

GROUNDWATER TECHNOLOGY, INC.

1401 Halyard Drive, Suite 140, West Sacramento, CA 95691 (916) 372-4700

FAX (916) 372-8781

March 25, 1994

Project No. 02010 4228

Mr. Brett L. Hunter
Chevron U.S.A. Products Company
2410 Camino Ramon
San Ramon, CA 94583-0804

**RE: QUARTERLY MONITORING AND SAMPLING ACTIVITIES
FORMER CHEVRON SERVICE STATION 9-5607
5269 CROW CANYON ROAD
CASTRO VALLEY, CALIFORNIA**

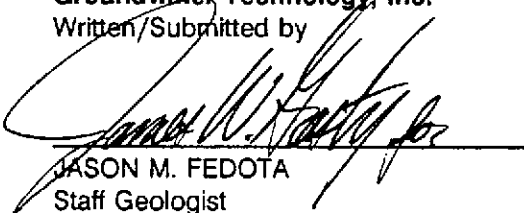
Dear Mr. Hunter:

Groundwater Technology, Inc. submits this letter as a summary of quarterly groundwater monitoring and sampling data collected at the above-referenced site on January 21, 1994. Fifteen of the sixteen site-related groundwater monitoring wells were gauged to determine depth to groundwater (DTW) and to check for the presence of separate-phase petroleum hydrocarbons (SP). ~~Monitoring well C-8~~ could not be gauged or sampled because a pump is deployed in the well. A potentiometric surface map (Figure 1) and a summary of groundwater monitoring data (Table 1) are included.

After measuring DTW, the wells were purged and sampled. The groundwater samples were analyzed for dissolved benzene, toluene, ethylbenzene and xylenes (BTEX), and total petroleum hydrocarbons-as-gasoline (TPH-G). Results of the chemical analyses are summarized in Table 1. Laboratory reports and chain-of-custody manifests are included in Attachment I. All purge water generated during the sampling process was processed through the on-site groundwater treatment system.


Groundwater Technology, Inc. is pleased to assist Chevron on this project. If you have any questions or comments please call our West Sacramento office.

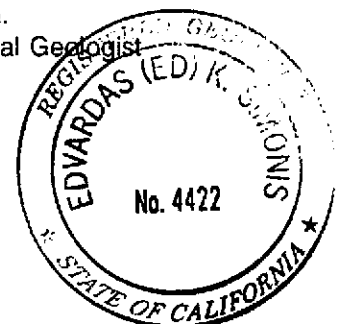
Sincerely,
Groundwater Technology, Inc.
Written/Submitted by

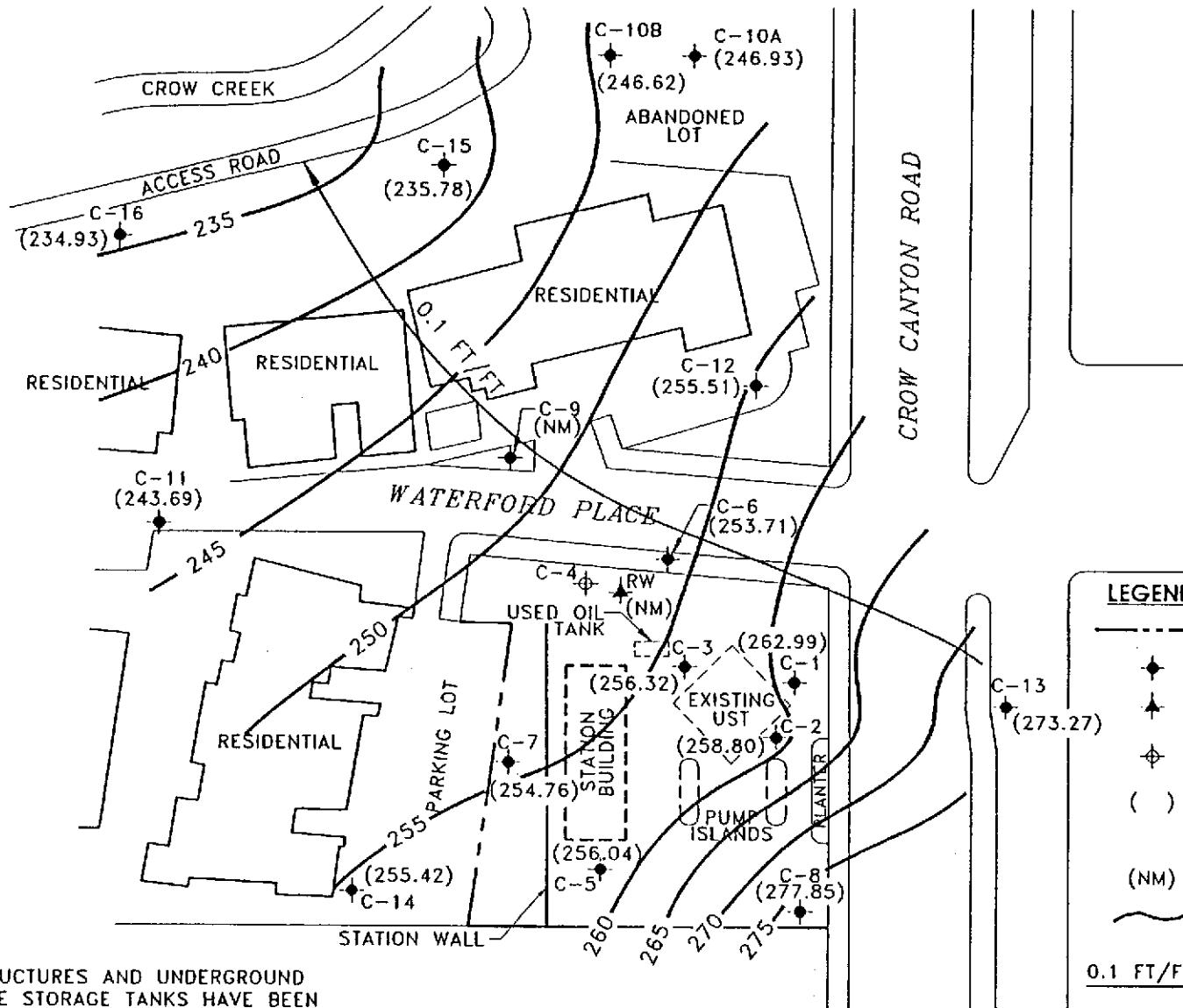

JASON M. FEDOTA
Staff Geologist
Project Manager

PR DSB
DSB/JMF/EKS:rz
Attachments
4228QTR1.LTR

Groundwater Technology, Inc.
Reviewed/Approved by


E. K. SIMONIS, R.G.
Senior Environmental Geologist





NOTE: ALL STRUCTURES AND UNDERGROUND GASOLINE STORAGE TANKS HAVE BEEN REMOVED AND DASHED FOR CLARITY.

