



Chevron

November 22, 1995

Chevron U.S.A. Products Company

6001 Bollinger Canyon Road
Building L
San Ramon, CA 94583
P.O. Box 5004
San Ramon, CA 94583-0804

Mr. Scott Seery
Alameda Co. Dept. of Environmental Health
1131 Harbor Bay Pkwy, 2nd Floor
Alameda, CA 94502-6577

Marketing - Northwest Region
Phone 510 842 9500

Re : Former Chevron Service Station 9-4930
3369 Castro Valley Blvd., Castro Valley, California

Dear Mr. Seery :

The enclosed report from Blaine Tech Services documents the November 1, 1995 monitoring and sampling event. Results from this event show a south westerly gradient and lower concentrations in all wells with the exception of MW-3 which shows a relatively minor increase (+101 ppb) in TPH-G. Results from MW-3 continue to show non-detectable levels of BTEX.

In regards to the additional investigation, Chevron is still in the process of obtaining access to Kragen's parking lot. Access to all the other locations have been obtained. If Chevron does not obtain access by January 31, 1995, Chevron will proceed with the investigation and conduct the investigation of Kragen's parking lot at a later time.

If you have any questions or comments, please feel free to give me a call at (510) 842-8752.

Sincerely,
Chevron U.S.A. Products Co.

Kenneth Kan
Engineer

LKAN/94930R06

Enclosure

cc : Mr. Kevin Graves, RWQCB-San Francisco Bay Region
2101 Webster St., Suite 500, Oakland, CA 94612

Anna Counelis & Tula Gallanes
109 Casa Vieja Place, Orinda, CA 94563

Ms. Bette Owen, Chevron U.S.A. Products Co.

Mr. Mark Sullivan, Pacific Environmental Group
2025 Gateway Place, Suite 440, San Jose, CA 95110

RECEIVED
NOV 27 1995

November 20, 1995

Kenneth Kan
Chevron U.S.A. Products Company
P.O. Box 5004
San Ramon, CA 94583-0804

4th Quarter 1995 Monitoring at 9-4930

Fourth Quarter 1995 Groundwater Monitoring at
Chevron Service Station Number 9-4930
3369 Castro Valley Blvd.
Castro Valley, CA

Monitoring Performed on November 1, 1995

Groundwater Sampling Report 951101-T-2

This report covers the routine quarterly monitoring of groundwater wells at this Chevron facility. Blaine Tech Services, Inc.'s work at the site includes inspection, gauging, evacuation, purgewater containment, sample collection and sample handling in accordance with standard procedures that conform to Regional Water Quality Control Board requirements.

Routine field data collection includes depth to water, total well depth, thickness of any separate immiscible layer, water column volume, calculated volume of a three-case volume purge, elapsed evacuation time, total volume of water removed, and standard water parameter instrument readings. Sample material is collected, contained, stored, and transported to the laboratory in conformance with EPA standards. Purgewater is, likewise, collected and transported to Chevron's Richmond Refinery for disposal.

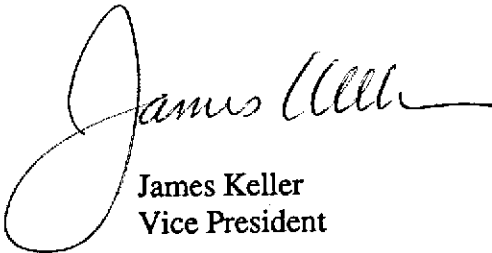
Basic field information is presented alongside analytical values excerpted from the laboratory report in the cumulative table of **WELL DATA AND ANALYTICAL RESULTS**. The full analytical report for the most recent samples is located in the **Analytical Appendix**. The table also contains new groundwater elevation calculations taken from the computer plotted gradient map which is located in the **Professional Engineering Appendix**.

At a minimum, Blaine Tech Services, Inc. field personnel are certified upon completion of a forty-hour Hazardous Materials and Emergency Response training course per 29 CFR 1910.120. Field personnel are also enrolled in annual eight hour refresher courses.

Blaine Tech Services, Inc. conducts sampling and documentation assignments of this type as an independent third party. In order to avoid compromising the objectivity necessary for the proper and disinterested performance of this work, Blaine Tech Services, Inc. concentrates on objective data collection and does not participate in the interpretation of analytical results, the definition of geological or hydrological conditions, the formulation of recommendations, or the marketing of remedial systems.

Please call if you have any questions.

