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Chevron

December 21, 1993

Chevron U.S.A. Products Company
2410 Camino Ramon
San Ramon, CA 94583

Marketing Department
Phone 510 842 9500

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

Re: Former Chevron Service Station #9-0019
210 Grand Avenue, Oakland, CA

Dear Ms. Eberle:

Enclosed is the Groundwater Monitoring and Sampling Activities report dated October 7, 1993, prepared by our consultant Groundwater Technology, Inc. for the above referenced site. As indicated in the report, ground water samples collected from all wells were analyzed for total petroleum hydrocarbons as gasoline (TPH-G), and BTEX. Benzene was detected only in monitor well MW-5 at a concentration of 860 ppb. Ground water samples collected from monitor wells MW-3 and MW-5 were also analyzed for purgeable halocarbons (EPA Method 601). Laboratory reports indicate concentrations of these constituents were negligible or below method detection limits. Depth to ground water was measured at approximately 4.5 feet to 8.5 feet below grade, and the direction of flow is to the west.

Enclosed for your reference is the Quarterly System Compliance Report dated September 24, 1993, prepared by our consultant Geraghty & Miller. The report indicates that the ground water extraction system at this site has removed approximately 2,000 gallons of hydrocarbon impacted ground water since startup on March 11, 1993. This translates to an extraction rate of approximately 11.5 gallons per day.

The ground water extraction system appears to have reduced hydrocarbon concentrations in ground water in the vicinity of extraction well MW-5. TPH-G concentrations have decreased from 38,000 ppb on December 23, 1992, to 8,900 ppb on September 10, 1993. Monitoring data demonstrates that a cone of depression has developed around MW-5 and created a small zone of capture.

It is unlikely, however, that the extraction system is responsible for the decreasing levels observed in the other monitor wells due to the low flow rates of the system. The observed decrease in the other wells is most likely due to attenuation and/or other natural decay mechanisms. The potentiometric data gathered since startup of the extraction system indicates that the small capture zone induced by the system is not the operative mechanism preventing the migration of hydrocarbons in ground water. The tight clay and silt lithology beneath the site appears to be providing natural containment and migration control of the hydrocarbons.

Due to the low flow rates of the extraction system and the declining hydrocarbon concentrations in the ground water over the past four years of sampling, we propose to temporarily discontinue operation of the extraction system for six months. This will allow us to confirm that the observed decrease in dissolved hydrocarbons and restricted migration are due to natural phenomenon rather than engineered controls.

We will continue to monitor and sample all wells at the site on a quarterly basis for the six month

time frame. If natural mechanisms are shown to be in effect at the conclusion of six months, we will permanently shut down the system. At that time an alternative points of compliance approach will be proposed for conditional closure of the site. If a review of the site data at that time indicates that hydraulic control is not naturally maintained, we will evaluate and propose appropriate alternatives. We would appreciate your review and formal concurrence with this proposal.

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

how long has gw treatmt been ongoing?
only since 3-11-93.

cc: Mr. Rich Hiett, RWQCB - Bay Area
Mr. Kent O'Brien, Geraghty & Miller - Richmond
Ms. B.C. Owen
File (9-0019 QM5)

Mr. Frank Fanelli
City of Oakland
Real Estate Department
1330 Broadway, Suite #101
Oakland, CA 94612

Mr. Ron Basarich
City of Oakland
Real Estate Department
1330 Broadway, Suite #101
Oakland, CA 94612

OCT 15 '93 J.M.M.

GROUNDWATER TECHNOLOGY, INC.

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

October 7, 1993

Project No. 020204096

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. 9-0019
210 Grand Avenue, Oakland, California

Dear Mr. Miller:

Groundwater Technology, Inc. presents the attached quarterly groundwater monitoring and sampling data collected on September 10, 1993. The eight groundwater monitoring wells at this 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. 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 was purged and sampled. The groundwater samples were analyzed for benzene, toluene, ethylbenzene, and xylenes and for total petroleum hydrocarbons-as-gasoline. The sample from monitoring wells MW-3 and MW-5 were analyzed for purgeable halocarbons. Results of the chemical analyses are summarized in Table 2. The laboratory report and chain-of-custody record are included in Attachment 3. 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 Geologist

PR

Attachment 1 Figure
Attachment 2 Tables
Attachment 3 Laboratory Report

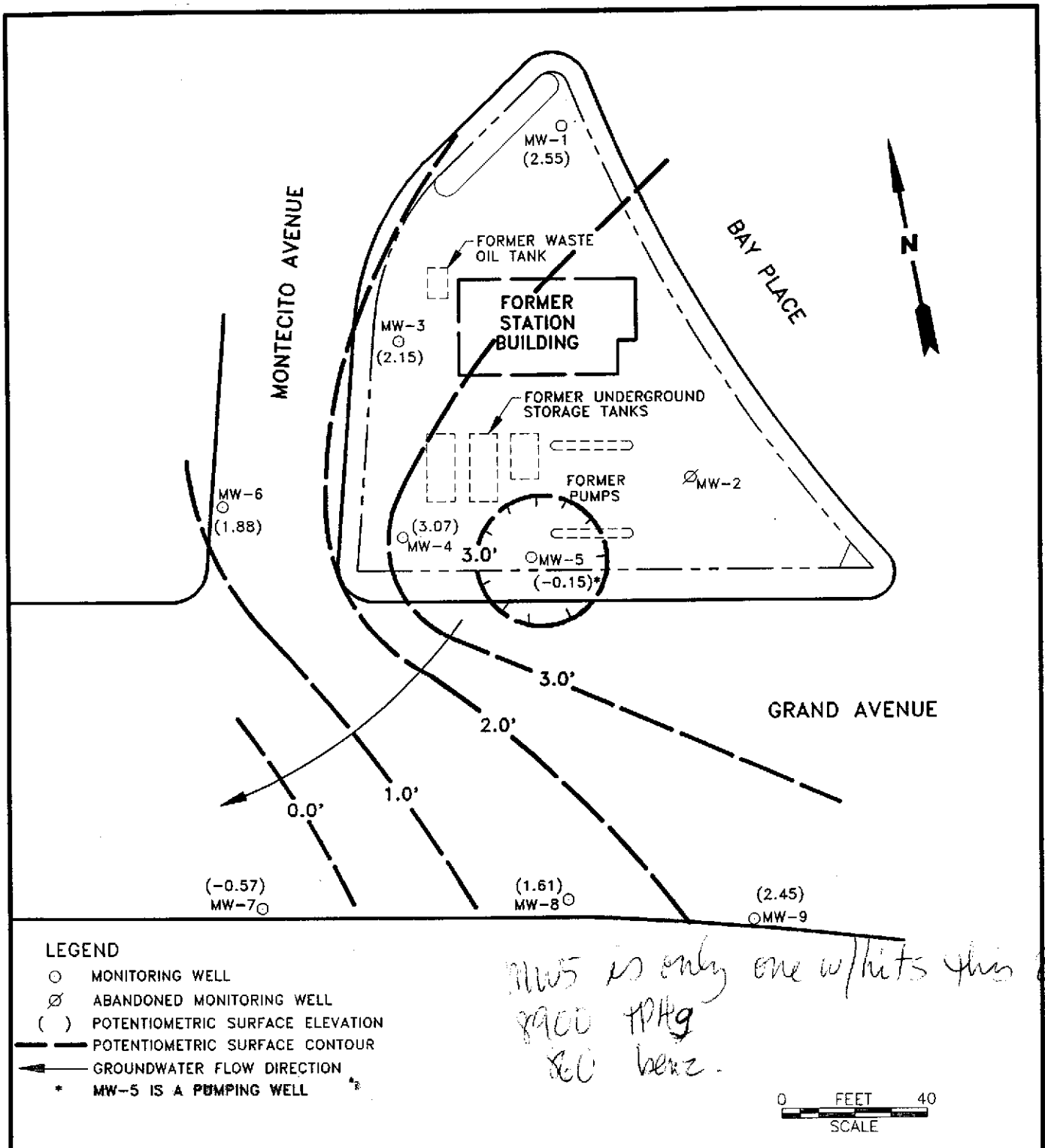
Groundwater Technology, Inc.
Reviewed/Approved by

