

ALCO
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Chevron

March 3, 1994

Chevron U.S.A. Products Company

2410 Camino Ramon
San Ramon, CA 94583
P.O. Box 5004
San Ramon, CA 94583-0804

Marketing Department

Phone 510 842 9500

Mr. Scott Seery
Alameda County Environmental Health
80 Swan Way, Room 200
Oakland, CA 94621

Re: Former Chevron Service Station No. 9-2960
2416 Grove Way, Castro Valley, CA 94546

Dear Mr. Seery :

All of the monitoring wells with the exception of wells C-1 and C-2 were below the detection limit for petroleum hydrocarbons. **Wells C-1 and C-2 were not sampled because they were not accessible due to gravel.** My consultant was instructed to sample and monitor these wells on the next sampling event.

Please refer to Groundwater Technology, Inc. February 18, 1994 monitoring and sampling report. If you have any questions or comments, please feel free to call me at (510) 842-8752.

Sincerely,

Chevron U.S.A. Products Co.

A handwritten signature in black ink, appearing to read "Kenneth Kan".

Kenneth Kan
Engineer

LKAN/MacFile 9-2960R15

Enclosure

cc: Mr. Rich Hiatt, RWQCB-S.F.Bay Region
2101 Webster Street, Suite 500, Oakland, CA 94612

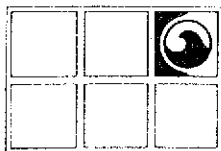
Mr. Bob Yule, First Presbyterian Church
2490 Grove Way, Castro Valley, CA 94546

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

Mr. Tim Watchers, Groundwater Technology, Inc. (w/o enclosure)
4057 Port Chicago Highway, Concord, CA 94520



MAR 3 '94 J.M.M.



GROUNDWATER TECHNOLOGY, INC.

4057 Port Chicago Highway, Concord, CA 94520 (415) 671-2387

FAX: (415) 685-9148

February 18, 1994

Project No. 020104087

Mr. Ken Kan
Chevron U.S.A. Products Company
2410 Camino Ramon
San Ramon, CA 94583-0804

SUBJECT: *Groundwater Monitoring and Sampling Activities*
Chevron Service Station No. 9-2960
2416 Grove Way, Castro Valley, California

94 MAR -7 PM 1:16
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Dear Mr. Kan:

Groundwater Technology, Inc. presents the attached quarterly groundwater monitoring and sampling data collected on January 24, 1994. Five of the seven groundwater monitoring wells at the site were gauged to measure depth to groundwater (DTW) and to check for the presence of separate-phase hydrocarbons. Separate-phase hydrocarbons were not detected in the monitoring wells. **Monitoring well C-1 had a petroleum trap in it and could not be monitored. Monitoring well C-2 was covered with gravel and was not accessible.** A potentiometric surface map (Figure 1) and a summary of groundwater monitoring data (Table 1) are presented in Attachments 1 and 2, respectively. After the DTW was measured, each monitoring well, except monitoring wells C-1 and C-2, was purged and sampled. Field data sheets are presented in Attachment 3. The groundwater samples were analyzed for benzene, toluene, ethylbenzene, and xylenes, and for total petroleum hydrocarbons-as-gasoline. Results of the chemical analyses are summarized in Table 1. The laboratory report and chain-of-custody record are included in Attachment 4. Monitoring-well purge water was transported by Groundwater Technology to the Chevron Terminal in Richmond, California, for recycling.

Groundwater Technology is pleased to assist Chevron on this project. If you have any questions or comments, please contact our Concord office at (510) 671-2387.

