


1-206-04

COPY 

MEMORANDUM

To: Nancy Vukelich, Chevron USA
From: Carol Eaton, Sierra Environmental Services
Re: Former Service Station #9-5630, San Lorenzo

July 20, 1992

Attached are the analytic results for the sampling event conducted at the above-referenced site on July 2, 1992. These results appear to be as anomalous as the June results.

When I received these results and compared them to historic data, I was concerned that perhaps samples for C-2 and C-3 were switched. I reviewed the sampling forms, chain of custody document and went to the lab to check the labels on the VOAs (for well ID and time sampled). All labels and times matched up, therefore no mistake was made in that procedure. I personally conducted this sampling and can assure you that all other sampling protocols were followed.

Chris Bramer noted that the screen intervals in all three wells are below the ground water table and he feels that this may result in the inconsistent analytic results.

Please let me know if these results are to be incorporated into the monitoring report.

CE/ly
M072092.CE



Superior Precision Analytical, Inc.

835 Arnold Drive, Suite 106 • Martinez, California 94553 • (510) 229-0166 / fax (510) 229-0916

Sierra Environmental
Attn: Chris Bramer

Project 1-206-04
Reported 07/16/92

TOTAL PETROLEUM HYDROCARBONS

Lab #	Sample Identification	Sampled	Analyzed Matrix
86128- 1	TB-LB	07/02/92	07/13/92 Water
86128- 2	BB	07/02/92	07/13/92 Water
86128- 3	C-1	07/02/92	07/14/92 Water
86128- 4	C-2	07/02/92	07/13/92 Water
86128- 5	C-3	07/02/92	07/14/92 Water

RESULTS OF ANALYSIS

Laboratory Number:	86128- 1	86128- 2	86128- 3	86128- 4	86128- 5
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Gasoline:	ND<50	ND<50	ND<50	770	ND<50
Benzene:	ND<0.5	ND<0.5	ND<0.5	32	ND<0.5
Toluene:	ND<0.5	ND<0.5	ND<0.5	44	ND<0.5
Ethyl Benzene:	ND<0.5	ND<0.5	ND<0.5	34	ND<0.5
Xylenes:	ND<0.5	ND<0.5	ND<0.5	92	ND<0.5
Concentration:	ug/L	ug/L	ug/L	ug/L	ug/L



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C E R T I F I C A T E O F A N A L Y S I S

ANALYSIS FOR TOTAL PETROLEUM HYDROCARBONS

Page 2 of 2
QA/QC INFORMATION
SET: 86128

NA = ANALYSIS NOT REQUESTED
ND = ANALYSIS NOT DETECTED ABOVE QUANTITATION LIMIT
ug/L = parts per billion (ppb)

OIL AND GREASE ANALYSIS By Standard Methods Method 5520F:
Minimum Detection Limit in Water: 5000ug/L

Modified EPA SW-846 Method 8015 for Extractable Hydrocarbons:
Minimum Quantitation Limit for Diesel in Water: 50ug/L

EPA SW-846 Method 8015/5030 Total Purgable Petroleum Hydrocarbons:
Minimum Quantitation Limit for Gasoline in Water: 50ug/L

EPA SW-846 Method 8020/BTXE
Minimum Quantitation Limit in Water: 0.5ug/L

ANALYTE	SPIKE LEVEL	MS/MSD RECOVERY	RPD	CONTROL LIMIT
Gasoline:	200 ng	102/104	2%	70-130
Benzene:	200 ng	102/98	4%	70-130
Toluene:	200 ng	102/99	3%	70-130
Ethyl Benzene:	200 ng	104/100	4%	70-130
Xylenes:	200 ng	102/99	3%	70-130

Richard Srna, Ph.D.

Isolina V Jarguiz (for)
Laboratory Director



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MOCK INVOICE

Chevron USA
P.O. Box 5004
San Ramon, CA 94583

Date: 07/16/92
Date Rcvd: 07/02/92
Date Rptd: 07/16/92
Our Job #: 86128
Invoice #: 86128

Sierra Environmental Job # 1-206-04
Chevron USA Release # 4247210 Facility #: 9-5630

QTY/MATRIX	ANALYSIS	EXT. PRICE
4	Water sample(s) for VPHBTXE @ \$0.00 (NORMAL)	0.00
TOTAL INVOICE		0.00

Please Send Payment To:
Superior Precision Analytical
P.O. Box 1545
Martinez, CA 94553

TERMS: NET 30
A charge of 1.5% per month may be applied to unpaid balances.

F:

and CUC to Chevron Contact: Yes No

86/28

Chain-of-Custody-Record

Chevron U.S.A. Inc.
P.O. BOX 5004
San Ramon, CA 94583
FAX (415)842-9591

Chevron Facility Number: 9-5630
Facility Address: 997 Grant - San Lorenzo,
Consultant Project Number: 1-200-04
Consultant Name: Silva Env. Services
Address: P.O. Box 2546 Martinez, CA
Project Contact (Name): Chris Bramer
(Phone) 370-1280 (Fax Number) 370-7959

Chevron Contact (Name): Nancy Vukelich
(Phone) _____
Laboratory Name: Superior Precision Anal.
Laboratory Release Number: 4247210
Samples Collected by (Name): C. Eaton
Collection Date: 7/2/92
Signature: C. Eaton

Sample Number	Lab Sample Number	Number of Containers	Matrix S = Soil W = Water A = Air C = Charcoal	Type G = Grab C = Composite D = Discrete	Time	Sample Preservation	Iced (Yes or No)	Analyses To Be Performed											Note: Do Not Bill TB-LB Samples
								BTEX + TPH GAS (8020 + 8015)	TPH Diesel (8015)	Oil and Grease (5520)	Purgeable Halocarbons (8010)	Purgeable Aromatics (8020)	Purgeable Organics (8240)	Extractable Organics (8270)	Metals Cd, Cr, Pb, Zn, Ni (ICAP or AA)				
TB-LB		3	W	G	11:05	HCl	Y	✓											Analyze in Order
BB		↓	↓	↓	11:15	↓	↓	✓											↓
C-1		↓	↓	↓	11:18	↓	↓	✓											↓
C-2		↓	↓	↓	11:40	↓	↓	✓											↓
C-3		↓	↓	↓	12:05	↓	↓	✓											↓

Please Initial: _____
 Samples Stored in ice. _____
 Appropriate containers _____
 Samples preserved _____
 VOA's without headspace _____
 Comments: _____

(Handwritten initials)

COC-3.DWG/03 91/HCH

Relinquished By (Signature): <u>C. Eaton</u>	Organization: <u>SES</u>	Date/Time: <u>7/2/92 2:10 PM</u>	Received By (Signature): _____	Organization: _____	Date/Time: _____	Turn Around Time (Circle Choice) 24 Hrs. 48 Hrs. 5 Days 10 Days <u>As Contracted</u>
Relinquished By (Signature): _____	Organization: _____	Date/Time: _____	Received By (Signature): _____	Organization: _____	Date/Time: _____	
Relinquished By (Signature): _____	Organization: _____	Date/Time: _____	Received For Laboratory By (Signature): <u>Nancy A. Wilson</u>	Organization: _____	Date/Time: <u>7/2/92 2:10 PM</u>	