Michael C. Blundell
Registered Geologist
No. 5146

REGISTERED GEOLOGIST
MICHAEL C. BLUNDELL
No. 5146
STATE OF CALIFORNIA

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

4096R023.020



GROUNDWATER TECHNOLOGY 4057 PORT CHICAGO HWY. CONCORD, CA 94520 (510) 671-2387				POTENTIOMETRIC SURFACE MAP (9/10/93)		
CLIENT: CHEVRON U.S.A. PRODUCTS CO. SERVICE STATION No. 9-0019				LOCATION: 210 GRAND AVENUE OAKLAND, CALIFORNIA	REV. NO.: 0	DATE: 10/6/93
PM	PE/RG	DESIGNED	DETAILED	ACAD FILE:	PROJECT NO.:	FIGURE:
		TW	ML	PSM91093/SP692	020204084	1

TABLE 1
GROUNDWATER MONITORING DATA
Chevron Service Station No. 9-0019
210 Grand Avenue, Oakland, California

Well ID/ Elevation	Date	DTW (ft)	SPT (ft)	WTE (ft)
MW-1	03/14/89	6.74	0.00	2.89
9.63	06/08/89	7.14	0.00	2.49
	09/14/89	7.21	0.00	2.42
	12/08/89	7.29	0.00	2.34
	03/19/90	7.00	0.00	2.63
	07/06/90	7.13	0.00	2.50
	10/03/90	7.53	0.00	2.10
	08/23/91	7.06	0.00	2.57
	11/22/91	7.47	0.00	2.16
	02/26/92	6.69	0.00	2.94
	05/22/92	6.96	0.00	2.67
	09/29/92	7.19	0.00	2.44
	12/23/92	7.03	0.00	2.60
	03/22/93	6.60	0.00	3.03
	06/07/93	6.97	0.00	2.66
	09/10/93	7.08	0.00	2.55
MW-2	03/14/89	6.08	0.00	2.91
8.99	06/08/89	5.22	0.00	3.77
	09/14/89	5.95	0.00	3.04
	12/08/89	9.25	0.00	-0.26
	03/19/90	5.92	0.00	3.07
9.01	07/06/90	6.79	0.00	2.22
	10/03/90	---	---	---
	08/23/91	---	---	---
	03/22/93	---	---	---
	11/22/91	Well destroyed (11/15/91)		

GROUNDWATER TECHNOLOGY, INC.

TABLE 1
GROUNDWATER MONITORING DATA
Chevron Service Station No. 9-0019
210 Grand Avenue, Oakland, California

Well ID/ Elevation	Date	DTW (ft)	SPT (ft)	WTE (ft)
MW-3	03/14/89	6.02	0.00	2.16
8.19	06/08/89	5.88	0.00	2.30
	09/14/89	6.30	0.00	1.88
	12/08/89	9.52	0.00	-1.34
	03/19/90	6.17	0.00	2.01
8.19	07/06/90	7.52	0.00	0.67
	10/03/90	7.31	0.00	0.88
	08/23/91	5.65	0.00	2.53
	11/22/91	6.78	0.00	1.41
	02/26/92	4.65	0.00	3.54
	05/22/92	5.56	0.00	2.63
	09/29/92	6.23	0.00	1.96
	12/23/92	5.82	0.00	2.37
	03/22/93	4.92	0.00	3.27
	06/07/93	5.69	0.00	2.50
	09/10/93	6.04	0.00	2.15
MW-4	03/14/89	5.52	0.00	2.08
7.60	06/08/89	4.19	0.00	3.41
	09/14/89	4.80	0.00	2.80
	12/08/89	4.86	0.00	2.74
	03/19/90	4.65	0.00	2.95
7.59	07/06/90	6.42	0.00	1.17
	10/03/90	6.39	0.00	1.20
	08/23/91	4.42	0.00	3.17
	11/22/91	5.38	0.00	2.21
	02/26/92	2.65	0.00	4.94
	05/22/92	3.96	0.00	3.63
	09/29/92	4.68	0.00	2.91
	12/23/92	3.63	0.00	3.96
	03/22/93	2.90	0.00	4.69
	06/07/93	3.89	0.00	3.70
	09/10/93	4.52	0.00	3.07

TABLE 1
GROUNDWATER MONITORING DATA
Chevron Service Station No. 9-0019
210 Grand Avenue, Oakland, California

Well ID/ Elevation	Date	DTW (ft)	SPT (ft)	WTE (ft)
MW-5	03/14/89	6.98	0.00	1.37
8.35	06/08/89	4.73	0.00	3.62
	09/14/89	5.37	0.00	2.98
	12/08/89	9.13	0.00	-0.78
	03/19/90	5.12	0.00	3.23
	07/06/90	5.81	0.00	2.54
	10/03/90	6.90	0.00	1.45
	08/23/91	5.05	0.00	3.30
	11/22/91	6.25	0.00	2.10
	02/26/92	3.00	0.00	5.35
	05/22/92	4.49	0.00	3.86
	09/29/92	4.85	0.00	3.50
	12/23/92	3.58	0.00	4.77
	03/22/93	---	---	---
	06/07/93	12.17	0.00	-3.82
	09/10/93	8.50	0.00	-0.15
MW-6	07/06/90	9.09	0.00	-2.53
6.56	10/03/90	5.78	0.00	0.78
	08/23/91	7.49	0.00	-0.93
	11/22/91	7.63	0.00	-1.07
	02/26/92	5.55	0.00	1.01
	05/22/92	6.94	0.00	-0.38
	09/29/92	6.80	0.00	-0.24
	12/23/92	5.99	0.00	0.57
	03/22/93	7.07	0.00	-0.51
	06/07/93	7.61	0.00	-1.05
	09/10/93	4.68	0.00	1.88
MW-7	07/06/90	5.85	0.00	-0.86
4.99	10/03/90	6.25	0.00	-1.26
	08/23/91	5.50	0.00	-0.51
	11/22/91	5.73	0.00	-0.74
	02/26/92	4.84	0.00	0.15
	05/22/92	4.89	0.00	0.10
	09/29/92	5.55	0.00	-0.56
	12/23/92	4.87	0.00	0.12
	03/22/93	4.05	0.00	0.94
	06/07/93	4.63	0.00	0.36
	09/10/93	5.56	0.00	-0.57

TABLE 1
GROUNDWATER MONITORING DATA
Chevron Service Station No. 9-0019
210 Grand Avenue, Oakland, California

