

Att. Jennifer Eberle



BACE Environmental

A Division Of

Brunsing Associates, Inc.

October 26, 1995

Project No. 29.7/12

Ms. Normita Callison
Pacific Coast Building Products
4290 Roseville Road
North Highlands, California 95660

**RE: Quarterly Monitoring Report: September 1995
Pacific Supply Company
1735 24th Street
Oakland, California**

Dear Ms. Callison:

This report has been prepared to document groundwater monitoring and summarize the on-going operation of the soil vapor extraction and treatment system. This work was performed by BACE Environmental, a division of Brunsing Associates, Inc. (BAI) at the Pacific Supply Company property at 1735 24th Street, Oakland, California.

Scope of Work

The scope of work performed during this reporting period included testing for the existence of free product, calculating groundwater elevations, and collecting groundwater samples from on-site monitoring wells MW-1 through MW-5 and off-site wells MW-6 and MW-7 (Plate 1). In addition, BAI continued the operation of the vapor extraction system (VES).

Site Background

Monitoring wells MW-1 through MW-5 were constructed in September, 1988 as the first phase of a 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.

Vapor recovery wells VRW-1 though VRW-9 were constructed in August, 1993 as part of a vapor recovery system. Installation of these wells were documented in a February 7, 1994 report. A vapor extraction system was installed in the fall of 1993 and began operation on December 26, 1993. This system consists of an internal combustion engine with a spray aeration tank for treatment of groundwater and activated carbon treatment of groundwater prior to 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)

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system. Current discharge permits are in place with the Bay Area Air Quality Management District (BAAQMD) for vapor emissions and East Bay Municipal Utility District (EBMUD) for treated groundwater discharge.

Table 1 is a cumulative summary of the groundwater analytical data and groundwater elevation data available for the site.

Groundwater Elevations

Depth to groundwater measurements were obtained on September 21, 1995 for wells MW-1 through MW-7. The groundwater depths and elevations relative to mean sea level are shown on Plate 1 and in Table 1 with the analytical data. The groundwater flow direction appears to be predominately to the north. Groundwater flow in the vicinity of the former UST location appears to be towards well MW-1. On the east side of the site the flow appears to the northwest toward MW-4. Monitoring well MW-7 continues to indicate an anomalously low groundwater elevation by a magnitude of several feet.

Groundwater Sampling

Groundwater monitoring wells MW-1 through MW-7 were sampled on September 21, 1995 using the methods described in Appendix A. Free product was not found in any of the wells. Groundwater samples were transported to BACE Analytical and Field Services (BAFS) for analyses using the following analytical methods:

- Total Petroleum Hydrocarbons (TPH) as gasoline
-EPA Test Method 5030/GCFID;
- Benzene, Toluene, Ethylbenzene and Xylenes (BTEX)
-EPA Test Method 5030/8020;

Groundwater Analytical Results

The monitoring shows a reduction in the concentrations of petroleum hydrocarbons at all monitoring locations. Monitoring well MW-2 is the only on-site well with a reported concentration of TPH as gasoline greater than 1.0 milligrams/liter (mg/l). No concentration of TPH as gasoline or BTEX was found in monitoring well MW-5 sample. Well MW-5 is located approximately 150 feet southwest of the former UST location in a historically upgradient or cross gradient direction. No concentration of TPH as gasoline or BTEX has been reported in well MW-7 since monitoring started.

Monitoring wells MW-4 and MW-6 which are upgradient from the location of the former on-site USTs indicate the presence of TPH as gasoline but no Benzene,



Ms. Normita Callison
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Toluene, Ethylbenzene and Xylenes. The groundwater elevation in off-site well MW-6, which is adjacent to the Yellow Cab site UST location shows a higher concentration than in well MW-4. These results are consistent with the migration of contaminants to the northwest from the Yellow Cab site onto the Pacific Supply Company site.

Analytical laboratory results for the September 21, 1995 groundwater monitoring round are summarized in Table 1. The TPH as gasoline results are shown on Plate 2. The laboratory report and Chain-of-Custody form for this sampling event are included in Appendix B.

Vapor Extraction System Update

During the current reporting period, July 1, 1995 to September 31, 1995, the VES operated for 1,575 non-continuous hours (69 percent operational). The treatment system removed and destroyed an estimated 829 pounds of gasoline vapor during the current reporting period. An estimated cumulative quantity of 5,260 pounds of gasoline has been removed since system start-up. This estimate is based on measured well flow and the concentration of hydrocarbons in the soil vapor. The historical concentrations of petroleum hydrocarbons in the extracted soil vapor are included in Table 2.

