BACE Environmental
A Division Of
Brunsing Associates, Inc.

January 26, 1994

Project No. 29.7

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

RE: QUARTERLY GROUNDWATER MONITORING REPORT: NOVEMBER 1993
PACIFIC SUPPLY COMPANY
1735 24TH STREET
OAKLAND, CALIFORNIA

Dear Ms. Callison:

This report has been prepared to document groundwater sampling performed by BACE Environmental, a Division of Brunsing Associates, Inc. (BAI) at the Pacific Supply Company property located at 1735 24th Street, Oakland, California on November 3 and November 4, 1993. The initial sampling of vapor recovery wells VRW-1 through VRW-9 was also performed at this time. The results are not reported in this document but have been prepared and submitted under a separate cover entitled, "Vapor Extraction Well Installation."

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.

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 as 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

Depths to groundwater were obtained on November 3 and November 4, 1993 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 Figure 1, variations in the groundwater elevations suggest a complex groundwater flow regime at the site and possible tidal influence on the groundwater elevations. Groundwater flow generally appears to be consistent with previous reports which indicate groundwater flowing beneath the site from the southwest corner of the property at MW-5 to the north towards wells MW-1 and MW-2 and to the east towards MW-4 and MW-6. The local flow direction near MW-1 and MW-2 is to the west as typically observed in previous monitoring. Monitoring well MW-7 continues to indicate a low groundwater elevation by a magnitude of several feet. Groundwater elevation in monitoring well MW-3 is less than either MW-1, MW-2, or MW-5 as reported several times previously. The observed groundwater elevations make it difficult to define elevation contours that can be used to infer the groundwater flow direction and therefore the groundwater contours have not been included in this report.

Groundwater Sampling

Groundwater monitoring wells MW-1 through MW-7 were sampled on November 3 and November 4, 1993 using 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) 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 reports for the November 3 and November 4, 1993 groundwater monitoring are summarized in Table 1. Portions of the laboratory reports pertaining to the sampling of monitoring wells MW-1 through MW-7 are attached.

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

Sincerely,

Joel Bruxvoort
Staff Geologist

Thomas P. Brunsing, Ph.D., P.E., R.E.A
Principal Engineer

Attachments:
Table 1 – Analytical Data Summary
Table 2 – Groundwater Elevation Data
Figure 1- Groundwater Elevations
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)

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)

(1) Organic lead
(2) Total lead
ND = not detected at laboratory reporting limit
µg/L = micrograms per liter
mg/L = milligrams per liter
– = not analyzed

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	.205 (1)
MW-3	5/28/92	ND	0.8	0.5	ND	ND	.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)

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	.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)

(1) Organic lead
(2) Total lead
ND = not detected at laboratory reporting limit
µg/L = micrograms per liter
mg/L = milligrams per liter
– = not analyzed

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	.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)

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)

(1) Organic lead
(2) Total lead
ND = not detected at laboratory reporting limit
µg/L = micrograms per liter
mg/L = milligrams per liter
– = not analyzed