Well ID/ Elevation	Date	DTW (ft)	SPT (ft)	WTE (ft)
MW-8	07/06/90	3.98	0.00	2.79
6.77	10/03/90	4.73	0.00	2.04
	08/23/91	4.76	0.00	2.01
	11/22/91	5.73	0.00	1.04
	02/26/92	4.30	0.00	2.47
	05/22/92	3.66	0.00	3.11
	09/29/92	---	---	---
	12/23/92	2.83	0.00	3.94
	03/22/93	4.38	0.00	2.39
	06/07/93	5.17	0.00	1.60
	09/10/93	5.16	0.00	1.61
MW-9	07/06/90	4.61	0.00	3.02
7.63	10/03/90	5.14	0.00	2.49
	08/23/91	5.45	0.00	2.18
	11/22/91	5.48	0.00	2.15
	02/26/92	2.63	0.00	5.00
	05/22/92	4.00	0.00	3.63
	09/29/92	4.70	0.00	2.93
	12/23/92	3.76	0.00	3.87
	03/22/93	2.11	0.00	5.52
	06/07/93	3.28	0.00	4.35
	09/10/93	5.18	0.00	2.45

DTW = Depth to water
SPT = Separate-phase hydrocarbon thickness
WTE = Water-table elevation
--- = Not applicable, not sampled, not measured

Measurements referenced relative to mean sea level

TABLE 2
HISTORICAL GROUNDWATER ANALYTICAL RESULTS AND MONITORING DATA
Chevron Service Station No. 9-0019
210 Grand Avenue, Oakland, California

Well	Date	TPH-G	Benzene	Toluene	Ethyl-benzene	Xylenes	TOG	Chloro-form	1,2-DCA	F113	TCA
MW-1	03/14/89	600	<0.2	<0.2	3.2	1.7	<3,000	1.0	<0.2	<20.0	<0.2
	06/08/89	<50	<0.1	<0.5	<0.1	<0.2	---	<0.5	<0.1	<20.0	<0.1
	09/14/89	<50	<0.2	<1.0	<0.2	<0.4	---	<1.0	<0.2	<1.0	0.7
	12/08/89	<50	<0.3	<0.3	<0.3	<0.6	---	<0.5	<0.5	---	<0.5
	03/19/90	190	0.8	<0.3	7	3	---	<0.5	<0.5	---	<0.5
	07/06/90	<50	<0.3	<0.3	<0.3	<0.6	---	<0.5	<0.5	---	<0.5
	10/03/90	<50	<0.3	<0.3	<0.3	<0.6	---	<0.5	<0.5	---	<0.5
	08/23/91	150	5.0	11	3.5	10	---	<0.5	<0.5	---	<0.5
	11/22/91	86	7.2	11	2.9	13	---	<0.5	<0.5	<0.5	<0.5
	02/26/92	<50	<0.5	<0.5	<0.5	1.4	---	<0.5	<0.5	<0.5	<0.5
	05/22/92	<50	<0.5	<0.5	<0.5	<0.5	---	<0.5	<0.5	<0.5	<0.5
	09/29/92	<50	<0.5	<0.5	<0.5	<0.5	---	<0.5	<0.5	---	<0.5
	12/23/92	<50	<0.5	<0.5	<0.5	<0.5	---	---	---	---	---
	03/22/93	<50	<0.5	<0.5	<0.5	<0.5	---	---	---	---	---
	06/07/93	<50	<0.5	<0.5	<0.5	<0.5	---	---	---	---	---
	09/10/93	<50	<0.5	<0.5	<0.5	<0.5	---	---	---	---	---
MW-2	03/14/89	<100	6.7	7.1	0.5	4.6	<3,000	<1.0	0.7	<20.0	<0.2
	06/09/89	<100	<0.2	<1.0	<0.2	<0.4	---	<1.0	<0.2	<20.0	<0.2
	09/14/89	<50	<0.2	<1.0	<0.2	<0.4	---	<1.0	<0.2	<1.0	<0.2
	12/08/89	<50	<0.3	<0.3	<0.3	<0.6	---	<0.5	<0.5	---	<0.5
	03/19/90	<50	<0.3	<0.3	<0.3	<0.6	---	<0.5	<0.5	---	<0.5
	07/06/90	<50	<0.3	<0.3	<0.3	<0.6	---	<0.5	<0.5	---	<0.5
	10/03/90[a]	---	---	---	---	---	---	---	---	---	---
	08/23/91[a]	---	---	---	---	---	---	---	---	---	---
	11/22/91[f]	---	---	---	---	---	---	---	---	---	---

GROUNDWATER TECHNOLOGY

TABLE 2
HISTORICAL GROUNDWATER ANALYTICAL RESULTS AND MONITORING DATA
Chevron Service Station No. 9-0019
210 Grand Avenue, Oakland, California

Well	Date	TPH-G	Benzene	Toluene	Ethyl-benzene	Xylenes	TOG	Chloro-form	1,2-DCA	F113	TCA
MW-3	03/14/89	<100	2.1	0.8	<0.2	2	<3,000	<1	3	<20	<0.2
	06/09/89	<100	<0.5	<1.0	<0.2	<0.4	—	<1	3.3	<20	<0.2
	09/14/89	<50	<0.2	<1.0	<0.2	<0.4	—	<1.0	2.2	<1	<0.2
	12/08/89	<50	<0.3	<0.3	<0.3	<0.6	—	<0.5	1.3	—	<0.5
	03/19/90	<50	<0.3	<0.3	<0.3	<0.6	—	0.5	1.3	—	<0.5
	07/06/90	<50	<0.3	<0.3	<0.3	<0.6	—	<0.5	<0.5	—	<0.5
	10/03/90	<50	<0.3	<0.3	<0.3	<0.6	—	<0.5	0.83	—	<0.5
	08/23/91	220	16	22	5.5	16	—	<0.5	0.6	—	<0.5
	11/22/91	<50	<0.5	<0.5	<0.5	0.6	—	0.6	1.0	<0.5	<0.5
	02/26/92	<50	4.5	<0.5	<0.5	<0.5	—	<0.5	<0.5	<0.5	<0.5
	05/22/92	<50	<0.5	<0.5	<0.5	<0.5	—	<0.5	<0.5	<0.5	<0.5
	09/29/92	<50	<0.5	<0.5	<0.5	<0.5	—	<0.5	<0.5	—	<0.5
	12/23/92	<50	<0.5	<0.5	<0.5	<0.5	—	<0.5	<0.5	—	<0.5
	03/22/93	<50	7	<0.5	<0.5	<0.5	—	<0.5	<0.5	—	<0.5
	06/07/93	<50	<0.5	<0.5	<0.5	<0.5	—	<0.5	<0.5	—	<0.5
	09/10/93	<50	<0.5	<0.5	<0.5	<0.5	—	<0.5	<0.5	—	<0.5
MW-4	03/14/89	3,000	810	200	30	130	<3,000	<20.0	<5.0	<20	<5
	06/09/89	900	440	13	22	40	—	<20.0	<5.0	60	<5
	09/14/89	540	220	2	6.1	9.3	—	<1.0	2.3	<1	<0.2
	12/08/89	150	18	<0.3	1	<0.6	—	<0.5	1.9	—	<0.5
	03/19/90	270	50	<0.3	0.7	<0.6	—	<0.5	0.8	—	<0.5
	07/06/90	140	0.7	<0.3	0.5	<0.6	—	<0.5	0.79	—	<0.5
	10/03/90	180	<0.3	<0.3	2	<0.6	—	<0.5	0.5	—	<0.5
	08/23/91	400	9.9	6.8	3.1	7.1	—	<0.5	<0.5	—	<0.5
	11/22/91	130	3.4	1.3	3.5	6	—	<0.5	<0.5	<0.5	<0.5
	02/26/92	520	15	2.7	6.1	8.6	—	<0.5	<0.5	<0.5	<0.5
	05/22/92	460	20	2.8	5	6.9	—	<0.5	<0.5	<0.5	<0.5
	09/29/92	160	1.1	1.7	0.8	2.8	—	<0.5	<0.5	—	<0.5
	12/23/92	110	0.7	0.5	0.9	1.7	—	—	—	—	—
	03/22/93	930	9	3	7	8	—	—	—	—	—
	06/07/93	240	2	0.9	3	3	—	—	—	—	—
	09/10/93	<50	<0.5	<0.5	0.8	<0.5	—	—	—	—	—