LEGEND

- PROPERTY LINE
- ◆ MONITORING WELL
- ▲ RECOVERY WELL
- ⊕ ABANDONED MONITORING WELL
- () POTENTIOMETRIC SURFACE ELEVATION (FT.) (DATUM: MEAN SEA LEVEL)
- (NM) NOT MONITORED
- ~ POTENTIOMETRIC SURFACE CONTOUR INTERVAL= 5 FEET
- 0.1 FT/FT ESTIMATED GROUNDWATER FLOW DIRECTION AND APPROXIMATE GRADIENT



GROUNDWATER TECHNOLOGY



CLIENT:
CHEVRON U.S.A. PRODUCTS CO.
FORMER S.S. NO. 9-5607

LOCATION:
5269 CROW CANYON ROAD
CASTRO VALLEY, CALIFORNIA

**POTENTIOMETRIC SURFACE MAP
JANUARY 21, 1994**

FILE:
4228-F1 (1:60)

PROJECT NO.:
02010-4228

PM:

PE/RG:

FIGURE:

REV.:
4

DES.:
DSB

DET.:
SP

DATE:
3/24/94

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Table 1
HISTORICAL GROUNDWATER ANALYTICAL RESULTS AND MONITORING DATA

FORMER CHEVRON SERVICE STATION NO. 9-5607
5269 CROW CANYON ROAD, CASTRO VALLEY, CALIFORNIA

WELL ID/ ELEVATION (TOC)	DATE	BENZENE (ppb)	TOLUENE (ppb)	ETHYL- BENZENE (ppb)	XYLENES (ppb)	TPH-G (ppb)	ORGANIC LEAD (ppb)	DTW (feet)	SPT (feet)	WTE (feet)
C-1 283.46	03/26/85	--	--	--	--	--	--	22.83	0.00	260.63
	07/03/86	--	--	--	--	--	--	23.58	0.00	259.88
	03/26/87	--	--	--	--	--	--	20.50	0.00	262.96
	03/28/88	--	--	--	--	--	--	26.00	0.00	257.46
	03/10/89	--	--	--	--	--	--	15.86	0.00	267.60
	04/03/89	--	--	--	--	--	--	16.85	0.00	266.61
	05/08/89	--	--	--	--	--	--	22.68	0.00	260.78
	06/05/89	--	--	--	--	--	--	24.66	0.00	258.80
	07/12/90	--	--	--	--	--	--	25.56	0.00	257.90
	08/10/90	--	--	--	--	--	--	25.89	0.00	257.57
	09/13/89	3,600	1,100	1,000	3,500	22,000	--	26.55	0.00	256.91
	10/04/89	--	--	--	--	--	--	25.24	0.00	258.22
	11/03/89	--	--	--	--	--	--	25.03	0.00	258.43
	12/04/89	2,000	550	610	1,600	13,000	--	26.37	0.00	257.09
	03/07/90	--	--	--	--	--	--	22.48	0.00	260.98
	03/09/90	--	--	--	--	--	--	--	--	--
	06/12/90	3,500	1,400	840	4,000	21,000	--	24.35	0.00	259.11
	09/20/90	2,100	1,200	860	5,000	23,000	--	26.27	0.00	257.19
	12/20/90	760	410	260	1,100	8,200	--	22.59	0.00	260.87
	03/27/91	--	--	--	--	--	--	19.08	0.00	264.38
	06/18/91	--	--	--	--	--	--	27.11	0.00	256.35
	09/12/91	--	--	--	--	--	--	28.22	0.00	255.24
	01/23/92	--	--	--	--	--	--	26.65	0.00	256.81
04/13/92	3,100	1,300	850	3,100	38,000	--	22.16	0.00	261.30	
08/03/92	1,300	470	550	1,600	13,000	ND	26.15	0.00	257.31	
10/22/92	3,500	1,400	1,500	4,300	24,000	--	26.79	0.00	256.67	
01/18/93	6,900	8,900	3,100	23,000	370,000	--	18.60	0.00	264.86	
04/19/93	8,000	7,000	1,400	10,000	51,000	--	21.12	0.00	262.34	
07/21, 22/93	3,400	1,000	990	3,100	22,000	--	23.28	0.00	260.18	
10/25/93	2,000	550	790	2,300	14,000	--	24.66	0.00	258.80	
01/21/94	350	6	3	15	1,100	--	20.47	0.00	262.99	
C-2 284.37	03/26/85	--	--	--	--	--	--	--	--	--
	07/03/86	--	--	--	--	--	--	19.69	0.00	264.68
	03/26/87	--	--	--	--	--	--	15.45	0.00	268.92
	03/28/88	--	--	--	--	--	--	20.92	0.00	263.45
	03/10/89	--	--	--	--	--	--	12.80	0.00	271.57
	04/03/89	--	--	--	--	--	--	14.26	0.00	270.11
	05/08/89	--	--	--	--	--	--	18.42	0.00	265.95
	06/05/89	--	--	--	--	--	--	20.09	0.00	264.28
	07/12/90	--	--	--	--	--	--	20.79	0.00	263.58
	08/10/90	--	--	--	--	--	--	21.40	0.00	262.97
	09/13/89	62	4	10	14	320	--	21.86	0.00	262.51
	10/04/89	--	--	--	--	--	--	19.89	0.00	264.48
	11/03/89	--	--	--	--	--	--	20.76	0.00	263.61
	12/04/89	240	37	66	130	1,000	--	20.82	0.00	263.55
	03/07/90	--	--	--	--	--	--	17.83	0.00	266.54
	03/09/90	280	35	27	50	390	--	17.83	0.00	266.54
	06/12/90	260	34	28	55	700	--	19.89	0.00	264.48
	09/20/90	--	--	--	--	--	--	21.97	0.00	262.40
	12/20/90	--	--	--	--	--	--	17.73	0.00	266.64
	03/27/91	--	--	--	--	--	--	15.10	0.00	269.27
	06/18/91	--	--	--	--	--	--	22.68	0.00	261.69
	09/12/91	--	--	--	--	--	--	23.92	0.00	260.45
	01/23/92	--	--	--	--	--	--	21.24	0.00	263.13
04/13/92	120	76	17	72	1,100	--	17.54	0.00	266.83	
08/03/92	--	--	--	--	--	--	22.05	0.00	262.32	
10/22/92	--	--	--	--	--	--	23.03	0.00	261.34	
01/18/93	6.4	ND	ND	ND	70	--	14.86	0.00	269.51	
04/19/93	--	--	--	--	--	--	16.80	0.00	267.57	
07/21, 22/93	--	--	--	--	--	--	19.25	0.00	265.12	
10/25/93	--	--	--	--	--	--	19.65	0.00	264.72	
01/21/94	5,100	1,800	2,000	6,800	43,000	--	25.57	0.00	258.80	

