Chevron

April 19, 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

Ms. Juliet Shin
Alameda County Health Care Services
Department of Environmental Health
80 Swan Way, Room 200
Oakland, CA 94621

Re: Chevron Service Station #9-0290
1802 Webster Street, Alameda, CA

Dear Ms. Shin:

Enclosed is the quarterly Groundwater Monitoring and Sampling Activities report dated February 25, 1994, prepared by our consultant Groundwater Technology, Inc. for the above referenced site. As indicated in the report, ground water samples collected were analyzed for total petroleum hydrocarbons as gasoline (TPH-G), total petroleum hydrocarbons as diesel (TPH-D), and BTEX. Benzene was detected in monitor wells B-1, B-3, and B-4 at concentrations of 6500, 430, and 1900 ppb, respectively. Depth to ground water was measured at approximately 4.9 to 7.0 feet below grade and the direction of flow is to the north.

Separate phase hydrocarbons (SPH) are being removed on a weekly basis from monitor wells A-1 and A-2. Absorbent pads are currently employed to remove the SPH due to its viscous nature. A summary of the baling program is presented in Tables 1 and 2 of the enclosed report.

We have received your letter of October 14, 1993, requesting confirmation whether the 8" sewer main located in Webster Street is or is not providing a conduit for the migration of hydrocarbons in ground water. We appreciate this information being brought to our attention, however we do not believe the sewer line is acting as a conduit for the following reasons:

1) The historical direction of ground water flow is parallel, not perpendicular, to the sewer line and therefore does not intercept the sewer line.
2) Low permeability sediments underlay the site and restrict hydrocarbon migration in ground water. This is confirmed by downgradient monitor well B-5.
3) All monitoring data gathered to date indicates that the plume is long and narrow in nature.

In conjunction with reconstruction activities at the site, the waste oil tank was recently removed. A report documenting the tank removal will be forwarded to your office shortly. It may become necessary to relocate and/or abandon some of the wells at the site to allow for the installation of new product piping. I will keep your office informed of our activities regarding the monitor wells.

If you have any questions or comments, please do not hesitate 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. Eddy So, RWQCB - Bay Area
Mr. S.A. Willer

Ms. Louise Van De Deere
Housing Authority of the City of Alameda
701 Atlantic Avenue
Alameda, CA 94501

File: 9-0290 QM3

MAR 3 '94 J.M.M.

GROUNDWATER TECHNOLOGY, INC.

4057 Port Chicago Highway, Concord, CA 94520 (415) 671-2387
FAX: (415) 685-9148

February 25, 1994 Project No. 020104098

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

SUBJECT: *Groundwater Monitoring and Sampling Activities*
Chevron Service Station No. 9-0290
1802 Webster Street, Alameda, California

Dear Mr. Miller:

Groundwater Technology, Inc. presents the attached quarterly groundwater monitoring and sampling data collected on January 17, 1994. Eight of the ten 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 hydrocarbons were detected in monitoring wells A-1 and A-2. Groundwater Technology has been removing product on a weekly basis from wells A-1 and A-2. A potentiometric surface map and a summary of groundwater monitoring data are presented in Attachments 1 and 2, respectively. After the DTW was measured, each monitoring well was purged and sampled, except wells A-1 and A-2. Field data sheets are presented in Attachment 3. The groundwater samples were analyzed for benzene, toluene, ethylbenzene, and xylenes; total petroleum hydrocarbons-as-gasoline; and total petroleum hydrocarbons-as-diesel fuel. Results of the chemical analyses are summarized in Table 3. 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.
Written/Submitted by

Tim Watchers
Project Manager

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

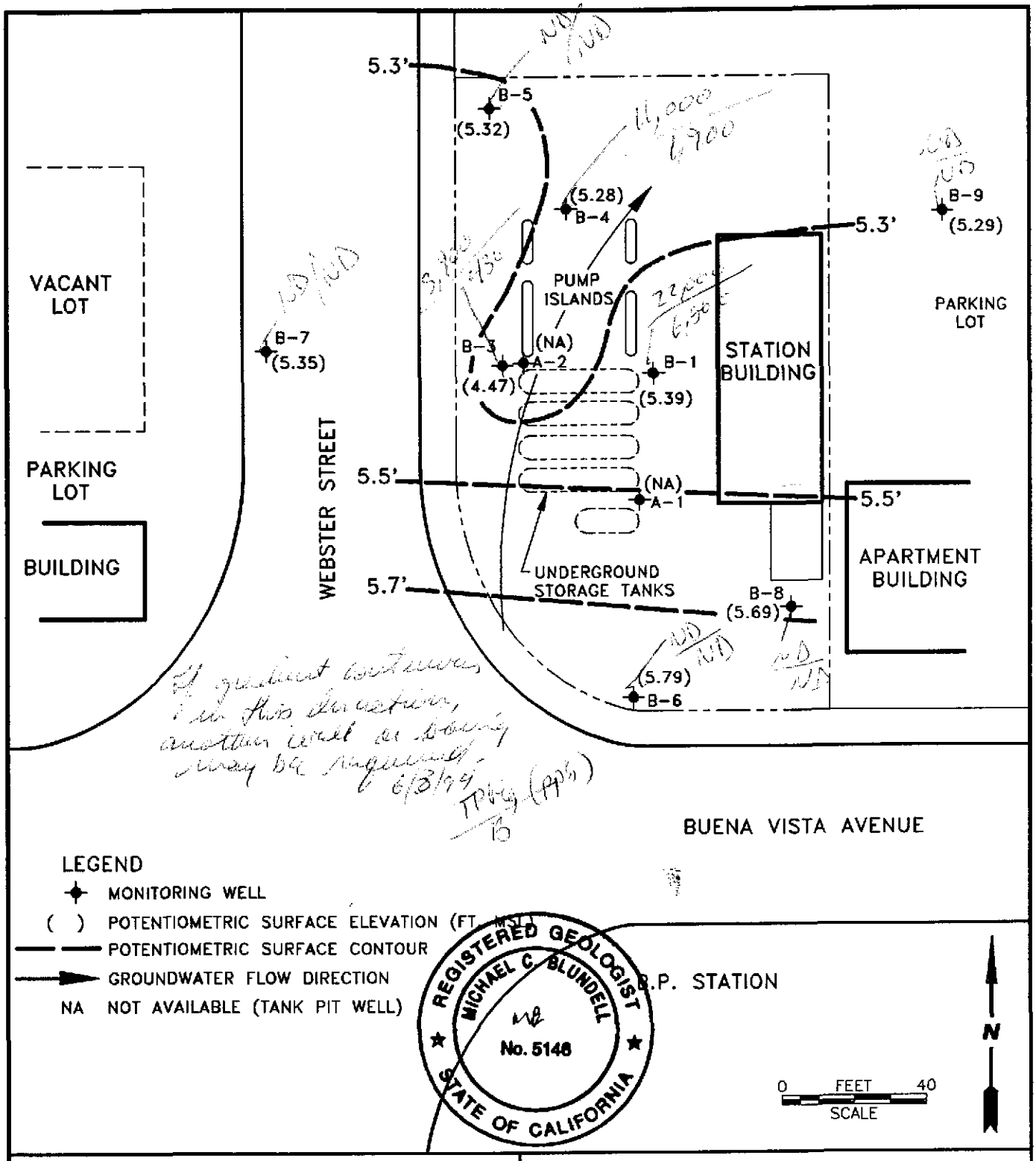
PR

Attachment 1 Figures
Attachment 2 Tables
Attachment 3 Field Data Sheets
Attachment 4 Laboratory Report