TABLE 1
ANALYTICAL DATA SUMMARY
PACIFIC SUPPLY COMPANY

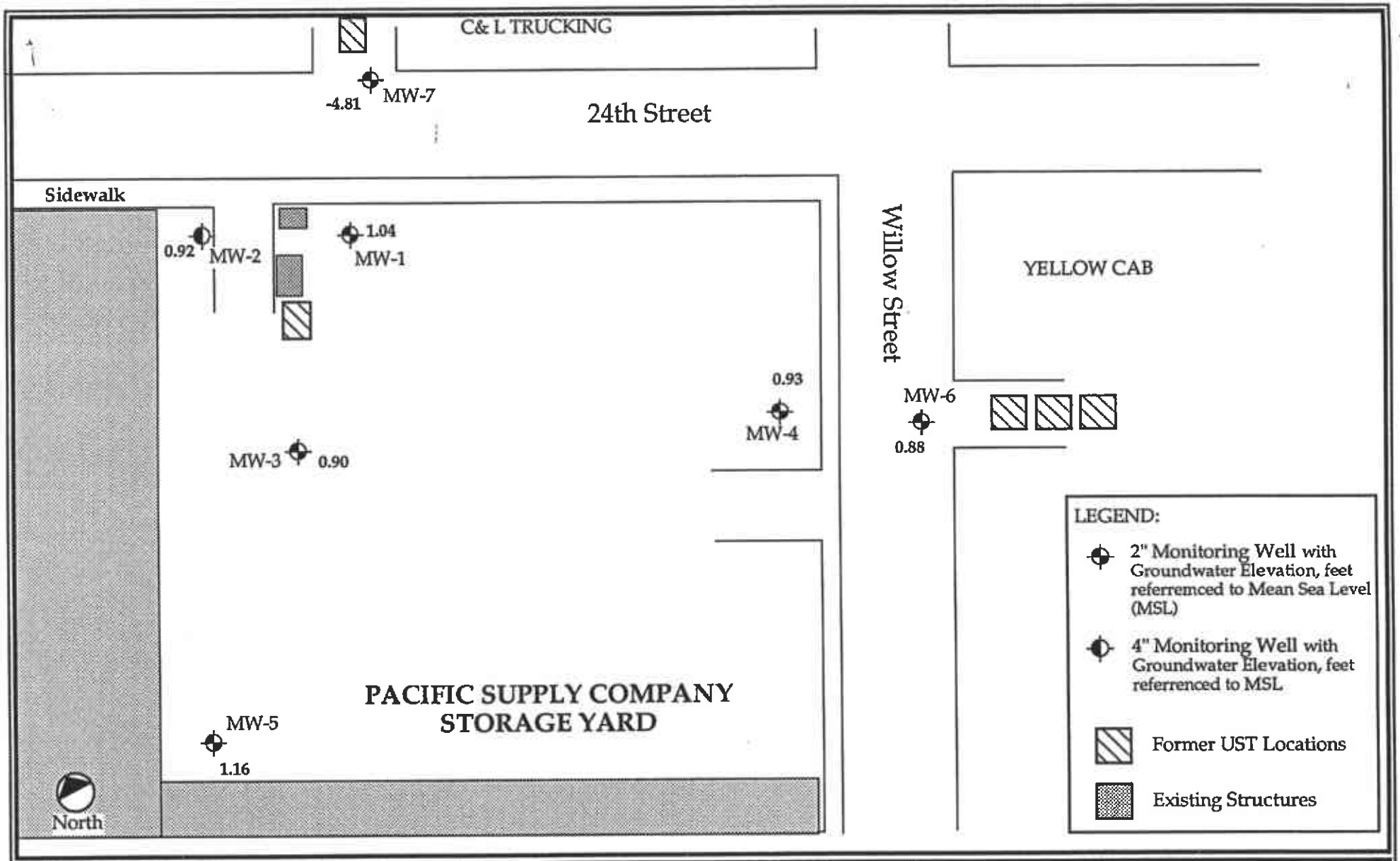
Well Identification	Sampling Date	TPH (gasoline) mg/L	Benzene µg/L	Toluene µg/L	Ethylbenzene µg/L	Xylenes µg/L	Lead mg/L
MW-7	12/29/89	ND	ND	ND	ND	ND	0.235 (1)
MW-7	3/9/93	ND	ND	ND	ND	ND	ND (1)
MW-7	7/21/93	ND	ND	ND	ND	ND	ND(1)
MW-7	11/4/93	ND	ND	ND	ND	ND	ND(1)

(1) Organic lead
(2) Total lead
ND = not detected at laboratory reporting limit
µg/L = micrograms per liter
mg/L = milligrams per liter
– = not analyzed

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	11/3/93	8.87	7.83	1.04
MW-2	11/3/93	8.14	7.22	0.92
MW-3	11/4/93	9.13	8.23	0.90
MW-4	11/4/93	9.07	8.14	0.93
MW-5	11/4/93	8.93	7.77	1.16
MW-6	11/4/93	6.13	5.25	0.88
MW-7	11/4/93	5.03	9.84	-4.81

MSL = referrenced to Mean Sea Level



PROJECT NUMBER: 29.7 PACIFIC SUPPLY COMPANY OAKLAND, CALIFORNIA		
DRAWING NUMBER: 29.7-01		
DRAWN BY:	SMY	12/13/93
APPROVED BY:	TRB	1/26/94
SCALE: 1 Inch = 50 Feet		

BACE Environmental
a Division of
BRUNSING ASSOCIATES, INC.

