
29.024	Pacific Supply 1735 24th St Oakland				TPH Gas	BTEX (EPA 8021)											
L.P. No.	Sampler's Signature																Remarks:
Date Sampled	Sample I.D.	Time (24 Hour)	Sample Type														
11/19/06	MW-1	1356	H2O	4	X	X											4740-1
11/19/06	MW-2	0808		4	X	X											-2
11/19/06	MW-3	1448		4	X	X											-3
11/19/06	VRW-1	0903		4	X	X											-4
11/19/06	VRW-2	1531		4	X	X											-5
11/19/06	VRW-3	1449		4	X	X											-6
11/19/06	VRW-4	1037		4	X	X											-7
11/19/06	VRW-5	1136		4	X	X											-8
11/19/06	VRW-6	1637		4	X	X											-9
11/19/06	VRW-7	1404		4	X	X											-10
11/19/06	VRW-8	1241		4	X	X											-11
11/19/06	VRW-9	1540		4	X	X											-12

Laboratory: Lennex

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

Relinquished by: (signed) Jan L. Wright	Date/Time 11/20/06 0952	Received by: (signed) [illegible]	11/20/06 952	Remarks: Standard TAT Results To Diana Dickerson
Relinquished by: (signed)	Date/Time	Received by: (signed) [illegible]		
Relinquished by: (signed)	Date/Time	Received for Laboratory by: (signed)		

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