4098R033.020

ATTACHMENT 1

Figure



GROUNDWATER TECHNOLOGY
4057 PORT CHICAGO HWY.
CONCORD, CA 94520
(510) 671-2387

POTENTIOMETRIC SURFACE MAP (1/17/94)

CLIENT:	LOCATION:	REV. NO.:	DATE:
CHEVRON U.S.A. PRODUCTS CO. SERVICE STATION No. 9-0290	1802 WEBSTER STREET ALAMEDA, CALIFORNIA	0	2/24/94

PM	PE/RG	DESIGNED	DETAILED	ACAD FILE:	PROJECT NO.:	FIGURE:
JDW	mpr	TW	ML	PSM11794	020102974	1

ATTACHMENT 2

Tables

TABLE 1
SEPARATE-PHASE HYDROCARBONS BAILED
MONITORING WELL A-1
Chevron Service Station No. 9-0290
1802 Webster Street, Alameda, California

Date	Amount Product Bailed (gallons)	Total Product Bailed (gallons)
06/11/93	2 gallons	2.00
06/15/93	0.13	2.13
06/18/93	0.13	2.26
06/22/93	0.5 gallon	2.76
06/29/93	*	2.76
07/09/93	**	2.76
07/15/93	***	2.76
07/20/93	***	2.76
07/27/93	***	2.76
08/06/93	***	2.76
08/10/93	***	2.76
08/16/93	***	2.76
09/16/93	***	2.76
09/24/93	***	2.76
10/01/93	***	2.76
10/07/93	***	2.76
10/13/93	***	2.76
10/20/93	***	2.76
10/28/93	***	2.76
11/12/93	***	0.00
11/19/94	***	0.00
11/30/93	***	0.00
12/10/93	***	0.00
12/16/93	**	0.00
12/23/93	***	0.00
12/29/93	**	0.00
01/03/94	***	0.00
01/17/94	***	0.00

* = Absorbent pad installed to collect separate-phase product
** = Absorbent pads turned over
*** = Replaced absorbent pad

TABLE 2
SEPARATE-PHASE HYDROCARBONS BAILED
MONITORING WELL A-2
Chevron Service Station No. 9-0290
1802 Webster Street, Alameda, California

Date	Amount Product Bailed (gallons)	Total Product Bailed (gallons)
06/11/93	1.00	1.00
06/15/93	0.13	1.13
06/18/93	0.26	1.39
06/22/93	0.50	1.89
06/29/93	*	1.89
07/09/93	**	1.89
07/15/93	***	1.89
07/20/93	***	1.89
/07/2793	***	1.89
08/06/93	***	1.89
08/10/93	***	1.89
08/16/93	***	1.89
09/16/93	***	1.89
09/24/93	***	1.89
10/01/93	***	1.89
10/07/93	***	1.89
10/13/93	***	1.89
10/20/93	***	1.89
10/28/93	***	1.89
11/12/93	***	0.00
11/19/93	***	0.00
11/30/93	***	0.00
12/10/93	**	0.00
12/16/93	***	0.00
12/23/93	***	0.00
12/29/93	***	0.00
01/03/94	***	0.00
01/17/94	***	0.00

* = Absorbent pad installed to collect separate-phase product
** = Absorbent pads turned over
*** = Replaced absorbent pad

TABLE 3
HISTORICAL GROUNDWATER MONITORING AND ANALYTICAL RESULTS
Chevron Service Station No. 9-0290
1802 Webster Street, Alameda, California

Well ID/ Elev	Date	TPH-G	Benzene	Toluene	Ethyl-benzene	Xylenes	TOG	TPH-D	DTW (ft)	SPT (ft)	WTE (ft)
A1	09/20/91	---	---	---	---	---	---	---	9.23	1.58	0.48
8.13	10/09/91	---	---	---	---	---	---	---	6.67	0.00	1.46
	10/17/91	---	---	---	---	---	---	---	7.28	0.58	1.43
	10/23/91	---	---	---	---	---	---	---	7.42	0.65	1.36
	11/01/91	---	---	---	---	---	---	---	7.14	0.50	1.49
	11/07/91	---	---	---	---	---	---	---	7.14	0.51	1.50
	11/15/91	---	---	---	---	---	---	---	7.19	0.53	1.47
	11/21/91	---	---	---	---	---	---	---	7.28	0.54	1.28
	12/12/91	---	---	---	---	---	---	---	7.33	0.49	1.29
	12/30/91	---	---	---	---	---	---	---	6.76	0.36	1.73
	01/13/92	---	---	---	---	---	---	---	6.29	0.37	2.21
	01/22/92	---	---	---	---	---	---	---	6.43	0.45	2.15
	02/12/92	---	---	---	---	---	---	---	6.30	0.38	2.21
	03/09/92	---	---	---	---	---	---	---	5.30	0.31	3.14
	04/10/92	---	---	---	---	---	---	---	5.37	0.07	2.83
	05/18/92	---	---	---	---	---	---	---	6.14	0.40	2.39
	01/06/93	---	---	---	---	---	---	---	---	---	---
	02/03/93	---	---	---	---	---	---	---	---	---	---
11.56	04/23/93	---	---	---	---	---	---	---	5.85	0.60	6.19
	07/19/93	---	---	---	---	---	---	---	6.23	0.26	5.54
	10/19/93	---	---	---	---	---	---	---	---	0.10	---
	01/17/94	---	---	---	---	---	---	---	---	---	---

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Chevron Service Station No. 9-0290
1802 Webster Street, Alameda, California

Well ID/ Elev	Date	TPH-G	Benzene	Toluene	Ethyl-benzene	Xylenes	TOG	TPH-D	DTW (ft)	SPT (ft)	WTE (ft)
A-2	09/20/91	8,100	860	14	110	53	---	**5,100	7.73	0.00	0.27
8.00	10/09/91	---	---	---	---	---	---	---	6.61	0.00	1.39
	10/17/91	---	---	---	---	---	---	---	6.66	0.00	1.34
	10/23/91	---	---	---	---	---	---	---	6.80	0.09	1.29
	11/01/91	---	---	---	---	---	---	---	6.63	0.15	1.45
	11/07/91	---	---	---	---	---	---	---	6.64	0.21	1.45
	11/15/91	---	---	---	---	---	---	---	6.81	0.19	1.38
	11/21/91	---	---	---	---	---	---	---	6.93	0.24	1.31
	12/12/91	---	---	---	---	---	---	---	6.97	0.15	1.24
	12/30/91	---	---	---	---	---	---	---	6.54	0.24	1.70
	01/13/92	---	---	---	---	---	---	---	5.92	0.08	2.16
	01/22/92	---	---	---	---	---	---	---	6.01	0.10	2.00
	02/12/92	---	---	---	---	---	---	---	6.06	0.26	2.20
	03/09/92	---	---	---	---	---	---	---	4.93	0.04	3.11
	04/10/92	---	---	---	---	---	---	---	5.20	<0.01	2.80
	05/18/92	---	---	---	---	---	---	---	5.66	0.02	2.36
	01/06/93	---	---	---	---	---	---	---	---	---	---
	02/03/93	---	---	---	---	---	---	---	4.98	0.22	3.20
11.46	04/23/93	---	---	---	---	---	---	---	5.36	0.18	6.24
	07/19/93	---	---	---	---	---	---	---	6.79	1.07	5.53
	10/19/93	---	---	---	---	---	---	---	6.36	1.41	6.23
	01/17/94	---	---	---	---	---	---	---	---	---	---
B-1	04/23/93	13,000	4,900	22	250	47	---	8,300	5.93	0.00	6.19
12.12	07/19/93	3,300	1,200	16	24	<30	---	1,600	6.66	0.00	5.46
	10/19/93	2,300	730	18	14	31	---	550	7.08	0.00	5.04
	01/17/94	22,000	6,500	170	210	430	---	<50	6.73	0.00	5.39