Yours truly,



James Keller
Vice President

JPK/dk

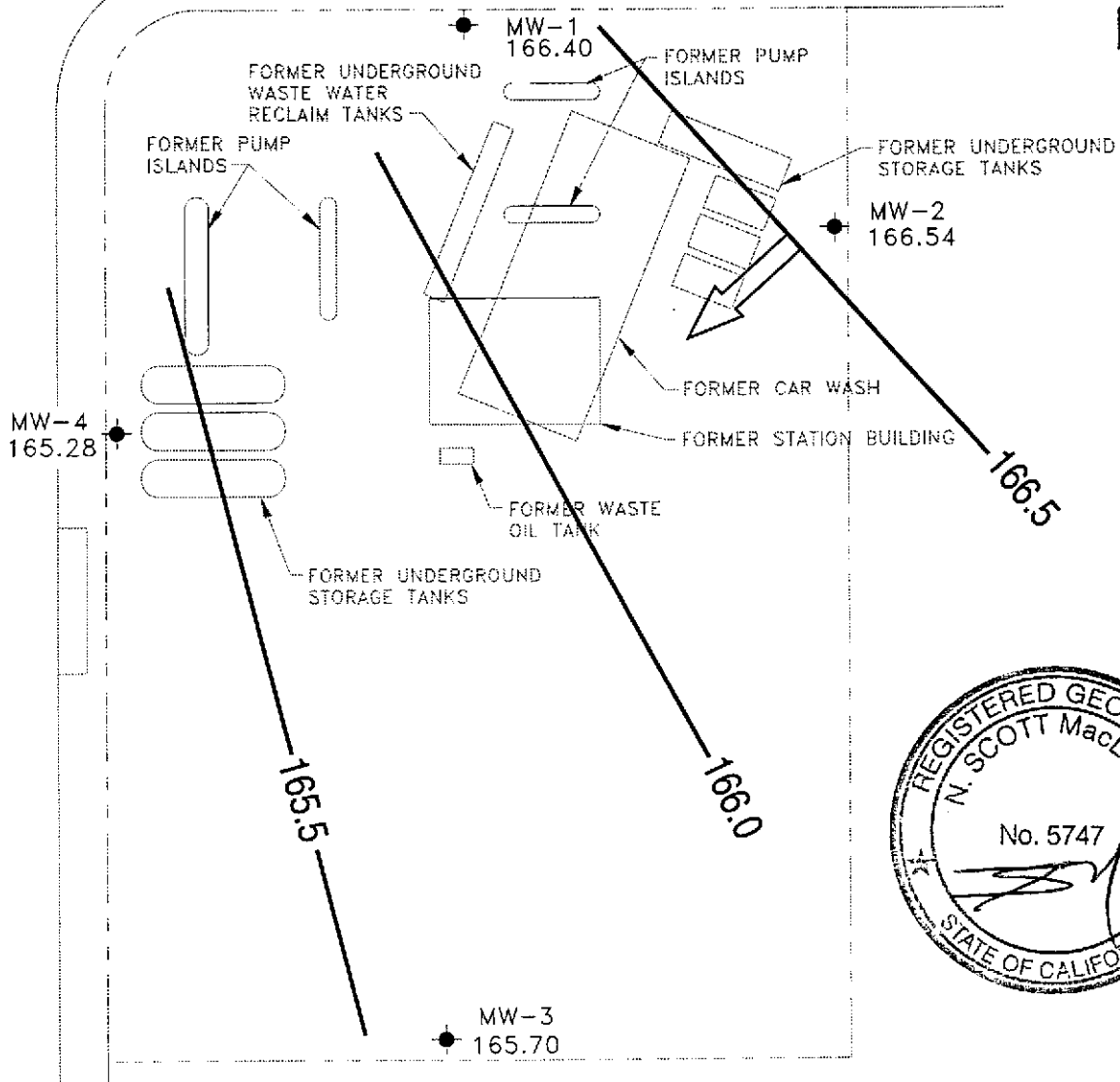
attachments: Professional Engineering Appendix
Cumulative Table of Well Data and Analytical Results
Analytical Appendix
Field Data Sheets

Professional Engineering Appendix

CASTRO VALLEY BLVD.



WILBEAM AVE.



LEGEND

- PROPERTY LINE
- MONITORING WELL
- POTENTIOMETRIC SURFACE ELEVATION (FT)
- POTENTIOMETRIC SURFACE CONTOUR
- GROUNDWATER FLOW DIRECTION AND GRADIENT

NOTE:
1. CONTOURS REPRESENT APPROXIMATE ELEVATIONS ABOVE MEAN SEA LEVEL.