Recommendations

BAI recommends that no additional monitoring of on-site well MW-5 and off-site well MW-7 be completed. No petroleum hydrocarbons have been reported in the groundwater sample from well MW-5 after the first monitoring event in October 1988 and no petroleum hydrocarbons have been reported in the groundwater samples from well MW-7 to date.

If you have any questions, please contact Joel Bruxvoort at (415) 364-9030.

Sincerely,

Joel Bruxvoort /deh

Joel Bruxvoort
Project Geologist

Diana M. Dickerson

Diana M. Dickerson R.G., R.E.A.
Senior Geologist



cc: Jennifer Eberle, Alameda County Health Agency
Tony DeJohn, Pacific Supply Company



List of Attachments

Table 1 - Analytical Data Summary

Table 2 - Soil Gas Concentrations

Plate 1- Groundwater Elevations, September 21, 1995

Plate 2- Total Petroleum Hydrocarbons as Gasoline,
September 21, 1995

Appendix A- Monitoring Well Sampling Protocol

Appendix B - Analytical Laboratory Report



Table 1
ANALYTICAL DATA SUMMARY
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
MW-1	10/14/88	7.99	0.88	1.1	1.1	ND	-	ND	-
MW-1	12/29/89	7.74	1.13	ND	ND	ND	ND	ND	ND (1)
MW-1	5/28/92	7.81	1.06	ND	ND	ND	ND	ND	0.003(2)
MW-1	9/3/92	7.90	0.97	ND	ND	ND	ND	ND	0.12 (2)
MW-1	11/24/92	7.90	0.97	ND	ND	ND	ND	ND	0.017 (2)
MW-1	3/9/93	7.38	1.49	ND	ND	ND	ND	ND	ND (1)
MW-1	7/21/93	7.68	1.19	ND	ND	ND	ND	ND	ND (1)
MW-1	11/3/93	7.83	1.04	ND	ND	ND	ND	ND	ND (1)
MW-1	2/1/94	7.30	1.57	ND	ND	ND	ND	ND	ND (1)
MW-1	6/2/94	7.43	1.44	ND	ND	ND	ND	ND	ND (1)
MW-1	9/1/94	7.70	1.17	ND	ND	ND	ND	ND	ND (1)
MW-1	12/13/94	6.90	1.97	ND	ND	ND	ND	ND	-
MW-1	3/7/95	7.30	1.57	0.06	3.8	ND	ND	ND	-
MW-1	6/9/95	7.87	1.00	0.09	12	0.8	0.5	1.3	-
MW-1	9/21/95	7.67	1.20	ND	4.1	ND	ND	ND	-



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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
MW-2	10/14/88	7.29	0.85	11	23	20	-	16	-
MW-2	12/29/89	6.87	1.27	4	200	6.7	ND	ND	0.22 (1)
MW-2	5/28/92	6.92	1.22	8.9	550	48	ND	13	ND (2)
MW-2	9/3/92	7.26	0.88	2.1	760	6.2	1.8	5.1	0.006 (2)
MW-2	11/24/92	7.28	0.86	4.2	370	15	3.4	9.5	ND (2)
MW-2	3/9/93	6.73	1.41 <i>high</i>	4.3	280	14	3.7	7.1	ND (1)
MW-2	7/21/93	7.02	1.12	3.4	250	9.6	2.5	11	ND(1)
MW-2	11/4/93	7.22	0.92	2.5	230	7.8	2.1	9.9	ND(1)
MW-2	2/1/94	6.93	1.21	3.4	240	17	ND	15	ND(1)
MW-2	6/2/94	6.86	1.28	3.0	150	9.8	3.0	10	ND(1)
MW-2	9/1/94	7.10	1.04	2.1	120	9.8	2.0	9.6	ND(1)
MW-2	12/13/94	6.58	1.56 <i>high</i>	2.0	200	10	2.7	11	-
MW-2	3/7/95	6.69	1.45 <i>high</i>	3.0	500	15	5.8	16	-
MW-2	6/9/95	7.00	1.14	2.1	300	14	5.8	13	-
MW-2	9/21/95	6.91	1.23	1.6 ↓	120 ↓	9.6	ND	15	-



