



Chevron

July 5, 1995

RECEIVED BY
FIRE PREVENTION OFFICE

Mr. Sumadhu Arigala
Regional Water Quality Control Board
San Francisco Bay Region
2101 Webster Street, Suite 500
Oakland, CA 94612

JUL 07 1995

HAYWARD FIRE DEPARTMENT

Chevron U.S.A. Products Company
6001 Bollinger Canyon Rd., Bldg. L
P.O. Box 5004
San Ramon, CA 94583-0804

Site Assessment & Remediation Group
Phone (510) 842-9500

Re: **Chevron Service Station #9-0260**
21995 Foothill Boulevard, Hayward, CA

Dear Mr. Arigala:

Enclosed is the Quarterly Groundwater Sampling report dated June 23, 1995, prepared by our consultant Gettler-Ryan, Inc. for the above referenced site. Currently, monitor wells MW-6, MW-9, MW-11, and MW-13 are sampled during the 1st and 3rd quarters and monitor wells MW-4, MW-5, MW-7, MW-8, and MW-12 are sampled during the 2nd and 4th quarters. Monitor well MW-10 is sampled during the first quarter only. Monitor wells MW-14, MW-15, MW-16, and MW-17 are sampled during all four quarters. Depth to water measurements are taken from all wells on a quarterly basis to maintain knowledge of ground water flow direction and gradient.

As indicated in the report, ground water samples collected were analyzed for total petroleum hydrocarbons as gasoline (TPH-G) and BTEX. The levels of dissolved hydrocarbon constituents in the ground water samples analyzed were all below method detection limits. This represents a deviation from historical trends and the specific reason is currently unknown. The ground water elevation is very high which may indicate that the well screens are submerged. This would theoretically yield lower concentrations than if the water table was located across the well screen. We will closely monitor concentrations across the site during successive sampling events to determine possible trends.

Depth to ground water was measured at approximately 9.0 to 21.7 feet below grade and the direction of flow is to the southwest.

The ground water extraction system at this site has treated approximately 280,000 gallons of hydrocarbon impacted ground water to date. We are currently evaluating additional remediation options at this site. Chevron will continue to monitor and sample all wells at this site in accordance with the schedule outlined above.

If you have any questions or comments, please feel free to contact me at (510) 842-8134.

Sincerely,
CHEVRON U.S.A. PRODUCTS COMPANY

Mark A. Miller
Site Assessment and Remediation Engineer
Enclosure

cc: Mr. Rafat Shahid, Alameda County Health Care Services
✓ Mr. Hugh Murphy, City of Hayward Fire Department

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Chevron SS#9-0260

Mr. Kent O'Brien, Geraghty & Miller - Richmond
Mr. S.A. Willer



GETTLER-RYAN INC.

June 23, 1995

Mark Miller
Chevron USA Products Company
P.O. Box 5004
San Ramon, CA 94583

Re: Chevron Service Station #9-0260
21995 Foothill Boulevard
Hayward, CA
Job #5110.85

Dear Mr. Miller:

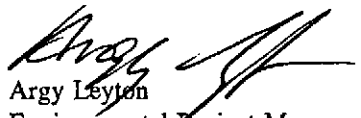
This report documents the quarterly groundwater sampling event performed by Gettler-Ryan, Inc. (G-R). On May 15, 1995, field personnel were on-site to gauge fourteen wells (MW-4 through MW-17) and sample ten wells (MW-4, MW-5, MW-7, MW-8, MW-10, MW-12, and MW-14 through MW-17) at Chevron Service Station #9-0260 located at 21995 Foothill Boulevard in Hayward, California.

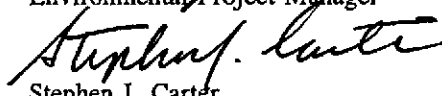
Static groundwater levels were measured on May 15, 1995. All wells were checked for the presence of separate-phase hydrocarbons. Separate-phase hydrocarbons were not present in any of the site wells. Static water level data and groundwater elevations are presented in Table 1. A potentiometric map is included as Figure 1.

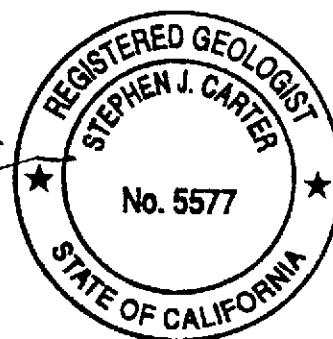
Groundwater samples were collected from the monitoring wells as specified by G-R Standard Operating Procedure - Quarterly Groundwater Sampling (attached). The field data sheets for this event are also attached. The samples were analyzed by Sequoia Analytical. Analytic results are presented in Table 1. The chain of custody document and laboratory analytic report are attached. G-R is not responsible for laboratory omissions or errors.

Thank you for allowing Gettler-Ryan to provide environmental services to Chevron. Please call if you have any questions or comments regarding this report.

Respectfully submitted,

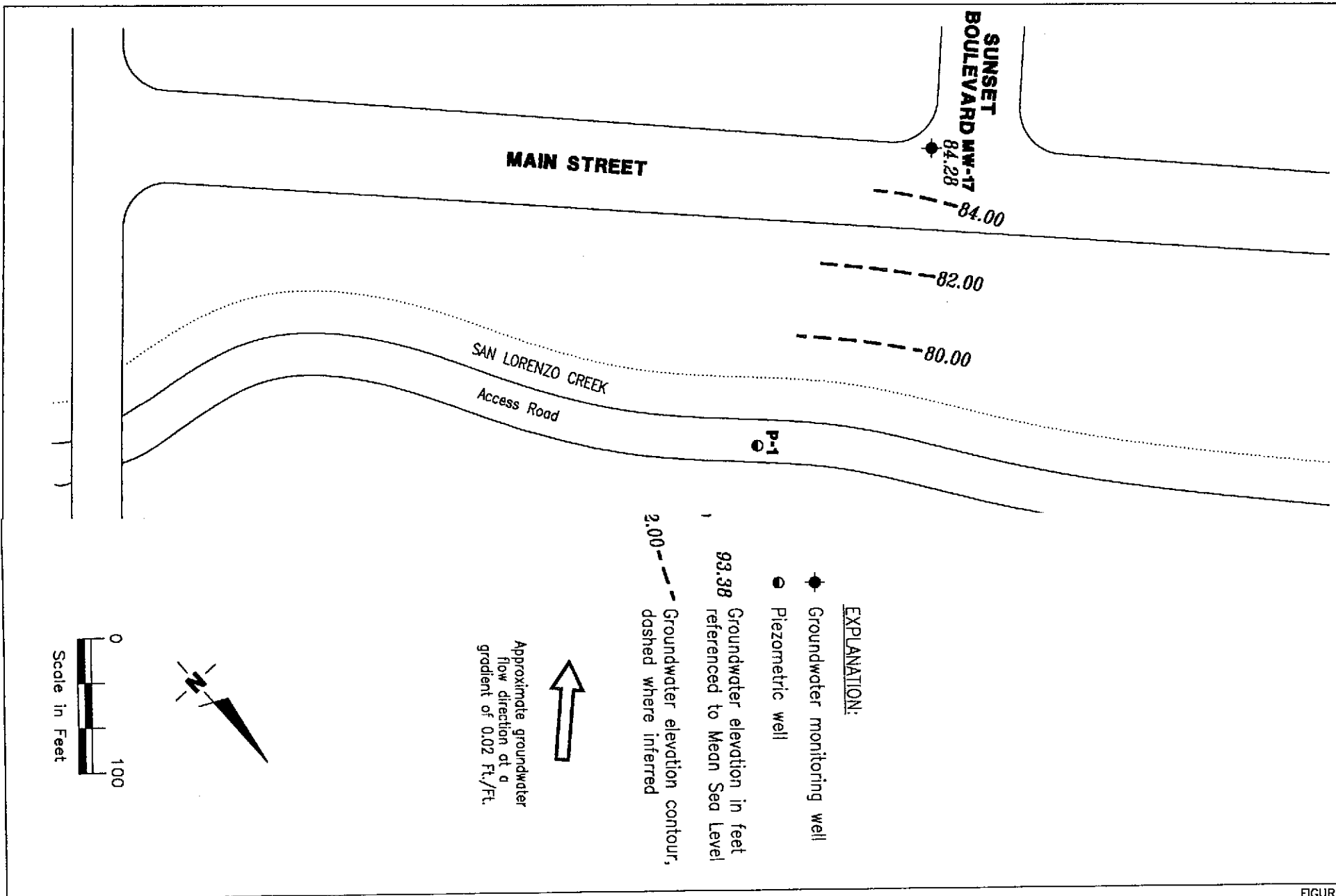

Argy Leyton
Environmental Project Manager


Stephen J. Carter
Senior Geologist, R.G. 5577



AML/SJC/rjb
5110.QML

Figure 1: Potentiometric Map
Table 1: Water Level Data and Groundwater Analytic Results
Attachments: Standard Operating Procedure - Quarterly Groundwater Sampling
Field Data Sheets
Chain of Custody Document and Laboratory Analytic Report



FIGURE

1



Gettler - Ryan Inc.