Table 1
HISTORICAL GROUNDWATER ANALYTICAL RESULTS AND MONITORING DATA

FORMER CHEVRON SERVICE STATION NO. 9-5607
5269 CROW CANYON ROAD, CASTRO VALLEY, CALIFORNIA

WELL ID/ ELEVATION (TOC)	DATE	BENZENE (ppb)	TOLUENE (ppb)	ETHYL- BENZENE (ppb)	XYLENES (ppb)	TPH-G (ppb)	ORGANIC LEAD (ppb)	DTW (feet)	SPT (feet)	WTE (feet)
C-3 285.98	03/26/85	---	---	---	---	---	---	---	---	---
	07/03/86	---	---	---	---	---	---	26.04	0.00	259.94
	03/26/87	---	---	---	---	---	---	25.64	0.00	260.34
	03/28/88	---	---	---	---	---	---	28.82	0.00	257.16
	03/10/89	---	---	---	---	---	---	22.78	0.00	263.20
	04/03/89	---	---	---	---	---	---	22.71	0.00	263.27
	05/08/89	---	---	---	---	---	---	25.95	0.00	260.03
	06/05/89	---	---	---	---	---	---	27.62	0.00	258.36
	07/12/90	---	---	---	---	---	---	28.29	0.00	257.69
	08/10/90	---	---	---	---	---	---	28.46	0.00	257.52
	09/13/89	1,400	6,800	2,300	10,000	60,000	---	29.33	0.00	256.65
	10/04/89	---	---	---	---	---	---	28.97	0.00	257.01
	11/03/89	---	---	---	---	---	---	28.72	0.00	257.26
	12/04/89	1,300	3,300	1,400	2,700	56,000	---	29.01	0.00	256.97
	03/07/90	---	---	---	---	---	---	27.69	0.00	258.29
	03/09/90	1,100	5,700	1,600	7,900	42,000	---	27.69	0.00	258.29
	06/12/90	1,400	7,100	3,400	16,000	160,000	---	28.09	0.00	257.89
	09/24/90	850	7,700	2,000	10,000	53,000	---	29.18	0.00	256.80
	12/20/90	1,200	5,400	5,400	33,000	520	---	28.27	0.00	257.71
	03/27/91	1,300	3,100	1,200	11,000	92,000	---	24.80	0.00	261.18
	06/18/91	---	---	---	---	---	---	30.84	0.00	255.14
	09/12/91e	---	---	---	---	---	---	31.64	0.03	254.34
	01/23/92	---	---	---	---	---	---	30.52	SHEEN	255.46
04/13/92e	---	---	---	---	---	---	26.94	0.01	259.04	
08/03/92	1,300	2,800	3,100	17,000	220,000	ND	30.00	0.00	255.98	
10/22/92e	SP	SP	SP	SP	SP	---	30.62	0.03	255.38	
01/18/93	2,400	5,300	10,000	61,000	1,000,000	---	23.91	0.00	262.07	
04/19/93	33,000	22,000	1,600	9,200	94,000	---	25.00	0.00	260.98	
07/21,22/93	2,600	5,500	1,300	6,900	44,000	---	26.55	0.00	259.43	
10/25/93	3,900	2,400	1,100	6,600	35,000	---	28.72	0.00	257.26	
01/21/94	4,200	2,200	2,000	11,000	120,000	---	29.66	0.00	256.32	
C-4 273.01	03/26/85	---	---	---	---	---	---	15.14	0.00	257.87
	07/03/86	---	---	---	---	---	---	15.37	0.00	257.64
	03/26/87	---	---	---	---	---	---	---	---	---
	03/28/88	---	---	---	---	---	---	18.04	0.00	254.97
	03/10/89	---	---	---	---	---	---	---	---	---
	04/03/89	---	---	---	---	---	---	13.34	0.00	259.67
	05/08/89	---	---	---	---	---	---	15.60	0.00	257.41
	06/05/89	---	---	---	---	---	---	16.51	0.00	256.50
	07/12/90	---	---	---	---	---	---	16.99	0.00	256.02
	08/10/90	---	---	---	---	---	---	17.27	0.00	255.74
	09/13/89	21,000	3,100	3,200	11,000	57,000	---	18.16	0.00	254.85
	10/04/89	---	---	---	---	---	---	18.24	0.00	254.77
	11/03/89	---	---	---	---	---	---	18.17	0.00	254.84
	12/04/89	17,000	2,200	2,800	9,800	48,000	---	18.45	0.00	254.56
	03/07/90	---	---	---	---	---	---	17.20	0.00	255.81
	03/09/90	20,000	2,300	2,800	11,000	43,000	---	17.20	0.00	255.81
	06/12/90	21,000	2,400	4,000	16,000	82,000	---	16.66	0.00	256.35
09/24/90	---	---	---	---	---	---	18.11	0.00	254.90	
12/20/90b	---	---	---	---	---	---	---	---	---	

Table 1
HISTORICAL GROUNDWATER ANALYTICAL RESULTS AND MONITORING DATA

FORMER CHEVRON SERVICE STATION NO. 9-5607
5269 CROW CANYON ROAD, CASTRO VALLEY, CALIFORNIA

WELL ID/ ELEVATION (TOC)	DATE	BENZENE (ppb)	TOLUENE (ppb)	ETHYL- BENZENE (ppb)	XYLENES (ppb)	TPH-G (ppb)	ORGANIC LEAD (ppb)	DTW (feet)	SPT (feet)	WTE (feet)
C-5 287.95	03/26/85	---	---	---	---	---	---	25.33	0.00	262.62
	07/03/86	---	---	---	---	---	---	26.41	0.00	261.54
	03/26/87	---	---	---	---	---	---	24.96	0.00	262.99
	03/28/88	---	---	---	---	---	---	29.80	0.00	258.15
	03/10/89	---	---	---	---	---	---	25.89	0.00	262.06
	04/03/89	---	---	---	---	---	---	24.38	0.00	263.57
	05/08/89	---	---	---	---	---	---	27.80	0.00	260.15
	06/05/89	---	---	---	---	---	---	29.42	0.00	258.53
	07/12/90	---	---	---	---	---	---	29.86	0.00	258.09
	08/10/90	---	---	---	---	---	---	29.77	0.00	258.18
	09/13/89	ND	ND	ND	ND	310	---	30.95	0.00	257.00
	10/04/89	---	---	---	---	---	---	31.48	0.00	256.47
	11/03/89	---	---	---	---	---	---	31.32	0.00	256.63
	12/04/89	ND	ND	ND	ND	ND	---	31.70	0.00	256.25
	03/07/90	---	---	---	---	---	---	30.28	0.00	257.67
	03/09/90	ND	ND	ND	ND	ND	---	30.28	0.00	257.67
	06/12/90	ND	ND	ND	ND	90	---	30.48	0.00	257.47
	09/24/90	ND	ND	ND	ND	ND	---	31.78	0.00	256.17
	12/20/90	ND	ND	1.0	0.7	170	---	33.29	0.00	254.66
	03/27/91	---	---	---	---	---	---	27.98	0.00	259.97
	06/18/91	---	---	---	---	---	---	32.52	0.00	255.43
09/12/91	---	---	---	---	---	---	33.37	0.00	254.58	
01/23/92	---	---	---	---	---	---	32.67	0.00	255.28	
04/13/92	ND	ND	0.7	ND	140	---	28.48	0.00	259.47	
08/03/92	ND	ND	ND	ND	ND	ND	32.50	0.00	255.45	
10/22/92	---	---	---	---	---	---	33.98	0.00	253.97	
01/18/93	6.6	2.2	3.4	2.2	230	---	27.02	0.00	260.93	
04/19/93	---	---	---	---	---	---	24.81	0.00	263.14	
07/21,22/93	ND	0.6	ND	ND	130	---	29.06	0.00	258.89	
10/25/93	---	---	---	---	---	---	30.95	0.00	257.00	
01/21/94	ND	ND	ND	ND	ND	---	31.91	0.00	256.04	
C-6 275.28	03/26/85	---	---	---	---	---	---	16.74	---	---
	07/03/86	---	---	---	---	---	---	17.46	0.00	257.82
	03/26/87	---	---	---	---	---	---	18.37	0.00	256.91
	03/28/88	---	---	---	---	---	---	29.84	0.00	245.44
	03/10/89	---	---	---	---	---	---	14.44	0.00	260.84
	04/03/89	---	---	---	---	---	---	14.44	0.00	260.84
	05/08/89	---	---	---	---	---	---	17.16	0.00	258.12
	06/05/89	---	---	---	---	---	---	18.51	0.00	256.77
	07/12/90	---	---	---	---	---	---	18.71	0.00	256.57
	08/10/90	---	---	---	---	---	---	19.32	0.00	255.96
	09/13/89	5,600	3,000	2,400	10,000	47	---	19.95	0.00	255.33
	10/04/89	---	---	---	---	---	---	19.87	0.00	255.41
	11/03/89	---	---	---	---	---	---	19.35	0.00	255.93
	12/04/89	8,100	1,800	1,700	7,500	40,000	---	19.59	0.00	255.69
	03/07/90	---	---	---	---	---	---	18.39	0.00	256.89
	03/09/90	23,000	5,900	3,400	17,000	73,000	---	18.39	0.00	256.89
	06/12/90	19,000	6,500	3,400	16,000	85,000	---	18.87	0.00	256.41
	09/24/90	15,000	3,200	2,600	11,000	72,000	---	19.99	0.00	255.29
	12/20/90	11,000	4,200	3,400	16,000	100,000	---	21.57	0.00	253.71
	03/27/91	11,000	4,400	2,300	11,000	100,000	---	16.32	0.00	258.96
	06/18/91	---	---	---	---	---	---	23.33	0.00	251.95
09/12/91	---	---	---	---	---	---	23.96	0.00	251.32	
01/23/92	---	---	---	---	---	---	12.08	0.00	263.20	
04/13/92	---	---	---	---	---	---	19.85	SHEEN	255.43	
08/03/92	16,000	1,100	2,300	15,000	120,000	ND	14.72	0.00	260.56	
10/22/92	7,400	920	1,800	14,000	63,000	---	14.91	0.00	260.37	
01/18/93	13,000	1,600	2,700	12,000	77,000	---	15.44	0.00	259.84	
04/19/93	14,000	1,100	2,400	9,100	56,000	---	9.25	0.00	266.03	
07/21,22/93	6,600	610	1,500	5,800	38,000	---	17.35	0.00	257.93	
10/25/93	11,000	800	2,200	8,200	42,000	---	21.03	0.00	254.25	
01/21/94	11,000	940	2,300	9,800	57,000	---	21.57	0.00	253.71	