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MW-3	10/14/88	8.25	0.88	3.4	ND	ND	-	2.8	-
MW-3	12/29/89	7.79	1.34	ND	ND	ND	ND	ND	0.205 (1)
MW-3	5/28/92	7.83	1.30	ND	0.8	0.5	ND	ND	0.016 (2)
MW-3	9/3/92	8.22	0.91	ND	ND	ND	ND	ND	0.033 (2)
MW-3	11/24/92	8.29	0.84	ND	ND	ND	ND	ND	0.011 (2)
MW-3	3/9/93	7.30	1.83	0.1	1.8	ND	ND	ND	ND(1)
MW-3	7/21/93	7.87	1.26	ND	ND	ND	ND	ND	ND(1)
MW-3	11/4/93	8.23	0.90	0.07	0.6	0.5	ND	ND	ND(1)
MW-3	2/1/94	7.56	1.57	ND	ND	ND	ND	ND	ND(1)
MW-3	6/2/94	7.46	1.67	0.06	ND	ND	ND	ND	ND(1)
MW-3	9/1/94	7.83	1.30	0.07	1.7	0.9	ND	ND	ND(1)
MW-3	12/13/94	7.07	2.06	0.06	1.4	ND	ND	ND	-
MW-3	3/8/95	7.27	1.86	0.06	1.5	ND	ND	ND	-
MW-3	6/9/95	7.79	1.34	0.10	5.7	ND	ND	ND	-
MW-3	9/21/95	7.87	1.26	ND ↓	1.5 ↓	ND	ND	ND	-



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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
MW-4	10/14/88	8.33	0.74	4.6	1.2	ND	-	2.2	-
MW-4	12/29/89	8.08	0.99	0.5	0.7	ND	ND	ND	ND (1)
MW-4	5/28/92	8.19	0.88	0.27	8.8	1	ND	3.2	0.030 (2)
MW-4	9/3/92	8.37	0.70	0.20	4.5	4.4	ND	1.9	0.022 (2)
MW-4	11/24/92	8.28	0.79	0.14	3.2	3.2	ND	1.0	0.005 (2)
MW-4	3/9/93	7.98	1.09	0.47	10	ND	ND	2.5	ND (1)
MW-4	7/21/93	8.17	0.90	0.28	4.4	5.9	ND	ND	ND(1)
MW-4	11/4/93	8.14	0.93	0.08	1.3	1.6	ND	ND	ND(1)
MW-4	2/1/94	7.79	1.28	0.08	ND	ND	ND	ND	ND(1)
MW-4	6/2/94	7.53	1.54	0.30	3.1	2.9	ND	0.8	ND(1)
MW-4	9/1/94	7.69	1.38	0.12	1.6	ND	ND	ND	ND(1)
MW-4	12/13/94	6.70	2.37	ND	ND	ND	ND	ND	-
MW-4	3/8/95	6.83	2.24	0.09	ND	ND	ND	ND	-
MW-4	6/9/95	7.66	1.41	0.19	ND	ND	ND	ND	-
MW-4	9/21/95	7.93	1.14	0.09	ND	ND	ND	ND	-



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MW-5	10/14/88	8.04	0.89	3.2	ND	ND	-	ND	-
MW-5	12/29/89	7.40	1.53	ND	ND	ND	ND	ND	ND (1)
MW-5	5/28/92	7.53	1.40	ND	ND	ND	ND	ND	0.008 (2)
MW-5	9/3/92	8.02	0.91	ND	ND	ND	ND	ND	0.034 (2)
MW-5	11/24/92	7.75	1.18	ND	ND	ND	ND	ND	0.011 (2)
MW-5	3/9/93	6.91	2.02	ND	ND	ND	ND	ND	ND (1)
MW-5	7/21/93	7.57	1.36	ND	ND	ND	ND	ND	ND(1)
MW-5	11/4/93	7.77	1.16	ND	ND	ND	ND	ND	ND(1)
MW-5	2/1/94	7.05	1.88	ND	ND	ND	ND	ND	ND(1)
MW-5	6/2/94	7.18	1.75	ND	ND	ND	ND	ND	ND(1)
MW-5	9/1/94	7.53	1.40	ND	ND	ND	ND	ND	-
MW-5	3/8/95	6.67	2.26	ND	ND	ND	ND	ND	-
MW-5	6/9/95	7.33	1.60	ND	ND	ND	ND	ND	-
MW-5	9/21/95	7.67	1.26	ND	ND	ND	ND	ND	-



