BACE Environmental
A Division Of
Brunsing Associates, Inc.

94 JUL 26 PM 3:41

July 20, 1994

Project No. 29.7

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

RE: Quarterly Groundwater Monitoring Report: June 1994
Pacific Supply Company
1735 24th Street
Oakland, California

Dear Ms. Callison:

This report has been prepared to document groundwater monitoring performed by BACE Environmental, a division of Brunsing Associates, Inc. (BAI) at the Pacific Supply Company property located 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 for on-site monitoring wells MW-1 through MW-5 and off-site wells MW-6 and MW-7 (Plate 1).

Site Background

Monitoring wells MW-1 through MW-5 were constructed starting on September 13, 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. Table 1 is a cumulative summary of the groundwater analytical data available for the wells as documented in the March 23, 1990 Report of Findings and subsequent quarterly groundwater monitoring reports.

Groundwater Elevations

Depth to groundwater measurements were obtained on June 2, 1994 for wells MW-1 through MW-7. The groundwater depths and elevations relative to mean sea level are summarized in Table 2. As shown on Plate 1, variations in the groundwater elevations suggest a complex groundwater flow regime at the site. Groundwater flow generally appears to be consistent with previous data which indicate groundwater flowing beneath the site from the southwest corner of the property at well MW-5, to the north towards wells MW-1 and MW-2 and to the east towards wells MW-4 and MW-6. The local flow direction near wells MW-1 and MW-2 is generally to the northwest as typically observed during previous monitoring rounds. 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 June 2, 1994 using the methods described in Appendix A. Free product was not found in any of the wells. Water samples were transported to BACE Analytical and Field Services (BAFS) and National Environmental Testing, Inc. (NET) for analyses of petroleum hydrocarbon constituents and organic lead 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;

- Organic Lead
  -SWRCB LUFT Method.

Groundwater Analytical Results

Analytical laboratory results for the June 2, 1994 groundwater monitoring round are summarized in Table 1. The TPH as gasoline results are shown on Plate 2. The laboratory reports and Chain-of-Custody form pertaining to the sampling of monitoring wells MW-1 through MW-7 are included in Appendix B.

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

Sincerely,

Joel Bruxvoort
Staff Geologist

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

REGISTERED GEOLOGIST
DIANA M. DICKERSON
NO. 6013
Expires 3/29/96
STATE OF CALIFORNIA

Attachments:
Table 1 – Analytical Data Summary
Table 2 – Groundwater Elevation Data
Plate 1- Groundwater Elevations, June 2, 1994
Plate 2- Total Petroleum Hydrocarbons as Gasoline, June 2, 1994
Appendix A- Monitoring Well Sampling Protocol
Appendix B -Analytical Laboratory Reports

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

TABLE 1
ANALYTICAL DATA SUMMARY
PACIFIC SUPPLY COMPANY

Well Identification	Sampling Date	TPH (gasoline) mg/L	Benzene µg/L	Toluene µg/L	Ethylbenzene µg/L	Xylenes µg/L	Lead mg/L
MW-1	10/14/88	1.1	1.1	ND	–	ND	–
MW-1	12/29/89	ND	ND	ND	ND	ND	ND (1)
MW-1	5/28/92	ND	ND	ND	ND	ND	0.003(2)
MW-1	9/3/92	ND	ND	ND	ND	ND	0.12 (2)
MW-1	11/24/92	ND	ND	ND	ND	ND	0.017 (2)
MW-1	3/9/93	ND	ND	ND	ND	ND	ND (1)
MW-1	7/21/93	ND	ND	ND	ND	ND	ND (1)
MW-1	11/3/93	ND	ND	ND	ND	ND	ND (1)
MW-1	2/1/94	ND	ND	ND	ND	ND	ND (1)
MW-1	**6/2/94**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND (1)**

Well Identification	Sampling Date	TPH (gasoline) mg/L	Benzene µg/L	Toluene µg/L	Ethylbenzene µg/L	Xylenes µg/L	Lead mg/L
MW-2	10/14/88	11	23	20	–	16	–
MW-2	12/29/89	4	200	6.7	ND	ND	0.22 (1)
MW-2	5/28/92	8.9	550	48	ND	13	ND (2)
MW-2	9/3/92	2.1	760	6.2	1.8	5.1	0.006 (2)
MW-2	11/24/92	4.2	370	15	3.4	9.5	ND (2)
MW-2	3/9/93	4.3	280	14	3.7	7.1	ND (1)
MW-2	7/21/93	3.4	250	9.6	2.5	11	ND(1)
MW-2	11/4/93	2.5	230	7.8	2.1	9.9	ND(1)
MW-2	2/1/94	3.4	240	17	ND	15	ND(1)
MW-2	**6/2/94**	**3.0**	**150**	**9.8**	**3.0**	**10**	**ND(1)**