FIGURE 1

Groundwater Elevations

Pacific Supply Company
Oakland, California

APPENDIX A

Monitoring Well Sampling Protocol

Monitoring Well Sampling Protocol

Prior to purging of monitoring well, groundwater level are 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 the wells 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.

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.

Sample bottles, bottle caps and septa are cleaned by the analytical laboratory subcontractor using standard EPA-approved protocols. 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.

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 storage tank for processing by permitted groundwater treatment system prior to discharging.

APPENDIX B

Analytical Laboratory Reports

NATIONAL
ENVIRONMENTAL
TESTING, INC.

NET Pacific, Inc.
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: 11/15/1993
NET Client Acct. No: 42100
NET Pacific Job No: 93.04898
Received: 11/05/1993

Client Reference Information

Pacific Supply, Project No. 29.11

Sample analysis in support of the project referenced above has been completed and results are presented on following pages. 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:

Jules Skamarack
Laboratory Manager

Enclosure(s)

Ref: Pacific Supply, Project No. 29.11

SAMPLE DESCRIPTION: MW1D
Date Taken: 11/03/1993
Time Taken:
NET Sample No: 177931

Parameter	Results	Flags	Reporting Limit	Units	Method	Date Extracted	Date Analyzed
Org. Lead (FLAA)	ND	NI3	1.0	mg/L	DOHS-LUFT	11/10/1993	11/10/1993

NI3 : Matrix Spikes out of control, Matrix Interference suspected.

Ref: Pacific Supply, Project No. 29.11

SAMPLE DESCRIPTION: MW2D
Date Taken: 11/04/1993
Time Taken:
NET Sample No: 177932

Parameter	Results	Flags	Reporting Limit	Units	Method	Date Extracted	Date Analyzed
Org. Lead (FLAA)	ND	NI3	1.0	mg/L	DOHS-LUFT	11/10/1993	11/10/1993

NI3 : Matrix Spikes out of control, Matrix Interference suspected.

Ref: Pacific Supply, Project No. 29.11

SAMPLE DESCRIPTION: MW3D
Date Taken: 11/04/1993
Time Taken:
NET Sample No: 177933

Parameter	Results	Flags	Reporting Limit	Units	Method	Date Extracted	Date Analyzed
Org. Lead (FLAA)	ND	NI3	1.0	mg/L	DOHS-LUFT	11/10/1993	11/10/1993

NI3 : Matrix Spikes out of control, Matrix Interference suspected.

Ref: Pacific Supply, Project No. 29.11

SAMPLE DESCRIPTION: MW4D
Date Taken: 11/04/1993
Time Taken:
NET Sample No: 177934

Parameter	Results	Flags	Reporting Limit	Units	Method	Date Extracted	Date Analyzed
Org. Lead (FLAA)	ND	NI3	1.0	mg/L	DOHS-LUFT	11/10/1993	11/10/1993

NI3 : Matrix Spikes out of control, Matrix Interference suspected.

Ref: Pacific Supply, Project No. 29.11

SAMPLE DESCRIPTION: MW5D
Date Taken: 11/04/1993
Time Taken:
NET Sample No: 177935

Parameter	Results	Flags	Reporting Limit	Units	Method	Date Extracted	Date Analyzed
Org. Lead (FLAA)	ND	NI3	1.0	mg/L	DOHS-LUFT	11/10/1993	11/10/1993

NI3 : Matrix Spikes out of control, Matrix Interference suspected.

Ref: Pacific Supply, Project No. 29.11

SAMPLE DESCRIPTION: MW6D
Date Taken: 11/04/1993
Time Taken:
NET Sample No: 177936

Parameter	Results	Flags	Reporting Limit	Units	Method	Date Extracted	Date Analyzed
Org. Lead (FLAA)	ND	NI3	1.0	mg/L	DOHS-LUFT	11/10/1993	11/10/1993

NI3 : Matrix Spikes out of control, Matrix Interference suspected.