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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
MW-6	12/29/89	5.02	1.11	1.1	5.4	4.5	ND	ND	ND (1)
MW-6	3/9/93	5.10	1.03	2.3	2.3	2.8	ND	3.1	ND (1)
MW-6	7/21/93	5.23	0.90	0.59	ND	7.6	ND	ND	ND(1)
MW-6	11/4/93	5.25	0.88	1.5	ND	1.2	ND	0.7	ND(1)
MW-6	2/1/94	5.05	1.08	1.9	2.5	3.9	1.6	1.1	ND(1)
MW-6	6/2/94	4.49	1.64	1.3	ND	1	ND	ND	ND(1)
MW-6	9/1/94	4.53	1.60	2.2	ND	1.7	ND	ND	ND(1)
MW-6	12/13/94	4.27	1.86	0.66 (3)	ND	ND	ND	ND	-
MW-6	3/8/95	3.37	2.76	1.0 (3)	ND	ND	ND	ND	-
MW-6	6/9/95	4.40	1.73	1.5	ND	3.3	ND	ND	-
MW-6	9/21/95	4.69	1.44	0.28 ↓	ND	ND	ND	ND	-



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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
MW-7	12/29/89	8.35	-3.32	ND	ND	ND	ND	ND	0.235 (1)
MW-7	3/9/93	13.60	-8.57	ND	ND	ND	ND	ND	ND (1)
MW-7	7/21/93	12.59	-7.56	ND	ND	ND	ND	ND	ND(1)
MW-7	11/4/93	9.84	-4.81	ND	ND	ND	ND	ND	ND(1)
MW-7	2/1/94	10.38	-5.35	ND	ND	ND	ND	ND	ND(1)
MW-7	6/2/94	10.10	-5.07	ND	ND	ND	ND	ND	ND(1)
MW-7	9/1/94	9.63	-4.60	ND	ND	ND	ND	ND	ND(1)
MW-7	12/13/94	11.27	-6.24	ND	ND	ND	ND	ND	-
MW-7	3/7/95	9.68	-4.65	ND	ND	ND	ND	ND	-
MW-7	6/9/95	9.37	-4.34	ND	ND	ND	ND	ND	-
MW-7	9/21/95	9.43	-4.40	ND	ND	ND	ND	ND	-

Notes:

(1) Organic Lead

(2) Total Lead

(3) Chromatographic peak array does not match gasoline standard

ND = not detected at laboratory reporting limit

µg/L = micrograms per liter

mg/L = milligrams per liter

- = not analyzed

MSL = mean seal level

Groundwater elevations based on the following well casing elevations:

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 (9.68').



Table 2
SOIL GAS CONCENTRATIONS
Pacific Supply Company
1735 24th Street, Oakland, California