Base map from Groundwater Technology, Inc.



Chevron Facility 9-4930
3369 Castro Valley Blvd
Castro Valley, California

ICHEVRON\9-4930\4930-QM.DWG

Ground Water Elevation
November 1, 1995

FIGURE
1

Table of Well Data and Analytical Results

Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet.

Analytical results are in parts per billion (ppb)

DATE	Well	Ground	Depth	Notes	Analytical results are in parts per billion (ppb)									
	Head Elev.	Water Elev.	To Water		TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	1,2-DCE	TCE	DCFM	PCE	MTBE
MW-1														
10/29/93	172.90	166.15	6.75	--	1000	11	17	32	110	--	--	--	--	--
02/25/94	172.90	166.80	6.10	--	250	6.0	1.0	5.0	3.0	--	--	--	--	--
04/04/94	172.90	166.14	6.76	--	--	--	--	--	--	--	--	--	--	--
04/29/94	172.90	166.35	6.55	--	--	--	--	--	--	--	--	--	--	--
06/13/94	172.90	166.12	6.78	--	670	35	3.5	43	3.9	0.8	16	14	47	--
06/30/94	172.90	166.06	6.84	--	--	--	--	--	--	--	--	--	--	--
07/28/94	172.90	166.03	6.87	--	--	--	--	--	--	--	--	--	--	--
08/31/94	172.90	166.00	6.90	--	560	43	9.5	25	5.0	1.3	19	13	65	--
11/11/94	172.90	167.00	5.90	--	460	53	4.0	50	3.4	--	--	--	--	--
02/01/95	172.90	166.88	6.02	--	240	25	0.60	4.0	<0.5	--	--	--	--	--
05/18/95	172.90	166.82	6.08	--	580	42	1.0	53	2.6	--	--	--	--	--
08/22/95	172.90	166.52	6.38	--	840	73	1.2	110	1.6	--	--	--	--	--
11/01/95	172.90	166.40	6.50	--	350	36	<0.5	30	<0.5	--	--	--	--	15
MW-2														
10/29/93	173.91	166.05	7.86	--	5600	140	3.2	17	330	--	--	--	--	--
02/25/94	173.91	166.96	6.95	--	820	41	<0.5	17	5.0	--	--	--	--	--
04/04/94	173.91	166.18	7.73	--	--	--	--	--	--	--	--	--	--	--
04/29/94	173.91	166.23	7.68	--	--	--	--	--	--	--	--	--	--	--
06/13/94	173.91	166.20	7.71	--	1100	160	0.8	64	2.0	<0.5	0.9	<0.5	2.0	--
06/30/94	173.91	165.87	8.04	--	--	--	--	--	--	--	--	--	--	--
07/28/94	173.91	165.99	7.92	--	--	--	--	--	--	--	--	--	--	--
08/31/94	173.91	165.98	7.93	--	190	7.1	4.1	3.1	1.2	<0.5	1.1	<0.5	4.5	--
11/11/94	173.91	167.08	6.83	--	440	120	<1.0	18	<1.0	--	--	--	--	--
02/01/95	173.91	167.77	6.14	--	240	81	<1.0	<1.0	<1.0	--	--	--	--	--
05/18/95	173.91	166.91	7.00	--	330	74	<0.5	26	1.3	--	--	--	--	--
08/22/95	173.91	166.58	7.33	--	390	84	<1.0	2.1	<1.0	--	--	--	--	--
11/01/95	173.91	166.54	7.37	--	190	46	<0.5	1.6	<0.5	--	--	--	--	<2.5

Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet.

Analytical results are in parts per billion (ppb)