Table 1
HISTORICAL GROUNDWATER ANALYTICAL RESULTS AND MONITORING DATA

FORMER CHEVRON SERVICE STATION NO. 9-5607
5269 CROW CANYON ROAD, CASTRO VALLEY, CALIFORNIA

WELL ID/ ELEVATION (TOC)	DATE	BENZENE (ppb)	TOLUENE (ppb)	ETHYL- BENZENE (ppb)	XYLENES (ppb)	TPH-G (ppb)	ORGANIC LEAD (ppb)	DTW (feet)	SPT (feet)	WTE (feet)
C-7 270.70	03/26/85	---	---	---	---	---	---	9.61	---	---
	07/03/86	---	---	---	---	---	---	10.74	0.00	259.96
	03/26/87	---	---	---	---	---	---	10.08	0.00	260.62
	03/28/88	---	---	---	---	---	---	13.79	0.00	256.91
	03/10/89	---	---	---	---	---	---	10.42	0.00	260.26
	04/03/89	---	---	---	---	---	---	9.14	0.00	261.56
	05/08/89	---	---	---	---	---	---	11.91	0.00	258.79
	06/05/89	---	---	---	---	---	---	11.54	0.00	259.16
	07/12/90	---	---	---	---	---	---	13.45	0.00	257.25
	08/10/90	---	---	---	---	---	---	13.37	0.00	257.33
	09/13/89	1.3	ND	10	ND	410	---	14.60	0.00	256.10
	10/04/89	---	---	---	---	---	---	15.17	0.00	255.53
	11/03/89	---	---	---	---	---	---	15.28	0.00	255.42
	12/04/89	1	ND	5	ND	1,000	---	15.70	0.00	255.00
	03/07/90	---	---	---	---	---	---	14.22	0.00	256.48
	03/09/90	2.8	2.4	3.5	2	590	---	14.22	0.00	256.48
	06/12/90	ND	5	8.2	3.2	1,200	---	14.18	0.00	256.52
	09/24/90	1.4	1.9	1.4	2.2	400	---	15.44	SHEEN	255.26
	09/24/90D	ND	2.4	1.4	1.5	580	---	15.44	SHEEN	255.26
	12/20/90	ND	6.5	4.7	9.3	2,300	---	17.08	0.00	253.62
	03/27/91	ND	2.4	9.1	3	980	---	12.65	0.00	258.05
	06/18/91	---	---	---	---	---	---	16.44	0.00	254.26
	09/12/91	ND	3.1	6.5	2.7	1,200c	---	17.05	0.00	253.65
	01/23/92	---	---	---	---	---	---	16.92	0.00	253.78
04/13/92	ND	1	7.8	1.2	830	---	13.00	0.00	257.70	
08/03/92	---	---	---	---	---	---	---	---	---	
10/22/92b	---	---	---	---	---	---	---	---	---	
01/18/93b	---	---	---	---	---	---	---	---	---	
04/19/93b	---	---	---	---	---	---	---	---	---	
07/21,22/93	0.9	3	4	4	890	---	12.94	0.00	257.76	
10/25/93	---	---	---	---	---	---	14.83	0.00	255.87	
01/21/94	ND	6	1	3	660	---	15.94	0.00	254.76	
C-8 288.40	03/26/85	---	---	---	---	---	---	8.68	---	---
	07/03/86	---	---	---	---	---	---	13.89	0.00	274.51
	03/26/87	---	---	---	---	---	---	6.01	0.00	282.39
	03/28/88	---	---	---	---	---	---	10.66	0.00	277.74
	03/10/89	---	---	---	---	---	---	6.61	0.00	281.79
	04/03/89	---	---	---	---	---	---	6.46	0.00	281.94
	05/08/89	---	---	---	---	---	---	8.97	0.00	279.43
	06/05/89	---	---	---	---	---	---	10.88	0.00	277.52
	07/12/90	---	---	---	---	---	---	12.15	0.00	276.25
	08/10/90	---	---	---	---	---	---	12.46	0.00	275.94
	09/13/89	ND	ND	ND	ND	ND	---	12.78	0.00	275.62
	10/04/89	---	---	---	---	---	---	12.51	0.00	275.89
	11/03/89	---	---	---	---	---	---	14.63	0.00	273.77
	12/04/89	0.6	0.6	ND	1	64	---	9.59	0.00	278.81
	03/07/90	---	---	---	---	---	---	8.80	0.00	279.60
	03/09/90	ND	ND	ND	ND	ND	---	8.80	0.00	279.60
	06/12/90	2.5	1.2	1	1.4	120	---	8.94	0.00	279.46
	09/24/90	---	---	---	---	---	---	13.54	0.00	274.86
	12/20/90	---	---	---	---	---	---	9.33	0.00	279.07
	03/27/91	0.7	ND	0.7	1.9	54	---	6.10	0.00	282.30
	06/18/91	---	---	---	---	---	---	11.96	0.00	276.44
	09/12/91	ND	ND	ND	ND	ND	---	13.60	0.00	274.80
	09/12/91D	ND	ND	ND	ND	ND	---	13.60	0.00	274.80
	01/23/92	---	---	---	---	---	---	24.20	0.00	264.20
04/13/92	ND	ND	ND	ND	ND	---	8.35	0.00	280.05	
08/03/92	ND	ND	ND	ND	ND	ND	12.58	0.00	275.82	
10/22/92	ND	ND	ND	ND	ND	---	13.10	0.00	275.30	
01/18/93	ND	ND	ND	ND	ND	---	6.12	0.00	282.28	
04/19/93	ND	ND	ND	ND	ND	---	7.05	0.00	281.35	
07/21,22/93	ND	ND	ND	ND	ND	---	11.35	0.00	277.05	
10/25/93	ND	ND	ND	ND	ND	---	12.85	0.00	275.55	
01/21/94	ND	ND	ND	ND	ND	---	10.55	0.00	277.85	