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1802 Webster Street, Alameda, California

Well ID/ Elev	Date	TPH-G	Benzene	Toluene	Ethyl-benzene	Xylenes	TOG	TPH-D	DTW (ft)	SPT (ft)	WTE (ft)
B-3	09/20/91	---	---	---	---	---	---	---	6.94	0.01	1.08
8.01	10/09/91	---	---	---	---	---	---	---	6.35	0.00	1.66
	10/17/91	---	---	---	---	---	---	---	6.44	0.00	1.57
	10/23/91	---	---	---	---	---	---	---	6.84	0.00	1.53
	11/01/91	---	---	---	---	---	---	---	6.31	0.00	1.70
	11/07/91	---	---	---	---	---	---	---	6.32	0.00	1.69
	11/15/91	---	---	---	---	---	---	---	6.39	0.00	1.62
	11/21/91	---	---	---	---	---	---	---	6.44	0.00	1.57
	12/12/91	---	---	---	---	---	---	---	6.82	<0.01	1.19
	12/30/91	---	---	---	---	---	---	---	6.37	0.00	1.64
	01/13/92	---	---	---	---	---	---	---	5.94	0.00	2.07
	01/22/92	---	---	---	---	---	---	---	5.99	0.00	2.02
	02/12/92	---	---	---	---	---	---	---	5.82	<0.01	2.19
	03/09/92	---	---	---	---	---	---	---	5.10	0.00	2.91
	04/10/92	---	---	---	---	---	---	---	5.36	0.00	2.65
	05/18/92	6,200	550	58	13	51	<5,000	**250	5.72	0.00	2.29
	01/06/93	5,400	490	54	51	82	---	***10,000	5.50	SHEEN	2.51
	02/03/93	---	---	---	---	---	---	---	---	---	---
11.42	04/23/93	18,000	540	69	47	120	---	6,400	5.32	0.00	6.10
	07/29/93	40,000	780	69	49	150	---	4,000	5.94	0.00	5.48
	10/19/93	20,000	520	37	43	100	---	1,500	6.32	0.00	5.10
	01/17/94	3,900	430	32	29	82	---	<50	6.95	0.00	4.47

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1802 Webster Street, Alameda, California

Well ID/ Elev	Date	TPH-G	Benzene	Toluene	Ethyl-benzene	Xylenes	TOG	TPH-D	DTW (ft)	SPT (ft)	WTE (ft)
B-4	09/20/91	19,000	710	160	650	2,000	---	*1,400	6.82	0.00	1.22
8.04	10/09/91	---	---	---	---	---	---	---	6.63	0.00	1.41
	10/17/91	---	---	---	---	---	---	---	6.84	0.00	1.20
	10/23/91	---	---	---	---	---	---	---	6.87	0.00	1.17
	11/01/91	---	---	---	---	---	---	---	6.70	0.00	1.34
	11/07/91	---	---	---	---	---	---	---	6.73	0.00	1.31
	11/15/91	---	---	---	---	---	---	---	6.83	0.00	1.21
	11/21/91	---	---	---	---	---	---	---	6.84	0.00	1.20
	12/12/91	---	---	---	---	---	---	---	6.87	0.00	1.17
	12/30/91	---	---	---	---	---	---	---	6.46	0.00	1.58
	01/13/92	---	---	---	---	---	---	---	5.91	0.00	2.13
	01/22/92	---	---	---	---	---	---	---	5.95	0.00	2.09
	02/12/92	15,000	920	75	520	940	---	*860	5.78	0.00	2.26
	03/09/92	---	---	---	---	---	---	---	5.09	0.00	2.95
	04/10/92	---	---	---	---	---	---	---	5.39	0.00	2.65
	05/18/92	19,000	2,000	97	560	1,200	<5,000	<50	5.59	0.00	2.45
	01/06/93	19,000	2,000	89	490	740	---	*2,700	5.50	SHEEN	2.54
	02/03/93	---	---	---	---	---	---	---	---	---	---
11.46	04/23/93	5,700	2,400	75	380	580	---	2,300	5.39	0.00	6.07
	07/19/93	19,000	2,400	140	440	620	---	2,400	6.13	0.00	5.33
	10/19/93	13,000	1,200	84	290	530	---	2,100	6.51	0.00	4.95
	01/17/94	11,000	1,900	63	170	290	---	<50	6.18	0.00	5.28

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Well ID/ Elev	Date	TPH-G	Benzene	Toluene	Ethyl-benzene	Xylenes	TOG	TPH-D	DTW (ft)	SPT (ft)	WTE (ft)
B-5	09/20/91	<50	<0.5	<0.5	<0.5	<0.5	---	<50	5.53	0.00	2.20
7.73	10/09/91	---	---	---	---	---	---	---	5.31	0.00	2.42
	10/17/91	---	---	---	---	---	---	---	5.64	0.00	2.09
	10/23/91	---	---	---	---	---	---	---	5.68	0.00	2.05
	11/01/91	---	---	---	---	---	---	---	5.49	0.00	2.24
	11/07/91	---	---	---	---	---	---	---	5.54	0.00	2.19
	11/15/91	---	---	---	---	---	---	---	5.63	0.00	2.10
	11/21/91	---	---	---	---	---	---	---	---	---	---
	12/12/91	---	---	---	---	---	---	---	5.68	0.00	2.05
	12/30/91	---	---	---	---	---	---	---	5.19	0.00	2.54
	01/13/92	---	---	---	---	---	---	---	4.65	0.00	3.07
	01/22/92	---	---	---	---	---	---	---	4.70	0.00	3.03
	02/12/92	<50	<0.5	<0.5	<0.5	<0.5	---	<50	4.45	0.00	3.28
	03/09/92	---	---	---	---	---	---	---	4.05	0.00	3.68
	04/10/92	---	---	---	---	---	---	---	4.43	0.00	3.30
	05/18/92	390	39	1.9	11	24	<5,000	---	3.79	0.00	3.94
	01/06/93	<50	<0.5	<0.5	<0.5	<0.5	---	<50	4.44	SHEEN	3.29
	02/03/93	---	---	---	---	---	---	---	---	---	---
10.18	04/23/93	<50	<0.5	<0.5	<0.5	<1.5	---	<50	4.32	0.00	5.86
	07/19/93	54	<0.5	0.7	<0.5	<1.5	---	<50	5.03	0.00	5.15
	10/19/93	<50	2.0	4.1	0.6	3.5	---	<50	5.10	0.00	5.08
	01/17/94	<50	<0.5	<0.5	<0.5	<0.5	---	<50	4.86	0.00	5.32