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	1,2-DCE	TCE	DCFM	PCE	MTBE
MW-3														
10/29/93	172.60	164.96	7.64	--	110	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
02/25/94	172.60	166.22	6.38	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
04/04/94	172.60	165.21	7.39	--	--	--	--	--	--	--	--	--	--	--
04/29/94	172.60	165.62	6.98	--	--	--	--	--	--	--	--	--	--	--
06/13/94	172.60	165.15	7.45	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	2.0	<0.5	220	--
06/30/94	172.60	165.05	7.55	--	--	--	--	--	--	--	--	--	--	--
07/28/94	172.60	164.93	7.67	--	--	--	--	--	--	--	--	--	--	--
08/31/94	172.60	164.81	7.79	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	1.6	<0.5	320	--
11/11/94	172.60	165.73	6.87	Sampled biannually	--	--	--	--	--	--	--	--	--	--
02/01/95	172.60	167.03	5.57	--	89	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
05/18/95	172.60	165.79	6.81	--	--	--	--	--	--	--	--	--	--	--
08/22/95	172.60	165.35	7.25	--	190	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
11/01/95	172.60	165.70	6.90	--	--	--	--	--	--	--	--	--	--	--
MW-4														
10/29/93	170.68	165.18	5.50	--	640	6.7	3.3	0.6	6.7	--	--	--	--	--
02/25/94	170.68	165.86	4.82	--	450	20	0.8	12	6.0	--	--	--	--	--
04/04/94	170.68	165.23	5.45	--	--	--	--	--	--	--	--	--	--	--
04/29/94	170.68	165.45	5.23	--	--	--	--	--	--	--	--	--	--	--
06/13/94	170.68	165.14	5.54	--	1700	130	1.4	100	11	22	59	13	180	--
06/30/94	170.68	165.13	5.55	--	--	--	--	--	--	--	--	--	--	--
07/28/94	170.68	165.06	5.62	--	--	--	--	--	--	--	--	--	--	--
08/31/94	170.68	165.00	5.68	--	800	17	3.5	9.3	4.4	25	53	22	510	--
11/11/94	170.68	165.46	5.22	--	500	26	<0.5	30	4.3	--	--	--	--	--
02/01/95	170.68	165.12	5.56	--	1600	180	<2.0	31	42	--	--	--	--	--
05/18/95	170.68	165.70	4.98	--	1300	130	<2.0	140	5.5	--	--	--	--	--
08/22/95	170.68	165.35	5.33	--	970	50	<1.2	75	<1.2	--	--	--	--	--
11/01/95	170.68	165.28	5.40	--	320	3.3	<0.5	4.1	<0.5	--	--	--	--	27

Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet.

Analytical results are in parts per billion (ppb)

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	Notes	TPH- Gasoline	Benzene	Toluene	Ethyl- Benzene	Xylene	1,2- DCE	TCE	DCFM	PCE	MTBE
TRIP BLANK														
02/25/94	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
06/13/94	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
08/31/94	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
11/11/94	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
02/01/95	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
05/18/95	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
08/22/95	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
11/01/95	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--

Note: Blaine Tech Services, Inc. began routine monitoring of the groundwater wells at this site on November 1, 1994.
 Earlier field data and analytical results are drawn from the September 27, 1994 Groundwater Technology, Inc. report.

ABBREVIATIONS:

- TPH = Total Petroleum Hydrocarbons
- 1,2-DCE = 1,2-Dichloroethene
- TCE = Trichloroethene
- DCFM = Dichlorodifluoromethane
- PCE = Tetrachloroethene
- MTBE = Metyl t-Butyl Ether

Analytical Appendix



Blaine Technical Services 985 Timothy Drive San Jose, CA 95133	Client Proj. ID: Chevron 9-4930/951101-T2 Sample Descript: MW1 Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9511122-01	Sampled: 11/01/95 Received: 11/02/95 Analyzed: 11/04/95 Reported: 11/07/95
Attention: Jim Keller		


QC Batch Number: GC110395BTEX02B
Instrument ID: GCHP02

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	350
Methyl t-Butyl Ether	2.5	15
Benzene	0.50	36
Toluene	0.50	N.D.
Ethyl Benzene	0.50	30
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern:		Gas
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	111

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210



Peggy Penner
Project Manager





Blaine Technical Services 985 Timothy Drive San Jose, CA 95133 Attention: Jim Keller	Client Proj. ID: Chevron 9-4930/951101-T2 Sample Descript: MW2 Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9511122-02	Sampled: 11/01/95 Received: 11/02/95 Analyzed: 11/04/95 Reported: 11/07/95
---	--	---

QC Batch Number: GC110395BTEX02B
Instrument ID: GCHP02


Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	190
Methyl t-Butyl Ether	2.5	N.D.
Benzene	0.50	46
Toluene	0.50	N.D.
Ethyl Benzene	0.50	1.6
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern:		Gas

Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	96

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210



Peggy Penner
Project Manager





Blaine Technical Services 985 Timothy Drive San Jose, CA 95133	Client Proj. ID: Chevron 9-4930/951101-T2 Sample Descript: MW4 Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9511122-03	Sampled: 11/01/95 Received: 11/02/95 Analyzed: 11/04/95 Reported: 11/07/95
Attention: Jim Keller		