Table 1
HISTORICAL GROUNDWATER ANALYTICAL RESULTS AND MONITORING DATA

FORMER CHEVRON SERVICE STATION NO. 9-5607
5269 CROW CANYON ROAD, CASTRO VALLEY, CALIFORNIA

WELL ID/ ELEVATION (TOC)	DATE	BENZENE (ppb)	TOLUENE (ppb)	ETHYL- BENZENE (ppb)	XYLENES (ppb)	TPH-G (ppb)	ORGANIC LEAD (ppb)	DTW (feet)	SPT (feet)	WTE (feet)
C-9 268.46	07/03/86	---	---	---	---	---	---	13.89	0.00	254.57
	03/26/87	---	---	---	---	---	---	13.74	0.00	254.72
	03/28/88	---	---	---	---	---	---	14.99	0.00	253.47
	03/10/89	---	---	---	---	---	---	13.39	0.00	255.07
	04/03/89	---	---	---	---	---	---	12.84	0.00	255.62
	05/08/89	---	---	---	---	---	---	14.38	0.00	254.08
	06/05/89	---	---	---	---	---	---	15.36	0.00	253.10
	07/12/90	---	---	---	---	---	---	15.65	0.00	252.81
	08/10/90	---	---	---	---	---	---	15.80	0.00	252.66
	09/13/89	14,000	1,100	2,800	4,200	42,000	---	16.53	0.00	251.93
	10/04/89	---	---	---	---	---	---	16.52	0.00	251.94
	11/03/89	---	---	---	---	---	---	16.51	0.00	251.95
	12/04/89	11,000	670	2,500	3,800	36,000	---	16.79	0.00	251.67
	03/07/90	---	---	---	---	---	---	16.22	0.00	252.24
	03/09/90	12,000	940	3,000	4,700	28,000	---	16.22	0.00	252.24
	06/12/90	11,000	1,600	2,300	4,800	39,000	---	14.88	0.00	253.58
	09/24/90	13,000	1,600	3,700	6,800	120,000	---	16.30	0.00	252.16
	12/20/90	9,300	560	2,800	3,300	51,000	---	17.23	0.00	251.23
	12/20/90D	12,000	580	2,800	3,500	44,000	---	17.23	0.00	251.23
	03/27/91	3,400	5,000	1,600	5,600	56,000	---	13.78	0.00	254.68
06/18/91	---	---	---	---	---	---	18.64	0.00	249.82	
09/12/91d	---	---	---	---	---	---	---	---	---	
C-10A 264.84	03/07/90	---	---	---	---	---	---	20.21	0.00	244.63
	03/09/90	1.6	0.7	0.8	3.5	ND	---	---	---	---
	06/12/90	ND	ND	ND	ND	ND	---	19.70	0.00	245.14
	09/24/90	ND	ND	ND	ND	ND	---	19.54	0.00	245.30
	12/20/90	ND	ND	ND	ND	ND	---	19.84	0.00	245.00
	03/27/91	---	---	---	---	---	---	18.01	0.00	246.83
	06/18/91	ND	ND	ND	ND	ND	---	20.16	0.00	244.68
	09/12/91	ND	ND	ND	ND	ND	---	20.57	0.00	244.27
	01/23/92	ND	ND	ND	ND	ND	---	20.67	0.00	244.17
	04/13/92	0.9	1.3	ND	1	53	---	19.40	0.00	245.44
	08/03/92	ND	ND	ND	ND	ND	ND	19.81	0.00	245.03
	10/22/92	ND	ND	ND	0.5	ND	---	19.83	0.00	245.01
	01/18/93	ND	ND	ND	ND	ND	---	17.04	0.00	247.80
	04/19/93	ND	ND	ND	ND	ND	---	17.77	0.00	247.07
	04/19/93	ND	ND	ND	ND	ND	---	17.56	0.00	247.28
	10/25/93	ND	ND	ND	ND	ND	---	17.77	0.00	247.07
	01/21/94	ND	ND	ND	ND	ND	---	17.91	0.00	246.93
C-10B 264.85	03/07/90	---	---	---	---	---	---	21.44	0.00	243.41
	06/12/90	ND	ND	ND	ND	ND	---	19.94	0.00	244.91
	09/24/90	ND	ND	ND	ND	ND	---	19.77	0.00	245.08
	12/20/90	ND	ND	ND	ND	ND	---	20.00	0.00	244.85
	03/27/91	---	---	---	---	---	---	18.23	0.00	246.62
	06/18/91	---	---	---	---	---	---	20.44	0.00	244.41
	09/12/91	ND	ND	ND	ND	ND	---	20.82	0.00	244.03
	01/23/92	ND	ND	ND	ND	ND	---	20.92	0.00	243.93
	04/13/92	ND	ND	ND	ND	ND	---	19.68	0.00	245.17
	08/03/92	ND	ND	ND	ND	ND	ND	20.07	0.00	244.78
	10/22/92	ND	ND	ND	ND	ND	---	20.12	0.00	244.73
	01/18/93	3.3	11	2.1	8.9	60	---	17.36	0.00	247.49
	04/19/93	ND	ND	ND	ND	ND	---	17.90	0.00	246.95
	07/21,22/93	ND	ND	ND	ND	ND	---	17.86	0.00	246.99
	10/25/93	ND	ND	ND	ND	ND	---	18.10	0.00	246.75
01/21/94	ND	ND	ND	ND	ND	---	18.23	0.00	246.62	

Table 1
HISTORICAL GROUNDWATER ANALYTICAL RESULTS AND MONITORING DATA

FORMER CHEVRON SERVICE STATION NO. 9-5607
5269 CROW CANYON ROAD, CASTRO VALLEY, CALIFORNIA

WELL ID/ ELEVATION (TOC)	DATE	BENZENE (ppb)	TOLUENE (ppb)	ETHYL- BENZENE (ppb)	XYLENES (ppb)	TPH-G (ppb)	ORGANIC LEAD (ppb)	DTW (feet)	SPT (feet)	WTE (feet)
C-11 265.30	03/07/90	--	--	--	--	--	--	22.74	0.00	242.56
	03/09/90	1.2	0.7	ND	1.4	ND	--	--	--	--
	06/12/90	ND	ND	ND	ND	ND	--	21.98	0.00	243.32
	09/24/90	ND	ND	ND	ND	ND	--	21.88	0.00	243.42
	12/20/90	ND	ND	ND	ND	ND	--	23.18	0.00	242.12
	03/27/91	ND	ND	ND	1.5	ND	--	21.52	0.00	243.78
	06/18/91	--	--	--	--	--	--	21.90	0.00	243.40
	09/12/91	ND	ND	ND	ND	ND	--	22.70	0.00	242.60
	01/23/92	ND	ND	ND	ND	ND	--	23.46	0.00	241.84
	04/13/92	ND	ND	ND	ND	ND	--	21.57	0.00	243.73
	08/03/92	ND	ND	ND	ND	ND	ND	22.67	0.00	242.63
	10/22/92	ND	ND	ND	ND	ND	--	23.29	0.00	242.01
	01/18/93	ND	1.2	ND	2.2	ND	--	21.36	0.00	243.94
	04/19/93	ND	ND	ND	ND	ND	--	19.97	0.00	245.33
	07/21,22/93	ND	ND	ND	ND	ND	--	20.65	0.00	244.65
10/25/93	ND	ND	ND	ND	ND	--	20.75	0.00	244.55	
01/21/94	ND	ND	ND	ND	ND	--	21.61	0.00	243.69	
C-12 269.66	03/07/90	--	--	--	--	--	--	14.92	0.00	254.74
	03/09/90	230	140	33	180	1,400	--	--	--	--
	06/12/90	190	71	18	73	720	--	14.79	0.00	254.87
	09/24/90	1.1	ND	ND	0.6	ND	--	15.72	0.00	253.94
	12/20/90	210	26	8.2	23	810	--	15.26	0.00	254.40
	03/27/91	350	220	52	210	2,900	--	12.11	0.00	257.55
	06/18/91	--	--	--	--	--	--	16.38	0.00	253.28
	09/12/91	59	12	4.5	8.5	350	--	17.55	0.00	252.11
	01/23/92	110	31	7.9	22	450	--	17.11	0.00	252.55
	04/13/92	1,100	76	100	200	5,000	--	14.40	0.00	255.26
	08/03/92	200	21	13	25	520	ND	15.83	0.00	253.83
	10/22/92	310	66	35	56	1,300	--	16.14	0.00	253.52
	01/18/93	1,200	430	220	610	5,600	--	11.70	0.00	257.96
	04/19/93	600	99	96	170	2,000	--	13.05	0.00	256.61
	07/21,22/93	95	36	18	56	540	--	12.84	0.00	256.82
10/25/93	90	29	20	50	350	--	14.03	0.00	255.63	
01/21/94	73	18	14	37	450	--	14.15	0.00	255.51	
C-13 284.32	03/07/90	--	--	--	--	--	--	11.18	0.00	273.14
	03/09/90	15	3.7	1	6.2	ND	--	--	--	--
	06/12/90	2.6	ND	ND	ND	ND	--	10.70	0.00	273.62
	09/24/90	2.4	ND	ND	ND	ND	--	11.60	0.00	272.72
	12/20/90	1.6	ND	ND	ND	ND	--	10.16	0.00	274.16
	03/27/91	--	--	--	--	--	--	7.64	0.00	276.68
	06/18/91	--	--	--	--	--	--	11.32	0.00	273.00
	09/12/91	ND	ND	ND	ND	ND	--	11.84	0.00	272.48
	01/23/92	--	--	--	--	--	--	10.55	0.00	273.77
	04/13/92	1	ND	ND	ND	ND	--	10.96	0.00	273.36
	08/03/92	ND	ND	ND	ND	ND	ND	10.90	0.00	273.42
	10/22/92	--	--	--	--	--	--	11.18	0.00	273.14
	01/18/93	54	10	5.4	12	290	--	7.40	0.00	276.92
	04/19/93	--	--	--	--	--	--	8.93	0.00	275.39
	07/21,22/93	ND	ND	ND	ND	ND	--	10.75	0.00	273.57
10/25/93	--	--	--	--	--	--	10.85	0.00	273.47	
01/21/94	ND	ND	ND	ND	ND	--	11.05	0.00	273.27	