TABLE 3
HISTORICAL GROUNDWATER MONITORING AND ANALYTICAL RESULTS
Chevron Service Station No. 9-0290
1802 Webster Street, Alameda, California

Well ID/ Elev	Date	TPH-G	Benzene	Toluene	Ethyl-benzene	Xylenes	TOG	TPH-D	DTW (ft)	SPT (ft)	WTE (ft)
B-6	09/20/91	<50	<0.5	<0.5	<0.5	<0.5	---	<50	6.85	0.00	1.70
8.55	10/09/91	---	---	---	---	---	---	---	6.83	0.00	1.72
	10/17/91	---	---	---	---	---	---	---	6.90	0.00	1.65
	10/23/91	---	---	---	---	---	---	---	6.93	0.00	1.62
	11/01/91	---	---	---	---	---	---	---	6.78	0.00	1.77
	11/07/91	---	---	---	---	---	---	---	6.81	0.00	1.74
	11/15/91	---	---	---	---	---	---	---	6.88	0.00	1.67
	11/21/91	---	---	---	---	---	---	---	6.95	0.00	1.60
	12/12/91	---	---	---	---	---	---	---	7.14	0.00	1.41
	12/30/91	---	---	---	---	---	---	---	6.50	0.00	2.05
	01/13/92	---	---	---	---	---	---	---	6.19	0.00	2.36
	01/22/92	---	---	---	---	---	---	---	6.27	0.00	2.28
	02/12/92	<50	<0.5	<0.5	<0.5	<0.5	---	<50	6.12	0.00	2.43
	03/09/92	---	---	---	---	---	---	---	5.28	0.00	3.27
	04/10/92	---	---	---	---	---	---	---	5.48	0.00	3.07
	05/18/92	<50	<0.5	<0.5	<0.5	<0.5	<5,000	<50	5.90	0.00	2.65
	01/06/93	<50	<0.5	<0.5	<0.5	<0.5	---	<50	5.79	0.00	2.76
	02/03/93	---	---	---	---	---	---	---	---	---	---
11.97	04/23/93	<50	<0.5	<0.5	<0.5	<1.5	---	<50	5.27	0.00	6.70
	07/19/93	74	<0.5	<0.5	<0.5	<1.5	---	<50	6.91	0.00	5.06
	10/19/93	<50	<0.5	0.5	<0.5	2.2	---	<50	6.48	0.00	5.49
	01/17/94	<50	<0.5	<0.5	<0.5	<0.5	---	<50	6.18	0.00	5.79
B-7	04/23/93	<50	<0.5	<0.5	<0.5	<1.5	<50	---	4.52	0.00	6.02
10.54	07/19/93	<50	<0.5	<0.5	<0.5	<1.5	<50	<50	5.04	0.00	5.50
	10/19/93	<50	3.1	<0.5	<0.5	0.8	---	<50	5.40	0.00	5.14
	01/17/94	<50	<0.5	<0.5	<0.5	<0.5	---	<50	5.19	0.00	5.35
B-8	04/23/93	<50	<0.5	<0.5	<0.5	<1.5	<50	---	5.36	0.00	6.63
11.99	07/19/93	<50	<0.5	<0.5	<0.5	<1.5	<50	<50	6.22	0.00	5.77
	10/19/93	---	---	---	---	---	---	---	Dry	---	---
	01/17/94	<50	<0.5	<0.5	<0.5	<0.5	---	<50	6.30	0.00	5.69

TABLE 3
HISTORICAL GROUNDWATER MONITORING AND ANALYTICAL RESULTS
Chevron Service Station No. 9-0290
1802 Webster Street, Alameda, California

Well ID/ Elev	Date	TPH-G	Benzene	Toluene	Ethyl-benzene	Xylenes	TOG	TPH-D	DTW (ft)	SPT (ft)	WTE (ft)
B-9	04/23/93	<50	<0.5	<0.5	<0.5	<1.5	<50	---	4.56	0.00	6.14
10.70	07/19/93	<50	<0.5	<0.5	<0.5	<1.5	<50	<50	5.45	0.00	5.25
	10/19/93	<50	<0.5	<0.5	<0.5	<0.5	---	<50	5.89	0.00	4.81
	01/17/94	<50	<0.5	<0.5	<0.5	<0.5	---	<50	5.41	0.00	5.29

TABLE 3
HISTORICAL GROUNDWATER MONITORING AND ANALYTICAL RESULTS
Chevron Service Station No. 9-0290
1802 Webster Street, Alameda, California

Well ID/ Elev	Date	TPH-G	Benzene	Toluene	Ethyl-benzene	Xylenes	TOG	TPH-D	DTW (ft)	SPT (ft)	WTE (ft)
TRIP BLANK	01/06/93	<50	<0.5	<0.5	<0.5	<0.5	---	---	---	---	----
	04/23/93	---	---	---	---	---	---	---	---	---	---
	****07/19/93	---	---	---	---	---	---	---	---	---	---
	10/19/93	<50	<0.5	<0.5	<0.5	<0.5	---	---	---	---	---
	01/17/94	<50	<0.5	0.7	<0.5	<0.5	---	---	---	---	---
Rinsate	01/17/94	<50	<0.5	<0.5	<0.5	<0.5	---	---	---	---	---

TPH-G = Total petroleum hydrocarbons-as-gasoline
TPH-D = Total petroleum hydrocarbons-as-diesel fuel
DTW = Depth to water
SPT = Separate-phase hydrocarbon thickness
WTE = Water table elevation in feet above mean sea level
TOG = Total oil and grease
--- = Not applicable/not sampled/not measured
* = Diesel fuel range concentration reported. The pattern of peaks observed in the chromatogram is typical of gasoline.
** = Does not match typical diesel patterns
*** = Diesel fuel range concentration reported. The pattern of peaks observed in the chromatogram is a mixture of gasoline and heavy hydrocarbons.
**** = Trip blank contaminated in lab; no back-up trip blank was carried.
Analytical results in micrograms/liter (µ/l), parts per billion

ATTACHMENT 3

Field Data Sheets

Project Name: Chevron - Webster St.

Date: 1-17-94

Site Address: 1802 Webster St., Oakland

Page 1 **of** 8

Project Number: 0201204098.0610

Project Manager: Tim Watchers

Well ID: B-7

Well Diameter: 2

DTW Measurements:
Initial: _____ Calc Well Volume: _____ gal
Recharge: _____ Well Volume: 5 gal

Purge Method
Peristaltic_____
Gear Drive_____
Submersible_____

Pump Depth_____ ft.
Hand Bailed X
Air Lift_____
Other_____

Instruments Used
YSI: X
Hydac: /
Omega:_____
Other:_____

Time	Temp X C / F	Conductivity	pH	Purge Volume Gallons	Turbidity	Comments
8:13	16.7	0.57	6.37	0		CLEAR/NO ODOR
8:14	15.9	0.56	7.17	1		VERY SILTY
8:15	15.7	0.55	7.18	2		↓
8:16	15.6	0.55	7.18	3		↓
8:17	15.4	0.54	7.19	4		↓ DRY @ 4 gal
				5		

Project Name: Chevron - Webster St.