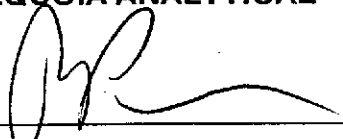
QC Batch Number: GC110395BTEX02B
Instrument ID: GCHP02

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	320
Methyl t-Butyl Ether	2.5	27
Benzene	0.50	3.3
Toluene	0.50	N.D.
Ethyl Benzene	0.50	4.1
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern: Discrete Peak		Gas ...
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	85

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210



Peggy Penner
Project Manager





Blaine Technical Services 985 Timothy Drive San Jose, CA 95133 Attention: Jim Keller	Client Proj. ID: Chevron 9-4930/951101-T2 Sample Descript: TB Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9511122-04	Sampled: 11/01/95 Received: 11/02/95 Analyzed: 11/04/95 Reported: 11/07/95
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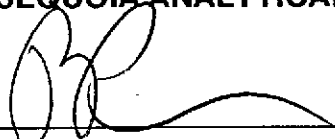
QC Batch Number: GC110395BTEX02B
Instrument ID: GCHP02

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	N.D.
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern:		
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	89

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210



Peggy Penner
Project Manager





**Sequoia
Analytical**

680 Chesapeake Drive
404 N. Wiget Lane
819 Striker Avenue, Suite 8

Redwood City, CA 94063
Walnut Creek, CA 94598
Sacramento, CA 95834

(415) 364-9600
(510) 988-9600
(916) 921-9600

FAX (415) 364-9233
FAX (510) 988-9673
FAX (916) 921-0100

Blaine Technical Services
985 Timothy Drive
San Jose, CA 95133
Attention: Jim Keller

Client Proj. ID: Chevron 9-4930/951101-T2

Received: 11/02/95

Lab Proj. ID: 9511122

Reported: 11/07/95

LABORATORY NARRATIVE

No issues.

SEQUOIA ANALYTICAL

Peggy Penner
Project Manager





Blaine Tech Services, Inc.
985 Timothy Drive
San Jose, CA 95133
Attention: Jim Keller

Client Project ID: Chevron 9-4930/951101-T2
Matrix: Liquid

Work Order #: 9511122 -01-04

Reported: Nov 13, 1995

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC110395BTEX02B	GC110395BTEX02B	GC110395BTEX02B	GC110395BTEX02B
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030

Analyst:	J. Woo	J. Woo	J. Woo	J. Woo
MS/MSD #:	951015901	951015901	951015901	951015901
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	11/3/95	11/3/95	11/3/95	11/3/95
Analyzed Date:	11/3/95	11/3/95	11/3/95	11/3/95
Instrument I.D.#:	GCHP2	GCHP2	GCHP2	GCHP2
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
Result:	11	11	11	32
MS % Recovery:	110	110	110	107
Dup. Result:	11	10	11	32
MSD % Recov.:	110	100	110	107
RPD:	0.0	9.5	0.0	0.0
RPD Limit:	0-50	0-50	0-50	0-50

LCS #:	BLK102795	BLK102795	BLK102795	BLK102795
Prepared Date:	11/3/95	11/3/95	11/3/95	11/3/95
Analyzed Date:	11/3/95	11/3/95	11/3/95	11/3/95
Instrument I.D.#:	GCHP2	GCHP2	GCHP2	GCHP2
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
LCS Result:	11	11	11	33
LCS % Recov.:	110	110	110	110

MS/MSD LCS Control Limits	71-133	72-128	72-130	71-120
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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

J. Mogan
Peggy Penner
Project Manager

** MS= Matrix Spike, MSD= MS Duplicate, RPD= Relative % Difference

9511122.BLA <1>



Field Data Sheets

CHEVRON WELL MONITORING DATA SHEET

Project #: 951101-T2	Station #: 9-4930
Sampler: NT	Start Date: 11/1
Well I.D.: RW1	Well Diameter: (circle one) <input checked="" type="radio"/> 3 <input type="radio"/> 4 <input type="radio"/> 6
Total Well Depth: Before 18.60 After	Depth to Water: Before 6.50 After
Depth to Free Product:	Thickness of Free Product (feet):
Measurements referenced to: <input checked="" type="radio"/> VCO	Grade <input type="radio"/> Other: <input type="radio"/>

Well Diameter	VCF	Well Diameter	VCF
1"	0.04	6"	1.47
2"	0.16	8"	2.61
3"	0.37	10"	4.08
4"	0.65	12"	5.87
5"	1.02	16"	10.43

<u>2.0</u>	\times	<u>3</u>	$=$	<u>6.0</u>	gallons
1 Case Volume		Specified Volumes			