Table 1
HISTORICAL GROUNDWATER ANALYTICAL RESULTS AND MONITORING DATA

FORMER CHEVRON SERVICE STATION NO. 9-5607
5269 CROW CANYON ROAD, CASTRO VALLEY, CALIFORNIA

WELL ID/ ELEVATION (TOC)	DATE	BENZENE (ppb)	TOLUENE (ppb)	ETHYL- BENZENE (ppb)	XYLENES (ppb)	TPH-G (ppb)	ORGANIC LEAD (ppb)	DTW (feet)	SPT (feet)	WTE (feet)
C-14 270.74	03/07/90	--	--	--	--	--	--	15.18	0.00	255.56
	03/09/90	ND	ND	ND	ND	ND	--	--	--	--
	06/12/90	ND	ND	ND	ND	ND	--	13.42	0.00	257.32
	09/24/90	ND	ND	ND	ND	ND	--	12.84	0.00	257.90
	12/20/90	1.7	0.7	ND	0.7	ND	--	16.72	0.00	254.02
	03/27/91	ND	ND	ND	1.3	ND	--	8.00	0.00	262.74
	06/18/91	--	--	--	--	--	--	15.21	0.00	255.53
	09/12/91	ND	ND	ND	ND	ND	--	15.61	0.00	255.13
	01/23/92	--	--	--	--	--	--	24.64	0.00	246.10
	04/13/92	ND	ND	ND	ND	ND	--	12.21	0.00	258.53
	08/03/92	ND	ND	ND	ND	ND	ND	14.64	0.00	256.10
	10/22/92	--	--	--	--	--	--	16.94	0.00	253.80
	01/18/93	ND	ND	ND	ND	ND	--	5.10	0.00	265.64
	04/19/93	--	--	--	--	--	--	6.88	0.00	263.86
07/21,22/93	ND	ND	ND	ND	ND	--	11.16	0.00	259.58	
10/25/93	--	--	--	--	--	--	13.87	0.00	256.87	
01/21/94	ND	ND	ND	ND	ND	--	15.32	0.00	255.42	
C-15 246.15	03/07/90	--	--	--	--	--	--	11.10	0.00	235.05
	03/09/90	ND	1.4	0.5	0.6	410	--	--	--	--
	06/12/90	11	ND	ND	ND	420	--	10.78	0.00	235.37
	09/24/90	ND	1.5	ND	ND	430	--	10.93	0.00	235.22
	12/20/90	1.3	1.1	0.6	1.5	300	--	11.08	0.00	235.07
	03/27/91	4.6	1.1	ND	1	520c	--	8.50	0.00	237.65
	06/18/91	ND	1.1	ND	ND	290	--	10.83	0.00	235.32
	06/18/91D	ND	1.3	ND	ND	320	--	10.83	0.00	235.32
	09/12/91	ND	0.9	ND	ND	330c	--	11.05	0.00	235.10
	01/23/92	ND	0.6	ND	ND	210	--	10.80	0.00	235.35
	01/23/92D	1.2	0.8	ND	ND	190	--	10.80	0.00	235.35
	04/13/92	1.8	ND	ND	ND	430	--	9.58	0.00	236.57
	08/03/92	ND	2.1	0.7	1.3	640	ND	11.21	0.00	234.94
	10/22/92	ND	ND	ND	0.8	420	--	11.65	0.00	234.50
	01/18/93	7.0	3.0	2.9	6.7	640	--	7.12	0.00	239.03
	04/19/93	6.0	2.0	0.7	ND	260c	--	8.93	0.00	237.22
07/21,22/93	ND	8	ND	0.6	580f	--	9.78	0.00	236.37	
10/25/93	ND	12	ND	0.6	240	--	9.74	0.00	236.41	
01/21/94	0.6	ND	0.6	ND	420f	--	10.37	0.00	235.78	
C-16 246.69	03/07/90	--	--	--	--	--	--	18.50	0.00	228.19
	03/09/90	ND	ND	ND	ND	ND	--	--	--	--
	06/12/90	ND	ND	ND	ND	ND	--	11.42	0.00	235.27
	09/24/90	ND	ND	ND	ND	ND	--	11.39	0.00	235.30
	12/20/90	ND	ND	ND	0.7	ND	--	11.57	0.00	235.12
	03/27/91	ND	ND	ND	1.3	ND	--	8.76	0.00	237.93
	03/27/91D	ND	ND	ND	1.2	ND	--	8.76	0.00	237.93
	06/18/91	ND	ND	ND	ND	ND	--	11.18	0.00	235.51
	09/12/91	ND	ND	ND	ND	ND	--	11.95	0.00	234.74
	01/23/92	ND	ND	ND	ND	ND	--	12.41	0.00	234.28
	04/13/92	ND	ND	ND	ND	ND	--	10.69	0.00	236.00
	08/03/92	ND	ND	ND	ND	ND	ND	12.20	0.00	234.49
	10/22/92	ND	ND	ND	ND	ND	--	12.60	0.00	234.09
	01/18/93	ND	ND	ND	ND	ND	--	9.00	0.00	237.69
	04/19/93	ND	ND	ND	ND	ND	--	9.89	0.00	236.80
	07/21,22/93	ND	ND	ND	ND	ND	--	10.25	0.00	236.44
10/25/93	ND	ND	ND	ND	ND	--	10.96	0.00	235.73	
01/21/94	ND	0.7	ND	1	ND	--	11.76	0.00	234.93	

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FORMER CHEVRON SERVICE STATION NO. 9-5607
5269 CROW CANYON ROAD, CASTRO VALLEY, CALIFORNIA

WELL ID/ ELEVATION (TOC)	DATE	BENZENE (ppb)	TOLUENE (ppb)	ETHYL- BENZENE (ppb)	XYLENES (ppb)	TPH-G (ppb)	ORGANIC LEAD (ppb)	DTW (feet)	SPT (feet)	WTE (feet)
RW 274.52	12/04/89	29,000	1,700	1,800	8,800	62,000	---	---	---	---
	03/07/90	---	---	---	---	---	---	18.50	0.00	256.02
	06/12/90	15,000	2,000	560	3,100	31,000	---	18.49	0.00	256.03
	09/24/90	---	---	---	---	---	---	---	---	---
	12/20/90	0.5	ND	ND	1.2	ND	---	---	---	---
	03/27/91	---	---	---	---	---	---	---	---	---
	06/18/91	---	---	---	---	---	---	---	---	---
	09/12/91a	---	---	---	---	---	---	---	---	---
	01/23/92a	---	---	---	---	---	---	---	---	---
	04/13/92a	---	---	---	---	---	---	---	---	---
	08/03/92a	---	---	---	---	---	---	---	---	---
	10/22/92a	---	---	---	---	---	---	---	---	---
	01/18/93a	---	---	---	---	---	---	---	---	---
	04/19/93a	---	---	---	---	---	---	---	---	---
	07/21,22/93a	---	---	---	---	---	---	---	---	---
10/25/93	---	---	---	---	---	---	---	---	---	
01/21/94	---	---	---	---	---	---	---	---	---	

Explanation

Top of casing and groundwater elevations are expressed as feet above mean sea level.