Site Address: 1802 Webster St., Oakland

Project Number: 0201204098.0610

Date: 1-17-94

Page 2 of 8

Project Manager: Tim Watchers

Well ID: B-9

Well Diameter: 2

DTW Measurements:
Initial: _____ Calc Well Volume: _____ gal
Recharge: _____ Well Volume: 5 gal

Purge Method
Peristaltic _____
Gear Drive _____
Submersible _____

Pump Depth _____ ft.
Hand Bailed X
Air Lift _____
Other _____

Instruments Used
YSI: X
Hydac: _____
Omega: _____
Other: _____

Time	Temp ~~C~~ C / F	Conductivity	pH	Purge Volume Gallons	Turbidity	Comments
8:28	16.2	1.14	6.78	0		BROWN SILTY
8:29	16.6	1.16	6.82	1		NO ODOR
8:30	16.9	1.15	6.82	2		↓
8:31	17.0	1.14	6.86	3		
8:33	16.4	1.13	6.89	4		
8:34	16.9	1.11	6.89	5		

Project Name: Chevron - Webster St.

Site Address: 1802 Webster St., Oakland

Project Number: 0201204098.0610

Date: 1-11-94

Page 3 **of** 8

Project Manager: Tim Watchers

Well ID: B-8

Well Diameter: 2

DTW Measurements:
Initial: _____ Calc Well Volume: _____ gal
Recharge: _____ Well Volume: 4 gal

Purge Method
Peristaltic _____
Gear Drive _____
Submersible _____

Pump Depth _____ ft.
Hand Bailed X
Air Lift _____
Other _____

Instruments Used
YSI: X
Hydac: _____
Omega: _____
Other: _____

Time	Temp C / F	Conductivity	pH	Purge Volume Gallons	Turbidity	Comments
8:46	16.2	0.63	6.55	0		BROWN SILTY
8:48	18.1	0.65	6.49	1		
8:49	17.9	0.65	6.47	2		
8:50	17.2	0.65	6.48	3		DRY @ 3 gal
				4		

Project Name: Chevron - Webster St.

Site Address: 1802 Webster St., Oakland

Project Number: 0201204098.0610

Date: 1-11-94

Page 4 of 8

Project Manager: Tim Watchers

Well ID: B-6

Well Diameter: 2

DTW Measurements:
Initial: _____ Calc Well Volume: _____ gal
Recharge: _____ Well Volume: 5 gal

Purge Method
Peristaltic _____
Gear Drive _____
Submersible _____

Pump Depth _____ ft.
Hand Bailed X
Air Lift _____
Other _____

Instruments Used
YSI: X
Hydac: _____
Omega: _____
Other: _____

Time	Temp C / F	Conductivity	pH	Purge Volume Gallons	Turbidity	Comments
9:00	19.0	0.70	6.74	0		SILTY BROWN
9:01	19.7	0.73	6.69	1		NO ODOR
9:02	19.7	0.74	6.67	2		
9:03	19.9	0.76	6.67	3		
9:04	19.7	0.79	6.68	4		
9:05	19.9	0.79	6.66	5		✓

Project Name: Chevron - Webster St.

Date: 1-17-94

Site Address: 1802 Webster St., Oakland

Page 5 **of** 8

Project Number: 0201204098.0610

Project Manager: Tim Watchers

Well ID: B-5

Well Diameter: 2

DTW Measurements:
Initial: ______
Recharge: ______

Calc Well Volume: ______ gal
Well Volume: 6 gal

Purge Method
Peristaltic ______
Gear Drive ______
Submersible ______

Pump Depth ______ ft.
Hand Bailed X
Air Lift ______
Other ______

Instruments Used
YSI: X
Hydac: ______
Omega: ______

Other: ______

Time	Temp X C / F	Conductivity	pH	Purge Volume Gallons	Turbidity	Comments
9:24	17.8	0.84	6.78	0		Brown/no odor
9:25	17.9	0.85	6.79	1		↓
9:26	18.5	0.87	6.84	2		↓
9:27	18.3	0.89	7.01	3		↓
9:28	17.9	0.88	7.01	4		Dry at 4971
9:29				5		
9:30				6		

Project Name: Chevron - Webster St. **Date:** 1-17-94

Site Address: 1802 Webster St. Oakland **Page** 6 **of** 8

Project Number: 0201204098.0610 **Project Manager:** Tim Watchers

Well ID: B-1

Well Diameter: 2

DTW Measurements:
Initial: _____ Calc Well Volume: _____ gal
Recharge: _____ Well Volume: 5 gal

Purge Method
Peristaltic_____
Gear Drive_____
Submersible_____

Pump Depth_____ ft.
Hand Bailed X
Air Lift_____
Other_____

Instruments Used
YSI: Y
Hydac: Y
Omega:_____
Other:_____

Time	Temp X C / F	Conductivity	pH	Purge Volume Gallons	Turbidity	Comments
10:00	17.3	1.48	7.02	0		DK GRAY ODOR
10:01	17.4	1.54	6.91	1		
10:02	17.3	1.55	6.90	2		
10:03	18.0	1.51	6.94	3		
10:04	18.0	1.53	6.89	4		
10:05	17.6	1.53	6.90	5		
10:07	18.0	1.50	6.89	6		↓

Project Name: Chevron - Webster St.

Date: 1-17-94

Site Address: 1802 Webster St., Oakland

Page 1 of 8

Project Number: 0201204098.0610

Project Manager: Tim Watchers

Well ID: B-4

Well Diameter: 2

DTW Measurements:
Initial: _____ Calc Well Volume: _____ gal
Recharge: _____ Well Volume: 4 gal

Purge Method
Peristaltic_____
Gear Drive_____
Submersible_____

Pump Depth_____ft.
Hand Bailed X
Air Lift_____
Other_____

Instruments Used
YSI: Y
Hydac: _____
Omega: _____
Other: _____

Time	Temp ~~C~~ F	Conductivity	pH	Purge Volume Gallons	Turbidity	Comments
9:35	17.7	0.61	6.67	0		DRK GREY
9:36	17.2	0.61	6.75	1		
9:37	17.6	1.03	6.89	2		
9:38	18.0	1.03	6.83	3		
9:39	18.1	1.04	6.84	4		

Project Name: Chevron - Webster St.

Date: 1-17-94

Site Address: 1802 Webster St., Oakland

Page 8 of 8

Project Number: 0201204098.0610

Project Manager: Tim Watchers

Well ID: B-3

Well Diameter: _____

DTW Measurements:
Initial: _____ Calc Well Volume: _____ gal
Recharge: _____ Well Volume: 5 gal

Purge Method
Peristaltic _____
Gear Drive _____
Submersible _____

Pump Depth _____ ft.
Hand Bailed X
Air Lift _____
Other _____

Instruments Used
YSI: X
Hydac: _____
Omega: _____
Other: _____

Time	Temp ~~C~~ F	Conductivity	pH	Purge Volume Gallons	Turbidity	Comments
9:46	18.0	1.79	6.83	0		DRK GREY ODOR
9:47	18.4	1.06	6.85	1		
9:48	18.1	1.06	6.90	2		
9:49	18.2	1.07	6.92	3		
9:50	18.3	1.07	6.93	4		
9:51	18.4	1.06	6.92	5		↓ DRY @ 5 GAL.
				6		
				7		

2815

WORK REQUEST FORM

START DATE: Weekly
LOCATION: 1802 Webster Street
JOB NUMBER:02020 4098 061099
BILLING NUMBER:same
PROJECT MANAGER: Tim Watchers
REQUESTED START DATE:

VEHICLE ODOM. START:_____
TIME LEFT FOR SITE:_____
SITE ARRIVAL TIME: 12:45
SITE DEPARTURE TIME: 1:00
VEHICLE ODOM. FINISH:_____
11-12-93

****PERSONNEL PERFORMING WORK MUST POSSESS SITE SAFETY PLAN****

Weather Condition: (Circle one) (Sunny) Rain Cloudy Snow **Temp:** 60°

Site Conditions: Buisy (SP)

Equipment Needed: Level D PPE, Safety Vest, absorbant snakes, [redacted]

IP	☐	Sample Bottles	☐	DO Meter	☐
pH Conductivity-Temp Meters	☐	Ice Chests/Ice	☐	Turbidity	☐
Bailers/Twine	☐	Gloves	☐	LEL / O2	☐
Decon Buckets/Rags	☐	FID / OVA	☐	Other	☐
Alconox/Distilled Water	☐	PID / OVM	☐		
Slope Indicator	☐	Drums ___	☐		

Tasks: **Gauging** ☐ **Sampling** ☐ **O&M** ☐ **Well Development** ☐ **Other** ☐

Special Instructions: For monitoring wells A-1 and A-2 replace and turn over snakes as necessary. Place used snakes in drum at site.

Technician's Comments:
These are 6" wells with alot of oil in them. I installed 2 new snakes in each well. Flamable Solid labels were added to the containment drum.

Copies: Nicole Merchant and Tim Watchers

Work Assigned To: Randy

FILE COPY

WORK REQUEST FORM

11/19/93

START DATE: Weekly
LOCATION: 1802 Webster Street
JOB NUMBER:02020 4098 061099
BILLING NUMBER:same
PROJECT MANAGER: Tim Watchers
REQUESTED START DATE: 11/19/93

VEHICLE ODOM. START: 79565
TIME LEFT FOR SITE: 07:15
SITE ARRIVAL TIME: 08:30
SITE DEPARTURE TIME: 0905
VEHICLE ODOM. FINISH: 79593

****PERSONNEL PERFORMING WORK MUST POSSESS SITE SAFETY PLAN****

Weather Condition: (Circle one) Sunny Rain Cloudy Snow **Temp:**

Site Conditions: excellent - OK

Equipment Needed: Level D PPE, Safety Vest, absorbant snakes, [redacted]

IP	☐	Sample Bottles	☐	DO Meter	☐
pH Conductivity-Temp Meters	☐	Ice Chests/Ice	☐	Turbidity	☐
Ballers/Twine	☐	Gloves	☐	LEL / O2	☐
Decon Buckets/Rags	☐	FID / OVA	☐	Other	☐
Alconox/Distilled Water	☐	PID / OVM	☐		
Slope Indicator	☐	Drums ___	☐		

Tasks: **Gauging** ☐ **Sampling** ☐ **O&M** ☐ **Well Development** ☐ **Other** ☒

Special Instructions: For monitoring wells A-1 and A-2 replace and turn over snakes as necessary. Place used snakes in drum at site.

Technician's Comments: changed both snakes 11/19
site manager is upset we canceled well cleanout of product wells. He doesn't want it scheduled on Friday

Copies: Nicole Merchant and Tim Watchers Work Assigned To: G SM

2853

WORK REQUEST FORM

FILE COPY

START DATE: Weekly
LOCATION: 1802 Webster Street
JOB NUMBER:02020 4098 061099
BILLING NUMBER:same
PROJECT MANAGER: Tim Watchers
REQUESTED START DATE: 11-30-93

VEHICLE ODOM. START:
TIME LEFT FOR SITE: 7:30
SITE ARRIVAL TIME: 8:30
SITE DEPARTURE TIME: 9:00
VEHICLE ODOM. FINISH:

****PERSONNEL PERFORMING WORK MUST POSSESS SITE SAFETY PLAN****

Weather Condition: (Circle one) Sunny Rain Cloudy Snow **Temp:** 50°

Site Conditions:

Equipment Needed: Level D PPE, Safety Vest, absorbant snakes, [redacted]

IP	☐	Sample Bottles	☐	DO Meter	☐
pH Conductivity-Temp Meters	☐	Ice Chests/Ice	☐	Turbidity	☐
Bailers/Twine	☐	Gloves	☐	LEL / O2	☐
Decon Buckets/Rags	☐	FID / OVA	☐	Other	☐
Alconox/Distilled Water	☐	PID / OVM	☐		
Slope Indicator	☐	Drums ___	☐		

Tasks: **Gauging** ☐ **Sampling** ☐ **O&M** ☐ **Well Development** ☐ **Other** ☐

Special Instructions: For monitoring wells A-1 and A-2 replace and turn over snakes as necessary. Place used snakes in drum at site.

Technician's Comments:

(3) new snakes were installed.

Copies: Nicole Merchant and Tim Watchers

Work Assigned To: Randy P.

FILE COPY

WORK REQUEST FORM

~~Date~~ 12/10/93

START DATE: Weekly
LOCATION: 1802 Webster Street, Alameda
JOB NUMBER:02020 4098 061099
BILLING NUMBER:same
PROJECT MANAGER: Tim Watchers
REQUESTED START DATE:

VEHICLE ODOM. START:_____
TIME LEFT FOR SITE:_____
SITE ARRIVAL TIME:_____
SITE DEPARTURE TIME:_____
VEHICLE ODOM. FINISH:_____

****PERSONNEL PERFORMING WORK MUST POSSESS SITE SAFETY PLAN****

Weather Condition: (Circle one) Sunny Rain Cloudy Snow **Temp:**

Site Conditions: OVERCAST, clear.

Equipment Needed: Level D PPE, Safety Vest, absorbant snakes, [redacted]

IP	☐	Sample Bottles	☐	DO Meter	☐
pH Conductivity-Temp Meters	☐	Ice Chests/Ice	☐	Turbidity	☐
Bailers/Twine	☐	Gloves	☐	LEL / O2	☐
Decon Buckets/Rags	☐	FID / OVA	☐	Other	☐
Alconox/Distilled Water	☐	PID / OVM	☐		
Slope Indicator	☐	Drums ___	☐		

Tasks: Gauging ☐ Sampling ☐ O&M ☐ Well Development ☐ Other ☐

Special Instructions: For monitoring wells A-1 and A-2 replace and turn over snakes as necessary. Place used snakes in drum at site.

ARRIVED AT 8:00Am left at 8:30

Technician's Comments:
TURNED OVER SNAKES, I PUT THE NEW ONES IN THE DRUM.

Copies: Nicole Merchant and Tim Watchers

Work Assigned To: Maria Merino

5/937

WORK REQUEST FORM

FILE COPY

START DATE: Weekly
LOCATION: 1802 Webster Street
JOB NUMBER:02020 4098 061099
BILLING NUMBER:same
PROJECT MANAGER: Tim Watchers
REQUESTED START DATE: 12/16/93

VEHICLE ODOM. START:
TIME LEFT FOR SITE:
SITE ARRIVAL TIME: 1430
SITE DEPARTURE TIME: 1500
VEHICLE ODOM. FINISH:

****PERSONNEL PERFORMING WORK MUST POSSESS SITE SAFETY PLAN****

Weather Condition: (Circle one) Sunny Rain Cloudy Snow **Temp:** 55°

Site Conditions: CLEAN

Equipment Needed: Level D PPE, Safety Vest, absorbent pads, old product bailer

IP	☐	Sample Bottles	☐	DO Meter	☐
pH Conductivity-Temp Meters	☐	Ice Chests/Ice	☐	Turbidity	☐
Bailers/Twine	☐	Gloves	☐	LEL / O2	☐
Decon Buckets/Rags	☐	FID / OVA	☐	Other	☐
Alconox/Distilled Water	☐	PID / OVM	☐		
Slope Indicator	☐	Drums ___	☐		

Tasks: **Gauging** ☐ **Sampling** ☐ **O&M** ☐ **Well Development** ☐ **Other** ☐

Special Instructions: Monitoring wells A-1 and A-2 contain absorbent pads. Replace or turn these pads over as they become saturated with diesel fuel. Measure thickness of product if possible. Place absorbent pads in barrell located at the site (barrell should be labeled and have other used absorbent pads in it). Double check and make sure well is secured before leaving.