6747 Sierra Ct., Suite J (510) 551-7555
Dublin, CA 94568

POTENTIOMETRIC MAP

Chevron Service Station No. 9-1260
21995 Foothill Boulevard
Hayward, California

JOB NUMBER
5110.80

REVIEWED BY

DATE
May 15, 1995

REVISED DATE



Table 1. Water Level Data and Groundwater Analytic Results - Chevron Service Station #9-0260, 21995 Foothill Boulevard, Hayward, California

Well ID/ TOC (ft)	Date	DTW (ft)	GWE (msl)	Product Thickness* (ft)	Analytic Method	TPPH(G)	B	T	E	X
						-----ppb----->				
MW-4 100.75	2/5/88	---	---	0	8240	88,000	24,000	19,000	1,700	10,000
	6/15/88	12.92	87.83	0	8240	95,000	45,000	30,000	2,100	17,000
	9/27/88 ^{1,2}	14.22	86.53	0	8240	500,000	41,000	27,000	<5,000	16,000
	9/27/88 ^{1,3,4}	---	---	0	8240	88,000	1,200	4,100	1,600	12,000
	1/5/89	13.20	87.55	0	8240	64,000	41,000	29,000	2,700	14,000
	4/6/89	12.32	88.43	---	---	---	---	---	---	---
	6/28/89	14.25	86.50	0	8240	110,000	34,000	24,000	2,400	13,000
	10/3/89	14.75	86.00	0	8240	240,000	36,000	31,000	3,200	19,000
	1/4/90	14.75	86.00	0	8240	130,000	33,000	28,000	2,400	14,000
	4/3/90	13.81	86.94	0	8240	110,000	41,000	32,000	2,900	17,000
	7/3/90	14.06	86.69	0	8240	180,000	32,000	30,000	2,600	15,000
	11/6/90	15.66	85.09	0	8240	170,000	31,000	30,000	2,700	17,000
	1/4/91	15.18	85.87	---	---	---	---	---	---	---
	4/3/91	11.00	89.75	0	8240	130,000	21,000	24,000	2,300	14,000
	7/2/91	14.25	86.50	---	---	---	---	---	---	---
	10/2/91	16.16	84.59	0	8240	240,000	27,000	33,000	2,600	16,000
	1/2/92	15.26	85.49	---	---	---	---	---	---	---
	4/7/92	12.38	88.37	---	---	---	---	---	---	---
	8/13/92	16.68	84.05	---	---	---	---	---	---	---
	12/3/92	16.17	84.58	---	8240	1,300,000	17,000	41,000	12,000	90,000
100.73	3/25/93	10.50	90.23	---	---	---	---	---	---	---
	10/4/94	12.84	87.89	0	---	---	---	---	---	---
	11/14/94 ¹⁰	---	---	---	---	---	---	---	---	---
	5/15/95	11.37	89.36	0	8015/8020	<50	<0.50	<0.50	<0.50	<0.50
MW-5 99.97	2/5/88	---	---	0	8240	80,000	16,000	15,000	2,600	17,000
	6/15/88	12.30	87.67	0	8240	77,000	42,000	38,000	2,500	16,000
	9/27/88 ^{1,2}	13.25	86.72	0	8240	470,000	39,000	32,000	<5,000	16,000
	9/27/88 ^{1,3}	---	---	---	8240	48,000	1,800	3,500	1,600	10,000
	1/5/89	12.70	87.27	0	8240	82,000	44,000	37,000	2,400	14,000
	4/6/89	12.22	87.75	---	---	---	---	---	---	---
	6/28/89	13.81	86.16	0	8240	80,000	36,000	24,000	2,400	13,000
	10/3/89	14.27	85.70	0	8240	240,000	40,000	35,000	2,600	15,000
	1/4/90	14.31	85.66	0	8240	130,000	37,000	31,000	2,400	13,000
	4/3/90	13.50	86.47	0	8240	120,000	41,000	33,000	2,500	14,000
	7/3/90	13.64	86.33	0	8240	200,000	28,000	25,000	1,800	10,000
	11/6/90	15.14	84.83	0	8240	370,000	38,000	36,000	4,700	31,000
	1/4/91	14.90	85.08	0.01	---	---	---	---	---	---
	4/3/91	11.56	88.41	0	8240	140,000	36,000	32,000	2,700	17,000
	7/2/91	13.89	86.08	0	---	---	---	---	---	---



Table 1. Water Level Data and Groundwater Analytic Results - Chevron Service Station #9-0260, 21995 Foothill Boulevard, Hayward, California (continued)

Well ID/ TOC (ft)	Date	DTW (ft)	GWE (msl)	Product Thickness* (ft)---	Analytic Method	TPPH(G)	B	T	E	X
						-----ppb----->				
MW-5/ (cont)	10/2/91	15.26	84.71	0	8240	230,000	34,000	31,000	2,700	16,000
	1/2/92	14.97	85.00	0	---	---	---	---	---	---
	4/7/92	13.44	86.53	0	8240	220,000	35,000	30,000	2,500	14,000
	8/13/92	15.61	84.36	0	---	---	---	---	---	---
	12/3/92	16.29	83.68	<0.02 ⁶	---	---	---	---	---	---
	3/25/93	10.97	89.00	0	---	---	---	---	---	---
	6/23/93	12.60	87.40	0.04	---	---	---	---	---	---
	9/21/93	14.00	85.99	0.03	---	---	---	---	---	---
	12/2/93	14.27	85.73	0.04	---	---	---	---	---	---
	3/8/94	12.16	87.81	0	---	---	---	---	---	---
	6/13/94	13.01	87.22	0.32	---	---	---	---	---	---
	10/4/94	15.56	84.41	0	---	---	---	---	---	---
	11/14/94	13.35	86.62	0	8015/8020	1,100,000	64,000	69,000	9,200	61,000
	5/15/95	10.18	89.79	0	8015/8020	<50	<0.50	<0.50	<0.50	<0.50
MW-6 101.43	2/5/88	---	---	0	8240	53,000	5,100	4,400	2,100	14,000
	6/15/88	13.51	87.92	0	8240	33,000	9,200	5,500	520	20,000
	9/27/88 ¹	14.56	86.87	0	8240	17,000	2,200	2,800	1,700	5,100
	1/5/89	13.48	87.95	0	8240	37,000	5,000	3,400	2,200	10,000
	4/6/89	12.60	88.83	0	---	---	---	---	---	---
	6/28/89	14.58	86.85	0	8240	80,000	7,000	4,100	2,000	9,700
	10/3/89	13.03	88.40	0	8240	110,000	8,500	5,100	2,600	14,000
	1/4/90	15.08	86.35	0	8240	59,000	5,200	2,600	2,000	11,000
	4/3/90	14.06	87.37	0	8240	31,000	6,600	2,600	2,200	12,000
	7/3/90	14.28	87.15	0	8240	66,000	5,800	2,900	2,000	9,800
	11/6/90	16.10	85.33	0	---	---	---	---	---	---
	1/4/91	15.52	85.91	---	8240	50,000	5,600	2,200	1,800	9,400
	4/3/91	11.03	90.40	0	---	---	---	---	---	---
	7/2/91	14.44	86.99	0	8240	81,000	11,000	2,700	2,100	13,000
	10/2/91	16.22	85.21	0	---	---	---	---	---	---
	1/2/92	15.71	85.72	0	8240	67,000	7,500	1,900	1,800	9,500
	4/7/92	13.47	87.96	0	---	---	---	---	---	---
	8/13/92	15.97	85.46	0	---	---	---	---	---	---
	12/3/92	16.62	<84.81	---	---	---	---	---	---	---
	3/25/93	10.58	90.85	0	8240	110,000	12,000	2,900	4,200	14,000
	6/23/93	13.01	88.42	0	---	---	---	---	---	---
	9/21/93	14.74	86.69	0	8240	62,000	12,000	1,400	2,100	12,000
	12/2/93	14.87	86.56	0	---	---	---	---	---	---



Table 1. Water Level Data and Groundwater Analytic Results - Chevron Service Station #9-0260, 21995 Foothill Boulevard, Hayward, California (continued)