TPH-G = Total petroleum hydrocarbons as gasoline

SP = Separate-phase petroleum hydrocarbons

DTW = Depth to water

SPT = Separate-phase hydrocarbon thickness

WTE = Water table elevation

(adjusted WTE = well elevation - (DTW - (SPT X 0.8))

TOC = Top of casing

ppb = parts per billion

ND = Not detected at or above the minimum quantitation limit

--- = Not analyzed

NOTE: See laboratory reports for minimum quantitation limits.

D = Duplicate

a = Not sampled due to insufficient water in well

b = C-4: Well destroyed, C-7: Well could not be located

c = Typical gasoline chromatographic pattern not present

d = Not sampled: Well adapted for on-site remediation system

e = Groundwater elevation corrected assuming 0.8 specific gravity for gasoline

f = Uncategorized compound is not included in gasoline hydrocarbon total

Sampling frequency:

Quarterly: C-1, C-3, C-4, C-6, C-8, C-10A, C-10B, C-11, C-12, C-15, and C-16.

Semi-annually (1st & 3rd quarters): C-5, C-7, C-13, and C-14.

Annually (1st quarter): C-2.



ATTACHMENT I

**LABORATORY REPORTS
AND
CHAIN-OF-CUSTODY MANIFESTS**



**GROUNDWATER
TECHNOLOGY**



GTEL

ENVIRONMENTAL
LABORATORIES, INC.

4080 Pike Lane
Concord, CA 94520
(510) 685-7852
(800) 544-3422 Inside CA
(800) 423-7143 Outside CA
(510) 825-0720 FAX

Client Number: 020704228
Consultant Project Number: 20704228.060
Project ID: 5269 Crow Canyon,
Castro Valley
Work Order Number: C4-01-0296

January 28, 1994

Bruce Eppler
Groundwater Technology, Inc.
1401 Halyard Dr., #140
W. Sacramento, CA 95691

Enclosed please find the analytical results for samples received by GTEL Environmental Laboratories, Inc. on 01/24/94.

A formal Quality Assurance/Quality Control (QA/QC) program is maintained by GTEL, which is designed to meet or exceed the EPA requirements. Analytical work for this project met QA/QC criteria, unless otherwise stated in the footnotes.

GTEL is certified by the California State Department of Health Services, Laboratory certification number E1075, to perform analyses for drinking water, wastewater, and hazardous waste materials according to EPA protocols.

If you have any questions concerning this analysis or if we can be of further assistance, please call our Customer Service Representative.

Sincerely,
GTEL Environmental Laboratories, Inc.

Rashmi Shah
Laboratory Director

Client Number: 020704228
 Consultant Project Number: 20704228.060
 Project ID: 5269 Crow Canyon,
 Castro Valley
 Work Order Number: C4-01-0296

Table 1
ANALYTICAL RESULTS
 Aromatic Volatile Organics and
 Total Petroleum Hydrocarbons as Gasoline in Water
 EPA Methods 5030, 8020, and Modified 8015^a

GTEL Sample Number		01	02	03	05
Client Identification		TBLB	RBC16	C16	C14
Date Sampled		01/21/94	01/21/94	01/21/94	01/21/94
Date Analyzed		01/25/94	01/26/94	01/25/94	01/25/94
Analyte	Detection Limit, ug/L	Concentration, ug/L			
Benzene	0.5	<0.5	<0.5	<0.5	<0.5
Toluene	0.5	<0.5	<0.5	0.7	<0.5
Ethylbenzene	0.5	<0.5	<0.5	<0.5	<0.5
Xylene, total	0.5	<0.5	<0.5	1	<0.5
TPH as Gasoline	50	<50	<50	<50	<50
Detection Limit Multiplier		1	1	1	1
BFB surrogate, % recovery		91.7	97.7	91.3	92.5

a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 0, US EPA November 1986. Modification for TPH as gasoline as per California State Water Resources Board LUFT Manual procedures. Bromofluorobenzene surrogate recovery acceptability limits are 70-130%.

Client Number: 020704228
 Consultant Project Number: 20704228.060
 Project ID: 5269 Crow Canyon,
 Castro Valley
 Work Order Number: C4-01-0296

Table 1 (continued)
ANALYTICAL RESULTS
 Aromatic Volatile Organics and
 Total Petroleum Hydrocarbons as Gasoline in Water
 EPA Methods 5030, 8020, and Modified 8015^a

GTEL Sample Number		07	09	11	13
Client Identification		C-13	C-11	C-10 ^b	C-8
Date Sampled		01/21/94	01/21/94	01/21/94	01/21/94
Date Analyzed		01/26/94	01/26/94	01/26/94	01/26/94
Analyte	Detection Limit, ug/L	Concentration, ug/L			
Benzene	0.5	<0.5	<0.5	<0.5	<0.5
Toluene	0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	0.5	<0.5	<0.5	<0.5	<0.5
Xylene, total	0.5	<0.5	<0.5	<0.5	<0.5
TPH as Gasoline	50	<50	<50	<50	<50
Detection Limit Multiplier		1	1	1	1
BFB surrogate, % recovery		90.1	91.9	91.8	91.4

a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 0, US EPA November 1986. Modification for TPH as gasoline as per California State Water Resources Board LUFT Manual procedures. Bromofluorobenzene surrogate recovery acceptability limits are 70-130%.

Client Number: 020704228
 Consultant Project Number: 20704228.060
 Project ID: 5269 Crow Canyon,
 Castro Valley
 Work Order Number: C4-01-0296

Table 1 (continued)
ANALYTICAL RESULTS
 Aromatic Volatile Organics and
 Total Petroleum Hydrocarbons as Gasoline in Water
 EPA Methods 5030, 8020, and Modified 8015^a

GTEL Sample Number		15	17	19	21
Client Identification		C-10A	C-5	C-7	C-2
Date Sampled		01/21/94	01/21/94	01/21/94	01/21/94
Date Analyzed		01/26/94	01/26/94	01/26/94	01/27/94
Analyte	Detection Limit, ug/L	Concentration, ug/L			
Benzene	0.5	<0.5	<0.5	<0.5	5100
Toluene	0.5	<0.5	<0.5	6	1800
Ethylbenzene	0.5	<0.5	<0.5	1	2000
Xylene, total	0.5	<0.5	<0.5	3	6800
TPH as Gasoline	50	<50	<50	660	43000
Detection Limit Multiplier		1	1	1	100
BFB surrogate, % recovery		91.8	92.3	96.0	102

- a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 0, US EPA November 1986. Modification for TPH as gasoline as per California State Water Resources Board LUFT Manual procedures. Bromofluorobenzene surrogate recovery acceptability limits are 70-130%.