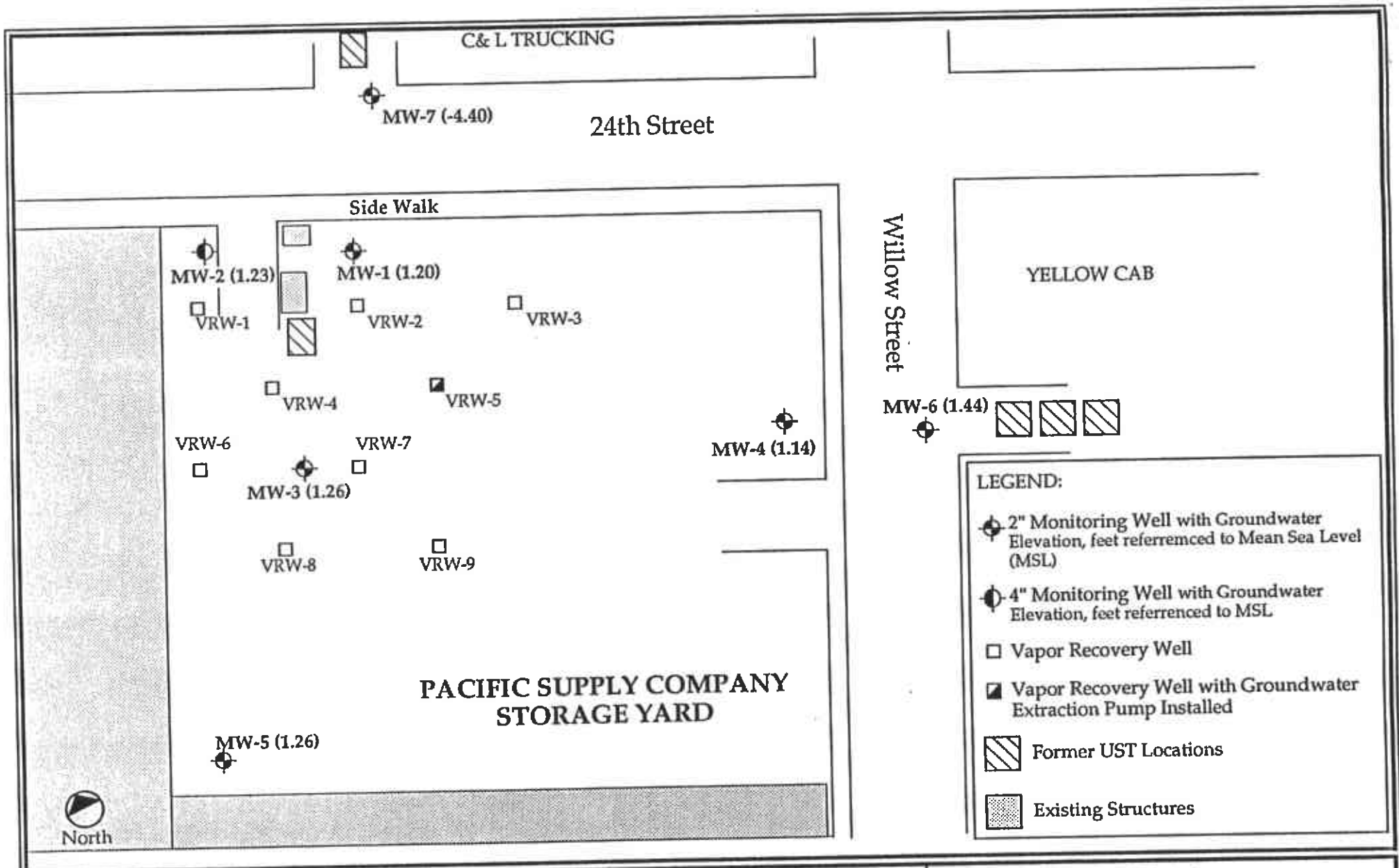
Date Sampled	TPH-gas PPMV	Soil Gas Treatment System Influent				Hydrocarbon Destruction Rate (pounds/day)	Cummulative Hydrocarbons Destroyed (pounds)
		Benzene PPMV	Toluene PPMV	Ethylbenzene PPMV	Xylenes PPMV		
12/27/93	6,800	380	230	19	58	-	-
12/28/93	11,000	340	430	28	92	-	-
12/29/93	9,400	340	270	16	48	-	-
1/13/94	7,600	200	260	280	100	-	-
1/26/94	7,900	270	270	15	29	-	-
2/11/94	5,600	170	190	7.6	21	-	-
2/23/94	3,300	100	140	15	46	-	-
3/14/94	3,200	56	85	6.7	30	-	-
3/23/94	1,400	19	53	6.2	22	-	-
4/21/94	1,100	15	23	ND	3.7	-	-
5/2/94	1,200	9.4	18	1.4	6.9	-	-
5/16/94	1,400	25	43	4.6	18	-	-
6/1/94	680	6.6	8.5	1.5	8.3	-	-
6/13/94	980	9.4	17	2.1	7.2	-	-
8/1/94	2,200	81	96	12	41	-	-
8/15/94	11,000	280	380	140	550	-	-
8/30/94	3,300	110	150	27	100	15.9	1,866
9/13/94	18,000	13	11	9.2	28	63.2	2,511
9/26/94	11,000	280	500	96	350	24.8	3,147
10/10/94	9,500	390	820	170	660	17.1	3,394
10/28/94	2,000	73	130	23	99	7.0	3,482
11/8/94	4,000	110	200	46	170	21.6	3,488
11/21/94	3,300	60	110	20	96	13.5	3,490
12/22/94	570	14	8.8	10	9.0	2.8	3,491
1/5/95	370	10	9.3	2.8	9.2	2.3	3,525
2/13/95	3,100	48	89	27	130	5.6	3,628
2/27/95	3,100	47	51	19	78	8.4	3,660
3/13/95	1,600	24	17	6.0	25	13.0	3,749
5/15/95	1,700	26	25	9.3	27	11.5	3,812
5/30/95	5,000	90	34	13	46	33.8	4,012
6/12/95	2,300	34	31	9.3	30	20.2	4,233
6/26/95	1,200	15	14	2.0	12	15.8	4,409
7/10/95	4,100	62	40	17.0	62	15.8	4,456
7/24/95	2,300	29	30	9.6	43	9.5	4,551
7/31/95	1,600	29	27	11.0	48	7.5	4,600
8/10/95	1,500	19	20	6.8	25	15.0	4,687
8/19/95	1,200	14	16	4.8	20	16.2	4,767
9/5/95	1,100	18	18	4.1	15	13.7	4,984
9/18/95	900	15	16	4.8	17	12.2	5,115
10/2/95	1,000	15	22	6.1	30	11.3	5,260

Notes:

PPMV = parts per million by volume
 - = specific calculation not completed
 TPH = Total Petroleum Hydrocarbons