Sincerely,
Groundwater Technology, Inc.
Reviewed/Approved by

Tim Watchers
Tim Watchers
Project Manager

PR KJ

Attachment 1 Figure
Attachment 2 Table
Attachment 3 Field Data Sheets
Attachment 4 Laboratory Report

For:
Wendell W. Lattz
Vice President, General Manager
West Region

4087R043.020

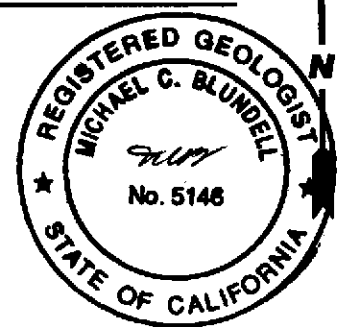
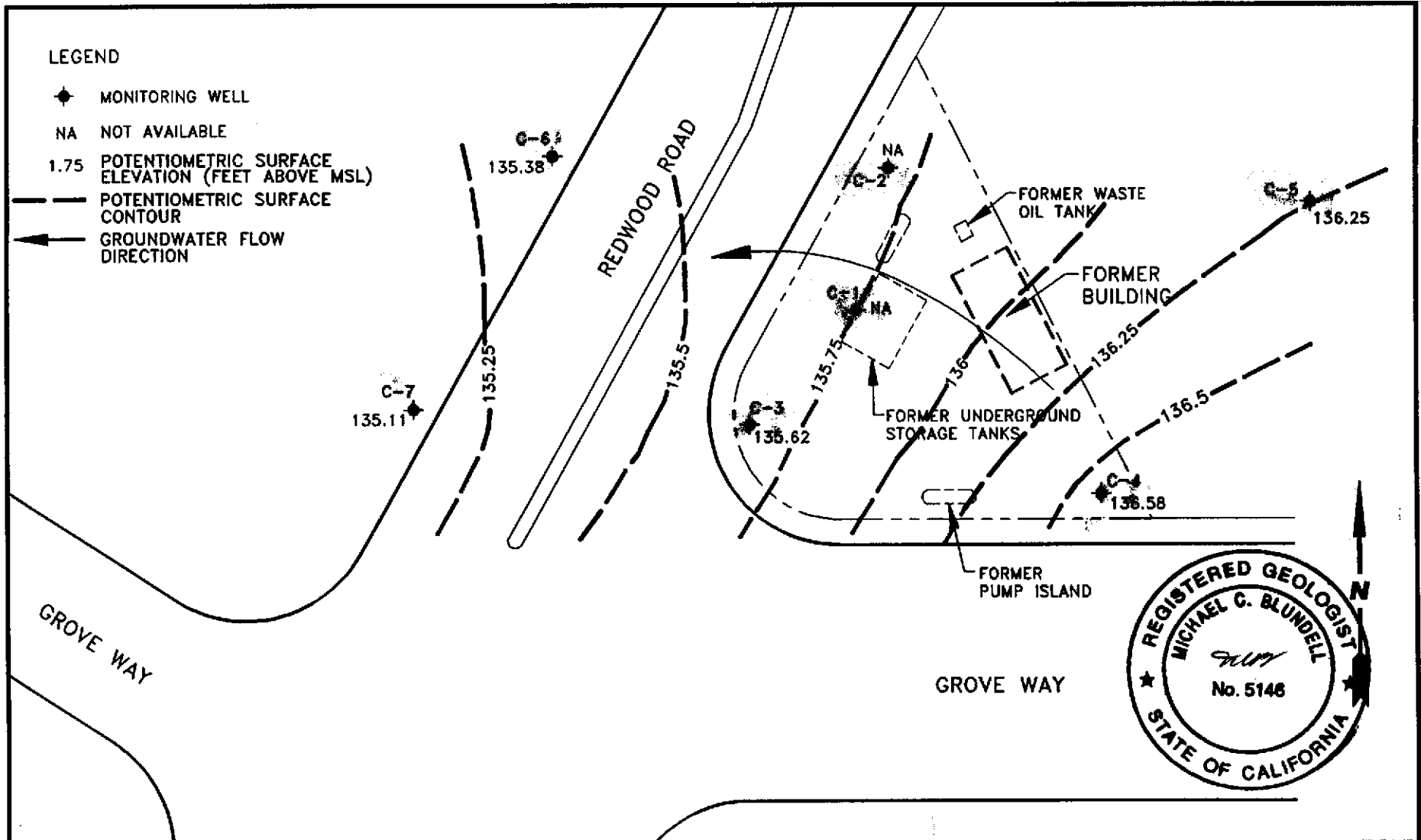
ATTACHMENT 1