TABLE 1
ANALYTICAL DATA SUMMARY
PACIFIC SUPPLY COMPANY

Well Identification	Sampling Date	TPH (gasoline) mg/L	Benzene µg/L	Toluene µg/L	Ethylbenzene µg/L	Xylenes µg/L	Lead mg/L
MW-3	10/14/88	3.4	ND	ND	–	2.8	–
MW-3	12/29/89	ND	ND	ND	ND	ND	0.205 (1)
MW-3	5/28/92	ND	0.8	0.5	ND	ND	0.016 (2)
MW-3	9/3/92	ND	ND	ND	ND	ND	0.033 (2)
MW-3	11/24/92	ND	ND	ND	ND	ND	0.011 (2)
MW-3	3/9/93	0.1	1.8	ND	ND	ND	ND(1)
MW-3	7/21/93	ND	ND	ND	ND	ND	ND(1)
MW-3	11/4/93	0.07	0.6	0.5	ND	ND	ND(1)
MW-3	2/1/94	ND	ND	ND	ND	ND	ND(1)
MW-3	**6/2/94**	**0.06**	**ND**	**ND**	**ND**	**ND**	**ND(1)**

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Well Identification	Sampling Date	TPH (gasoline) mg/L	Benzene µg/L	Toluene µg/L	Ethylbenzene µg/L	Xylenes µg/L	Lead mg/L
MW-4	10/14/88	4.6	1.2	ND	–	2.2	–
MW-4	12/29/89	0.5	0.7	ND	ND	ND	ND (1)
MW-4	5/28/92	0.27	8.8	1	ND	3.2	0.030 (2)
MW-4	9/3/92	0.20	4.5	4.4	ND	1.9	0.022 (2)
MW-4	11/24/92	0.14	3.2	3.2	ND	1.0	0.005 (2)
MW-4	3/9/93	0.47	10	ND	ND	2.5	ND (1)
MW-4	7/21/93	0.28	4.4	5.9	ND	ND	ND(1)
MW-4	11/4/93	0.08	1.3	1.6	ND	ND	ND(1)
MW-4	2/1/94	0.08	ND	ND	ND	ND	ND(1)
MW-4	**6/2/94**	**0.30**	**3.1**	**2.9**	**ND**	**0.8**	**ND(1)**

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TABLE 1
ANALYTICAL DATA SUMMARY
PACIFIC SUPPLY COMPANY

Well Identification	Sampling Date	TPH (gasoline) mg/L	Benzene µg/L	Toluene µg/L	Ethylbenzene µg/L	Xylenes µg/L	Lead mg/L
MW-5	10/14/88	3.2	ND	ND	–	ND	–
MW-5	12/29/89	ND	ND	ND	ND	ND	ND (1)
MW-5	5/28/92	ND	ND	ND	ND	ND	0.008 (2)
MW-5	9/3/92	ND	ND	ND	ND	ND	0.034 (2)
MW-5	11/24/92	ND	ND	ND	ND	ND	0.011 (2)
MW-5	3/9/93	ND	ND	ND	ND	ND	ND (1)
MW-5	7/21/93	ND	ND	ND	ND	ND	ND(1)
MW-5	11/4/93	ND	ND	ND	ND	ND	ND(1)
MW-5	2/1/94	ND	ND	ND	ND	ND	ND(1)
MW-5	**6/2/94**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND(1)**

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Well Identification	Sampling Date	TPH (gasoline) mg/L	Benzene µg/L	Toluene µg/L	Ethylbenzene µg/L	Xylenes µg/L	Lead mg/L
MW-6	12/29/89	1.1	5.4	4.5	ND	ND	ND (1)
MW-6	3/9/93	2.3	2.3	2.8	ND	3.1	ND (1)
MW-6	7/21/93	0.59	ND	7.6	ND	ND	ND(1)
MW-6	11/4/93	1.5	ND	1.2	ND	0.7	ND(1)
MW-6	2/1/94	1.9	2.5	3.9	1.6	1.1	ND(1)
MW-6	**6/2/94**	**1.3**	**ND**	**1.0**	**ND**	**ND**	**ND(1)**