Purging: Bailer Disposable Bailer Middleburg Electric Submersible Extraction Pump Other _____	Sampling: Bailer Disposable Bailer Extraction Port Other _____
--	---

TIME	TEMP. (F)	pH	COND.	TURBIDITY:	VOLUME REMOVED:	OBSERVATIONS:
11:15	74.4	7.0	800	-	2	
11:17	73.6	6.9	700	-	4	
11:19	73.4	6.9	700	-	6	

Did Well Dewater? If yes, gals. Gallons Actually Evacuated: 6

Sampling Time: 11:25 Sampling Date: 11/1

Sample I.D.: RW1 Laboratory: SEQ

Analyzed for: TPH-G BTEX TPH-D OTHER: _____
 (Circle)

Duplicate I.D.: Cleaning Blank I.D.:

Analyzed for: TPH-G BTEX TPH-D OTHER: _____
 (Circle)

CHEVRON WELL MONITORING DATA SHEET

Project #: 95101-72	Station #: 94930
Sampler: MT	Start Date: 11/1
Well I.D.: MW2	Well Diameter: (circle one) ② 3 4 6
Total Well Depth: Before 18.39 After	Depth to Water: Before 7.37 After
Depth to Free Product:	Thickness of Free Product (feet):
Measurements referenced to: <u>RVC</u> Grade Other:	

Well Diameter	VCF	Well Diameter	VCF
1"	0.04	6"	1.47
2"	0.16	8"	2.61
3"	0.37	10"	4.08
4"	0.65	12"	5.87
5"	1.02	16"	10.43

<u>1.8</u>	\times	<u>3</u>	$=$	<u>5.4</u>	gallons
1 Case Volume		Specified Volumes			

Purging: Bailer
 Disposable Bailer
 Middleburg
 Electric Submersible
 Extraction Pump
 Other _____

Sampling: Bailer
 Disposable Bailer
 Extraction Port
 Other _____

TIME	TEMP. (F)	PH	COND.	TURBIDITY:	VOLUME REMOVED:	OBSERVATIONS:
10:51	72.0	7.0	1000	-	2	
10:53	71.0	6.9	1000	-	4	
10:55	71.0	6.9	1000	-	5.5	

Did Well Dewater? NO If yes, gals. Gallons Actually Evacuated: 5.5

Sampling Time: 11:00 Sampling Date: _____

Sample I.D.: MW2 Laboratory: SER

Analyzed for: TPH-G BTEX TPH-D OTHER: _____
 (Circle)

Duplicate I.D.: _____ Cleaning Blank I.D.: _____

Analyzed for: TPH-G BTEX TPH-D OTHER: _____
 (Circle)

CHEVRON WELL MONITORING DATA SHEET

Project #: 951161-12		Station #: 9-4930	
Sampler: NT		Start Date: 11/1	
Well I.D.: mw4		Well Diameter: (circle one) <u>2</u> 3 4 6	
Total Well Depth: Before 17.52 After		Depth to Water: Before 5.40 After	
Depth to Free Product:		Thickness of Free Product (feet):	
Measurements referenced to:		<input checked="" type="checkbox"/> EVO	Grade Other:

Well Diameter	VCF	Well Diameter	VCF
1"	0.04	6"	1.47
2"	0.16	8"	2.61
3"	0.37	10"	4.08
4"	0.65	12"	5.87
5"	1.02	16"	10.43

$$\underline{2.0} \quad \times \quad \underline{3} \quad = \quad \underline{6.0} \quad \text{gallons}$$

1 Case Volume Specified Volumes

Purging: Bailer
 Disposable Bailer X
 Middleburg
 Electric Submersible
 Extraction Pump
 Other _____

Sampling: Bailer
 Disposable Bailery
 Extraction Port
 Other _____

TIME	TEMP. (F)	pH	COND.	TURBIDITY:	VOLUME REMOVED:	OBSERVATIONS:
11:35	72.4	6.6	800	-	2	
11:37	72.2	6.9	800	-	4.	
11:39	72.4	6.9	900	-	6	

Did Well Dewater? NO If yes, gals. Gallons Actually Evacuated: 6

Sampling Time: 11:45 Sampling Date: 11/1

Sample I.D.: mw4 Laboratory: SEQ

Analyzed for: TPH-G BTEX TPH-D OTHER:

Duplicate I.D.: Cleaning Blank I.D.:

Analyzed for: TPH-G BTEX TPH-D OTHER:
 (Circle)