10 lb/day is low





PROJECT NUMBER: 29.7
 PACIFIC SUPPLY COMPANY
 OAKLAND, CALIFORNIA

DRAWING NUMBER: 29.7-01

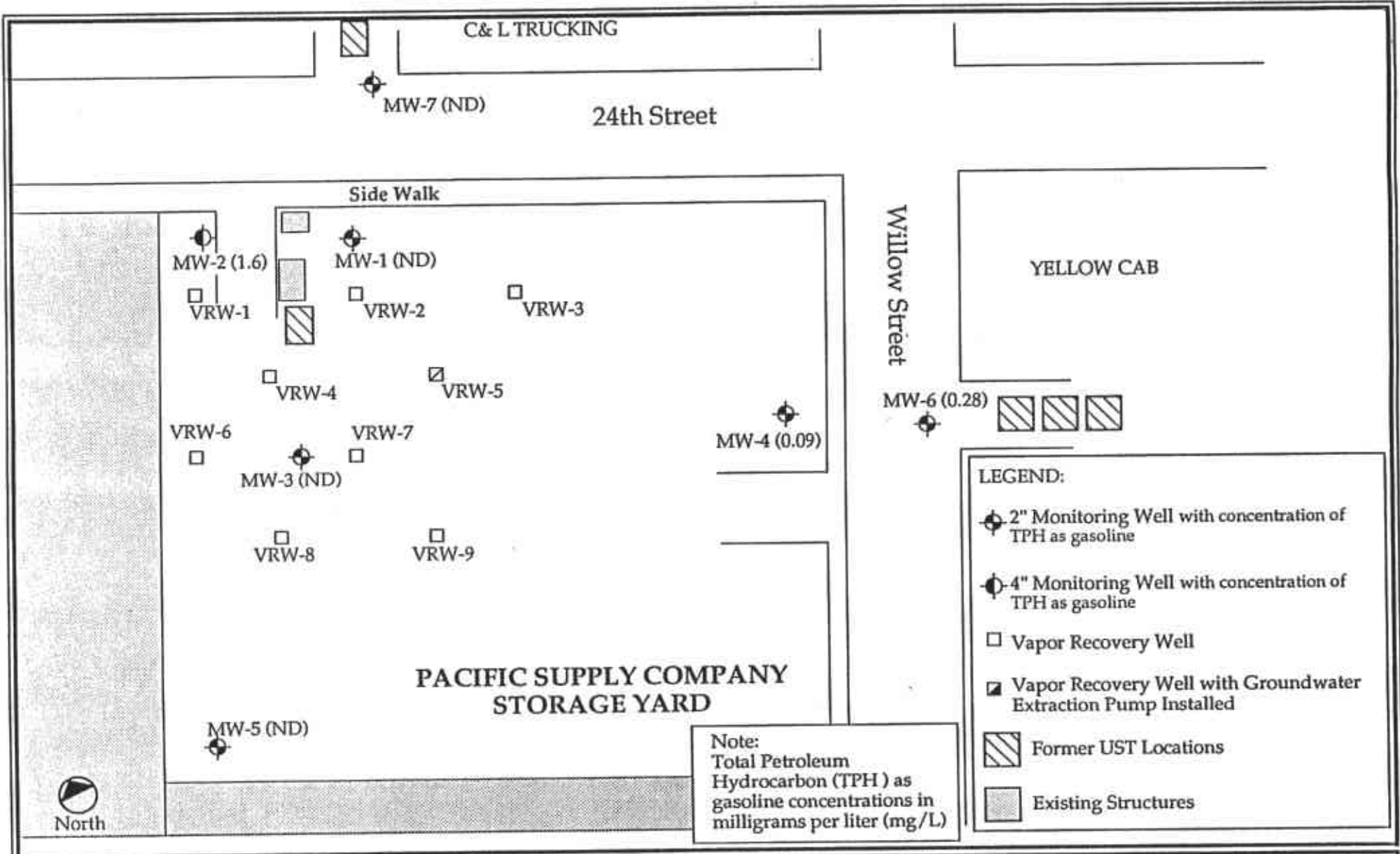
DRAWN BY: JBB 10/19/95

APPROVED BY: *Dm* 10/26/95

SCALE: 1 Inch = 50 Feet

BACE Environmental
A Division of
Brunsing Associates, Inc.

Plate 1
 Groundwater Elevations
 September 21, 1995
 Pacific Supply Company
 1735 24th Street
 Oakland, California



PROJECT NUMBER: 29.7
 PACIFIC SUPPLY COMPANY
 OAKLAND, CALIFORNIA

DRAWING NUMBER: 29.7-01

DRAWN BY: JBB 10/19/95

APPROVED BY: *WMO* 10/26/95

SCALE: 1 Inch = 50 Feet

BACE Environmental
A Division of
Brunsing Associates, Inc.