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TABLE 1
ANALYTICAL DATA SUMMARY
PACIFIC SUPPLY COMPANY

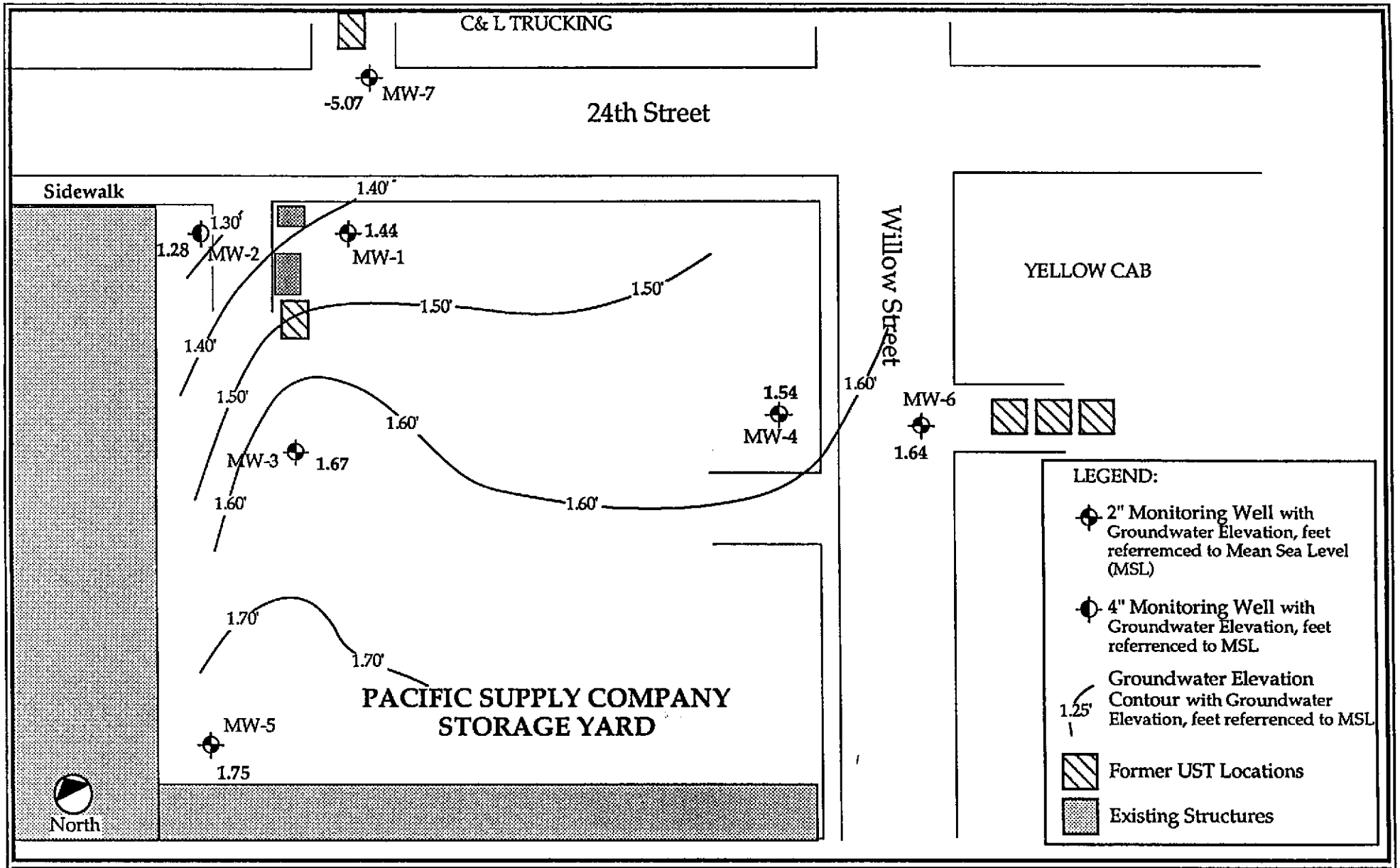
Well Identification	Sampling Date	TPH (gasoline) mg/L	Benzene µg/L	Toluene µg/L	Ethylbenzene µg/L	Xylenes µg/L	Lead mg/L
MW-7	12/29/89	ND	ND	ND	ND	ND	0.235 (1)
MW-7	3/9/93	ND	ND	ND	ND	ND	ND (1)
MW-7	7/21/93	ND	ND	ND	ND	ND	ND(1)
MW-7	11/4/93	ND	ND	ND	ND	ND	ND(1)
MW-7	2/1/94	ND	ND	ND	ND	ND	ND(1)
MW-7	**6/2/94**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND(1)**