Ref: Pacific Supply, Project No. 29.11

SAMPLE DESCRIPTION: MW7D
Date Taken: 11/04/1993
Time Taken:
NET Sample No: 177937

Parameter	Results	Flags	Reporting Limit	Units	Method	Date Extracted	Date Analyzed
Org. Lead (FLAA)	ND	NI3	1.0	mg/L	DOHS-LUFT	11/10/1993	11/10/1993

NI3 : Matrix Spikes out of control, Matrix Interference suspected.

Ref: Pacific Supply, Project No. 29.11

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)	104.0	5.2	5.00	mg/L	11/10/1993	ket

Ref: Pacific Supply, Project No. 29.11

METHOD BLANK REPORT

Parameter	Method Blank Amount Found	Reporting Limit	Units	Date Analyzed	Analyst Initials
Org. Lead (FLAA)	ND	1.0	mg/L	11/10/1993	ket

Ref: Pacific Supply, Project No. 29.11

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	Analys Initia
Org. Lead (FLAA)	56.3	62.5	10.4	8.00	ND	4.5	5.0	mg/L	11/10/1993	ket

Ref: Pacific Supply, Project No. 29.11

LABORATORY CONTROL SAMPLE REPORT

Parameter	LCS % Recovery	RPD	LCS Amount Found	LCS Amount Expected	Units	Date Analyzed	Analyst Initials
Org. Lead (FLAA)	75.0		6	8.00	mg/L	11/10/1993	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

PROJ. NO.	PROJECT NAME	NO. OF CONTAINERS	ANALYSIS	№ 2287
29.11	Pacific Supply			(6510)
L.P. NO.	SAMPLERS: (Signature)			
1869	Dean Auland (THW)			

DATE	SAMPLE I.D.	TYPE	NO. OF CONTAINERS	ANALYSIS: org, Pb	REMARKS
11.3.93	MW1D	Water	1	X	
11.4.93	MW2D			X	
	MW3D			X	
	MW4D			X	
	MW5D			X	
	MW6D			X	
	MW7D			X	
	VRW-1D			X	
	VRW2D			X	
	VRW3D			X	
	VRW4D			X	
	VRW5D			X	
	VRW6D			X	
	VRW7D			X	
	VRW8D			X	
	VRW9D			X	

LABORATORY: NET

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Remarks
(1)	11/5/93 21:00	11-6-93 16:30	
(2)	11/5/93 16.55	(4)	
Relinquished by: (Signature)	Date/Time	Received for Laboratory by: (Signature)	

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

BACE Analytical & Field Services, Inc.

P. O. Box 838, Windsor, CA 95492
707-838-8338 FAX 707-838-4420

November 16, 1993
Log No: 1869

BACE Environmental
a division of
Brunsing Associates, Inc.
1735 E. Bayshore Road, Suite 2A
Redwood City, California 94063

ATTN: Joel Bruxvoort

RE: **Results of the analyses of groundwater samples obtained for project number 29.11 on November 3 and 4, 1993.**

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: 11/3 & 4/93
Analysis Date: 11/12 & 15/93

BAFS Log No: 1869

METHOD: EPA 5030/8020

Matrix: Water

Parameter	Reporting Limit µg/L	Lab No: Descriptor:	Results - µg/L 1869-1 (MW-1)	1869-2 (MW-2)
Benzene	0.5		ND	230
Toluene	0.5		ND	7.8
Ethylbenzene	0.5		ND	2.1
Xylenes (total)	0.5		ND	9.9
Dilution Factor:	1			

METHOD: 5030 / GC FID

Parameter	Reporting Limit mg/L	Lab No: Descriptor:	Results - mg/L 1869-1 (MW-1)	1869-2 (MW-2)
TPH - gasoline	0.05		ND	2.5
Dilution Factor:	1			

NOTE: ND = not detected.

Client: BACE Environmental
Client Contact: Joel Bruxvoort

BAFS Log No: 1869

Sample Date: 11/4/93
Analysis Date: 11/12 & 15/93

METHOD: EPA 5030/8020

Matrix: Water

Parameter	Reporting Limit µg/L	Lab No: Descriptor:	Results - µg/L 1869-3 (MW-3)	1869-4 (MW-4)
Benzene	0.5		0.6	1.3
Toluene	0.5		0.5	1.6
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 1869-3 (MW-3)	1869-4 (MW-4)
TPH - gasoline	0.05		0.07	0.08
Dilution Factor:	1			

NOTE: ND = not detected.

