



BACE Environmental

A Division Of **ALCO**

Brunsing Associates, Inc.

94 FEB -9 PM 3: 04

Project No. 29.12

February 4, 1994

Mr. Robert Cave
Bay Area Air Quality Management District
939 Ellis Street
San Francisco, CA 94109

3826

**RE: FIRST MONTHLY MONITORING REPORT
PACIFIC SUPPLY COMPANY, BAAQMD APPLICATION NO. 11439
OAKLAND, CALIFORNIA**

Dear Mr. Cave:

Enclosed please find the start-up sampling/analytical report for the vapor extraction system located at the Pacific Supply Company, 1735 24th Street, Oakland, California. This report has been prepared by BACE Environmental on behalf of the Pacific Supply Company and Pacific Coast Building Products as required by the conditions of the Authority to Construct/Permit to Operate (AC/PO), COND # 10286 (October 8, 1993 and October 13, 1993). This report submits the inlet and exhaust sample analytical results of the first three days of start-up operations as required by (AC/PO) COND # 10286, condition 4d. The results of these sampling events are summarized on the table enclosed with this correspondence entitled "Inlet/Exhaust Analytical Summary of Start-Up Operations".

The vapor extraction system's first day of operation was December 27, 1993. Samples of inlet and exhaust vapor were taken on December 27, 28, and 29, 1993 for the start-up period. The first two week sample was obtained on January 13, 1994 and the week four sample was taken on January 26, 1994. The week six sample will be obtained during the week of February 7, 1994, week eight sample to be obtained during week of February 21, 1994, etc.

The results of the start-up operations period indicate that the vapor extraction system is maintaining a minimum 98.5 percent by weight destruction rate for inlet gas concentrations greater 3000 ppmv. The analytical results for Total Petroleum Hydrocarbon as gasoline are reported to be between below laboratory detection limits (non-detect) and 4.9 ppmv. The results for benzene, toluene, ethylbenzene and xylene are reported to be non-detect. The analytical data reports are included with this report.

As required by Permit Condition No. 5 monthly operations data will be collected and available to the Bay Area Air Quality Management District (BAAQMD) upon their request. The operations maintenance log form is enclosed for BAAQMD review and approval.

Mr. Robert Cave
February 4, 1994
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If you have any questions concerning the start-up operations period or routine operations over the period since start-up, please call me at (415) 364-9031.

Respectfully submitted,

Michael E. Velzy
Project Manager

Enclosures 1. Inlet/Exhaust Analytical Summary of Start-Up Operations
2. Analytical Laboratory Data Reports
3. Maintenance Log

cc: Normita Callison, Pacific Coast Building Products
Jennifer Eberle, Alameda County Health Care Services



**INLET/EXHAUST ANALYTICAL SUMMARY OF START-UP OPERATIONS
PACIFIC SUPPLY COMPANY
OAKLAND, CALIFORNIA**

SAMPLE	SAMPLE DATE	TPHg (ppmv)	BENZENE (ppmv)	TOLUENE (ppmv)	ETHYLBENZENE (ppmv)	XYLENE (ppmv)
Inlet	12/27/93	6,800	380	230	19	58
Exhaust	12/27/93	ND	ND	ND	ND	ND
Inlet	12/28/93	11,000	340	430	28	92
Exhaust	12/28/93	ND	ND	ND	ND	ND
Inlet	12/29/93	9,400	340	270	16	48
Exhaust	12/29/93	4.9	ND	ND	ND	ND

- Notes:
1. ND - Below analytical laboratory detection limits
 2. ppmv - Parts per million by volume



ARRIVAL	DEPARTURE
TIME:	TIME:
SYSTEM ON / OFF	SYSTEM ON / OFF
HOUR METER:	HOUR METER:
H2O DISCHARGE METER:	H2O DISCHARGE METER:
VAPOR WELLS OPEN:	VAPOR WELLS OPEN:
WATER WELLS OPEN:	WATER WELLS OPEN:

VAPOR SAMPLES COLLECTED FROM:

WATER SAMPLES COLLECTED FROM:

OPERATING DATA						
	ARRIVAL	DEPARTURE		ARRIVAL	DEPARTURE	
ENGINE	R.P.M.		Tank Vac. °Hg			
	Oil Pres. P.S.I.		Recirc. Pres. P.S.I.			
	Water Temp. °F		Recirc. Temp. °F			
	Volts		Inlet Temp. °F			
	Intake Vac. °Hg		Outlet Temp. °F			
FUEL	Fuel Flow cfm		Well Vac. °H2O			
	Air Flow cfm		Gas Meter			
	Well Flow cfm		Ambient Air Temp.			