Notes:
(1) Organic Lead
(2) Total Lead
ND = not detected at laboratory reporting limit
µg/L = micrograms per liter
mg/L = milligrams per liter

TABLE 2
GROUNDWATER ELEVATION DATA
PACIFIC SUPPLY COMPANY

Well Identification	Date Measured	Elevation of Casing (ft, MSL)	Depth to Water (ft)	Groundwater Elevation (ft, MSL)
MW-1	6/2/94	8.87	7.43	1.44
MW-2	6/2/94	8.14	6.86	1.28
MW-3	6/2/94	9.13	7.46	1.67
MW-4	6/2/94	9.07	7.53	1.54
MW-5	6/2/94	8.93	7.18	1.75
MW-6	6/2/94	6.13	4.49	1.64
MW-7	6/2/94	5.03	10.10	-5.07

MSL = referrenced to Mean Sea Level



PROJECT NUMBER: 29.7 PACIFIC SUPPLY COMPANY OAKLAND, CALIFORNIA		
DRAWING NUMBER: 29.7-01		
DRAWN BY:	JBB	7/14/94
APPROVED BY:	DMO	7-20-94
SCALE: 1 Inch = 50 Feet		

BACE Environmental
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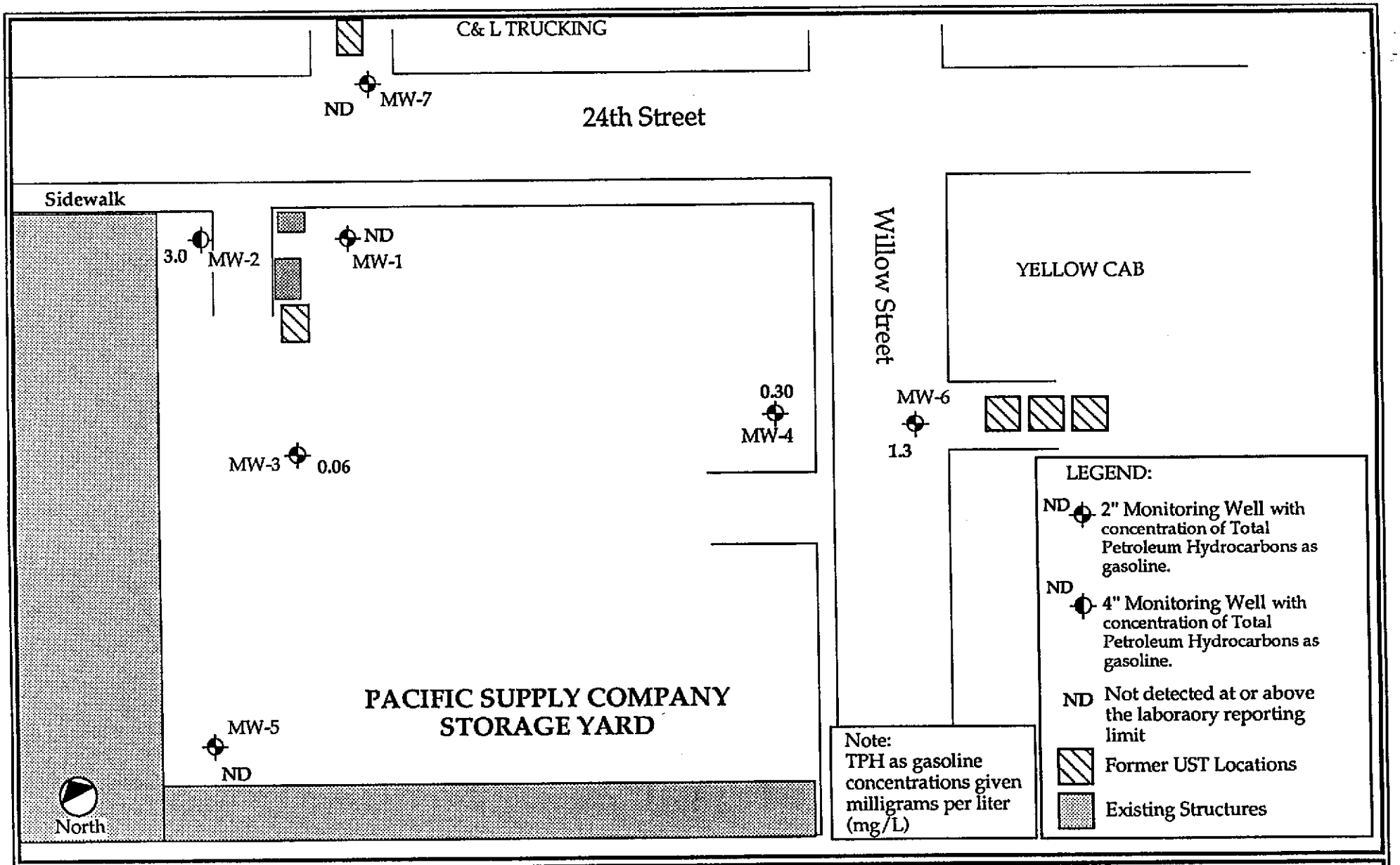
Brunsing Associates, Inc.