GROUNDWATER TECHNOLOGY

TABLE 2
HISTORICAL GROUNDWATER ANALYTICAL RESULTS AND MONITORING DATA
Chevron Service Station No. 9-0019
210 Grand Avenue, Oakland, California

Well	Date	TPH-G	Benzene	Toluene	Ethyl-benzene	Xylenes	TOG	Chloro-form	1,2-DCA	F113	TCA
MW-5	03/14/89	20,000	6,600	1,600	270	1,100	<3,000	<100	<20	<20	<20
	06/09/89	15,000	>2,800	270	240	640	---	<20	28	<20	<5
(D)	06/09/89	12,000	5,100	300	240	700	---	<200	<50	<20	<50
	09/14/89	15,000	>730	>320[b]	>290[b]	440	---	<10	<2	<20	<2
(D)	09/14/89	15,000	3,300	450	490	730	---	<100	<20	100	<20
(T)	09/14/89	16,000	3,100	550	400	690	---	<50	<10	<50	<10
	12/08/89	20,000	4,600	640	390	1,300	---	<0.5	27	---	<0.5
	03/19/90	25,000	6,500	1,200	450	2,200	---	<0.5	10	---	0.7
	06/06/90	30,000	5,600	890	210	1,400	---	<0.5	<0.5	---	<0.5[c]
	10/03/90	29,000	6,000	790	270	1,500	---	<0.5	<0.5	---	<0.5[d]
	08/23/91	36,000	6,100	1,200	460	2,600	---	<0.5	3.9	---	<0.5[e]
	11/22/91	21,000	8,000	1,500	530	2,600	---	<0.5	3.9	<0.5	<0.5[f,m]
	02/26/92	43,000	14,000	1,600	640	4,700	---	<0.5	2.0	<0.5	<0.5
	05/22/92	72,000	18,000	8,100	920	10,000	---	<0.5	6.8	<0.5	<0.5
	09/29/92	54,000	14,000	1,400	740	8,100	---	<0.5	4.4	---	<0.5
	12/23/92	38,000	8,400	910	530	5,300	---	<0.5	2.9	---	<0.5
	03/22/93	---	---	---	---	---	---	---	---	---	---
	06/07/93	24,000	3,000	280	360	1,200	---	<0.5	<0.5	---	<0.5
	09/10/93	8,900	860	160	100	320	---	<5	<5	---	<5
MW-6	07/06/90	210	<0.3	<0.3	3	7	---	<0.5	<0.5	---	<0.5
	10/03/90	320	<0.3	0.3	1	<0.6	---	<0.5	<0.5	---	<0.5
	08/23/91	320	1.7	<0.5	2.1	<0.5	---	<0.5	<0.5	---	<0.5
	11/22/91	190	1.9	2.2	5.4	7.7	---	<0.5	<0.5	<0.5	<0.5
	02/26/92	120	2.0	1.5	3.5	5.1	---	<0.5	<0.5	<0.5	<0.5
	05/22/92	160	1.1	0.6	0.9	1	---	<0.5	<0.5	<0.5	<0.5
	09/29/92	65	0.5	1.4	0.5	0.64	---	<0.5	<0.5	---	<0.5
	12/23/92	140	0.7	0.7	0.9	2.1	---	---	---	---	---
	03/22/93	71	<0.5	<0.5	<0.5	<0.5	---	---	---	---	---
	06/07/93	85	<0.5	<0.5	2	1	---	---	---	---	---
	09/10/93	<50	<0.5	<0.5	1	<0.5	---	---	---	---	---

GROUNDWATER TECHNOLOGY

TABLE 2
HISTORICAL GROUNDWATER ANALYTICAL RESULTS AND MONITORING DATA
Chevron Service Station No. 9-0019
210 Grand Avenue, Oakland, California

Well	Date	TPH-G	Benzene	Toluene	Ethyl-benzene	Xylenes	TOG	Chloro-form	1,2-DCA	F113	TCA
MW-7	07/06/90	<50	<0.3	<0.3	<0.3	<0.6	<1,000	<0.5	<0.5	—	<0.5
	10/03/90	<50	<1.5	<1.5	<1.5	<3	—	<0.5	<0.5	—	<0.5
	08/23/91	<50	<0.5	<0.5	<0.5	<0.5	—	<0.5	<0.5	—	<0.5
	11/22/91	<50	<0.5	<0.5	<0.5	<0.5	—	<0.5	<0.5	<0.5	<0.5
	02/26/92	<50	<0.5	<0.5	<0.5	<0.5	—	<0.5	<0.5	<0.5	<0.5
	05/22/92	<50	<0.5	<0.5	<0.5	<0.5	—	<0.5	<0.5	<0.5	<0.5
	09/29/92	<50	<0.5	<0.5	<0.5	0.6	—	<0.5	<0.5	—	<0.5
	12/23/92	<50	<0.5	<0.5	<0.5	<0.5	—	—	—	—	—
	03/22/93	<50	<0.5	<0.5	<0.5	<0.5	—	—	—	—	—
	06/07/93	<50	<0.5	<0.5	<0.5	<0.5	—	—	—	—	—
	09/10/93	<50	<0.5	<0.5	<0.5	<0.5	—	—	—	—	—
MW-8	07/06/90	<50	<0.3	<0.3	<0.3	<0.6	<1,000	<0.5	<0.5	—	<0.5
	10/03/90	<50	<0.3	<0.3	<0.3	<0.6	—	<0.5	<0.5	—	<0.5
	08/23/91	<50	<0.5	<0.5	<0.5	<0.5	—	<0.5	<0.5	—	<0.5
	11/22/91	<50	<0.5	<0.5	<0.5	<0.5	—	<0.5	<0.5	<0.5	<0.5
	02/26/92	<50	<0.5	<0.5	<0.5	<0.5	—	<0.5	<0.5	<0.5	<0.5
	05/22/92	<50	<0.5	<0.5	<0.5	<0.5	—	<0.5	<0.5	<0.5	<0.5
	09/29/92	—	—	—	—	—	—	—	—	—	—
	12/23/92	<50	<0.5	7.2	0.6	2.5	—	—	—	—	—
	03/22/93	<50	<0.5	<0.5	<0.5	<0.5	—	—	—	—	—
	06/07/93	<50	<0.5	<0.5	<0.5	<0.5	—	—	—	—	—
	09/10/93	<50	<0.5	<0.5	<0.5	<0.5	—	—	—	—	—

TABLE 2
HISTORICAL GROUNDWATER ANALYTICAL RESULTS AND MONITORING DATA
Chevron Service Station No. 9-0019
210 Grand Avenue, Oakland, California