MAINTENANCE RECORD		
Engine Oil, check level		Radiator, check
Coolant, check level		Distributor, check
Fuel, Oil, Coolant, check for leaks		Ignition timing, check
Engine Oil, change		PCV Valve, check
Oil Filter, change		Spark Plugs, check
Battery, check charge and fluid		Spark Plug Wires, check
Battery, clean terminals and lines		Water Knock Out, drain
P.T.O. Bearings, check and lubricate		Air Filter, check
Belts, check		Water Filter, check

FIELD MEASUREMENTS													
INLET, MANIFOLD OR WELLHEAD										EXHAUST			
HC ppm										HC ppm			
CO %										CO ppm			
CO2 %										CO2 %			
O2 %										O2 %			
Well Vac.										NOX ppm			
Depth to Product													
Depth to Water													

COMMENTS:

LOCATION: _____ DATE: _____ NAME: _____

PURPOSE OF VISIT: _____



SEQUOIA ANALYTICAL

680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Brunsing Associates, Inc.
1735 E. Bayshore, Suite 2A
Redwood City, CA 94063
Attention: Joel Bruxvoort

Client Project ID: Pacific Supply Co.
Sample Matrix: Air
Analysis Method: EPA 5030/8015/8020
First Sample #: 3LE2601

Sampled: Dec 29, 1993
Received: Dec 29, 1993
Reported: Jan 4, 1994

TOTAL PURGEABLE PETROLEUM HYDROCARBONS with BTEX DISTINCTION

Analyte	Reporting Limit ppmv	Sample I.D. 3LE2601 Vew-4/5 Inflow	Sample I.D. 3LE2602 Vew-4/5 Exhaust
Purgeable Hydrocarbons	2.3	9,400	4.9
Benzene	0.019	340	N.D.
Toluene	0.016	270	N.D.
Ethyl Benzene	0.014	16	N.D.
Total Xylenes	0.014	48	N.D.

Chromatogram Pattern:

Gas & Non-Gas Mix < C8 Weathered Gas

Quality Control Data

Report Limit Multiplication Factor:	250	1.0
Date Analyzed:	12/29/93	12/29/93
Instrument Identification:	GCHP-17	GCHP-17
Surrogate Recovery, %: (QC Limits = 70-130%) * - Coelution Confirmed	152 *	96

Purgeable Hydrocarbons are quantitated against a fresh gasoline standard.
Analytes reported as N.D. were not detected above the stated reporting limit.

SEQUOIA ANALYTICAL

Nokowhat D. Herrera
Project Manager

Please Note:

A molecular weight of 65 was used to calculate ppmv for Purgeable Hydrocarbons.

3LE2601.BBB <1>



SEQUOIA ANALYTICAL

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Brunsing Associates, Inc.
1735 E. Bayshore, Suite 2A
Redwood City, CA 94063
Attention: Joel Bruxvoort

Client Project ID: Pacific Supply Co.
Matrix: Liquid

QC Sample Group: 3LE2601

Reported: Jan 4, 1994

QUALITY CONTROL DATA REPORT

ANALYTE	Benzene	Toluene	Ethyl Benzene	Xylenes
Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Analyst:	M.Nipp	M.Nipp	M.Nipp	M.Nipp

MS/MSD Batch#:	G3LB8702	G3LB8702	G3LB8702	G3LB8702
Date Prepared:	N.A.	N.A.	N.A.	N.A.
Date Analyzed:	12/29/93	12/29/93	12/29/93	12/29/93
Instrument I.D.#:	GCHP-17	GCHP-17	GCHP-17	GCHP-17
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
Matrix Spike % Recovery:	100	98	98	100
Matrix Spike Duplicate % Recovery:	100	99	100	100
Relative % Difference:	0.0	1.0	2.0	0.0

LCS Batch#:

Date Prepared:
Date Analyzed:
Instrument I.D.#:

LCS %
Recovery:

% Recovery Control Limits:	71-133	72-128	72-130	71-120
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SEQUOIA ANALYTICAL

Nokowhat D. Herrera
Project Manager

Please Note:

The LCS is a control sample of known, interferent free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

PROJ. NO. 22.12		PROJECT NAME PACIFIC SUPPLY CO.		NO. OF CONTAINERS	ANALYSIS										REMARKS
L.P. NO.		SAMPLERS (Signature) <i>Mike [Signature]</i>			BTEX (EPA 800)	TPH (EPA 800)	VOC (EPA 801)	Oil & Grease (EPA 824)	METALS (EPA 5520 F)	PH					
DATE	SAMPLE I.D.	TYPE													
01 01/21/93	Vew-4/5 INFLOW	VAPOR	1	X	X										9312E26 Standard TAT Flow Rate = 65 cfm Standard TAT
02 12/29/93	Vew-4/5 EXHAUST	VAPOR	1	X	X										
14/21/93	Sampling Port A	WATER				X	X	X	X						48 hr. TAT: Temp - 58 72°F
12/29/93	Sampling Port B	WATER				X	X	X	X						48 hr. TAT: Temp - 58 72°F
12/29/93	Sampling Port D	WATER				X	X	X	X						48 hr. TAT: Temp - 58 50°F
														*Arsenic, Cadmium, total Chromium, Copper, Cyanide, Iron, Lead, Mercury, Nickel, Silver, Zinc	