Plate 2
 Total Petroleum Hydrocarbons as gasoline
 September 21, 1995
 Pacific Supply Company
 1735 24th Street
 Oakland, California

APPENDIX A
Monitoring Well Sampling Protocol



Monitoring Well Sampling Protocol

Prior to purging of each monitoring well, the groundwater level is measured and a single bailer full of water is retrieved from the well to check for floating product. The monitoring well is then 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 stabilizes. If wells go dry during purging, the wells are allowed to recover to 80 percent of original water level prior to sampling.

A single groundwater sample is collected from each monitoring well following re-equilibration of each well after purging. Individual log sheets are maintained throughout the sampling operations. The following information is recorded:

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

The sample is collected in the following manner:

- A hand-operated, factory-sealed, disposable, polyethylene bailer with sampling port is used for collecting all water samples. A factory provided attachment designed for use with volatile organic compounds (VOCs) is attached to the sampling port when collecting samples to be analyzed for VOCs.
- The sample container(s) are obtained directly from the analytical laboratory. Sample bottles, bottle caps, and septa are protected from solvent contact, dust or other contamination between time of receipt by the field sampler and time of actual usage at the sampling site.

The sample container is labeled with a self-adhesive tag. Field personnel label the tag, using waterproof ink, with the following information:

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



Following collection, the sample is immediately stored on blue ice in an appropriate container. A Chain-of-Custody Record is completed with the following information:

- Date the sample was taken
- 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 Record accompanies the sample containers to a California-certified laboratory. The duplicate copy is retained by the BAI representative who sampled the well.

Sampling equipment is cleaned both before and after their use at the sampling location. Thermometers, pH electrodes, and conductivity probes are also cleaned.

The following cleaning procedures are used:

- Scrub with a detergent-potable water 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.

Cleaning solutions are added to the storage tank for processing on-site by the permitted groundwater treatment system prior to discharging to the sanitary sewer.



APPENDIX B
Analytical Laboratory Report





**BACE Analytical
& Field Services, Inc.**

October 10, 1995

Log No: 2298

Laboratory Certification Number: 1264

BACE Environmental
a division of
Brunsing Associates, Inc.
P. O. Box 588
Windsor, California 95492

ATTN: Joel Bruxvoort

RE: Results of the analyses of groundwater samples obtained for project number
29.7 on September 21, 1995.

Dear Mr. Bruxvoort,

This letter serves to confirm the analytical results previously communicated to you.
Should any questions arise concerning procedure or results, please feel free to
contact us.

Sincerely,

William G. Rotz
Director, Mobile Analytical Services

Tami Hucke Norgrove
Laboratory Manager

Client: BACE Environmental
Client Contact: Joel Bruxvoort

Sample Date: 9/21/95
Analysis Date: 10/4/95

BAFS Log No: 2298

METHOD: EPA 5030/8020

Matrix: Water

Parameter	Reporting Limit ug/l	Lab No: Descriptor:	Results - µg/l	
			2298-1 (MW-1)	2298-2 (MW-2)
Benzene	0.5		4.1	120 ^B
Toluene	0.5		ND	9.6
Ethylbenzene	0.5		ND	ND
Xylenes (total)	0.5		ND	15
Dilution Factor:			1	1

METHOD: 5030 / GC FID

Parameter	Reporting Limit mg/l	Lab No: Descriptor:	Results - mg/l	
			2298-1 (MW-1)	2298-2 (MW-2)
TPH - gasoline	0.05		ND	1.6
Dilution Factor:			1	1

NOTE: ND = not detected.
B = Dilution Factor = 10



Client: BACE Environmental
Client Contact: Joel Bruxvoort

Sample Date: 9/21/95
Analysis Date: 10/4/95

BAFS Log No: 2298

METHOD: EPA 5030/8020

Matrix: Water

Parameter	Reporting Limit ug/l	Lab No: Descriptor:	Results - µg/l	
			2298-3 (MW-3)	2298-4 (MW-4)
Benzene	0.5		1.5	ND
Toluene	0.5		ND	ND
Ethylbenzene	0.5		ND	ND
Xylenes (total)	0.5		ND	ND
Dilution Factor:			1	1

METHOD: 5030 / GC FID

Parameter	Reporting Limit mg/l	Lab No: Descriptor:	Results - mg/l	
			2298-3 (MW-3)	2298-4 (MW-4)
TPH - gasoline	0.05		ND	0.09
Dilution Factor:			1	1

NOTE: ND = not detected.