Well	Date	TPH-G	Benzene	Toluene	Ethyl-benzene	Xylenes	TOG	Chloro-form	1,2-DCA	F113	TCA
MW-9	07/06/90	<50	<0.3	<0.3	<0.3	<0.6	<1,000	<0.5	<0.5	—	<0.5
	10/03/90	<50	<0.3	<0.3	<0.3	<0.6	—	<0.5	<0.5	—	<0.5
	08/23/91	<50	<0.5	<0.5	<0.5	<0.5	—	<0.5	<0.5	—	<0.5
	11/22/91	<50	<0.5	<0.5	<0.5	<0.5	—	<0.5	<0.5	<0.5	<0.5
	02/26/92	<50	<0.5	<0.5	<0.5	<0.5	—	<0.5	<0.5	<0.5	<0.5
	05/22/92	<50	<0.5	<0.5	<0.5	<0.5	—	<0.5	<0.5	<0.5	<0.5
	09/29/92	<50	<0.5	<0.5	<0.5	<0.5	—	<0.5	<0.5	—	<0.5
	12/23/92	<50	<0.5	<0.5	<0.5	<0.5	—	—	—	—	—
	03/22/93	<50	<0.5	<0.5	<0.5	<0.5	—	—	—	—	—
	06/07/93	<50	<0.5	<0.5	<0.5	<0.5	—	—	—	—	—
	09/10/93	<50	<0.5	<0.5	<0.5	<0.5	—	—	—	—	—
TB-LB	12/08/89	<100	<0.1	<0.2	<0.1	<0.2	—	<0.5	<0.1	—	<0.1
	06/09/89	<50	<0.5	<0.5	<0.1	<0.2	—	<0.5	<0.1	<20.0	<0.1
	09/14/89	<50	<0.1	<0.5	<0.1	<0.2	—	<0.5	<0.1	<0.5	<0.1
	12/08/89	<50	<0.3	<0.3	<0.3	<0.6	—	4.4	<0.5	—	1.9
	03/19/90	<50	<0.3	<0.3	<0.3	<0.6	—	<0.5	<0.5	—	<0.5
	07/06/90	<50	<0.3	<0.3	<0.3	<0.6	—	<0.5	<0.5	—	<0.5
	10/03/90	<50	<0.3	<0.3	<0.3	1	—	<0.5	<0.5	—	<0.5
	08/23/91	<50	<0.5	<0.5	<0.5	<0.5	—	—	—	—	—
	11/22/91	<50	<0.5	<0.5	<0.5	<0.5	—	—	—	<0.5	g,h,i
	02/26/92	<50	<0.5	<0.5	<0.5	<0.5	—	—	—	—	—
	05/22/92	<50	<0.5	<0.5	<0.5	<0.5	—	—	—	—	—
	09/29/92	<50	<0.5	<0.5	<0.5	<0.5	—	—	—	—	—
	12/23/92	<50	<0.5	<0.5	<0.5	<0.5	—	—	—	—	—
	03/22/93	<50	<0.5	<0.5	<0.5	<0.5	—	—	—	—	—
	06/07/93	<50	<0.5	<0.5	<0.5	1	—	—	—	—	—
	09/10/93	<50	<0.5	<0.5	<0.5	<0.5	—	—	—	—	—

GROUNDWATER TECHNOLOGY

TABLE 2
HISTORICAL GROUNDWATER ANALYTICAL RESULTS AND MONITORING DATA
Chevron Service Station No. 9-0019
210 Grand Avenue, Oakland, California

Well	Date	TPH-G	Benzene	Toluene	Ethyl-benzene	Xylenes	TOG	Chloro-form	1,2-DCA	F113	TCA
Bailer Blank	08/23/91	<50	<0.5	<0.5	<0.5	<0.5	---	---	---	---	---
	11/22/91	<50	<0.5	<0.5	<0.5	<0.5	---	---	---	<0.5	g,j,k
	02/26/92	<50	<0.5	<0.5	<0.5	<0.5	---	---	---	---	---
	05/22/92	<50	<0.5	<0.5	<0.5	<0.5	---	---	---	---	---

TPH-G = Total petroleum hydrocarbons-as-gasoline
TOG = Total oil and grease
1,2-DCA = 1,2-Dichloroethane
F113 = Trichlorotrifluoroethane (Freon 113)
TCA = 1,1,1-Trichloroethane
TB-LB = Trip blank/Laboratory blank
--- = Not analyzed, not applicable
(D) = Duplicate sample
(T) = Triplicate sample

Data before May 22, 1992, were taken from a report prepared by Sierra Environmental Services, March 13, 1992.
Results in parts per billion.

a = Well obstructed during site demolition.
b = Saturated column.
c = 1,2-Dichloropropane was detected at 1.2 ppb.
d = 1,2-Dichloropropane and trichloroethane were detected at 2 ppb and 0.74 ppb, respectively.
e = 1,2-Dichloropropane was detected at 0.9 ppb.
f = Well destroyed November 15, 1991.
g = Bromodichloromethane was detected at 2.4 ppb.
h = Dibromochloromethane was detected at 2.4 ppb.
i = Bromoform was detected at 4.8 ppb.
j = Dibromochloromethane was detected at 2.2 ppb.
k = Bromoform was detected at 4.8 ppb.
l = TCE was detected at 1.0 ppb.
m = 1,2-Dichloropropane was detected at 0.8 ppb.

GTEL
ENVIRONMENTAL
LABORATORIES, INC.

Northwest Region
4080-C Pike Lane
Concord, CA 94520
(510) 685-7852
(800) 544-3422 *from inside California*
(800) 423-7143 *from outside California*
(510) 825-0720 (FAX)

Client Number: 020204096
Consultant Project Number: 020204096
Facility Number: 9-0019
Project ID: 210 Grand Ave., Oakland
Work Order Number: C3-09-0210

September 24, 1993

Nicole Merchant
Groundwater Technology, Inc.
4057 Port Chicago Hwy.
Concord, CA 94520

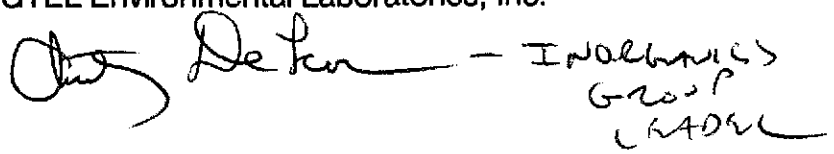
Enclosed please find the analytical results for samples received by GTEL Environmental Laboratories, Inc. on 09/10/93.

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.



Eileen F. Bullen
Laboratory Director

Client Number: 020204096
Consultant Project Number: 020204096
Facility Number: 9-0019
Project ID: 210 Grand Ave., Oakland
Work Order Number: C3-09-0210

Table 1

ANALYTICAL RESULTS
Purgeable Halocarbons in Water
EPA Method 601[a]