Figure

4087R043.020

LEGEND

- ◆ MONITORING WELL
- NA NOT AVAILABLE
- 1.75 POTENTIOMETRIC SURFACE ELEVATION (FEET ABOVE MSL)
- POTENTIOMETRIC SURFACE CONTOUR
- ← GROUNDWATER FLOW DIRECTION



 GROUNDWATER TECHNOLOGY		4057 PORT CHICAGO HWY CONCORD, CA 94520 (510) 671-2387		POTENTIOMETRIC SURFACE MAP (1/24/94)			
CLIENT: CHEVRON U.S.A. PRODUCTS CO. SERVICE STATION No. 8-2960			LOCATION: 2416 GROVE WAY CASTRO VALLEY, CALIFORNIA		REV. NO.: 0	DATE: 2/11/94	
PM <i>Low</i>	PE/RG <i>MB</i>	DESIGNED SS	DETAILED SS	ACAD FILE: PSM194	PROJECT NO.: 020104087	FIGURE: 1	

ATTACHMENT 2

Table

4087R043.020

TABLE 1
HISTORICAL GROUNDWATER ANALYTICAL RESULTS AND MONITORING DATA
Chevron Service Station No. 9-2960
2416 Grove Way, Castro Valley, California

Well ID/ Elev	Date	TPH-G	Benzene	Toluene	Ethyl- Benzene	Xylenes	DTW (ft)	SPT (ft)	WTE (ft)
C-1 153.36	10/23/86	3,100	6,400	3,700	---	4,300	---	---	---
	09/10/87	120,000	25,000	60,000	13,000	56,000	---	---	---
	10/03/90	---	---	---	---	---	18.67	---	134.69
	10/25/90	---	---	---	---	---	18.71	0.71	135.22
	01/22/91	---	---	---	---	---	18.70	0.70	135.22
	02/21/91	---	---	---	---	---	18.62	0.88	135.44
	04/01/91	---	---	---	---	---	16.91	0.03	136.47
	04/11/91	---	---	---	---	---	16.90	0.04	136.49
	07/01/91	---	---	---	---	---	17.61	0.00	135.75
	09/24/91	---	---	---	---	---	18.98	0.99	135.17
	10/23/91	---	---	---	---	---	19.32	1.24	135.03
	11/22/91	---	---	---	---	---	18.83	0.97	134.53
	01/09/92	---	---	---	---	---	17.26	---	136.10
	03/06/92	---	---	---	---	---	16.69	0.61	137.16
	06/04/92	---	---	---	---	---	17.10	0.22	136.44
	09/28/92	---	---	---	---	---	18.71	0.77	---
	12/17/92	---	---	---	---	---	17.54	0.45	---
	04/29/93	---	---	---	---	---	16.40	0.68	137.50
	07/26/93	---	---	---	---	---	16.85	0.51	136.92
	10/22/93	---	---	---	---	---	17.03	0.03	136.66
01/24/94	---	---	---	---	---	---	---	---	

TABLE 1
HISTORICAL GROUNDWATER ANALYTICAL RESULTS AND MONITORING DATA
 Chevron Service Station No. 9-2960
 2416 Grove Way, Castro Valley, California