Client: BACE Environmental
Client Contact: Joel Bruxvoort

Sample Date: 9/21/95
Analysis Date: 10/4/95

BAFS Log No: 2298

METHOD: EPA 5030/8020

Matrix: Water

Parameter	Reporting Limit ug/l	Lab No: Descriptor:	Results - µg/l	
			2298-5 (MW-5)	2298-6 (MW-6)
Benzene	0.5		ND	ND
Toluene	0.5		ND	ND
Ethylbenzene	0.5		ND	ND
Xylenes (total)	0.5		ND	ND
Dilution Factor:			1	1

METHOD: 5030 / GC FID

Parameter	Reporting Limit mg/l	Lab No: Descriptor:	Results - mg/l	
			2298-5 (MW-5)	2298-6 (MW-6)
TPH - gasoline	0.05		ND	0.28A
Dilution Factor:			1	1

NOTE: ND = not detected.

A = A chromatographic peak array does not match that of commercial gasoline standard.



Client: BACE Environmental
Client Contact: Joel Bruxvoort

Sample Date: 9/21/95
Analysis Date: 10/4/95

BAFS Log No: 2298

METHOD: EPA 5030/8020

Matrix: Water

Parameter	Reporting Limit µg/l	Lab No: Descriptor:	Results - µg/l 2298-7 (MW-7)
Benzene	0.5		ND
Toluene	0.5		ND
Ethylbenzene	0.5		ND
Xylenes (total)	0.5		ND
Dilution Factor:			1

METHOD: 5030 / GC FID

Parameter	Reporting Limit mg/l	Lab No: Descriptor:	Results - mg/l 2298-7 (MW-7)
TPH - gasoline	0.05		ND
Dilution Factor:			1

NOTE: ND = not detected.



**SUMMARY OF
LABORATORY RESULTS ***

Pacific Supply - Project No. 29.7

WATER

Lab Number	Descriptor	Sampling Date	TPH-gasoline mg/l	Benzene µg/l	Toluene µg/l	Ethylbenzene µg/l	Xylenes µg/l
2298-1	MW-1	9/21/95	ND	4.1	ND	ND	ND
2298-2	MW-2	9/21/95	1.6	120	9.6	ND	15
2298-3	MW-3	9/21/95	ND	1.5	ND	ND	ND
2298-4	MW-4	9/21/95	0.09	ND	ND	ND	ND
2298-5	MW-5	9/21/95	ND	ND	ND	ND	ND
2298-6	MW-6	9/21/95	0.28	ND	ND	ND	ND
2298-7	MW-7	9/21/95	ND	ND	ND	ND	ND

** See original laboratory report dated 10/10/95 for complete results.*



QUALITY CONTROL SUMMARY

Client: BACE Environmental
Client Contact: Joel Bruxvoort
Sample Date: 9/21/95
Analysis Date: 10/4 & 5/95

BAFS Log No. : 2298

Matrix: Water

Parameter	% RECOVERY				
	CCV%*	Blank	Spike	Spike Dup	RPD
Gasoline	102	ND	106	110	3.7
Benzene	103	ND	103	98	5.0
Toluene	100	ND	101	97	4.0
Ethylbenzene	95	ND	91	90	1.1
Xylene	92	ND	95	92	3.2

* Continuous Calibration Verification Standard




PROJ. NO. 29.7	PROJECT NAME Pacific Supply	NO. OF CONTAINERS	ANALYSIS TPH, CAS, BTEX										No 1959										
L.P. NO.	SAMPLERS: (Signature) Chris Scott												REMARKS										
DATE	SAMPLE I.D.	TYPE																					
9-21-95	MW-1	WATER	3	X																			0298-1
	MW-2			X																			-2
	MW-3			X																			-3
	MW-4			X																			-4
	MW-5			X																			-5
	MW-6			X																			-6
	MW-7			X																			-7

LABORATORY: BAFS

Relinquished by: (Signature) Chris Scott	Date/Time 9/21/95 1856	Received by: (Signature)
Relinquished by: (Signature)	Date/Time	Received by: (Signature)
Relinquished by: (Signature)	Date/Time	Received for Laboratory by: (Signature) Tim [Signature]

Remarks
Results to:
Joel Buxhoevet



BRUNSG ASSOCIATES, INC.

Offices:

PO Box 588 Windsor CA 95492 707-838-3027	1735 E. Bayshore Rd., 2A Redwood City CA 94063 415-364-9031	1515 Ninth Street Rock Springs WY 82901 307-362-9277
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