Well ID/ TOC (ft)	Date	DTW (ft)	GWE (msl)	Product Thickness* (ft)---	Analytic Method	TPPH(G)	B	T	E	X
						-----ppb----->				
MW-6 (cont)	3/8/94	12.04	89.39	0	8240	61,000	7,000	1,500	1,500	7,400
	6/13/94	13.37	88.06	0	---	---	---	---	---	---
	10/4/94	15.56	85.87	0	8015/8020	78,000	13,000	940	1,900	10,000
	11/14/94	13.53	87.90	0	---	---	---	---	---	---
	5/15/95	10.53	90.90	0	---	---	---	---	---	---
MW-7 100.91	2/5/88	---	---	---	8240	81,000	34,000	36,000	2,400	16,000
	6/15/88	12.57	88.34	---	8240	77,000	40,000	41,000	1,400	24,000
	9/27/88 ^{1,7}	13.60	87.31	---	8240	30,000	9,700	8,900	400	4,100
	1/5/89	12.98	87.93	---	8240	96,000	36,000	38,000	2,800	16,000
	4/6/89	12.34	88.57	---	---	---	---	---	---	---
	6/28/89	14.08	86.83	---	8240	110,000	31,000	30,000	2,600	16,000
	10/3/89	14.53	86.38	---	8240	230,000	34,000	34,000	2,400	15,000
	1/4/90	14.49	86.42	---	8240	150,000	41,000	40,000	2,400	15,000
	4/3/90	13.66	87.25	---	8240	100,000	31,000	28,000	2,100	16,000
	7/3/90	13.86	87.05	---	8240	190,000	30,000	27,000	1,800	13,000
	11/6/90	15.58	85.33	---	8240	160,000	27,000	25,000	1,900	15,000
	1/4/91	15.25	85.66	---	---	---	---	---	---	---
	4/3/91	11.41	89.50	---	8240	240,000	40,000	36,000	2,400	18,000
	7/2/91	14.18	86.73	---	---	---	---	---	---	---
	10/2/91	15.78	85.13	---	8240	220,000	26,000	27,000	2,500	18,000
	1/2/92	15.45	85.46	---	---	---	---	---	---	---
	4/7/92	13.48	87.43	---	8240	260,000	27,000	26,000	2,400	15,000
	8/13/92	15.89	85.02	---	---	---	---	---	---	---
	12/3/92	16.43	84.48	---	8240	330,000	29,000	31,000	3,300	18,000
	3/25/93	11.10	89.81	---	---	---	---	---	---	---
	6/23/93	13.63	88.13	1.06	---	---	---	---	---	---
	9/21/93	14.88	86.57	0.67	---	---	---	---	---	---
	12/2/93	14.74	86.32	0.19	---	---	---	---	---	---
	3/8/94	12.37	88.54	0	---	---	---	---	---	---
	6/13/94	13.12	88.03	0.30	---	---	---	---	---	---
	10/4/94 ¹⁰	---	---	---	---	---	---	---	---	---
	11/14/94	13.83	87.22 ¹²	0.18	---	---	---	---	---	---
	5/15/95	11.07	89.85	0.01	8015/8020	<50	<0.50	<0.50	<0.50	<0.50
MW-8 99.67	10/27/88	---	---	---	8240	190,000	27,000	43,000	2,200	15,000
	1/5/89	12.02	87.65	---	8240	87,000	24,000	39,000	3,000	15,000
	4/6/89	11.78	87.89	---	---	---	---	---	---	---



Table 1. Water Level Data and Groundwater Analytic Results - Chevron Service Station #9-0260, 21995 Foothill Boulevard, Hayward, California (continued)

Well ID/ TOC (ft)	Date	DTW (ft)	GWE (msl)	Product Thickness* (ft)—	Analytic Method	TPPH(G)	B	T	E	X
						←-----ppb----->				
MW-8/ (cont)	6/28/89	13.40	86.27	—	8240	120,000	22,000	35,000	2,900	16,000
	10/3/89	13.84	85.92	0.11	—	—	—	—	—	—
	1/4/90	13.99	85.76	0.10	—	—	—	—	—	—
	4/3/90	13.07	86.84	0.30	—	—	—	—	—	—
	7/3/90	13.11	86.59	0.04	—	—	—	—	—	—
	11/6/90	14.77	85.02	0.15	—	—	—	—	—	—
	1/4/91	14.59	85.22	0.18	—	—	—	—	—	—
	4/3/91	11.53	88.18	0.05	—	—	—	—	—	—
	7/2/91	13.71	86.34	0.48	—	—	—	—	—	—
	10/2/91	14.84	85.05	0.27	—	—	—	—	—	—
	1/2/92	15.05	84.86	0.30	—	—	—	—	—	—
	4/7/92	12.17	87.73	0.29	—	—	—	—	—	—
	8/13/92	14.96	84.96	0.31	—	—	—	—	—	—
	12/3/92	15.85	84.44	0.78	—	—	—	—	—	—
	3/25/93	10.78	88.89	—	—	—	—	—	—	—
	6/23/93	12.27	87.60	0.25	—	—	—	—	—	—
	9/21/93	13.68	86.25	0.32	—	—	—	—	—	—
	12/2/93	14.00	85.86	0.24	—	—	—	—	—	—
	3/8/94	11.84	87.83	0	—	—	—	—	—	—
	6/13/94	12.11	87.58	0.03	—	—	—	—	—	—
	10/4/94	14.20	85.47	0	—	—	—	—	—	—
	11/14/94	14.06	85.61	0	8015/8020	140,000	12,000	36,000	2,400	17,000
	5/15/95	9.95	89.72	0	8015/8020	<50	<0.50	<0.50	<0.50	<0.50
MW-9	10/27/88	—	—	—	8240	50,000	2,000	9,900	2,000	14,000
101.15	1/5/89	12.63	88.52	0	8240	55,000	670	8,900	3,400	16,000
	4/6/89	12.46	88.69	0	—	—	—	—	—	—
	6/28/89	14.04	87.11	0	8240	100,000	510	4,500	2,600	13,000
	10/3/89	14.61	86.54	0	8240	130,000	540	8,000	3,200	17,000
	1/4/90	14.59	86.56	0	8240	83,000	600	4,600	2,600	14,000
	4/3/90	13.75	87.40	0	8240	52,000	1,600	5,400	3,100	16,000
	7/3/90	13.84	87.31	0	8240	100,000	520	5,400	3,200	16,000
	11/6/90	15.42	85.73	0	—	—	—	—	—	—
	1/4/91	15.37	85.78	0	8240	59,000	1,100	5,600	2,500	13,000
	4/3/91	12.27	88.88	0	—	—	—	—	—	—
	7/2/91	14.17	86.98	0	8240	130,000	1,900	7,600	3,600	20,000
	10/2/91	15.68	85.47	0	—	—	—	—	—	—
	1/2/92	15.65	85.50	0	8240	100,000	3,300	8,200	2,800	14,000



Table 1. Water Level Data and Groundwater Analytic Results - Chevron Service Station #9-0260, 21995 Foothill Boulevard, Hayward, California (continued)

Well ID/ TOC (ft)	Date	DTW (ft)	GWE (msl)	Product Thickness* (ft)---	Analytic Method	TPPH(G) ←----- ppb	B	T	E	X
MW-10/ (cont)	5/15/95	8.98	93.38	0	8015/8020	<50	<0.50	<0.50	<0.50	<0.50
MW-11	6/28/89	14.33	85.64	0	8240	60,000	36,000	13,000	2,500	12,000
	10/3/89	14.61	85.36	0	8240	14,000	4,200	1,400	240	1,300
99.97	1/4/90	14.55	85.42	0	8240	82,000	33,000	11,000	2,000	10,000
	4/3/90	13.82	86.15	0	8240	78,000	35,000	12,000	2,300	12,000
	7/3/90	14.00	85.97	0	8240	140,000	32,000	12,000	2,100	10,000
	11/6/90	15.56	84.41	0	---	---	---	---	---	---
	1/4/91	14.88	---	0.30	---	---	---	---	---	---
	4/3/91	10.75	---	0.21	8240	340,000	29,000	14,000	3,700	24,000
	7/2/91	13.97	---	0.02	8240	130,000	27,000	14,000	2,200	12,000
	10/2/91	15.60	---	---	---	---	---	---	---	---
	1/2/92	14.51	85.46	0	8240	77,000	18,000	14,000	1,900	10,000
	4/7/92	13.13	86.84	0	---	---	---	---	---	---
	8/13/92	17.04	82.53	---	---	---	---	---	---	---
99.57	12/3/92	15.59	83.98	---	---	---	---	---	---	---
	3/25/93	10.06	89.51	---	8240	110,000	13,000	2,100	5,900	9,800
	3/8/94	11.70	87.87	0	---	---	---	---	---	---
	6/13/94	12.16	87.41	0	---	---	---	---	---	---
	10/4/94 ¹⁰	---	---	---	---	---	---	---	---	---
	11/14/94 ¹⁰	---	---	---	---	---	---	---	---	---
	5/15/95	10.02	89.55	---	---	---	---	---	---	---
MW-12	6/28/89	14.10	85.54	0	8240	55,000	30,000	21,000	2,900	19,000
	10/3/89	14.30	85.34	0	8240	170,000	30,000	23,000	2,700	15,000
99.64	1/4/90	14.35	85.29	0	8240	110,000	24,000	19,000	2,300	12,000
	4/3/90	13.59	86.05	0	8240	89,000	41,000	28,000	3,300	17,000
	7/3/90	13.77	85.87	0	8240	170,000	27,000	20,000	2,200	12,000
	11/6/90	15.19	84.45	0.06	8240	110,000	28,000	21,000	2,400	14,000
	1/4/91	14.52	---	---	---	---	---	---	---	---
	4/3/91	10.91	---	---	---	---	---	---	---	---
	4/9/91	---	---	0	8240	170,000	39,000	17,000	2,400	14,000
	7/2/91	13.51	---	0	---	---	---	---	---	---
	10/2/91	14.93	---	---	8240	170,000	27,000	15,000	2,600	17,000
	1/2/92	14.45	85.19	0	---	---	---	---	---	---
	4/7/92	13.05	86.59	0	---	---	---	---	---	---
99.22	8/13/92	17.39	81.83	0	---	---	---	---	---	---