Well ID/ Elev	Date	TPH-G	Benzene	Toluene	Ethyl- Benzene	Xylenes	DTW (ft)	SPT (ft)	WTE (ft)
C-2	10/23/86	30,000	2,700	1,900	---	1,500	---	---	---
	09/10/87	14,000	2,600	2,900	500	1,200	---	---	---
151.84	10/16/89	600	260	34	1.7	41	---	---	---
	01/04/90	2,600	470	150	23	130	---	---	---
	04/05/90	500	280	29	6.3	19	---	---	---
	07/02/90	2,400	670	110	17	76	---	---	---
	10/03/90	---	---	---	---	---	---	---	---
	10/25/90	1,300	390	47	9	58	16.60	---	135.24
	01/22/91	2,600	680	88	29	130	16.69	---	135.15
	02/21/91	---	---	---	---	---	16.31	---	135.53
	04/01/91	---	---	---	---	---	15.08	---	136.76
	04/11/91	---	---	---	---	---	15.23	---	136.61
	07/01/91	---	---	---	---	---	15.96	---	135.88
	09/24/91	3,600	1,400	63	6.9	63	16.51	---	135.33
	10/23/91	---	---	---	---	---	16.66	---	135.18
	11/22/91	---	---	---	---	---	16.37	---	135.47
	01/09/92	7,100	770	740	190	690	15.56	---	136.28
	03/06/92	3,200	250	230	59	220	14.37	---	137.47
	06/04/92	1,500	<0.5	180	42	130	15.04	---	136.80
	09/28/92	6,400	940	230	57	220	16.40	---	135.44
	12/17/92	1,500	370	160	6	25	15.38	---	136.46
	04/29/93	1,800	690	120	74	140	14.97	0.00	136.87
	07/29/93	4,300	1,500	96	29	96	14.92	0.00	136.92
	10/22/93	820	560	57	15	58	15.81	0.00	136.03
	01/24/94	---	---	---	---	---	---	---	---

TABLE 1
HISTORICAL GROUNDWATER ANALYTICAL RESULTS AND MONITORING DATA
Chevron Service Station No. 9-2960
2416 Grove Way, Castro Valley, California

Well ID/ Elev	Date	TPH-G	Benzene	Toluene	Ethyl- Benzene	Xylenes	DTW (ft)	SPT (ft)	WTE (ft)
G-3 154.13	10/23/86	3,300	49	24	---	20	---	---	---
	09/10/87	200	110	2.6	<2.0	<2.0	---	---	---
	10/16/89	900	640	4.2	1.6	16	---	---	---
	01/04/90	920	430	7	6	7	---	---	---
	04/05/90	930	690	3.4	5.1	4.8	---	---	---
	07/02/90	1,700	590	11	4.8	9.4	---	---	---
	10/03/90	---	---	---	---	---	19.16	---	134.97
	10/25/90	750	510	2	6	5	19.28	---	134.85
	01/22/91	430	260	2	2	5	19.18	---	134.95
	01/22/91	400	250	2	2	5	19.18	---	134.95
	02/21/91	---	---	---	---	---	18.88	---	135.25
	04/01/91	---	---	---	---	---	17.59	---	136.54
	04/11/91	---	---	---	---	---	17.81	---	136.32
	07/01/91	---	---	---	---	---	18.56	---	135.57
	09/24/91	260	52	0.7	0.8	2.2	19.12	---	135.01
	10/23/91	---	---	---	---	---	19.24	---	134.89
	11/22/91	---	---	---	---	---	19.03	---	135.10
	01/09/92	240	120	0.9	<0.5	1.6	18.23	---	135.90
	03/06/92	230	68	1.2	1.2	1.3	17.04	---	137.09
	06/04/92	80	36	0.6	0.5	0.7	17.79	---	136.34
	09/28/92	84	49	<0.5	<0.5	1.5	19.00	---	135.13
	12/17/92	220	30	<0.5	<0.5	<0.5	18.18	---	135.95
	04/29/93	380	12	0.6	<0.5	<1.5	18.78	0.00	135.35
	07/26/93	800	38	1.1	<0.5	<1.5	17.72	0.00	136.41
	10/22/93	200	64	0.6	<0.5	<1.5	18.50	0.00	135.63
	01/24/94	<50	<0.5	<0.5	<0.5	<0.5	18.51	0.00	135.62

TABLE 1
HISTORICAL GROUNDWATER ANALYTICAL RESULTS AND MONITORING DATA
 Chevron Service Station No. 9-2960
 2416 Grove Way, Castro Valley, California