LABORATORY:

Relinquished by: (Signature) <i>Mike [Signature]</i>	Date/Time 12/29/93 3:15	Received by: (Signature) <i>[Signature]</i>	Remarks 48 hr TAT Results clear Monday Jan 3, 1994
Relinquished by: (Signature) <i>[Signature]</i>	Date/Time 12/29/93 3:45	Received by: (Signature) <i>[Signature]</i>	
Relinquished by: (Signature)	Date/Time	Received for Laboratory by: (Signature) <i>[Signature]</i> 12/29/93 15:45	

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



SEQUOIA ANALYTICAL

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Brunsing Associates, Inc.
1735 E. Bayshore, Suite 2A
Redwood City, CA 94063
Attention: Joel Bruxvoort

Client Project ID: 29.12, Pacific Supply
Sample Matrix: Air
Analysis Method: EPA 5030/8015/8020
First Sample #: 3LD9701

Sampled: Dec 28, 1993
Received: Dec 29, 1993
Reported: Jan 4, 1994

TOTAL PURGEABLE PETROLEUM HYDROCARBONS with BTEX DISTINCTION

Analyte	Reporting Limit ppmv	Sample I.D. 3LD9701 VEW-4/5 Inflow	Sample I.D. 3LD9702 VEW-4/5 Exhaust	Sample I.D.	Sample I.D.	Sample I.D.	Sample I.D.
Purgeable Hydrocarbons	2.3	11,000	N.D.				
Benzene	0.019	340	N.D.				
Toluene	0.016	430	N.D.				
Ethyl Benzene	0.014	28	N.D.				
Total Xylenes	0.014	92	N.D.				

Chromatogram Pattern:

Gas + Non-Gas --
Mix < C8

Quality Control Data

Report Limit Multiplication Factor:	500	1.0
Date Analyzed:	12/29/93	12/29/93
Instrument Identification:	GCHP-17	GCHP-17
Surrogate Recovery, %: (QC Limits = 70-130%) * - Coelution Confirmed	132 *	94

Purgeable Hydrocarbons are quantitated against a fresh gasoline standard.
Analytes reported as N.D. were not detected above the stated reporting limit.

SEQUOIA ANALYTICAL


Nokowhat D. Herrera
Project Manager

Please Note:

A molecular weight of 85 was used to calculate ppmv for Purgeable Hydrocarbons.



SEQUOIA ANALYTICAL

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Brunsing Associates, Inc.
1735 E. Bayshore, Suite 2A
Redwood City, CA 94063
Attention: Joel Bruxvoort

Client Project ID: 29.12, Pacific Supply
Matrix: Liquid

QC Sample Group: 3LD9701

Reported: Jan 4, 1994

QUALITY CONTROL DATA REPORT

ANALYTE	Benzene	Toluene	Ethyl Benzene	Xylenes
Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Analyst:	M.Nipp	M.Nipp	M.Nipp	M.Nipp

MS/MSD Batch#:	G3LB8702	G3LB8702	G3LB8702	G3LB8702
Date Prepared:	N.A.	N.A.	N.A.	N.A.
Date Analyzed:	12/29/93	12/29/93	12/29/93	12/29/93
Instrument I.D.#:	GCHP-17	GCHP-17	GCHP-17	GCHP-17
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
Matrix Spike % Recovery:	100	98	98	100
Matrix Spike Duplicate % Recovery:	100	99	100	100
Relative % Difference:	0.0	1.0	2.0	0.0

LCS Batch#:

Date Prepared:
Date Analyzed:
Instrument I.D.#:

LCS %
Recovery:

% Recovery Control Limits:	71-133	72-128	72-130	71-120
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Please Note:

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SEQUOIA ANALYTICAL

Nokowhat D. Herrera
Project Manager

PROJ. NO.		PROJECT NAME		NO. OF CONTAINERS	ANALYSIS												REMARKS							
L.P. NO.		SAMPLERS: (Signature)			<div style="text-align: center;"> No 1591 <i>TPH - 2/21/93 (12/16/93)</i> <i>11/2/93 (12/21/93)</i> </div>																			
DATE	SAMPLE I.D.	TYPE																						
12/21/93	U.S.-4/5	1	1	X	X																			
12/21/93	U.S.-4/5	1	1	X	X																			

LABORATORY:

Relinquished by: (Signature) <i>[Signature]</i>	Date/Time 12/21/93 8:30	Received by: (Signature) <i>[Signature]</i>
Relinquished by: (Signature) <i>[Signature]</i>	Date/Time 12/21/93 8:45	Received by: (Signature) <i>[Signature]</i>
Relinquished by: (Signature) <i>[Signature]</i>	Date/Time 12/21/93 8:45	Received for Laboratory by: (Signature) <i>[Signature]</i>

 BRUNSLING 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	
			Remarks <i>[Handwritten notes]</i>



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Brunsing Associates, Inc.
1735 E. Bayshore, Suite 2A
Redwood City, CA 94063
Attention: Joel Bruxvoort

Client Project ID: #29.12, Project Supply Co.
Sample Matrix: Air
Analysis Method: EPA 5030/8015/8020
First Sample #: 3LD4901

Sampled: Dec 27, 1993
Received: Dec 28, 1993
Reported: Jan 4, 1994

TOTAL PURGEABLE PETROLEUM HYDROCARBONS with BTEX DISTINCTION

Analyte	Reporting Limit ppmv	Sample I.D. 3LD4901 VEW-3 Inflow	Sample I.D. 3LD4902 VEW-3 Exhaust	Sample I.D.	Sample I.D.	Sample I.D.	Sample I.D.
Purgeable Hydrocarbons	2.3	6,800	N.D.				
Benzene	0.019	380	N.D.				
Toluene	0.016	230	N.D.				
Ethyl Benzene	0.014	19	N.D.				
Total Xylenes	0.014	58	N.D.				

Chromatogram Pattern: Gas & < C8 --

Quality Control Data

Report Limit Multiplication Factor:	200	1.0
Date Analyzed:	12/28/93	12/28/93
Instrument Identification:	GCHP-3	GCHP-3
Surrogate Recovery, %: (QC Limits = 70-130%)	126	104

Purgeable Hydrocarbons are quantitated against a fresh gasoline standard.
Analytes reported as N.D. were not detected above the stated reporting limit.

SEQUOIA ANALYTICAL


Nokowhat D. Herrera
Project Manager

Please Note:

A molecular weight of 65 was used to calculate ppmv for Purgeable Hydrocarbons.



SEQUOIA ANALYTICAL

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Brunsing Associates, Inc.
1735 E. Bayshore, Suite 2A
Redwood City, CA 94063
Attention: Joel Bruxvoort

Client Project ID: #29.12, Project Supply Co.
Matrix: Liquid

QC Sample Group: 3LD4901

Reported: Jan 4, 1994

QUALITY CONTROL DATA REPORT

ANALYTE	Benzene	Toluene	Ethyl Benzene	Xylenes
Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Analyst:	M.Nipp	M.Nipp	M.Nipp	M.Nipp

MS/MSD	Benzene	Toluene	Ethyl Benzene	Xylenes
Batch#:	G3LC2201	G3LC2201	G3LC2201	G3LC2201
Date Prepared:	N.A.	N.A.	N.A.	N.A.
Date Analyzed:	12/28/93	12/28/93	12/28/93	12/28/93
Instrument I.D.#:	GCHP-3	GCHP-3	GCHP-3	GCHP-3
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
Matrix Spike % Recovery:	89	91	91	90
Matrix Spike Duplicate % Recovery:	100	100	100	103
Relative % Difference:	12	9.4	9.4	14

LCS Batch#:

Date Prepared:
Date Analyzed:
Instrument I.D.#:

LCS %
Recovery:

% Recovery Control Limits:	Benzene	Toluene	Ethyl Benzene	Xylenes
	71-133	72-128	72-130	71-120

Please Note:

The LCS is a control sample of known, interferent free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

SEQUOIA ANALYTICAL

Nokowhat D. Herrera
Project Manager

PROJ. NO.		PROJECT NAME		NO. OF CONTAINERS	ANALYSIS			REMARKS
L.P. NO.		SAMPLERS (Signature):			No 1592			
DATE	SAMPLE I.D.	TYPE						
12/27/93	VEN-3 INFLOW	VAPOR	1	X	X	9312D49-01	Flow Rate = 5 SCFM; sample taken 1 hr. after start-up (3:30pm)	
12/27/93	VEN-3 EXHAUST	VAPOR	1	X	X	↓ 02	Sample taken one hr. after start-up (3:35pm)	
 								

LABORATORY: SECURIA ANALYTICAL

Relinquished by: (Signature) <i>[Signature]</i>	Date/Time 12/28/93 10:00 am	Received by: (Signature) <i>[Signature]</i>
Relinquished by: (Signature) <i>[Signature]</i>	Date/Time 12/28/93 10:00	Received by: (Signature) <i>[Signature]</i>
Relinquished by: (Signature) <i>[Signature]</i>	Date/Time 12/28/93 10:00	Received for Laboratory by: (Signature) <i>[Signature]</i>

Remarks
TURN AROUND TIME - STANDARD.

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
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