Table 1. Water Level Data and Groundwater Analytic Results - Chevron Service Station #9-0260, 21995 Foothill Boulevard, Hayward, California (continued)

Well ID/ TOC (ft)	Date	DTW (ft)	GWE (msl)	Product Thickness* (ft)---	Analytic Method	TPPH(G) ←-----	B	T ppb	E	X ----->
MW-12/ (cont)	12/3/92	15.34	83.88	0	8240	2,400,000	19,000	21,000	14,000	110,000
	3/25/93	10.37	88.85	0	---	---	---	---	---	---
	6/23/93	12.21	87.01	0	8240	110,000	30,000	19,000	2,000	12,000
	3/8/94	11.95	87.27	0	---	---	---	---	---	---
	6/13/94	12.35	86.87	0	8240	62,000	6,600	6,900	2,400	9,900
	10/4/94 ¹⁰	---	---	---	---	---	---	---	---	---
	11/14/94 ¹⁰	---	---	---	---	---	---	---	---	---
	5/15/95	10.06	89.16	0	8015/8020	<50	<0.50	<0.50	<0.50	<0.50
MW-13 98.47	6/28/89	13.22	85.25	0	8240	54,000	12,000	10,000	1,900	15,000
	10/3/89	13.54	84.93	0	8240	120,000	10,000	10,000	2,300	15,000
	1/4/90	13.64	84.83	0	8240	87,000	6,800	10,000	2,000	12,000
	4/3/90	12.95	85.52	0	8240	53,000	12,000	14,000	2,900	17,000
	7/3/90	13.05	85.42	0	8240	90,000	8,400	11,000	2,000	11,000
	11/6/90	14.12	84.35	---	---	---	---	---	---	---
	1/4/91	14.05	84.42	0	8240	72,000	5,500	12,000	2,300	12,000
	4/3/91	11.41	87.06	---	---	---	---	---	---	---
	7/2/91	13.17	85.30	0	8240	120,000	12,000	13,000	2,500	14,000
	10/2/91	14.24	84.23	---	---	---	---	---	---	---
	1/2/92	14.13	84.34	0.03	---	---	---	---	---	---
	4/7/92	13.06	85.41	---	---	---	---	---	---	---
	8/13/92	14.26	84.21	0	8240	84,000	7,400	11,000	2,600	13,000
	12/3/92	14.82	83.65	---	---	---	---	---	---	---
	3/25/93	10.73	87.74	0	8240	97,000	5,200	2,500	7,200	12,000
	6/23/93	11.97	86.50	0	---	---	---	---	---	---
	9/21/93	13.08	85.39	0	8240	80,000	7,600	9,000	2,900	14,000
	12/2/93	13.45	85.02	0	---	---	---	---	---	---
	3/8/94	11.75	86.72	0	8240	78,000	5,300	7,600	2,600	10,000
	6/13/94	12.30	86.17	0	---	---	---	---	---	---
	10/4/94	14.18	84.29	0	8015/8020	39,000	2,300	2,700	850	4,600
	11/14/94	12.62	85.85	0	---	---	---	---	---	---
	5/15/95	9.93	88.54	---	---	---	---	---	---	---
MW-14 99.68	8/29/90	21.39	78.29	0	8240*	970	4	2	0.7	2
	11/6/90	21.62	78.06	0	8240	920	10	10	4	9
	1/4/91	21.69	77.99	0	8240	1,000	<0.5	4.0	2.6	4.2
	4/3/91	19.53	80.15	0	8240	1,200	380	6	7	18
	7/2/91	20.93	78.75	0	8240	460	27	1.0	1.2	1.0



Table 1. Water Level Data and Groundwater Analytic Results - Chevron Service Station #9-0260, 21995 Foothill Boulevard, Hayward, California (continued)

Well ID/ TOC (ft)	Date	DTW (ft)	GWE (msl)	Product Thickness* (ft)—	Analytic Method	TPPH(G) ←—————→	B	T ppb	E	X
MW-14/ (cont)	10/2/91	21.52	78.16	0	8240	480	6.7	0.8	1.4	1.8
	1/2/92	21.43	78.25	0	8240	1,100	2.4	1.5	6.2	18
	4/7/92	21.36	78.32	0	8240	290	<0.5	1.4	<0.5	1.2
	8/13/92	21.07	78.61	0	8240	370	10	1.2	<0.5	0.9
	12/3/92	21.67	78.01	0	8240	230	1.3	<0.5	<0.5	<0.5
	3/25/93	19.03	80.65	0	8240	390	57	2.1	1.3	1.7
	6/23/93	19.94	79.74	0	8240	4,400	460	220	16	62
	9/21/93	20.65	79.03	0	8240	680	8.7	1.7	3.2	12
	12/2/93	21.05	78.63	0	8240	900	0.8	7	3	7
	3/8/94	20.05	79.63	0	8240	1,700	2.4	7.7	5.6	14
	6/13/94	20.21	79.47	0	8240	750	0.8	8.0	3.2	5.7
	10/4/94	20.70	78.98	0	8015/8020	130	3.4	5.4	<0.5	2.0
	11/14/94	20.00	79.68	0	8015/8020	9,900	620	1,600	120	920
	5/15/95	18.49	81.19	0	8015/8020	<50	<0.50	<0.50	<0.50	<0.50
MW-15	8/29/90	16.58	79.48	0	8240 ⁹	2,000	26	2	72	110
	11/6/90	17.43	78.63	0	8240	1,300	40	5	45	63
96.06	1/4/91	16.37	79.69	0	8240	1,700	46	2.8	58	86
	4/3/91	12.46	83.60	0	8240	2,100	74	0.8	44	85
	7/2/91	16.53	79.53	0	8240	1,700	39	<0.5	35	46
	10/2/91	17.33	78.73	0	8240	1,100	50	<0.5	40	33
	1/2/92	16.46	79.60	0	8240	1,300	51	<0.5	30	30
	4/7/92	14.70	81.36	0	8240	2,600	98	<5	64	36
	8/13/92	16.72	79.34	0	8240	510	55	<0.5	35	2.8
	12/3/92	17.43	78.63	0	8240	1,000	64	0.9	22	4.4
	3/25/93	13.33	82.73	0	8240	1,300	86	52	0.7	7.7
	6/23/93	15.23	80.83	0	8240	7,300	34	<0.5	85	160
	9/21/93	16.32	79.74	0	8240	1,500	39	<0.5	32	33
	12/2/93	16.57	79.49	0	8240	990	28	4	8	10
	3/8/94	14.61	81.45	0	8240	3,400	44	4.0	28	53
	10/4/94	16.48	79.58	0	8015/8020	310	11	10	2.2	12
	11/14/94	14.20	81.86	0	8015/8020	450	27	2.4	2.2	4.2
	5/15/95	13.38	82.68	0	8015/8020	<50	<0.50	<0.50	<0.50	<0.50
MW-16	8/29/90	20.89	77.26	0	8240 ⁹	11,000	6,000	51	1,100	20
	11/6/90	21.27	76.88	0	8240	15,000	6,300	340	1,300	540
98.15	1/4/91	21.63	76.52	0	8240	16,000	6,800	820	1,300	1,500
	4/3/91	19.32	78.83	0	8240	45,000	7,300	2,200	1,800	4,900