Well ID/ Elev	Date	TPH-G	Benzene	Toluene	Ethyl- Benzene	Xylenes	DTW (ft)	SPT (ft)	WTE (ft)
C-4 156.00	10/23/86	570	3	4	---	5	---	---	---
	09/10/87	500	3.0	<0.5	<0.5	<0.5	---	---	---
	10/16/89	<500	12	1.0	<0.5	0.8	---	---	---
	01/04/90	<500	5	<0.5	<0.5	0.9	---	---	---
	04/05/90	<50	6.6	<0.5	<0.5	0.7	---	---	---
	07/02/90	71	4.1	<0.5	<0.5	<0.5	---	---	---
	10/03/90	---	---	---	---	---	---	---	---
	10/25/90	<50	2	<0.5	<0.5	<0.5	20.43	---	135.57
	01/22/91	<50	3	<0.5	<0.5	<0.5	20.50	---	135.50
	02/21/91	---	---	---	---	---	20.23	---	135.77
	04/01/91	---	---	---	---	---	19.03	---	136.97
	04/11/91	---	---	---	---	---	19.05	---	136.95
	07/01/91	---	---	---	---	---	19.90	---	136.10
	09/24/91	87	1.6	<0.5	<0.5	<0.5	20.41	---	135.59
	10/23/91	---	---	---	---	---	20.53	---	135.47
	11/22/91	---	---	---	---	---	20.35	---	135.65
	01/09/92	51	4.3	<0.5	<0.5	<0.5	19.54	---	136.46
	01/09/92	<50	4.8	<0.5	<0.5	<0.5	19.54	---	136.46
	03/06/92	<50	0.8	<0.5	<0.5	<0.5	18.26	---	137.74
	06/04/92	<50	<0.5	<0.5	<0.5	0.7	18.92	---	137.08
	09/28/92	<50	<0.5	<0.5	<0.5	<0.5	20.31	---	135.69
	12/17/92	<50	<0.5	<0.5	<0.5	<0.5	19.57	---	136.43
	04/29/93	<50	<0.5	<0.5	<0.5	<1.5	17.78	0.00	138.22
	07/26/93	---	---	---	---	---	---	---	---
	08/18/93	<50	<0.5	<0.5	<0.5	<1.5	18.91	0.00	137.09
	10/22/93	<50	2.9	2.1	1.1	4.3	19.39	0.00	136.61
01/24/94	<50	<0.5	<0.5	<0.5	<0.5	19.42	0.00	136.58	

TABLE 1
HISTORICAL GROUNDWATER ANALYTICAL RESULTS AND MONITORING DATA
Chevron Service Station No. 9-2960
2416 Grove Way, Castro Valley, California

Well ID/ Elev	Date	TPH-G	Benzene	Toluene	Ethyl- Benzene	Xylenes	DTW (ft)	SPT (ft)	WTE (ft)
08 153.38	10/03/90	<50	<0.5	<0.5	<0.5	<0.5	17.78	---	135.60
	10/25/90	<50	<0.5	<0.5	<0.5	<0.5	17.92	---	135.46
	11/09/90	<50	<0.5	<0.5	<0.5	<0.5	17.92	---	135.46
	01/22/91	<50	<0.5	<0.5	<0.5	<0.5	17.80	---	135.58
	02/21/91	---	---	---	---	---	17.51	---	135.87
	04/01/91	---	---	---	---	---	16.31	---	137.07
	04/11/91	---	---	---	---	---	16.36	---	137.02
	07/01/91	---	---	---	---	---	17.12	---	136.26
	09/24/91	<50	<0.5	<0.5	<0.5	<0.5	17.70	---	135.68
	09/24/91	<50	<0.5	<0.5	<0.5	<0.5	17.70	---	135.68
	10/23/91	---	---	---	---	---	17.82	---	135.56
	11/22/91	---	---	---	---	---	17.61	---	135.77
	01/09/92	<50	<0.5	0.7	<0.5	<0.5	17.04	---	136.34
	03/06/92	<50	<0.5	<0.5	<0.5	<0.5	15.76	---	137.62
	06/04/92	<50	<0.5	<0.5	<0.5	<0.5	16.40	---	136.98
	09/28/92	<50	<0.5	<0.5	<0.5	<0.5	17.58	---	135.80
	12/17/92	<50	<0.5	<0.5	<0.5	<0.5	16.82	---	136.56
	04/29/93	<50	<0.5	<0.5	<0.5	<0.5	15.24	0.00	138.14
07/26/93	<50	<0.5	<0.5	<0.5	<1.5	16.30	0.00	137.08	
10/22/93	52	2.3	2.7	1.1	5.2	17.08	0.00	136.30	
01/24/94	<50	<0.5	<0.5	<0.5	<0.5	17.13	0.00	136.25	