Do not do on a Friday because the station manager has made clear that Fridays are his busiest day and doesn't want work (GTI) done.

Technician's Comments:

REMOVED SNAKES FROM A1 & A2, PLACED OLD SNAKES IN 55 GAL DRUM ON SITE. PLACED TWO (2) NEW SNAKES IN A1 AND TWO (2) IN A-2. SECURED BOTH WELLS. COULD NOT MEASURE PRODUCT THICKNESS BECAUSE PRODUCT WAS TOO THICK AND WOULD NOT ALLOW IP TO ACCURATELY MEASURE THE WATER LEVEL, OR THE PRODUCT SEPERATE [redacted] FACE.

Copies: Nicole Merchant and Tim Watchers **Work Assigned To:** A. Smith

12/23/93

WORK REQUEST FORM

FILE COPY

START DATE: Weekly
LOCATION: 1802 Webster Street
JOB NUMBER:02020 4098 061099
BILLING NUMBER:same
PROJECT MANAGER: Tim Watchers
REQUESTED START DATE:

VEHICLE ODOM. START: 0 1187
TIME LEFT FOR SITE: 12:15
SITE ARRIVAL TIME: 18:00
SITE DEPARTURE TIME: 13:30
VEHICLE ODOM. FINISH: 01234

****PERSONNEL PERFORMING WORK MUST POSSESS SITE SAFETY PLAN****

Weather Condition: (Circle one) Sunny Rain Cloudy Snow **Temp:**

Site Conditions: SUNNY, 60°, SITE CLEAN, BUSY !!

Equipment Needed: Level D PPE, Safety Vest, absorbent pads, old product bailer

IP	☐	Sample Bottles	☐	DO Meter	☐
pH Conductivity-Temp Meters	☐	Ice Chests/Ice	☐	Turbidity	☐
Bailers/Twine	☐	Gloves	☐	LEL / O2	☐
Decon Buckets/Rags	☐	FID / OVA	☐	Other	☐
Alconox/Distilled Water	☐	PID / OVM	☐		
Slope Indicator	☐	Drums ___	☐		

Tasks: **Gauging** ☐ **Sampling** ☐ **O&M** ☐ **Well Development** ☐ **Other** ☐

Special Instructions: Monitoring wells A-1 and A-2 contain absorbent pads. Replace or turn these pads over as they become saturated with diesel fuel. Measure thickness of product if possible. Place absorbent pads in barrell located at the site (barrell should be labeled and have other used absorbent pads in it). Double check and make sure well is secured before leaving.

Do not do on a Friday because the station manager has made clear that Fridays are his busiest day and doesn't want work (GTI) done.

Technician's Comments:

REVERSED PADS IN A1, REPLACED PADS IN A2. UNABLE TO MEASURE PT DUE TO IP MALFUNCTION.

NOTE ACCUMULATION START DATE ON DRUM IS 6-11-93

Copies: Nicole Merchant and Tim Watchers

Work Assigned To: Scott Allen

12/29/93

WORK REQUEST FORM

FILE COPY

START DATE: Weekly
LOCATION: 1802 Webster Street
JOB NUMBER:02020 4098 061099
BILLING NUMBER:same
PROJECT MANAGER: Tim Watchers
REQUESTED START DATE:

VEHICLE ODOM. START:_____
TIME LEFT FOR SITE:_____
SITE ARRIVAL TIME:_____
SITE DEPARTURE TIME:_____
VEHICLE ODOM. FINISH:_____

****PERSONNEL PERFORMING WORK MUST POSSESS SITE SAFETY PLAN****

Weather Condition: (Circle one) Sunny Rain Cloudy Snow **Temp:**_____

Site Conditions:_____

Equipment Needed: Level D PPE, Safety Vest, absorbent pads, old product bailer

IP	☐	Sample Bottles	☐	DO Meter	☐
pH Conductivity-Temp Meters	☐	Ice Chests/Ice	☐	Turbidity	☐
Bailers/Twine	☐	Gloves	☐	LEL / O2	☐
Decon Buckets/Rags	☐	FID / OVA	☐	Other	☐
Alconox/Distilled Water	☐	PID / OVM	☐		
Slope Indicator	☐	Drums___	☐		

Tasks: Gauging ☐ **Sampling** ☐ **O&M** ☐ **Well Development** ☐ **Other** ☐

Special Instructions: Monitoring wells A-1 and A-2 contain absorbent pads. Replace or turn these pads over as they become saturated with diesel fuel. Measure thickness of product if possible. Place absorbent pads in barrell located at the site (barrell should be labeled and have other used absorbent pads in it). Double check and make sure well is secured before leaving.

Do not do on a Friday because the station manager has made clear that Fridays are his busiest day and doesn't want work (GTI) done.

Technician's Comments:

Soakes were changed
Product to thick to measure

Copies: Nicole Merchant and Tim Watchers

Work Assigned To: Randy P.

WORK REQUEST FORM

No date
1/3/94

START DATE: Every week
LOCATION: 1802 Webster Street, Alameda
JOB NUMBER:020204098 061099
BILLING NUMBER:same
PROJECT MANAGER: Tim Watchers
REQUESTED START DATE: EVERY WEEK

VEHICLE ODOM. START: 01608
TIME LEFT FOR SITE: 10:35
SITE ARRIVAL TIME: 10:45
SITE DEPARTURE TIME: 11:30
VEHICLE ODOM. FINISH: 01633

****PERSONNEL PERFORMING WORK MUST POSSESS SITE SAFETY PLAN****

Weather Condition: (Circle one) (Sunny) Rain Cloudy Snow **Temp:** 55°

Site Conditions: CLEAN & BUSY

Equipment Needed: Level D PPE, Safety Vest, product bailer, buckets

IP	☐	Sample Bottles	☐	DO Meter	☐
pH Conductivity-Temp Meters	☐	Ice Chests/Ice	☐	Turbidity	☐
Bailers/Twine	☐	Gloves	☐	LEL / O2	☐
Decon Buckets/Rags	☐	FID / OVA	☐	Other	☐
Alconox/Distilled Water	☐	PID / OVM	☐		
Slope Indicator	☐	Drums ___	☐		

Tasks: Gauging ☐ **Sampling** ☐ **O&M** ☐ **Well Development** ☐ **Other** ☒

Special Instructions: Bail product from monitoring wells A-1 and A-2. Place product in 5-gallon gas can inside 55-gallon drum.

RECORD THE AMOUNT OF PRODUCT BAILED FROM EACH WELL

Contact Tim Watchers when the 5-gallon gas can is full.