Plate 1
Groundwater Elevations
June 2, 1994
Pacific Supply Company
Oakland, California



PROJECT NUMBER: 29.7 PACIFIC SUPPLY COMPANY OAKLAND, CALIFORNIA		
DRAWING NUMBER: 29.7-07		
DRAWN BY:	JBB	7/14/94
APPROVED BY:	JMO	7-20-94
SCALE: 1 Inch = 50 Feet		

BACE Environmental
A Division Of
Brunsing Associates, Inc.

Plate 2
Total Petroleum Hydrocarbons as Gasoline
June 2, 1994
Pacific Supply Company
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.

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 was 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 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 were 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 Reports

BACE Analytical
& Field Services, Inc.

June 20, 1994
Log No: 2017
Laboratory Certification Number: 1264

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

ATTN: Carl Schwab

RE: **Results of the analyses of groundwater samples obtained for project number 29.7 on June 2, 1994.**

Dear Mr. Schwab,

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: Carl Schwab

Sample Date: 6/2/94
Analysis Date: 6/15 & 16/94

BAFS Log No: 2017

METHOD: EPA 5030/8020

Matrix: Water

Parameter	Reporting Limit µg/l	Lab No: Descriptor:	Results - µg/l 2017-1 (MW-1)	2017-2 (MW-2)
Benzene	0.5		ND	150 A
Toluene	0.5		ND	9.8
Ethylbenzene	0.5		ND	3.0
Xylenes (total)	0.5		ND	10
Dilution Factor:	1			

METHOD: 5030 / GC FID

Parameter	Reporting Limit mg/l	Lab No: Descriptor:	Results - mg/l 2017-1 (MW-1)	2017-2 (MW-2)
TPH - gasoline	0.05		ND	3.0
Dilution Factor:	1			

NOTE: ND = not detected.
A = dilution factor = 20.

Client: BACE Environmental
Client Contact: Carl Schwab

Sample Date: 6/2/94
Analysis Date: 6/15 & 16/94

BAFS Log No: 2017

METHOD: EPA 5030/8020

Matrix: Water

Parameter	Reporting Limit µg/l	Lab No: Descriptor:	Results - µg/l 2017-3 (MW-3)	2017-4 (MW-4)
Benzene	0.5		ND	3.1
Toluene	0.5		ND	2.9
Ethylbenzene	0.5		ND	ND
Xylenes (total)	0.5		ND	0.8
Dilution Factor:	1			

METHOD: 5030 / GC FID

Parameter	Reporting Limit mg/l	Lab No: Descriptor:	Results - mg/l 2017-3 (MW-3)	2017-4 (MW-4)
TPH - gasoline	0.05		0.06	0.30
Dilution Factor:	1			

NOTE: ND = not detected.