GTEL Sample Number		07	17[b]	C091793	
Client Identification		MW-3	MW-5	METHOD BLANK	
Date Sampled		09/10/93	09/10/93	–	
Date Analyzed		09/17/93	09/18/93	09/17/93	
Analyte	Detection Limit, ug/L	Concentration, ug/L			
Chloromethane	0.5	<0.5	<5	<0.5	
Bromomethane	0.5	<0.5	<5	<0.5	
Vinyl chloride	1	<1	<10	<1	
Chloroethane	0.5	<0.5	<5	<0.5	
Methylene chloride	0.5	<0.5	<5	<0.5	
1,1-Dichloroethene	0.5	<0.5	<5	<0.5	
1,1-Dichloroethane	0.5	<0.5	<5	<0.5	
1,2-Dichloroethene	0.5	<0.5	<5	<0.5	
Chloroform	0.5	<0.5	<5	<0.5	
1,2-Dichloroethane	0.5	<0.5	<5	<0.5	
1,1,1-Trichloroethane	0.5	<0.5	<5	<0.5	
Carbon tetrachloride	0.5	<0.5	<5	<0.5	
Bromodichloromethane	0.5	<0.5	<5	<0.5	
1,2-Dichloropropane	0.5	<0.5	<5	<0.5	
cis-1,3-Dichloropropene	0.5	<0.5	<5	<0.5	
Trichloroethene	0.5	<0.5	<5	<0.5	
Dichlorodifluoromethane	0.5	<0.5	<5	<0.5	
Dibromochloromethane	0.5	<0.5	<5	<0.5	
1,1,2-Trichloroethane	0.5	<0.5	<5	<0.5	
trans-1,3-Dichloropropene	0.5	<0.5	<5	<0.5	
2-Chloroethylvinyl ether	1	<1	<10	<1	
Bromoform	0.5	<0.5	<5	<0.5	
Tetrachloroethene	0.5	1	<5	<0.5	
1,1,2,2-Tetrachloroethane	0.5	<0.5	<5	<0.5	
Chlorobenzene	0.5	<0.5	<5	<0.5	
1,2-Dichlorobenzene	0.5	<0.5	<5	<0.5	
1,3-Dichlorobenzene	0.5	<0.5	<5	<0.5	
1,4-Dichlorobenzene	0.5	<0.5	<5	<0.5	
Trichlorofluoromethane	0.5	<0.5	<5	<0.5	
Detection Limit Multiplier		1	10	1	
BFB surrogate, % recovery		90.4	96.6	96.6	

a. Federal Register, Vol. 49, October 26, 1984. BFB surrogate recovery acceptability limits are 65-135%.

b. Detection limit raised due to high hydrocarbon concentration.

PCE

GTEL ENVIRONMENTAL LABORATORIES, INC.

Client Number: 020204096
Consultant Project Number: 020204096
Facility Number: 9-0019
Project ID: 210 Grand Ave., Oakland
Work Order Number: C3-09-0210

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	03	05	07
Client Identification		TB-LB	MW7	MW9	MW3
Date Sampled		09/10/93	09/10/93	09/10/93	09/10/93
Date Analyzed		09/23/93	09/23/93	09/23/93	09/23/93
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
BTEX, total	--	--	--	--	--
TPH as Gasoline	50	<50	<50	<50	<50
Detection Limit Multiplier		1	1	1	1
BFB surrogate, % recovery		84.2	95.6	94.5	95.5

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 Control Board LUFT Manual protocols, May 1988 revision. Bromofluorobenzene surrogate recovery acceptability limits are 70 - 130%.

GTEL ENVIRONMENTAL LABORATORIES, INC.

Client Number: 020204096
Consultant Project Number: 020204096
Facility Number: 9-0019
Project ID: 210 Grand Ave., Oakland
Work Order Number: C3-09-0210

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		09	11	13	15
Client Identification		MW8	MW1	MW6	MW4
Date Sampled		09/10/93	09/10/93	09/10/93	09/10/93
Date Analyzed		09/24/93	09/24/93	09/24/93	09/24/93
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	1	0.8
Xylene, total	0.5	<0.5	<0.5	<0.5	<0.5
BTEX, total	--	--	--	1	0.8
TPH as Gasoline	50	<50	<50	<50	<50
Detection Limit Multiplier		1	1	1	1
BFB surrogate, % recovery		92.9	93.7	86.9	77.8

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 Control Board LUFT Manual protocols, May 1988 revision. Bromofluorobenzene surrogate recovery acceptability limits are 70 - 130%.

GTEL ENVIRONMENTAL LABORATORIES, INC.

Client Number: 020204096
Consultant Project Number: 020204096
Facility Number: 9-0019
Project ID: 210 Grand Ave., Oakland
Work Order Number: C3-09-0210

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		17	092493M		
Client Identification		MW5	METHOD BLANK		
Date Sampled		09/10/93	--		
Date Analyzed		09/24/93	09/24/93		
Analyte	Detection Limit, ug/L	Concentration, ug/L			
Benzene	0.5	860	<0.5		
Toluene	0.5	160	<0.5		
Ethylbenzene	0.5	100	<0.5		
Xylene, total	0.5	320	<0.5		
BTEX, total	--	1400	--		
TPH as Gasoline	50	8900	<50		
Detection Limit Multiplier		50	1		
BFB surrogate, % recovery		93.3	96.1		

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 Control Board LUFT Manual protocols, May 1988 revision. Bromofluorobenzene surrogate recovery acceptability limits are 70 - 130%.

GTEL ENVIRONMENTAL LABORATORIES, INC.

Client Number: 020204096
Consultant Project Number: 020204096
Facility Number: 9-0019
Project ID: 210 Grand Ave., Oakland
Work Order Number: C3-09-0210

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	C3090212-04	20.0	ug/L	95.5	93.5	2.1	55 - 129
Toluene	C3090212-04	20.0	ug/L	99.5	97.0	3.0	72 - 149
Ethylbenzene	C3090212-04	20.0	ug/L	89.5	86.5	3.4	75 - 138
Xylene, total	C3090212-04	60.0	ug/L	105	99.8	5.0	74 - 147
EPA 8010:							
Chlorobenzene	C3090236-02	20.0	ug/L	99.5	104	4.4	34 - 134
Benzene	C3090236-02	20.0	ug/L	102	102	0	66 - 118
Toluene	C3090236-02	20.0	ug/L	98.5	98.0	0.05	53 - 115
Ethylbenzene	C3090236-02	20.0	ug/L	96.0	96.0	0	43 - 131
Xylene, total	C3090236-02	60.0	ug/L	106	103	2.9	55 - 115
1,1-Dichloroethene	C3090236-02	20.0	ug/L	90.4	91.4	1.1	30 - 160
Trichloroethene	C3090236-02	20.0	ug/L	93.7	97.2	3.7	78 - 184

GTEL ENVIRONMENTAL LABORATORIES, INC.

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: 9-0019
Facility Address: 210 Grand Ave Oakland
Consultant Project Number: 02020 4096
Consultant Name: Groundwater Technology, Inc.
Address: 4057 Port Chicago Hwy, Concord, CA 94520
Project Contact (Name): Nicole Merchant
(Phone): 671-2387 (Fax Number): 685-9148

Chevron Contact (Name): Mark Miller
(Phone): 842.8134
Laboratory Name: GTEL
Laboratory Release Number: 876-6990
Samples Collected by (Name): [illegible]
Collection Date: 9/10/93
Signature: [illegible]

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)	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
TB-43	01	2	W	G		HCl	Yes	X													
RBMW7	02	1			300											X					
MW7	03	2			300			X													
RBMW9	04	1			310											X					
MW-9	05	2			310			X													
RBMW3	06	1			320											X					
MW3	07	4			320			X			X										
RBMW8	08	1			330											X					
MW8	09	2			330			X													
RBMW1	10	1			340											X					
MW1	11	2			340			X													
RBMW6	12	1			350											X					
MW6	13	2			350			X													

Remarks: [illegible] DO NOT Bill Pg 1 of 2

[illegible] 9/18/93 [illegible]

C309021O

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
[signature]	GTI	9/10/93			
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
Relinquished By (Signature)	Organization	Date/Time	Received For Laboratory By (Signature) [signature]		Date/Time 1645 9/10/93