TABLE 1
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Chevron Service Station No. 9-2960
2416 Grove Way, Castro Valley, California

Well ID/ Elev	Date	TPH-G	Benzene	Toluene	Ethyl- Benzene	Xylenes	DTW (ft)	SPT (ft)	WTE (ft)
152.84	10/03/90	<50	<0.5	<0.5	<0.5	<0.5	18.14	---	134.70
	10/25/90	<50	<0.5	1	<0.5	<0.5	18.29	---	134.55
	11/09/90	<50	<0.5	<0.5	<0.5	<0.5	18.26	---	134.58
	01/22/91	<50	<0.5	<0.5	<0.5	<0.5	18.15	---	134.69
	02/21/91	---	---	---	---	---	17.92	---	134.92
	04/01/91	---	---	---	---	---	17.11	---	135.73
	04/11/91	---	---	---	---	---	17.01	---	135.83
	07/01/91	---	---	---	---	---	17.72	---	135.12
	09/24/91	<50	<0.5	<0.5	<0.5	<0.5	18.12	---	134.72
	10/23/91	---	---	---	---	---	18.25	---	134.59
	11/22/91	---	---	---	---	---	18.05	---	134.79
	01/09/92	<50	<0.5	<0.5	<0.5	<0.5	17.42	---	135.42
	03/06/92	<50	<0.5	<0.5	<0.5	<0.5	16.51	---	136.33
	06/04/92	<50	<0.5	<0.5	<0.5	<0.5	17.01	---	135.83
	09/28/92	<50	<0.5	<0.5	<0.5	<0.5	18.00	---	134.84
	12/17/92	<50	<0.5	<0.5	<0.5	<0.5	17.26	---	135.58
	04/29/93	<50	<0.5	<0.5	<0.5	<1.5	16.23	---	136.61
	07/29/93	<50	<0.5	<0.5	<0.5	<1.5	16.96	---	135.88
	10/22/93	74	7.4	6.1	3.3	9.7	17.46	0.00	135.38
	01/24/94	<50	<0.5	<0.5	<0.5	<0.5	17.46	0.00	135.38

TABLE 1
HISTORICAL GROUNDWATER ANALYTICAL RESULTS AND MONITORING DATA
Chevron Service Station No. 9-2960
2416 Grove Way, Castro Valley, California

Well ID/ Elev	Date	TPH-G	Benzene	Toluene	Ethyl- Benzene	Xylenes	DTW (ft)	SPT (ft)	WTE (ft)
C-7 155.34	10/03/90	<50	<0.5	<0.5	<0.5	<0.5	20.82	---	134.52
	10/25/90	<50	<0.5	1	<0.5	<0.5	20.91	---	134.43
	11/09/90	<50	<0.5	<0.5	<0.5	<0.5	20.94	---	134.40
	01/22/91	<50	4	<0.5	<0.5	<0.5	21.50	---	133.84
	02/21/91	---	---	---	---	---	20.71	---	134.63
	04/01/91	---	---	---	---	---	20.00	---	135.34
	04/11/91	---	---	---	---	---	20.05	---	135.29
	07/01/91	---	---	---	---	---	20.52	---	134.82
	09/24/91	<50	<0.5	<0.5	<0.5	<0.5	20.82	---	134.52
	10/23/91	---	---	---	---	---	20.91	---	134.43
	11/22/91	---	---	---	---	---	20.79	---	134.55
	01/09/92	<50	<0.5	<0.5	<0.5	0.9	20.16	---	135.18
	03/06/92	<50	<0.5	<0.5	<0.5	<0.5	19.42	---	135.92
	06/04/92	250	<0.5	<0.5	<0.5	<0.5	19.81	---	135.53
	09/28/92	<50	<0.5	<0.5	<0.5	<0.5	20.65	---	134.69
	12/17/92	<50	<0.5	<0.5	<0.5	<0.5	20.02	---	135.32
	04/29/93	<50	<0.5	<0.5	<0.5	<1.5	19.15	0.00	136.19
07/26/93	<50	<0.5	<0.5	<0.5	<1.5	19.77	0.00	135.57	
10/22/93	---	---	---	---	---	20.17	0.00	135.17	
01/24/94	<50	<0.5	<0.5	<0.5	<0.5	20.23	0.00	135.11	