Client: BACE Environmental
Client Contact: Carl Schwab

Sample Date: 6/2/94
Analysis Date: 6/15 & 16/94

BAFS Log No: 2017

METHOD: EPA 5030/8020

Matrix: Water

Parameter	Reporting Limit µg/l	Lab No: Descriptor:	Results - µg/l 2017-5 (MW-5)	2017-6 (MW-6)
Benzene	0.5		ND	ND
Toluene	0.5		ND	1.0
Ethylbenzene	0.5		ND	ND
Xylenes (total)	0.5		ND	ND
Dilution Factor:	1			

METHOD: 5030 / GC FID

Parameter	Reporting Limit mg/l	Lab No: Descriptor:	Results - mg/l 2017-5 (MW-5)	2017-6 (MW-6)
TPH - gasoline	0.05		ND	1.3
Dilution Factor:	1			

NOTE: ND = not detected.

Client: BACE Environmental
Client Contact: Carl Schwab

Sample Date: 6/2/94
Analysis Date: 6/15 & 16/94

BAFS Log No: 2017

METHOD: EPA 5030/8020

Matrix: Water

Parameter	Reporting Limit µg/l	Lab No: Descriptor:	Results - µg/l 2017-7 (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 2017-7 (MW-7)
TPH - gasoline	0.05		ND
Dilution Factor:	1		

NOTE: ND = not detected.

SUMMARY OF
LABORATORY RESULTS *

Pacific Supply- Project No. 29.7

Sampling Date	Lab Number	Descriptor	Benezene µg/l	Toluene µg/l	Ethylbenzene µg/l	Xylenes µg/l	TPH-gasoline mg/l
6/2/94	2017 - 1	MW - 1	ND	ND	ND	ND	ND
6/2/94	2017 - 2	MW - 2	150	9.8	3.0	10	3.0
6/2/94	2017 - 3	MW - 3	ND	ND	ND	ND	0.06
6/2/94	2017 - 4	MW - 4	3.1	2.9	ND	0.8	0.30
6/2/94	2017 - 5	MW - 5	ND	ND	ND	ND	ND
6/2/94	2017 - 6	MW - 6	ND	1.0	ND	ND	1.3
6/2/94	2017 - 7	MW - 7	ND	ND	ND	ND	ND

** See original laboratory report dated 6/20/94 for complete results.*

QUALITY CONTROL SUMMARY

Client: BACE Environmental
Client Contact: Carl Schwab
Sample Date: 6/2/94
Analysis Date: 6/15 & 16/94

BAFS Log No. : 2017

Matrix: Water

Parameter	% RECOVERY				
	CCV%*	Blank	Spike	Spike Dup	RPD
Gasoline	96	ND	103	105	1.9
Benzene	99	ND	101	101	<1
Toluene	102	ND	100	106	5.8
Ethylbenzene	104	ND	102	103	1.0
Xylenes	98	ND	107	107	<1

* Continuous Calibration Verification Standard

PROJ. NO.	PROJECT NAME
29.7	Pacific Supply
L.P. NO.	SAMPLERS: (Signature) Chris Scott

№ 1821

DATE	SAMPLE I.D.	TYPE	NO. OF CONTAINERS	ANALYSIS TPH Gas / BTEX	REMARKS
6.2.94	MW-1	WATER	2	*	2017-1
	MW-2				-2
	MW-3				-3
	MW-4				-4
	MW-5				-5
	MW-6				-6
↓	MW-7	↓	↓	↓	-7

LABORATORY:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Remarks
Chris Scott	6/3/94 1821		
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	
Relinquished by: (Signature)	Date/Time	Received for Laboratory by: (Signature) Toni Hucke/Cogdill	

BRUNSING 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

NATIONAL ENVIRONMENTAL TESTING, INC.

Santa Rosa Division
435 Tesconi Circle
Santa Rosa, CA 95401
Tel: (707) 526-7200
Fax: (707) 526-9623

Tami Hucke-Norgrove
Brunsing Associates, Inc.
PO Box 588
Windsor, CA 95492

Date: 06/09/1994
NET Client Acct. No: 42100
NET Pacific Job No: 94.02339
Received: 06/03/1994

Client Reference Information

Pacific Supply, Project No. 29.7

Sample analysis in support of the project referenced above has been completed and results are presented on following pages. Results apply only to the samples analyzed. Reproduction of this report is permitted only in its entirety. Please refer to the enclosed "Key to Abbreviations" for definition of terms. Should you have questions regarding procedures or results, please feel welcome to contact Client Services.