Client: BACE Environmental
Client Contact: Joel Bruxvoort

BAFS Log No: 1869

Sample Date: 11/4/93
Analysis Date: 11/12 & 15/93

METHOD: EPA 5030/8020

Matrix: Water

Parameter	Reporting Limit µg/L	Lab No: Descriptor:	Results - µg/L 1869-5 (MW-5)	1869-6 (MW-6)
Benzene	0.5		ND	ND
Toluene	0.5		ND	1.2
Ethylbenzene	0.5		ND	ND
Xylenes (total)	0.5		ND	0.7
Dilution Factor:	1			

METHOD: 5030 / GC FID

Parameter	Reporting Limit mg/L	Lab No: Descriptor:	Results - mg/L 1869-5 (MW-5)	1869-6 (MW-6)
TPH - gasoline	0.05		ND	1.5
Dilution Factor:	1			

NOTE: ND = not detected.

Client: BACE Environmental
Client Contact: Joel Bruxvoort

Sample Date: 11/4/93
Analysis Date: 11/12 & 15/93

BAFS Log No: 1869

METHOD: EPA 5030/8020

Matrix: Water

Parameter	Reporting Limit µg/L	Lab No: Descriptor:	Results - µg/L 1869-7 (MW-7)	1869-8 (VRW-1)
Benzene	0.5		ND	1600A
Toluene	0.5		ND	19
Ethylbenzene	0.5		ND	1.1
Xylenes (total)	0.5		ND	16
Dilution Factor:	1			

METHOD: 5030 / GC FID

Parameter	Reporting Limit mg/L	Lab No: Descriptor:	Results - mg/L 1869-7 (MW-7)	1869-8 (VRW-1)
TPH - gasoline	0.05		ND	3.0
Dilution Factor:	1			

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

QUALITY CONTROL SUMMARY

Client: BACE Environmental
Client Contact: Joel Bruxvoort
Sample Date: 11/3 & 4/93
Analysis Date: 11/12 & 15/93

BAFS Log No. : 1869

Matrix: Water

Parameter	% RECOVERY				
	CCV%*	Blank	Spike	Spike Dup	RPD
Benzene	100	ND	99	99	<1
Toluene	96	ND	101	96	5.0
Ethylbenzene	96	ND	102	96	6.0
Xylenes	97	ND	100	98	2.0
Gasoline	107	ND	107	111	3.8

* Continuous Calibration Verification Standard

PROJ. NO.	PROJECT NAME	NO. OF CONTAINERS	ANALYSIS		№ 2258
29.11	Pacific Supply		TPH Gas/BTEX	Org Pb	
L.P. NO.	SAMPLERS: (Signature) Ben R. Boland				

DATE	SAMPLE I.D.	TYPE			REMARKS
11-3-93	MW-1 A,B,C,D	water	4	* *	1869-1
11-4-93	MW-2 A,B,C,D				-2
	MW-3 A,B,C,D				-3
	MW-4 A,B,C,D				-4
	MW-5 A,B,C,D				-5
	MW-6 A,B,C,D				-6
	MW-7 A,B,C,D				-7
	VIRW-1 A,B,C,D				-8
	VIRW-2 A,B,C,D				-9
	VIRW-3 A,B,C,D				-10
	VIRW-4 A,B,C,D				-11
	VIRW-5 A,B,C,D				-12
	VIRW-6 A,B,C,D				-13
	VIRW-7 A,B,C,D				-14
	VIRW-8 A,B,C,D				-15
	VIRW-9 A,B,C,D				-16
					A,B,C samples - TPH Gas/BTEX
					D samples - org Pb

LABORATORY: BAFS

Relinquished by: (Signature)	Date/Time	Received by: (Signature)
Ben R. Boland	11-5-93 16:10	
Relinquished by: (Signature)	Date/Time	Received by: (Signature)
Relinquished by: (Signature)	Date/Time	Received for Laboratory by: (Signature)

Remarks

report to:
Joel Bruxvoort

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