Table 1. Water Level Data and Groundwater Analytic Results - Chevron Service Station #9-0260, 21995 Foothill Boulevard, Hayward, California (continued)

Well ID/ TOC (ft)	Date	DTW (ft)	GWE (msl)	Product Thickness* (ft)	Analytic Method	TPPH(G) ←-----ppb----->	B	T	E	X
MW-16/ (cont)	7/2/91	20.68	77.47	0	8240	30,000	6,400	530	1,500	1,800
	10/2/91	21.18	76.97	0	8240	24,000	4,600	450	1,400	1,600
	1/2/92	21.30	76.85	0	8240	20,000	4,700	240	1,200	1,100
	4/7/92	20.19	77.96	0	8240	40,000	5,000	980	1,100	2,100
	8/13/92	20.77	77.38	0	8240	17,000	4,500	240	860	530
	12/3/92	21.44	76.71	0	8240	39,000	4,600	410	1,100	2,200
	3/25/93	18.83	79.32	0	8240	39,000	5,500	1,400	690	2,000
	6/23/93	19.72	78.43	0	8240	29,000	6,600	1,200	1,400	3,700
	9/21/93	20.38	77.77	0	8240	36,000	6,300	340	1,200	1,800
	12/2/93	20.84	77.31	0	8240	28,000	5,600	230	900	820
	3/8/94	20.27	77.88	0	8240	35,000	6,500	760	1,000	1,300
	10/4/94	20.58	77.57	0	8015/8020	39,000	9,700	680	1,300	3,300
	11/14/94	20.12	78.03	0	8015/8020	26,000	5,500	640	690	1,800
	5/15/95	18.16	79.99	0	8015/8020	<50	<0.50	<0.50	<0.50	<0.50
MW-17	8/13/92	23.30	82.70	0	8240	<50	<0.5	<0.5	<0.5	<0.5
	12/3/92	24.74	81.26	0	8240	<50	<0.5	<0.5	<0.5	<0.5
106.00	3/25/93	22.14	83.86	0	8240	<50	<0.5	<0.5	<0.5	<1.5
	6/23/93	23.02	82.98	0	8240	<50	<0.5	<0.5	<0.5	1
	9/21/93	23.09	82.91	0	8240	<50	<0.5	<0.5	<0.5	<0.8
	12/2/93	23.37	82.63	0	—	—	—	—	—	—
	3/8/94	22.83	83.17	0	8240	<50	<0.5	<0.5	<0.5	<0.5
	6/13/94	22.62	83.38	0	8240	<50	1.2	1.1	<0.5	0.9
	10/4/94	23.00	83.00	0	8015/8020	62	8.0	2.9	0.7	3.1
	11/14/94	23.03	82.97	0	8015/8020	550	22	120	8.9	84
	5/15/95	21.72	84.28	0	8015/8020	<50	<0.50	<0.50	<0.50	<0.50
P-1	8/13/92	10.02	76.41	0	—	—	—	—	—	—
	12/3/92	10.80	75.63	0	—	—	—	—	—	—
86.43	3/25/93	8.95	77.48	0	—	—	—	—	—	—
Rinseate	1/5/89	—	—	—	8240	<1,000	<0.3	<0.3	<0.3	<0.3
	3/8/94	—	—	—	8240	<50	1	1.4	<0.5	1.5
TBLB	1/5/89	—	—	—	8240	<1,000	<0.3	<0.3	<0.3	<0.3
	10/3/89	—	—	—	8240	<500	<0.5	<0.5	<0.5	<0.5
	1/4/90	—	—	—	8240	<50	<0.5	<0.5	<0.5	<0.5
	4/3/90	—	—	—	8240	<50	<0.5	<0.5	<0.5	<0.5



Table 1. Water Level Data and Groundwater Analytic Results - Chevron Service Station #9-0260, 21995 Foothill Boulevard, Hayward, California (continued)

Well ID/ TOC (ft)	Date	DTW (ft)	GWE (msl)	Product Thickness* (ft)	Analytic Method	TPPH(G)	B	T	E	X
						←—————ppb—————→				
TBLB/ (cont)	7/3/90	---	---	---	8240	<50	<0.5	<0.5	<0.5	<0.5
	11/6/90	---	---	---	8240	<50	<0.5	<0.5	<0.5	<0.5
	1/4/91	---	---	---	8240	<50	<0.5	<0.5	<0.5	<0.5
	4/3/91	---	---	---	8240	<50	<0.5	<0.5	<0.5	<0.5
	7/2/91	---	---	---	8240	<50	<0.5	<0.5	<0.5	<0.5
	10/2/91	---	---	---	8240	<50	<0.5	<0.5	<0.5	<0.5
	1/2/92	---	---	---	8240	<50	<0.5	<0.5	<0.5	<0.5
	4/7/92	---	---	---	8240	<50	<0.5	<0.5	<0.5	<0.5
	8/13/92	---	---	---	8240	<50	<0.5	<0.5	<0.5	<0.5
	12/3/92	---	---	---	8240	<50	<0.5	<0.5	<0.5	<0.5
	3/25/93	---	---	---	8240	<50	<0.5	<0.5	<0.5	<1.5
	6/23/93	---	---	---	8240	<50	<0.5	<0.5	<0.5	<0.5
	9/21/93	---	---	---	8240	<50	<0.5	<0.5	<0.5	<0.8
	12/2/93	---	---	---	8240	<50	<0.5	<0.5	<0.5	<0.5
	3/8/94	---	---	---	8240	<50	0.6	0.8	<0.5	0.6
	6/13/94	---	---	---	8240	<50	<0.5	<0.5	<0.5	<0.5
	10/4/94	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	<0.5
	11/14/94	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	<0.5
	5/15/95	---	---	---	8015/8020	<50	<0.50	<0.50	<0.50	<0.50



Table 1. Water Level Data and Groundwater Analytic Results - Chevron Service Station #9-0260, 21995 Foothill Boulevard, Hayward, California

EXPLANATION:

TOC =
DTW = Depth to water
GWE = Groundwater elevation in feet above mean sea level
TPPH(G) = Total Purgeable Petroleum Hydrocarbons as Gasoline
B = Benzene
T = Toluene
E = Ethylbenzene
X = Xylenes
DCE = 1,2 - Dichloroethane
EDB = Ethylene dibromide
VOCs = Volatile organic compounds
ppb = Parts per billion
--- = Not analyzed/Not applicable

ANALYTIC METHODS:

8240 = EPA Method 524.2/8240 for total fuel and aromatic volatile hydrocarbons.
8015 = EPA Method 8015/5030 for TPPH(G).
8020 = EPA Method 8020 for BTEX.

NOTES:

Water level elevation data and laboratory analytic results prior to May 15, 1995 were compiled from Quarterly Monitoring Reports prepared for Chevron by Sierra Environmental Services.

- ¹ Samples analyzed by Fuel Fingerprint Analysis.
- ² EDB not detected at detection limits of 5,000 ppb.
- ³ Sample was analyzed a second time after the holding time expired to confirm the high TPH-G concentration reported in the original analysis.
- ⁴ DCE and EDB detected at 270 and 230 ppb, respectively.
- ⁵ DCE and EDB detected at 410 and 420 ppb, respectively.
- ⁶ Estimated thickness.
- ⁷ DCE detected at 2,600 ppb. EDB not detected at detection limits of 10 ppb.
- ⁸ DCE was detected at 1 ppb. Other VOCs not detected at detection limits of 0.5 to 4.0 pb.
- ⁹ Chloroform detected, concentration not stated. Other VOCs not detected at detection limits of 25 to 500 ppb.
- ¹⁰ Well not accessible due to down hole equipment.
- ¹¹ Well sampled semi-annually.
- ¹² GWE corrected for the presence of free-phase hydrocarbons using the formula $GWE = [(TOC - DTW) + (0.8)(Product\ Thickness)]$. 0.8 is the assumed specific gravity of free-phase hydrocarbons.



STANDARD OPERATING PROCEDURE QUARTERLY GROUNDWATER SAMPLING

Gettler-Ryan field personnel adhere to the following procedures for the collection and handling of groundwater samples prior to analysis by the analytical laboratory. Prior to sample collection, the type of analysis to be performed is determined. Loss prevention of volatile compounds is controlled and sample preservation for subsequent analysis is maintained.

Prior to sampling, the presence or absence of free-phase hydrocarbons is determined using a MMC flexi-dip interface probe. Product thickness, if present, is measured to the nearest 0.01 foot and is noted in the field notes. In addition, static water level measurements are collected with the interface probe and are also recorded in the field notes.

After water levels are collected and prior to sampling, each well is purged a minimum of three well casing volumes of water using pre-cleaned pumps (stack, suction, Grundfos), or polyvinyl chloride bailers. Temperature, pH and electrical conductivity are measured a minimum of three times during purging. Purging continues until these parameters stabilize.