TABLE 1
HISTORICAL GROUNDWATER ANALYTICAL RESULTS AND MONITORING DATA
Chevron Service Station No. 9-2960
2416 Grove Way, Castro Valley, California

Well ID/ Elev	Date	TPH-G	Benzene	Toluene	Ethyl- Benzene	Xylenes	DTW (ft)	SPT (ft)	WTE (ft)
TB/LB	10/03/90	<50	<0.5	<0.5	<0.5	<0.5	---	---	---
	10/25/90	<50	<0.5	<0.5	<0.5	<0.5	---	---	---
	11/09/90	<50	<0.5	<0.5	<0.5	<0.5	---	---	---
	01/22/91	<50	<0.5	<0.5	<0.5	<0.5	---	---	---
	09/24/91	<50	<0.5	<0.5	<0.5	<0.5	---	---	---
	01/09/92	<50	<0.5	<0.5	<0.5	<0.5	---	---	---
	03/06/92	<50	<0.5	<0.5	<0.5	<0.5	---	---	---
	06/04/92	<50	<0.5	<0.5	<0.5	<0.5	---	---	---
	09/28/92	<50	<0.5	<0.5	<0.5	<0.5	---	---	---
	12/17/92	<50	<0.5	<0.5	<0.5	<0.5	---	---	---
	04/29/93	<50	<0.5	<0.5	<0.5	<1.5	---	---	---
	07/26/93	<50	<0.5	<0.5	<0.5	<1.5	---	---	---
	10/22/93	<50	<0.5	<0.5	<0.5	<1.5	---	---	---
01/24/94	<50	<0.5	<0.5	<0.5	<0.5	---	---	---	
Rinsate	09/10/87	<100	<0.5	<0.5	<0.5	<0.5	---	---	---
	10/25/90	<50	<0.5	<0.5	<0.5	<0.5	---	---	---
	09/24/90	<50	<0.5	<0.5	<0.5	<0.5	---	---	---
	01/09/92	<50	<0.5	<0.5	<0.5	<0.5	---	---	---
	03/06/92	<50	<0.5	<0.5	<0.5	<0.5	---	---	---
	06/04/92	<50	<0.5	<0.5	<0.5	<0.5	---	---	---
	09/28/92	<50	<0.5	<0.5	<0.5	<0.5	---	---	---
	01/24/94	<50	<0.5	0.9	<0.5	<0.5	---	---	---

DTW = Depth to water
WTE = Water table elevations measured in feet above mean sea level
--- = Not applicable/not measured/not sampled
SPT = Separate-phase hydrocarbons
TPH-G = Total petroleum hydrocarbons-as-gasoline
TB/LB = Laboratory trip blank

Data before April 29, 1993, was provided by Alton GeoSciences.

ATTACHMENT 3

Field Data Sheets

4087R043.020

ATTACHMENT 4

Laboratory Report

4087R043.020



Superior Precision Analytical, Inc.

825 Arnold Drive, Suite 114 • Martinez, California 94553 • (510) 229-1512 / fax (510) 229-1526

GROUNDWATER TECHNOLOGY, INC.
Attn: TIM WATCHERS

Project 9-2960
Reported 01/31/94

TOTAL PETROLEUM HYDROCARBONS

Lab #	Sample Identification	Sampled	Analyzed Matrix
30227- 1	TB-LB	01/24/94	01/27/94 Water
30227- 2	RBC-3	01/24/94	01/28/94 Water
30227- 3	C-3	01/24/94	01/28/94 Water
30227- 5	C-4	01/24/94	01/27/94 Water
30227- 7	C-5	01/24/94	01/27/94 Water
30227- 9	C-6	01/24/94	01/27/94 Water
30227-11	C-7	01/24/94	01/27/94 Water