Approved by:

Linda DeMartino
Project Coordinator

Jim Hoch
Operations Manager

Enclosure(s)

Ref: Pacific Supply, Project No. 29.7

SAMPLE DESCRIPTION: MW-1
Date Taken: 06/02/1994
Time Taken:
NET Sample No: 196151

Parameter	Results	Flags	Reporting Limit	Units	Method	Date Extracted	Date Analyzed
Org. Lead (FLAA)	ND		5.0	mg/L	DOHS-LUFT	06/07/1994	06/07/1994

Ref: Pacific Supply, Project No. 29.7

SAMPLE DESCRIPTION: MW-2
Date Taken: 06/02/1994
Time Taken:
NET Sample No: 196152

Parameter	Results	Flags	Reporting Limit	Units	Method	Date Extracted	Date Analyzed
Org. Lead (FLAA)	ND		5.0	mg/L	DOHS-LUFT	06/07/1994	06/07/1994

Ref: Pacific Supply, Project No. 29.7

SAMPLE DESCRIPTION: MW-3
Date Taken: 06/02/1994
Time Taken:
NET Sample No: 196153

Parameter	Results	Flags	Reporting Limit	Units	Method	Date Extracted	Date Analyzed
Org. Lead (FLAA)	ND		5.0	mg/L	DOHS-LUFT	06/07/1994	06/07/1994

Ref: Pacific Supply, Project No. 29.7

SAMPLE DESCRIPTION: MW-4
Date Taken: 06/02/1994
Time Taken:
NET Sample No: 196154

Parameter	Results	Flags	Reporting Limit	Units	Method	Date Extracted	Date Analyzed
Org. Lead (FLAA)	ND		5.0	mg/L	DOHS-LUFT	06/07/1994	06/07/1994

Ref: Pacific Supply, Project No. 29.7

SAMPLE DESCRIPTION: MW-5
Date Taken: 06/02/1994
Time Taken:
NET Sample No: 196155

Parameter	Results	Flags	Reporting Limit	Units	Method	Date Extracted	Date Analyzed
Org. Lead (FLAA)	ND		5.0	mg/L	DOHS-LUFT	06/07/1994	06/07/1994

Ref: Pacific Supply, Project No. 29.7

SAMPLE DESCRIPTION: MW-6
Date Taken: 06/02/1994
Time Taken:
NET Sample No: 196156

Parameter	Results	Flags	Reporting Limit	Units	Method	Date Extracted	Date Analyzed
Org. Lead (FLAA)	ND		5.0	mg/L	DOHS-LUFT	06/07/1994	06/07/1994

Ref: Pacific Supply, Project No. 29.7

SAMPLE DESCRIPTION: MW-7
Date Taken: 06/02/1994
Time Taken:
NET Sample No: 196157

Parameter	Results	Flags	Reporting Limit	Units	Method	Date Extracted	Date Analyzed
Org. Lead (FLAA)	ND		5.0	mg/L	DOHS-LUFT	06/07/1994	06/07/1994

Ref: Pacific Supply, Project No. 29.7

CONTINUING CALIBRATION VERIFICATION STANDARD REPORT

Parameter	CCV Standard % Recovery	CCV Standard Amount Found	CCV Standard Amount Expected	Units	Date Analyzed	Analyst Initials
Org. Lead (FLAA)	97.9	61.2	62.5	mg/L	06/07/1994	ket

Ref: Pacific Supply, Project No. 29.7

METHOD BLANK REPORT

Parameter	Method Blank Amount Found	Reporting Limit	Units	Date Analyzed	Analyst Initials
Org. Lead (FLAA)	ND	5.0	mg/L	06/07/1994	ket

Ref: Pacific Supply, Project No. 29.7

MATRIX SPIKE / MATRIX SPIKE DUPLICATE

Parameter	Matrix Spike % Rec.	Matrix Spike Dup % Rec.	RPD	Spike Amount	Sample Conc.	Matrix Spike Conc.	Matrix Spike Dup. Conc.	Units	Date Analyzed	Analyst Initials
Org. Lead (FLAA)	63.3	58.8	7.4	100	ND	63.3	58.8	mg/L	06/07/1994	ket