Groundwater samples are collected using Chevron-designated disposable bailers. The water samples are transferred from the bailer into appropriate containers. Pre-preserved containers, supplied by analytic laboratories, are used when possible. When pre-preserved containers are not available, the laboratory is instructed to preserve the sample as appropriate. Duplicate samples are collected for the laboratory to use in maintaining quality assurance/quality control standards. The samples are labeled to include the job number, sample identification, collection date and time, analysis, preservative (if any), and the sample collector's initials. The water samples are placed in cooler maintained at 4 C for transport to the laboratory. Once collected in the field, all samples are maintained under chain of custody until delivery to the laboratory.

The chain of custody document includes the job number, type of preservation, if any, analysis requested, sample identification, date and time collected and the sample collector's name. The chain of custody is signed and dated (including time of transfer) by each person who receives or surrenders the samples, beginning with the field personnel and ending with the laboratory personnel.

A laboratory-supplied trip blank accompanies each sampling set. For sampling sets greater than 20 samples, 5% trip blanks are included. The trip blank is analyzed for some or all of the same compounds as the groundwater samples.

As requested by Chevron USA Products Company, the purge and decontamination water generated during sampling activities is taken to Chevron's Richmond Refinery for disposal.



WELL SAMPLING FIELD DATA SHEET

SAMPLER F. Cline DATE 5-15-95ADDRESS 21995 Foothill Blvd JOB # 5110.85CITY Hayward CA SS# 9-1260Well ID MW-4 Well Condition okayWell Location Description NW property line $\approx$ 100' Per NW cornerWell Diameter 4" in Hydrocarbon Thickness 0 Lid say TV cableTotal Depth 21.30 ftDepth to Liquid 11.37 ft# of casing 3 9.93 x 0.66 ~~(VF)~~ 6.6 #Estimated 19.6 gal.
VolumePurge Equipment Suction Sampling Equipment Disposable Back-
VolumeDid well dewater NO If yes, Time _____ Volume _____Starting Time 13:08 Purging Flow Rate 3.5 gpm.Sampling Time 13:19

Time	pH	Conductivity	Temperature	Volume
<u>13:10</u>	<u>6.82</u>	<u>777</u>	<u>64.8</u>	<u>7</u>
<u>13:12</u>	<u>6.77</u>	<u>833</u>	<u>64.6</u>	<u>14</u>
<u>13:14</u>	<u>6.80</u>	<u>840</u>	<u>64.8</u>	<u>21</u>
<u>13:19</u>	<u>6.81</u>	<u>842</u>	<u>64.7</u>	<u>22</u>

Weather Conditions Partly cloudyWater Color: grey Odor: MidSediment Description None

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
<u>MW-4</u>	<u>3x40ml VOA</u>	<u>Y</u>	<u>HCL</u>	<u>Superior</u>	<u>Gas BTEX</u>

Comments _____



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WELL SAMPLING FIELD DATA SHEET

SAMPLER F. Cline DATE 5-15-95
ADDRESS 21995 Foothill Blvd JOB # 5110.85
CITY Hayward CA SS# 9-1260

Well ID NW-5 Well Condition okay
Well Location Description SW corner ~ 80' North West of property corner

Well Diameter 4" in

Hydrocarbon Thickness C

Total Depth 18.5 ft

Depth to Liquid 10.18 ft

Volume	2" = 0.17	6" = 1.50	12" = 5.80
Factor	3" = 0.38		
(VF)	4" = 0.66		

of casing 3 x 8.32 x 0.66 ~~1.5~~ 5.5 # Estimated 16.5 gal.
Volume

Purge Equipment Suction Sampling Equipment Disposable Back-

Did well dewater NO If yes, Time _____ Volume _____

Starting Time 12:55 Purging Flow Rate 3 gpm.
Sampling Time 13:06

Time	pH	Conductivity	Temperature	Volume
<u>12:57</u>	<u>6.70</u>	<u>1252</u>	<u>65.7</u>	<u>6</u>
<u>12:59</u>	<u>6.90</u>	<u>1164</u>	<u>66.4</u>	<u>12</u>
<u>13:01</u>	<u>7.00</u>	<u>1190</u>	<u>66.5</u>	<u>18</u>
<u>13:06</u>	<u>6.99</u>	<u>1185</u>	<u>66.5</u>	<u>19</u>

Weather Conditions Partly cloudy
Water Color: None Odor: Mild
Sediment Description None

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
<u>NW-5</u>	<u>3x40mL VOA</u>	<u>Y</u>	<u>HCL</u>	<u>Superior</u>	<u>Gas BTEX</u>

Comments _____



WELL SAMPLING FIELD DATA SHEET

SAMPLER F. Cline DATE 5-15-95
 ADDRESS 21995 Foothill Blvd JOB # 5110.85
 CITY Hayward CA SS# 9-1260

Well ID MW-7 Well Condition okay

Well Location Description @ SW End of Southern most Pump Island

Well Diameter 4" in Hydrocarbon Thickness 0.01 to Heavy Film.

Total Depth 18.01 ft

Depth to Liquid 11.07 ft

Volume	2" = 0.17	6" = 1.50	12" = 5.80
Factor	3" = 0.38		
(VF)	4" = 0.66		

of casing 3 6.94 x 0.64 ~~(VF)~~ 4.16 #Estimated 13.8 gal.
 Volume

Purge Equipment Suction Sampling Equipment Disposable Bail

Did well dewater NO If yes, Time _____ Volume _____

Starting Time 13:23 Purging Flow Rate _____ gpm.

Sampling Time _____

Time	pH	Conductivity	Temperature	Volume
<u>13:25</u>	<u>7.45</u>	<u>1060</u>	<u>64.5</u>	<u>5</u>
<u>13:27</u>	<u>7.33</u>	<u>950</u>	<u>64.8</u>	<u>10</u>
<u>13:29</u>	<u>7.36</u>	<u>927</u>	<u>64.8</u>	<u>15</u>
<u>13:34</u>	<u>7.35</u>	<u>930</u>	<u>64.8</u>	<u>16</u>

Weather Conditions Cloudy sprinkles.

Water Color: Clear Odor: Strong

Sediment Description None

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
<u>MW-7</u>	<u>3x40mL VOA</u>	<u>Y</u>	<u>HCL</u>	<u>Superior</u>	<u>Gas Boks</u>

Comments _____



WELL SAMPLING FIELD DATA SHEET

SAMPLER F. Cline DATE 5-15-95ADDRESS 21995 Foothill Blvd JOB # 5110.85CITY Hayward CA SS# 9-1260Well ID MW-8 Well Condition okayWell Location Description 2nd Street East Side of Road 28' from curbWell Diameter 4" in Hydrocarbon Thickness 0Total Depth 18.95 ftDepth to Liquid 9.95 ft# of casing 3 x 8.50 x 0.066 ~~in~~ #Estimated 16.8 gal.
VolumePurge Equipment Suction Sampling Equipment Disposable Back-Did well dewater No If yes, Time _____ Volume _____Starting Time 12:39 Purging Flow Rate _____ gpm.Sampling Time 12:50

Time	pH	Conductivity	Temperature	Volume
<u>12:41</u>	<u>6.92</u>	<u>1093</u>	<u>65.9</u>	<u>6</u>
<u>12:43</u>	<u>6.86</u>	<u>1085</u>	<u>66.1</u>	<u>12</u>
<u>12:45</u>	<u>6.90</u>	<u>1089</u>	<u>66.1</u>	<u>18</u>
<u>12:50</u>	<u>6.91</u>	<u>1090</u>	<u>66.1</u>	<u>19</u>

Weather Conditions Partly CloudyWater Color: None Odor: Mild GasSediment Description None

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
<u>MW-8</u>	<u>3x40mVCA</u>	<u>Y</u>	<u>HCL</u>	<u>Superior</u>	<u>Gas BTEX</u>

Comments _____



WELL SAMPLING FIELD DATA SHEET

SAMPLER F. Cline DATE 5-15-95
ADDRESS 21995 Foothill Blvd JOB # 5110.85
CITY Hayward CA SS# 9-1260

Well ID MW-10 Well Condition clay
Well Location Description 2nd corner Median of Foothill

Well Diameter 4" in Hydrocarbon Thickness 0
Total Depth 27.50 ft
Depth to Liquid 8.98 ft
of casing 3 x 18.52 x 0.66 ~~12.2~~ #Estimated 37 gal.
Volume

Purge Equipment Suction Sampling Equipment Disposable Bail
Did well dewater No If yes, Time _____ Volume _____