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

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: 9-0019
Facility Address: 210 Grand Ave. Oakland
Consultant Project Number: 02020 4096
Consultant Name: Groundwater Technology, Inc.
Address: 4057 Port Chicago Hwy, Concord, CA 94520
Project Contact (Name): Nicole Merchant
(Phone): 671-2387 (Fax Number): 685-9148

Chevron Contact (Name): Mark Mills
(Phone): 842.8134
Laboratory Name: GTEL
Laboratory Release Number: 876-6990
Samples Collected by (Name): Hector Mer[illegible]
Collection Date: 9/10/93
Signature: [signature]

Analyses To Be Performed

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)	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
RBMW4	14	1	W	G	4:00	HCL	YES									X					
MW4	15	2	↓	↓	4:00	↓	↓	X								X					
RBMW5	16	1	↓	↓	410	↓	↓														
MW5	17	4	↓	↓	410	↓	↓	X			X										

SEAL INTACT ON ICE AT 5°C
Pg 2 of 2
9/10/93 BFC

C309021D

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
[signature]	GTI	9/10/93			
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
Relinquished By (Signature)	Organization	Date/Time	Received For Laboratory By (Signature) [signature]		Date/Time 1845 9/10/93

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

OCT 5 '93 J.M.M.

GERAGHTY & MILLER, INC.
Environmental Services

Ground Water *Engineering* *Hydrocarbon* *Remediation* *Education*

September 24, 1993
Project No. RC11003

Mr. Stan Archacki
Wastewater Control Representative
East Bay Municipal Utility District
P.O. Box 24055
Oakland, CA 94623-1055

(510) 287-0333

SUBJECT: Quarterly System Compliance Report, Former Chevron U.S.A. Products Company Service Station #9-0019, 210 Grand Avenue, Oakland, California.

FILE

Dear Mr. Archacki:

Geraghty & Miller, Inc. (Geraghty & Miller) is submitting this system compliance report for the reporting period from July 1 through September 30, 1993, on behalf of Chevron U.S.A. Products Company (Chevron).

System samples were collected this reporting period on July 21, July 29, August 18, and September 9, 1993. The samples were collected from the system influent, intermediate (between Carbon Vessels 1 and 2), and the effluent immediately prior to discharge to the sewer (Effluent). Further sampling of the system will continue on a monthly basis, per permit requirements.

All samples were analyzed for total petroleum hydrocarbons as gasoline (TPH-G) (USEPA Method 8015, modified) and benzene, toluene, ethylbenzene, and xylenes (BTEX) (USEPA Method 8020). All samples were submitted to Superior Precision Analytical, Inc., of San Francisco and Martinez, California, for analysis. Copies of the certified laboratory reports and the chain-of-custody documentation are included in Attachment 1.

To determine the time at which the first carbon vessel will break through, the system influent analytical results and system flow rate are used to calculate the daily carbon loading. Based upon the highest influent TPH-G concentration this operational period (3,600 parts per billion) and the average system flow rate of 0.003 gallon per minute, with a carbon loading efficiency of 5%, the carbon use rate is:

$$\frac{3{,}600\ \mu g/L\ TPH\text{-}G}{1 \times 10^9\ \mu g/L\ H_2O} \times \frac{0.003\ gal\ H_2O}{min} \times \frac{1{,}440\ min}{day} \times \frac{8.3\ lb\ H_2O}{gal\ H_2O} = \frac{0.00013\ lb\ TPH\text{-}G}{day}$$

Carbon loading (5% loading of TPH at low concentrations):

$$\frac{0.00013 \text{ lb TPH-G}}{\text{day}} \times \frac{30 \text{ day}}{\text{month}} \times \frac{100 \text{ lb carbon}}{5 \text{ lb TPH-G}} = \frac{0.078 \text{ lb carbon}}{\text{month}}$$

First carbon vessel breakthrough:

$$1{,}000 \text{ lb carbon} \div \frac{0.078 \text{ lb carbon}}{\text{month}} = 12{,}821 \text{ months, or } 1{,}068 \text{ years}$$

The volume of water treated and discharged for this reporting period (for operation from June 10 to September 9, 1993) was 400 gallons. A summary of the totalizing flowmeter readings is presented in Table 1. Analytical results are presented in Table 2.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering information, the information is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

If you have any questions regarding this matter, please contact the undersigned at (510) 233-3200.

Sincerely,
GERAGHTY & MILLER, INC.

Kent O'Brien
Project Scientist/Project Manager

Gary W. Keyes, P.E.
Principal Engineer/Associate
Richmond, California Office Manager

Attachments:

	Table 1	Flow Totalizer Readings
	Table 2	Groundwater Analytical Results
	Attachment 1	Copies of Certified Laboratory Reports and Chain-of-Custody Documentation

cc: Mark Miller, Chevron U.S.A. Products Company

Project No. RC11003

Table 1: **Flow Totalizer Readings**
Former Chevron Service Station #9-0019
210 Grand Avenue, Oakland, California.

Date	Totalizer Reading (Gallons)	Gallons Discharged This Period	Cumulative Gallons	Days Since Previous Reading	Average Discharge Rate (GPM)	Notes
1-Jan-93	0	0	0		0	System nonoperational
11-Mar-93	16 (a)	0	0		0	Startup
12-Mar-93	16	0	0	1	0.00	Low flow; no sample taken
22-Mar-93	16	0	0	10	0.00	Sampling
30-Mar-93	300	284	284	8	0.02	Sampling
20-Apr-93	793	493	777	21	0.02	
12-May-93	1,204	412	1,188	22	0.01	
10-Jun-93	1,713	509	1,697	29	0.01	1,413 gal. discharged this quarter
29-Jul-93	1,762	49	1,746	49	0.001	Sampling
18-Aug-93	1,900	138	1,884	20	0.005	Sampling
9-Sep-93	2,113	213	2,097	22	0.01	**400 gal. discharged this quarter**

GPM = Gallons per minute
(a) Meter not zeroed when system began operation.

Table 2: **Groundwater Analytical Results**
Former Chevron Service Station #9-0019
210 Grand Avenue, Oakland, California

Sample	Date	TPH as Gasoline (µg/L) (a)	Benzene (µg/L) (b)	Toluene (µg/L) (b)	Ethylbenzene (µg/L) (b)	Xylenes (µg/L) (b)
Influent	22-Mar-93	6,700	3,900	590	130	600
	30-Mar-93	15,000	2,900	610	83	610
	20-Apr-93	6,000	970	260	26	400
	12-May-93	3,900	620	140	20	180
	10-Jun-93	2,000	430	46	ND(<5)	110
	21-Jul-93	2,200	480	68	15	94
	29-Jul-93	3,600	560	52	6.7	120
	18-Aug-93	550	27	3.5	2.6	9.3
	9-Sep-93	650	ND(<0.5)	3.8	ND(<0.5)	9.1
Intermediate	22-Mar-93	ND(<50)	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<1.5)
	30-Mar-93	ND(<50)	0.5	ND(<0.5)	ND(<0.5)	ND(<1.5)
	20-Apr-93	ND(<50)	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<1.5)
	12-May-93	ND(<50)	1.4	0.7	ND(<0.5)	ND(<1.5)
	10-Jun-93	71	7.2	2.7	ND(<0.5)	8.9
	21-Jul-93	ND(<50)	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<1.5)
	29-Jul-93	ND(<50)	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<1.5)
	18-Aug-93	ND(<50)	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<1.5)
	9-Sep-93	ND(<50)	ND(<0.5)	ND(<0.5)	ND(<0.5)	2.3
Effluent	22-Mar-93	ND(<50)	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<1.5)
	30-Mar-93	ND(<50)	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<1.5)
	20-Apr-93	ND(<50)	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<1.5)
	12-May-93	ND(<50)	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<1.5)
	10-Jun-93	ND(<50)	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<1.5)
	21-Jul-93	61	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<1.5)
	29-Jul-93	ND(<50)	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<1.5)
	18-Aug-93	ND(<50)	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<1.5)
	9-Sep-93	ND(<50)	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<1.5)
Trip Blank	22-Mar-93	ND(<50)	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<1.5)
	30-Mar-93	ND(<50)	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<1.5)
	20-Apr-93	ND(<50)	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<1.5)
	12-May-93	ND(<50)	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<1.5)
	10-Jun-93	ND(<50)	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<1.5)
	18-Aug-93	ND(<50)	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<1.5)
	9-Sep-93	ND(<50)	ND(<0.5)	ND(<0.5)	ND(<0.5)	ND(<1.5)