Client Number: 020704228
 Consultant Project Number: 20704228.060
 Project ID: 5269 Crow Canyon,
 Castro Valley
 Work Order Number: C4-01-0296

Table 1 (continued)
ANALYTICAL RESULTS
 Aromatic Volatile Organics and
 Total Petroleum Hydrocarbons as Gasoline in Water
 EPA Methods 5030, 8020, and Modified 8015a

GTEL Sample Number		23	25	27	29
Client Identification		C-15	C-12	C-1	C-3
Date Sampled		01/21/94	01/21/94	01/21/94	01/21/94
Date Analyzed		01/26/94	01/26/94	01/27/94	01/26/94
Analyte	Detection Limit, ug/L	Concentration, ug/L			
Benzene	0.5	0.6	73	350	4200
Toluene	0.5	<0.5	18	6	2200
Ethylbenzene	0.5	0.6	14	3	2000
Xylene, total	0.5	<0.5	37	15	11000
TPH as Gasoline	50	420 ^b	450	1100	120000
Detection Limit Multiplier		1	1	5	200
BFB surrogate, % recovery		94.6	84.7	106	91.1

- a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 0, US EPA November 1986. Modification for TPH as gasoline as per California State Water Resources Board LUFT Manual procedures. Bromofluorobenzene surrogate recovery acceptability limits are 70-130%.
- b. Uncategorized compound not included in gasoline hydrocarbon concentration.

Client Number: 020704228
 Consultant Project Number: 20704228.060
 Project ID: 5269 Crow Canyon,
 Castro Valley
 Work Order Number: C4-01-0296

Table 1 (continued)

ANALYTICAL RESULTS

Aromatic Volatile Organics and

Total Petroleum Hydrocarbons as Gasoline in Water

EPA Methods 5030, 8020, and Modified 8015^a

GTEL Sample Number		31	Q012594		
Client Identification		C-6	METHOD BLANK		
Date Sampled		01/24/94	---		
Date Analyzed		01/26/94	01/26/94		
Analyte	Detection Limit, ug/L	Concentration, ug/L			
Benzene	0.5	11000	<0.5		
Toluene	0.5	940	<0.5		
Ethylbenzene	0.5	2300	<0.5		
Xylene, total	0.5	9800	<0.5		
TPH as Gasoline	50	57000	<50		
Detection Limit Multiplier		50	1		
BFB surrogate, % recovery		93.6	97.3		

a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 0, US EPA November 1986. Modification for TPH as gasoline as per California State Water Resources Board LUFT Manual procedures. Bromofluorobenzene surrogate recovery acceptability limits are 70-130%.

Client Number: 020704228
Consultant Project Number: 20704228.060
Project ID: 5269 Crow Canyon,
Castro Valley
Work Order Number: C4-01-0296

QC Matrix Spike and Duplicate Spike Results

Matrix: Water

Analyte	Sample ID	Spike Amount	Units	Recovery, %	Duplicate Recovery, %	RPD, %	Control Limits
Modified EPA 8020:							
Benzene	C4010296-01	20.0	ug/L	95.5	93.5	2.11	57.3 - 138
Toluene	C4010296-01	20.0	ug/L	92.5	90.5	2.18	63.0 - 134
Ethylbenzene	C4010296-01	20.0	ug/L	90.0	88.0	2.24	59.3 - 137
Xylene, total	C4010296-01	60.0	ug/L	94.0	91.6	2.58	59.3 - 144

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

Chain-of-Custody-Record

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

Chevron Facility Number: 9-5607
 Facility Address: 5269 Crow Canyon Castro Valley
 Consultant Project Number: 020704228, Q610
 Consultant Name: Groundwater Technology, Inc.
 Address: 1401 Halyard Dr. #140, W. Sacramento, CA 95691
 Project Contact (Name): Bruce Eppler
 (Phone) 916-372-4700 (Fax Number) _____

Chevron Contact (Name): Brett Hunter
 (Phone) (510) 544-3422
 Laboratory Name: GTEL
 Laboratory Release Number: 8683910
 Samples Collected by (Name): Greg MASON
 Collection Date: 1/21/94
 Signature: [Signature]

Sample Number	Lab Sample Number	Number of Containers	Matrix S = Soil W = Water A = Air C = Cholesterol	Type G = Grab C = Composite D = Discrete	Time	Sample Preservation	Lead (Yes or No)	Analyses To Be Performed										Remarks
								ETEX + 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)			
TBLB	01	2	S	G														
RBA#16	02	1	W	G	14:00	HCL	Y	*										
MA#16	03	3	W	G	14:00	HCL	Y	*										
RBA#14	04	1	W	G	14:15		Y	*	UD									
MA#14	05	3	W	G	14:15		Y	*										X
RBA#13	06	1	W	G	14:30		X	*										X
MA#13	07	3	W	G	14:30		X	*										X
RBC-11	08				14:45			*										X
C-11	09				14:45			*										X
RBC-10b	10				15:00			*										X
C-10b	11				15:00			*										X
RBC-8	12				15:15			*										X
C-8	13				15:15			*										X
RBC-10A	14				15:30			*										X
C-10A	15				15:30			*										X

NOTE:
Do NOT BILL
TB-LB SAMPLES
4° seals
intact
1 of 2
Remarks

Relinquished By (Signature): Greg Mason Organization: GTEI Date/Time: 1/24
 Relinquished By (Signature): Clayton Eppler Organization: GTEI Date/Time: 1-24-94
 Relinquished By (Signature): John Weber Organization: GTEL Date/Time: 1-24-94
 Received By (Signature): Clayton Eppler Organization: GTEI Date/Time: 1-24-94
 Received By (Signature): John Weber Organization: GTEL Date/Time: 11:00
 Received For Laboratory By (Signature): Kevin Molander Organization: GTEL Date/Time: 1/24/94 4:00

Turn Around Time (Circle Choice)
 24 Hrs.
 48 Hrs.
 6 Days
 10 Days
 As Contracted

hold

N-BOX
TBOX
C4010276

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

Chain-of-Custody-Record

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

Chevron Facility Number 9-5607
Facility Address 5269 Crow Canyon, Castro Valley
Consultant Project Number 020704228, OLO
Consultant Name Groundwater Technology, Inc.
Address 1401 Halyard Dr. #140, W. Sacramento, CA 95891
Project Contact (Name) Bruce Eppler
(Phone) 916-372-4700 (Fax Number)

Chevron Contact (Name) Brett Hunter
(Phone) (510) 544-3422
Laboratory Name GTEL
Laboratory Release Number 8683910
Samples Collected by (Name) Greg Mason
Collection Date 1/21/94
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	Leak (Yes or No)	Analyses To Be Performed											
								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)				
RBC-5	16	1	W	G	15:45	HCl	Y												
C-5	17	3	W	G	15:45	HCl	Y	X											
RBC-7	18	1	W	G	16:00	HCL	Y	X											
C-7	19	3	W	G	16:00	HCL	Y	X											
RBC-2	20	1			16:15		Y												
C-2	21	3			16:15		Y	X											
RBC-15	22	1			16:30		Y												
C-15	23	3			16:30		Y	X											
RBC-12	24	1			16:45		Y												
C-12	25	3			16:45		Y	X											
RBC-1	26	1			17:00		Y												
C-1	27	3			17:00		Y	X											
RBC-3	28	1			17:15		Y												
C-3	29	3			17:15		Y	X											

NOTE:
Do NOT BILL
TB-LB SAMPLES
4° seals
intact
2 of 2
Remarks

N BOX
T BOX
C4010296

Relinquished By (Signature) <u>RBC-6</u>	1	Organization	<u>GTI</u>	Date/Time	<u>1/30</u>	Received By (Signature)	<u>[Signature]</u>	Organization	<u>GTI</u>	Date/Time	<u>1/30</u>
Relinquished By (Signature) <u>Greg Mason</u>	2	Organization	<u>GTI</u>	Date/Time	<u>1/24/94</u>	Received By (Signature)	<u>Chevron Complex</u>	Organization	<u>GTI</u>	Date/Time	<u>1/24/94</u>
Relinquished By (Signature) <u>Chevron Complex</u>	3	Organization	<u>GTI</u>	Date/Time	<u>1-24-94</u>	Received For Laboratory By (Signature)	<u>Jane Weber</u>	Organization	<u>GTEL</u>	Date/Time	<u>1-24-94</u>

Turn Around Time (Circle Choice)

24 Hrs.
48 Hrs.
6 Days
10 Days
As Controlled