Ref: Pacific Supply, Project No. 29.7

LABORATORY CONTROL SAMPLE REPORT

Parameter	LCS % Recovery	RPD	LCS Amount Found	LCS Amount Expected	Units	Date Analyzed	Analyst Initials
Org. Lead (FLAA)	99.6		99.6	100	mg/L	06/07/1994	ket

KEY TO ABBREVIATIONS and METHOD REFERENCES

<	:	Less than; When appearing in results column indicates analyte not detected at the value following. This datum supercedes the listed Reporting Limit.
*	:	Reporting Limits are a function of the dilution factor for any given sample. Actual reporting limits and results have been multiplied by the listed dilution factor. Do not multiply the reporting limits or reported values by the dilution factor.
dw	:	Result expressed as dry weight.
mean	:	Average; sum of measurements divided by number of measurements.
mg/Kg (ppm)	:	Concentration in units of milligrams of analyte per kilogram of sample, wet-weight basis (parts per million).
mg/L	:	Concentration in units of milligrams of analyte per liter of sample.
mL/L/hr	:	Milliliters per liter per hour.
MPN/100 mL	:	Most probable number of bacteria per one hundred milliliters of sample.
N/A	:	Not applicable.
NA	:	Not analyzed.
ND	:	Not detected; the analyte concentration is less than the applicable listed reporting limit.
NTU	:	Nephelometric turbidity units.
RPD	:	Relative percent difference, 100 [Value 1 - Value 2]/mean value.
SNA	:	Standard not available.
ug/Kg (ppb)	:	Concentration in units of micrograms of analyte per kilogram of sample, wet-weight basis (parts per billion).
ug/L	:	Concentration in units of micrograms of analyte per liter of sample.
umhos/cm	:	Micromhos per centimeter.

Method References

Methods 100 through 493: see "Methods for Chemical Analysis of Water & Wastes", U.S. EPA, 600/4-79-020, Rev. 1983.

Methods 601 through 625: see "Guidelines Establishing Test Procedures for the Analysis of Pollutants" U.S. EPA, 40 CFR, Part 136, Rev. 1988.

Methods 1000 through 9999: see "Test Methods for Evaluating Solid Waste", U.S. EPA SW-846, 3rd edition, 1986., Rev. 1, December 1987.

SM: see "Standard Methods for the Examination of Water & Wastewater, 17th Edition, APHA, 1989.

Revised September, 1993
abb.93

9664

PROJ. NO.	PROJECT NAME
29.7	PACIFIC SUPPLY
L.P. NO.	SAMPLERS: (Signature) Chris Scott

№ 1790

DATE	SAMPLE I.D.	TYPE	NO. OF CON-TAINERS	ANALYSIS ORGANIC LEAD	REMARKS
6-2-94	MW-1	WATER	1	*	
	MW-2				
	MW-3				
	MW-4				
	MW-5				
	MW-6				
	MW-7				

LABORATORY: NET

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Remarks
Chris Scott	6/3/94 1747		
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	
Relinquished by: (Signature)	Date/Time	Received for Laboratory by: (Signature)	
	6/3/94 1747	J. Anderson	

BRUNSING ASSOCIATES, INC.

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1515 Ninth Street
Rock Springs WY 82901
307-362-9277

2348

PROJ. NO.	PROJECT NAME
29.7	PACIFIC SUPPLY
L.P. NO.	SAMPLERS (Signature) Chris Scott

№ 2495

DATE	SAMPLE I.D.	TYPE	NO. OF CONTAINERS	ANALYSIS: ORGANIC LEAD	REMARKS
9.1.94	MW-1	WATER	1	X	
9.1.94	MW-2	WATER	1	X	
9.1.94	MW-3	WATER	1	X	
9.1.94	MW-4	WATER	1	X	
9.1.94	MW-5	WATER	1	X	
9.1.94	MW-6	WATER	1	X	
9.1.94	MW-7	WATER	1	X	

LABORATORY:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)
Chris Scott	9/2/94 1230	
Relinquished by: (Signature)	Date/Time	Received by: (Signature)
Relinquished by: (Signature)	Date/Time	Received for Laboratory by: (Signature)
	9/2/94 12:30	

Remarks

RESULTS TO:

MIKE VELZY

BRUNSING ASSOCIATES, INC.

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