Technician's Comments:

INSTRUCTED BY MARK CZIPKA NOT TO BAIL PRODUCT. CHANGED SNAKES IN WELLS A1 & A2. LOCKED & CLOSED WELL BOXES.

Copies: Nicole Merchant and Tim Watchers

Work Assigned To:

1-[redacted]-94
17

WORK REQUEST FORM

START DATE: Weekly
LOCATION: 1802 Webster Street
JOB NUMBER:02020 4098 061099
BILLING NUMBER:same
PROJECT MANAGER: Tim Watchers
REQUESTED START DATE:

VEHICLE ODOM. START:_____
TIME LEFT FOR SITE:_____
SITE ARRIVAL TIME:_____
SITE DEPARTURE TIME:1200
VEHICLE ODOM. FINISH:_____

****PERSONNEL PERFORMING WORK MUST POSSESS SITE SAFETY PLAN****

Weather Condition: (Circle one) Sunny Rain Cloudy Snow **Temp:**

Site Conditions:

Equipment Needed: Level D PPE, Safety Vest, absorbent pads, old product bailer

IP	☐	Sample Bottles	☐	DO Meter	☐
pH Conductivity-Temp Meters	☐	Ice Chests/Ice	☐	Turbidity	☐
Bailers/Twine	☐	Gloves	☐	LEL / O2	☐
Decon Buckets/Rags	☐	FID / OVA	☐	Other	☐
Alconox/Distilled Water	☐	PID / OVM	☐		
Slope Indicator	☐	Drums___	☐		

Tasks: Gauging ☐ **Sampling** ☐ **O&M** ☐ **Well Development** ☐ **Other** ☐

Special Instructions: Monitoring wells A-1 and A-2 contain absorbent pads. Replace or turn these pads over as they become saturated with diesel fuel. Measure thickness of product if possible. Place absorbent pads in barrell located at the site (barrell should be labeled and have other used absorbent pads in it). Double check and make sure well is secured before leaving.

please measure contents of the drum
how full is the drum
how disgusting is it.

2 FULL 9 GAL bags OF USED SNAKES
2 BUCKETS (Product stained) 1 BUCKET has small AMOUNT of PRODUCT
TWO SNAKES ARE SOAKING IT UP.
2 Bailers (DISPOSABLE)
INSTALLED 2 NEW SNAKES IN A1 + A2
The only free product is in ONE bucket.

ATTACHMENT 4

Laboratory Report

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 9-0290
Reported 01/25/94

TOTAL PETROLEUM HYDROCARBONS

Lab #	Sample Identification	Sampled	Analyzed	Matrix
30205- 1	TB-LB	01/17/94	01/24/94	Water
30205- 2	RBB-7	01/17/94	01/24/94	Water
30205- 3	B7	01/17/94	01/21/94	Water
30205- 5	B8	01/17/94	01/21/94	Water
30205- 7	B9	01/17/94	01/21/94	Water
30205- 9	B6	01/17/94	01/21/94	Water
30205-11	B5	01/17/94	01/21/94	Water
30205-13	B4	01/17/94	01/21/94	Water
30205-15	B1	01/17/94	01/21/94	Water
30205-17	B3	01/17/94	01/21/94	Water

RESULTS OF ANALYSIS

Laboratory Number:	30205- 1	30205- 2	30205- 3	30205- 5	30205- 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:	0.7	ND<0.5	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
Diesel:	NA	NA	ND<50	ND<50	ND<50
Concentration:	ug/L	ug/L	ug/L	ug/L	ug/L

Laboratory Number:	30205- 9	30205-11	30205-13	30205-15	30205-17
Gasoline:	ND<50	ND<50	11000	22000	3900
Benzene:	ND<0.5	ND<0.5	1900	6500	430
Toluene:	ND<0.5	ND<0.5	63	170	32
Ethyl Benzene:	ND<0.5	ND<0.5	170	210	29
Total Xylenes:	ND<0.5	ND<0.5	290	430	82
Diesel:	ND<50	ND<50	ND<50	ND<50	ND<50
Concentration:	ug/L	ug/L	ug/L	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

QA/QC INFORMATION
SET: 30205

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

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

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

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

ANALYTE	MS/MSD RECOVERY	RPD	CONTROL LIMIT
Gasoline:	98/105	7%	70-130
Benzene:	110/101	9%	70-130
Toluene:	107/102	5%	70-130
Ethyl Benzene:	102/106	4%	70-130
Total Xylenes:	112/115	3%	70-130
Diesel:	119/117	2%	70-130

Michael R. Verona
Senior Chemist

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

30205

Chain-of-Custody-Record

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

Chevron Facility Number: 9-0290
Facility Address: 1802 Webster St. Alameda
Consultant Project Number: 020104098
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): Mark Miller
(Phone): (510) 842-8134
Laboratory Name: Superior Labs
Laboratory Release Number: 614-8570
Samples Collected by (Name): DEREK MEEND
Collection Date: 1-17-94
Signature:

NOTE:
DO NOT BILL
TB-LB SAMPLES

Sample Number	Lab Sample Number	Number of Containers	Matrix S = Soil A = Air W = Water C = Charcoal	Type G = Grab C = Composite D = Discrete	Time	Sample Preservation	Iced (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)	HOLD	Remarks
TRIPBLANK		2	W	G		HCl	YES	X									
RBB-7		1			1020			X									
B7		4			1020			X	X								
RBB8		1			1030										X		
B8		4			1030			X	X								
RBB9		1			1040										X		
B9		4			1040			X	X								
RBB6		1			1050										X		
B6		4			1050			X	X								
RBB5		1			1100										X		
B5		4			1100			X	X								
RBB4		1			1110										X		
B4		4	↓	↓	1110	↓	↓	X	X								

Please initial
Samples stored in ice.
Appropriate containers.
Samples preserved.
VOAs without headspace.
Comments:

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
	GTI			GTF	1-19-94
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
	GTI	1-18-94		ACHO	1-18
Relinquished By (Signature)	Organization	Date/Time	Received for Laboratory By (Signature)		Date/Time
	ACHO				1-18-94

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

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

30205

Chain-of-Custody-Record

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

Chevron Facility Number: 9-0290
Facility Address: 1802 Webster St. Alameda
Consultant Project Number: 020104098
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): M. Miller
(Phone) (510) 842-8134
Laboratory Name: Superior Labs
Laboratory Release Number: 614-8570
Samples Collected by (Name): PETER MERINO
Collection Date: 1-17-94
Signature:

Sample Number	Lab Sample Number	Number of Containers	Matrix: S = Soil A = Air W = Water C = Charcoal	Type: G = Grab C = Composite D = Discrete	Time	Sample Preservation	Iced (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)	TCLP				Remarks
RB-B1		1	W	G	1120	HCl	YES									X				
RB-B2		4			1120			X												
RBB3		1			1130											X				
B3		4	↓	↓	1130	↓	↓	X												

NOTE:
DO NOT BILL
TB-LB SAMPLES

Please initial:
Samples Stored in Ice: 1-18-94
~~Appropriate containers.~~
Samples preserved.
VOA's without headspace.
Comments:

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
	GTI			GTI	1/18/94
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
	GTI	1/18/94		AERO	1-18
Relinquished By (Signature)	Organization	Date/Time	Received For Laboratory By (Signature)		Date/Time
	AERO				1-18-94

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