RESULTS OF ANALYSIS

Laboratory Number: 30227- 1 30227- 2 30227- 3 30227- 5 30227- 7

Gasoline:	ND<50	ND<50	ND<50	ND<50	ND<50
Benzene:	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
Toluene:	ND<0.5	0.9	ND<0.5	ND<0.5	ND<0.5
Ethyl Benzene:	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
Total Xylenes:	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
Concentration:	ug/L	ug/L	ug/L	ug/L	ug/L

Laboratory Number: 30227- 9 30227-11

Gasoline:	ND<50	ND<50
Benzene:	ND<0.5	ND<0.5
Toluene:	ND<0.5	ND<0.5
Ethyl Benzene:	ND<0.5	ND<0.5
Total Xylenes:	ND<0.5	ND<0.5
Concentration:	ug/L	ug/L



Superior Precision Analytical, Inc.

825 Arnold Drive, Suite 114 ▪ Martinez, California 94553 ▪ (510) 229-1512 / fax (510) 229-1526

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

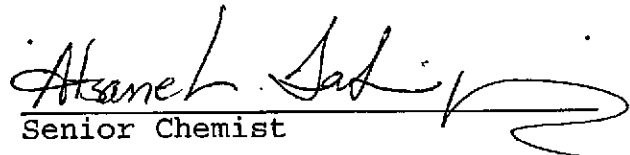
Page 2 of 2
QA/QC INFORMATION
SET: 30227

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

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	MS/MSD RECOVERY	RPD	CONTROL LIMIT
Gasoline:	109/112	3%	70-130
Benzene:	101/112	10%	70-130
Toluene:	94/108	14%	70-130
Ethyl Benzene:	90/104	14%	70-130
Total Xylenes:	99/113	13%	70-130


Senior Chemist

Fax copy of Lab Report and COC to Chevron Contact: Yes No

30227

Chain-of-Custody-Record

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

Chevron Facility Number 9-2960
Facility Address 2416 Grove Way, Castro Valley
Consultant Project Number 020104087.0610
Consultant Name Groundwater Technology, Inc.
Address 4057 Port Chicago Hwy, Concord, CA. 94520
Project Contact (Name) Tim Watchers
(Phone) 510-671-2387 (Fax Number)

Chevron Contact (Name) Ken Kan
(Phone) (510) 842-8752
Laboratory Name Superior Analytical
Laboratory Release Number 921-6461
Samples Collected by (Name) STEVE LINDRICKS
Collection Date 1-25-94
Signature [Signature]

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 Hydrocarbons (8010)	Purgeable Aromatics (8020)	Purgeable Organics (8340)	Extractable Organics (8270)	Metals Cd, Cr, Pb, Zn, Ni (ICAP or AA)	Remarks					
TBLB		2	W	G	12:17	HLV	Y	X													
RBC-3		1	W	G	12:17			X													
C-3		3	W	G	12:17			X													
RBC-4		1	W	G	1:01																X
C-4		3	W	G	1:01			X													
RBC-5		1	W	G	1:53																X
C-5		3	W	G	1:53			X													
RBC-6		1	W	G	2:39																X
C-6		3	W	G	2:39			X													
RBC-7		1	W	G	3:32																X
C-7		3	W	G	3:32			X													

Relinquished By (Signature) <u>[Signature]</u>	Organization <u>GTF</u>	Date/Time <u>1-24-94 5:18</u>	Received By (Signature) <u>[Signature]</u>	Organization <u>GTF</u>	Date/Time <u>1-25-94</u>	Turn Around Time (Circle Choice) 24 Hrs. 48 Hrs. 5 Days 10 Days As Contracted
Relinquished By (Signature) <u>[Signature]</u>	Organization <u>GTF</u>	Date/Time <u>1-25-94</u>	Received By (Signature) <u>[Signature]</u>	Organization <u>HERO</u>	Date/Time <u>1/25/240</u>	
Relinquished By (Signature) <u>[Signature]</u>	Organization <u>HERO</u>	Date/Time <u>1/25 12:59</u>	Received For Laboratory By (Signature) <u>[Signature]</u>	Date/Time <u>1-25-94</u>		