Starting Time 12:05 Purging Flow Rate 4.3 gpm.
Sampling Time _____

Time	pH	Conductivity	Temperature	Volume
<u>12:08</u>	<u>7.88</u>	<u>1062</u>	<u>68.0</u>	<u>13</u>
<u>12:10</u>	<u>7.85</u>	<u>1054</u>	<u>68.0</u>	<u>26</u>
<u>12:14</u>	<u>7.90</u>	<u>1056</u>	<u>68.0</u>	<u>39</u>
<u>12:19</u>	<u>7.88</u>	<u>1055</u>	<u>67.8</u>	<u>40</u>

Weather Conditions Partly Cloudy
Water Color: None Odor: None
Sediment Description None

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
<u>MW-10</u>	<u>3x40ml VOA</u>	<u>Y</u>	<u>HCC</u>	<u>Superior</u>	<u>Gas BTEX</u>

Comments _____



WELL SAMPLING FIELD DATA SHEET

SAMPLER F. Cline DATE 5-15-95
 ADDRESS 21995 Foothill Blvd JOB # 5110.85
 CITY Hayward CA SS# 9-1260

Well ID MW-12 Well Condition okay
 Well Location Description Netto Enclosure Large 18x36" Box

Well Diameter 4" in Hydrocarbon Thickness 0
 Total Depth 19.00 ft
 Depth to Liquid 10.06 ft
 # of casing 3 x 4.94 Volume 0.66 ~~1.11~~ 5.9 #Estimated 17.7 gal.
 Purge Equipment Suction Sampling Equipment Disposable Bail

Did well dewater No If yes, Time _____ Volume _____

Starting Time 12:23 Purging Flow Rate 3 gpm.
 Sampling Time 12:39

Time	pH	Conductivity	Temperature	Volume
<u>12:25</u>	<u>7.20</u>	<u>859</u>	<u>66.1</u>	<u>6</u>
<u>12:27</u>	<u>7.23</u>	<u>857</u>	<u>66.0</u>	<u>12</u>
<u>12:29</u>	<u>7.18</u>	<u>855</u>	<u>66.0</u>	<u>18</u>
<u>12:39</u>	<u>7.20</u>	<u>856</u>	<u>65.9</u>	<u>19</u>

Weather Conditions Partly cloudy
 Water Color: grey green Odor: Mild gas
 Sediment Description None

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
<u>MW-12</u>	<u>3x40ml VOA</u>	<u>Y</u>	<u>HCL</u>	<u>Superior</u>	<u>Gas BTEX</u>

Comments _____



WELL SAMPLING FIELD DATA SHEET

SAMPLER F. Cline DATE 5-15-95
ADDRESS 21995 Foothill Blvd JOB # 5110.85
CITY Hayward CA SS# 9-1260

Well ID MW-14 Well Condition okay
Well Location Description Emco Warehouse South Side Street in Driveway

Well Diameter 2" in

Hydrocarbon Thickness 0

Total Depth 41.00 ft

Depth to Liquid 18.49 ft

Volume	2" = 0.17	6" = 1.50	12" = 5.80
Factor	3" = 0.38		
(VF)	4" = 0.66		

of casing 3 Volume 22.51 x 0.17 ~~DVA~~ 3.8 #Estimated 12 gal.
Purge Volume

Purge Equipment Suction

Sampling Equipment Disposable Bail

Did well dewater No

If yes, Time

Volume

Starting Time 10:54

Purging Flow Rate 2 gpm.

Sampling Time 11:05

Time	pH	Conductivity	Temperature	Volume
<u>10:56</u>	<u>7.55</u>	<u>610</u>	<u>65.7</u>	<u>4</u>
<u>10:58</u>	<u>6.81</u>	<u>1195</u>	<u>65.5</u>	<u>8</u>
<u>11:00</u>	<u>6.86</u>	<u>1200</u>	<u>65.0</u>	<u>12</u>
<u>11:05</u>	<u>6.85</u>	<u>1200</u>	<u>65.1</u>	<u>13</u>

Weather Conditions Partly Cloudy

Water Color: Green

Odor: None

Sediment Description None

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
<u>MW</u>	<u>3x40mVCA</u>	<u>Y</u>	<u>HCL</u>	<u>Superior</u>	<u>As BTEX</u>

Comments

WELL SAMPLING FIELD DATA SHEET

SAMPLER F. Cline DATE 5-15-95ADDRESS 21995 Foothill Blvd JOB # 5110.85CITY Hayward CA SS# 9-1260Well ID MW-15 Well Condition okayWell Location Description in planar Area South side of Road Remco WharvenWell Diameter 2" in Hydrocarbon Thickness 0Total Depth 22.08 ftDepth to Liquid 13.38 ft# of casing 3 8.70 x 0.17 ~~(VF)~~ 1.5 #Estimated 4.5 gal.
VolumePurge Equipment Suction Sampling Equipment Disposable Bail-
VolumeDid well dewater No If yes, Time _____ Volume _____Starting Time 10:20 Purging Flow Rate 1.5 gpm.Sampling Time 10:28

Time	pH	Conductivity	Temperature	Volume
<u>10:21</u>	<u>7.50</u>	<u>1066</u>	<u>65.7</u>	<u>1.5</u>
<u>10:22</u>	<u>7.60</u>	<u>1064</u>	<u>65.7</u>	<u>3.0</u>
<u>10:23</u>	<u>7.55</u>	<u>1065</u>	<u>65.6</u>	<u>4.5</u>
<u>10:28</u>	<u>7.57</u>	<u>1064</u>	<u>65.6</u>	<u>5.0</u>

Weather Conditions Clear SunnyWater Color: Clear Odor: NoneSediment Description None

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
<u>MW-15</u>	<u>3x40mL VOA</u>	<u>Y</u>	<u>HCL</u>	<u>Superior</u>	<u>Gas BTEX</u>

Comments _____



WELL SAMPLING FIELD DATA SHEET

SAMPLER F. Cline DATE 5-15-95ADDRESS 21995 Foothill Blvd JOB # 5110.85CITY Hayward CA SS# 9-1266Well ID MW-16 Well Condition okayWell Location Description West side of street $\pm$ 30' NW of Centerline EmcoWell Diameter 2" in Hydrocarbon Thickness 0Total Depth 37.75 ftDepth to Liquid 18.16 ft# of casing 3 Volume 19.59 x 0.17 ~~3.3~~ #Estimated 9.9 gal.Purge Equipment Suction Sampling Equipment Disposable Back-Did well dewater NO If yes, Time _____ Volume _____Starting Time 10:30 10:35 Purging Flow Rate 1.75 gpm.

Sampling Time _____

Time	pH	Conductivity	Temperature	Volume
10:37	97.30	901	64.5	10 3.5
10:39	7.11	870	64.8	20 7.0
10:41	7.13	868	64.5	30 10.5
10:46	7.15	868	64.6	11.0

Weather Conditions Sunny clearWater Color: Grey Odor: NoneSediment Description Some silt

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
<u>MW-16</u>	<u>3x40mL VOA</u>	<u>Y</u>	<u>HCL</u>	<u>Superior</u>	<u>Gas BTEX</u>

Comments _____



WELL SAMPLING FIELD DATA SHEET

SAMPLER FiCline DATE 5-15-95
ADDRESS 21995 Foothill Blvd JOB # 5110.85
CITY Hayward CA SS#

Well ID MW-17 Well Condition Bmco Wheaton Bop
Well Location Description Corner Corner #1 Main / Sunset ~ 10' from corner (N)
Well Diameter 2" in Hydrocarbon Thickness 0
Total Depth 33.53 ft
Depth to Liquid 21.72 ft
of casing 3 Volume 11.81 x 0.17 ~~(VF)~~ 2.0 #Estimated 6 gal.
Purge Equipment Suction Sampling Equipment Disposable Bailer
Did well dewater No If yes, Time Volume

Starting Time 9:44 Purging Flow Rate 1 gpm gpm.
Sampling Time 9:55

Time	pH	Conductivity	Temperature	Volume
<u>9:46</u>	<u>7.30</u>	<u>760</u>	<u>66.4</u>	<u>2</u>
<u>9:48</u>	<u>7.31</u>	<u>955</u>	<u>66.8</u>	<u>4</u>
<u>9:50</u>	<u>7.34</u>	<u>954</u>	<u>66.7</u>	<u>6</u>
<u>9:55</u>	<u>7.33</u>	<u>958</u>	<u>66.8</u>	<u>7</u>

Weather Conditions Clear Sunny
Water Color: Reddish Brown Odor: None
Sediment Description Light Silt

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
<u>MW-17</u>	<u>3x40mL VOA</u>	<u>Y</u>	<u>HCL</u>	<u>Superior</u>	<u>Gas BTEX</u>

Comments

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

Chevron Contact (Name) Mark Miller
(Phone) 847-8134
Laboratory Name Superior
Laboratory Release Number 2719150
Samples Collected by (Name) Frank Cline
Collection Date 5-15-95
Signature Mark

Relinquished By (Signature) <i>[Signature]</i>	Organization <i>CPD</i>	Date/Time <i>5-16-95</i>	Received By (Signature) <i>[Signature]</i>	Organization <i>CPD</i>	Date/Time <i>5/16/95</i> <i>X 1210</i>	Turn Around Time (Circle Choice) 24 Hrs. 48 Hrs. 5 Days 10 Days <u>As Contracted</u> <i>5/16/95</i> <i>[Signature]</i>
Relinquished By (Signature) <i>[Signature]</i>	Organization <i>CPD</i>	Date/Time <i>5-16-95</i> <i>1442</i>	Received By (Signature) <i>[Signature]</i>	Organization	Date/Time	
Relinquished By (Signature) <i>[Signature]</i>	Organization	Date/Time	Received For Laboratory By (Signature) <i>[Signature]</i>		Date/Time <i>5/16/95 830</i>	



Sequoia
Analytical

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Gettler-Ryan
6747 Sierra Ct., Ste. J
Dublin, CA 94568
Attention: Argy Leyton

Client Project ID: Chevron #9-0260
Sample Matrix: Water
Analysis Method: EPA 5030/8015/8020
First Sample #: 505-1520

Sampled: May 15, 1995
Received: May 22, 1995
Reported: May 30, 1995

TOTAL PURGEABLE PETROLEUM HYDROCARBONS with BTEX DISTINCTION

Analyte	Reporting Limit µg/L	Sample I.D. 505-1520 TB-LB	Sample I.D. 505-1521 MW-10	Sample I.D. 505-1522 MW-17	Sample I.D. 505-1523 MW-15	Sample I.D. 505-1524 MW-14	Sample I.D. 505-1525 MW-16
Purgeable Hydrocarbons	50	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Benzene	0.50	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Toluene	0.50	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Ethyl Benzene	0.50	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Total Xylenes	0.50	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Chromatogram Pattern:		--	--	--	--	--	--

Quality Control Data

Report Limit Multiplication Factor:	1.0	1.0	1.0	1.0	1.0	1.0
Date Analyzed:	--	--	--	--	--	--
Instrument Identification:	--	--	--	--	--	--
Surrogate Recovery, %: (QC Limits = 70-130%)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.

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

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
Project Manager

5051520.GGG <1>



Sequoia
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Gettler-Ryan
6747 Sierra Ct. Ste.J
Dublin, CA 94568
Attention: Argy Leyton

Client Project ID: Chevron #9-0260
Sample Matrix: Water
Analysis Method: EPA 5030/8015/8020
First Sample #: 505-1520

Sampled: May 15, 1995
Received: May 22, 1995
Reported: May 30, 1995

TOTAL PURGEABLE PETROLEUM HYDROCARBONS with BTEX DISTINCTION

Analyte	Reporting Limit µg/L	Sample I.D. 505-1520 MW-12	Sample I.D. 505-1521 MW-8	Sample I.D. 505-1522 MW-5	Sample I.D. 505-1523 MW-4	Sample I.D. 505-1524 MW-7
Purgeable Hydrocarbons	50	N.D.	N.D.	N.D.	N.D.	N.D.
Benzene	0.50	N.D.	N.D.	N.D.	N.D.	N.D.
Toluene	0.50	N.D.	N.D.	N.D.	N.D.	N.D.
Ethyl Benzene	0.50	N.D.	N.D.	N.D.	N.D.	N.D.
Total Xylenes	0.50	N.D.	N.D.	N.D.	N.D.	N.D.
Chromatogram Pattern:		--	--	--	--	--

Quality Control Data

Report Limit Multiplication Factor:	1.0	1.0	1.0	1.0	1.0
Date Analyzed:	--	--	--	--	--
Instrument Identification:	--	--	--	--	--
Surrogate Recovery, %: (QC Limits = 70-130%)	N.D.	N.D.	N.D.	N.D.	N.D.

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

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
Project Manager

5051520.GGG <2>



Sequoia
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Gettler-Ryan
6747 Sierra Ct. Ste.J
Dublin, CA 94568

Attention: Argy Leyton

Client Project ID: Chevron #9-0260
Matrix: Liquid

QD Sample Group 5051520-30

Reported: Jun 2, 1995

QUALITY CONTROL DATA REPORT

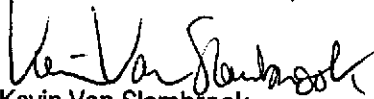
ANALYTE	Benzene	Toluene	Ethyl Benzene	Xylenes
Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Analyst:	JF	JF	JF	JF

MS/MSD Batch#:	5051456	5051456	5051456	5051456
Date Prepared:	5/23/95	5/23/95	5/23/95	5/23/95
Date Analyzed:	5/23/95	5/23/95	5/23/95	5/23/95
Instrument I.D.#:	HP-9	HP-9	HP-9	HP-9
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L
Matrix Spike % Recovery:	95	105	110	115
Matrix Spike Duplicate % Recovery:	95	105	110	115
Relative % Difference:	0.0	0.0	0.0	0.0

LCS Batch#:	4LCS052395	4LCS052395	4LCS052395	4LCS052395
Date Prepared:	5/23/95	5/23/95	5/23/95	5/23/95
Date Analyzed:	5/23/95	5/23/95	5/23/95	5/23/95
Instrument I.D.#:	HP-9	HP-9	HP-9	HP-9
LCS % Recovery:	97	107	111	118

% Recovery Control Limits:	71-133	72-128	72-130	71-120
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SEQUOIA ANALYTICAL, #1271


Kevin Van Slambrook
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.

5051520.GGG <3>



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Gettler-Ryan
6747 Sierra Ct. Ste.J
Dublin, CA 94568
Attention: Argy Leyton

Client Project ID: Chevron #9-0260
Matrix: Liquid

QD Sample Group 5051520-30

Reported: Jun 2, 1995

QUALITY CONTROL DATA REPORT

ANALYTE	Benzene	Toluene	Ethyl Benzene	Xylenes
Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Analyst:	JF	JF	JF	JF

MS/MSD

Batch#: 5051534 5051534 5051534 5051534

Date Prepared: 5/24/95 5/24/95 5/24/95 5/24/95

Date Analyzed: 5/24/95 5/24/95 5/24/95 5/24/95

Instrument I.D.#: HP-4 HP-4 HP-4 HP-4

Conc. Spiked: 20 µg/L 20 µg/L 20 µg/L 60 µg/L

Matrix Spike

% Recovery: 105 110 110 108

Matrix Spike

Duplicate %
Recovery: 105 105 110 108

Relative %

Difference: 0.0 4.7 0.0 0.0

LCS Batch#: 2LCS052495 2LCS052495 2LCS052495 2LCS052495

Date Prepared: 5/24/95 5/24/95 5/24/95 5/24/95

Date Analyzed: 5/24/95 5/24/95 5/24/95 5/24/95

Instrument I.D.#: HP-4 HP-4 HP-4 HP-4

LCS %

Recovery: 95 102 106 108

% Recovery

Control Limits: 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, #1271

Kevin Van Slambrook

Kevin Van Slambrook
Project Manager

5051520.GGG <4>



Sequoia
Analytical

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Gettler-Ryan
6747 Sierra Ct. Ste.J
Dublin, CA 94568
Attention: Argy Leyton

Client Project ID: Chevron #9-0260
Matrix: Liquid

QD Sample Group 5051520-30

Reported: Jun 2, 1995

QUALITY CONTROL DATA REPORT

ANALYTE	Benzene	Toluene	Ethyl Benzene	Xylenes
Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Analyst:	JF	JF	JF	JF

MS/MSD Batch#:	5051547	5051547	5051547	5051547
Date Prepared:	5/24/95	5/24/95	5/24/95	5/24/95
Date Analyzed:	5/24/95	5/24/95	5/24/95	5/24/95
Instrument I.D.#:	HP-9	HP-9	HP-9	HP-9
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L
Matrix Spike % Recovery:	105	105	105	108
Matrix Spike Duplicate % Recovery:	110	110	110	112
Relative % Difference:	4.7	4.7	4.7	3.6

LCS Batch#:	4LCS052495	4LCS052495	4LCS052495	4LCS052495
Date Prepared:	5/24/95	5/24/95	5/24/95	5/24/95
Date Analyzed:	5/24/95	5/24/95	5/24/95	5/24/95
Instrument I.D.#:	HP-9	HP-9	HP-9	HP-9
LCS % Recovery:	104	106	107	113

% Recovery 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, #1271

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