(a) Analyzed by USEPA Method 8015, modified.
(b) Analyzed by USEPA Method 8020.

TPH Total petroleum hydrocarbons
µg/L Micrograms per liter
ND( ) Laboratory method detection limit; limit in parentheses

Project No. RC11003

Superior Precision Analytical, Inc.
1555 Burke, Unit I • San Francisco, California 94124 • (415) 647-2081 / fax (415) 821-7123

Geraghty & Miller Inc.
Attn: KENT O'BRIEN

Project RC0110.003
Reported 09/15/93

TOTAL PETROLEUM HYDROCARBONS

Lab #	Sample Identification	Sampled	Analyzed	Matrix
14736- 1	INFLUENT	09/09/93	09/14/93	Water
14736- 2	INTERMEDIATE	09/09/93	09/14/93	Water
14736- 3	EFFLUENT	09/09/93	09/14/93	Water
14736- 4	TB-LB	09/09/93	09/14/93	Water

RESULTS OF ANALYSIS

Laboratory Number:	14736- 1	14736- 2	14736- 3	14736- 4
Gasoline:	650	ND<50	ND<50	ND<50
Benzene:	ND<0.5	ND<0.5	ND<0.5	ND<0.5
Toluene:	3.8	ND<0.5	ND<0.5	ND<0.5
Ethyl Benzene:	ND<0.5	ND<0.5	ND<0.5	ND<0.5
Xylenes:	9.1	2.3	ND<1.5	ND<1.5
Concentration:	ug/L	ug/L	ug/L	ug/L

Superior Precision Analytical, Inc.
1555 Burke, Unit I • San Francisco, California 94124 • (415) 647-2081 / fax (415) 821-7123

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: 14736

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

OIL AND GREASE ANALYSIS By Standard Methods Method 5520F:
Minimum Detection Limit in Water: 5000ug/L

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:	101/105	4%	72-116
Benzene:	98/106	8%	71-106
Toluene:	99/107	8%	69-116
Ethyl Benzene:	98/107	9%	66-121
Xylenes:	98/107	9%	67-108

Senior Chemist
Account Manager

Fax copy of Lab Report and COC to Chevron Contact: ☐ No 14736 Chain-of-Custody

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

Chevron Facility Number 9-0019
Facility Address 210 Grand Ave. Oakland
Consultant Project Number [redacted] RC0110.003
Consultant Name Geraghty-Miller
Address 1050 Marina Way South
Project Contact (Name) Kent O'Brien
(Phone) 233320[illegible] (Fax Number) 2333204

Chevron Contact (Name) Mark Miller
(Phone)
Laboratory Name Superior Analytical
Laboratory Release Number 4482030
Samples Collected by (Name)
Collection Date
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 (TCLP or AA)					Remarks
Influent			W	G		HCl	Y	V												
Intermediate			W	G		HCl	Y	V												
Effluent			W	G		HCl	Y	V												
TB LB			W																	

Relinquished By (Signature) [signature] Organization M&M Date/Time 9/10
Relinquished By (Signature) [signature] Organization AERO Date/Time 9/10
Relinquished By (Signature) Organization Date/Time

Received By (Signature) [signature] Organization AERO Date/Time
Received By (Signature) Organization Date/Time
Received For Laboratory By (Signature) Mike Heath, Supervisor Date/Time 9/10/93 3:00

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

Superior Precision Analytical, Inc.
825 Arnold Drive, Suite 114 • Martinez, California 94553 • (510) 229-1512 / fax (510) 229-1526

Geraghty & Miller
Attn: SEAN CONDRY

Project RC11003
Reported 08/26/93

TOTAL PETROLEUM HYDROCARBONS

Lab #	Sample Identification	Sampled	Analyzed	Matrix
89677- 1	CARB 1 IN	08/18/93	08/25/93	Water
89677- 2	CARB 2 IN	08/18/93	08/24/93	Water
89677- 3	CARB 2 OUT	08/18/93	08/24/93	Water
89677- 4	TB-LB	08/18/93	08/24/93	Water

RESULTS OF ANALYSIS

Laboratory Number:	89677- 1	89677- 2	89677- 3	89677- 4
Gasoline:	550	ND<50	ND<50	ND<50
Benzene:	27	ND<0.5	ND<0.5	ND<0.5
Toluene:	3.5	ND<0.5	ND<0.5	ND<0.5
Ethyl Benzene:	2.6	ND<0.5	ND<0.5	ND<0.5
Total Xylenes:	9.3	ND<1.5	ND<1.5	ND<1.5
Concentration:	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: 89677

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:	92/97	5%	70-130
Benzene:	120/101	17%	70-130
Toluene:	118/97	20%	70-130
Ethyl Benzene:	114/98	15%	70-130
Total Xylenes:	114/97	16%	70-130

Senior Chemist

Fax copy of Lab Report and COC to Chevron Contact: [] No 87614 Chain of Custody

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

Chevron Facility Number 9-0019
Facility Address Grand Ave
Consultant Project Number RC11003
Consultant Name Geraghty & Miller
Address 1050 Marina Way South Richmond Ca.
Project Contact (Name) Sean Condry
(Phone) 5102333200 (Fax Number) 5102333204

Chevron Contact (Name) Mark Miller
(Phone)
Laboratory Name Superior Analytical 415-647-2081
Laboratory Release Number 4482030
Samples Collected by (Name) G. Crawley
Collection Date 8/18/93
Signature [signature]

Analyses To Be Performed

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)	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)					Remarks
Carb 1 IN		3	W	G		HCL	Yes	X												
Carb 2 IN		3	W	G		HCL	Yes	X												
Carb 2 Out		3	W	G		HCL	Yes	X												
trip		1						X												

Please Initial: [initials]
Samples stored in ice. yes 4°
Appropriate containers
Samples preserved
VOA's without headspace ✓
Comments:

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
[signature]	G&M	8/19/93 1055	D. [signature]	AERO	8/19/93 1055
D. [signature]	AERO	8-19 11:46			
			Received For Laboratory By (Signature) [signature]		8-19 11:45

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

Superior Precision Analytical, Inc.
825 Arnold Drive, Suite 114 • Martinez, California 94553 • (510) 229-1512 / fax (510) 229-1526

Geraghty & Miller
Attn: Kent O'Brien

Project RC11003
Reported 08/03/93

TOTAL PETROLEUM HYDROCARBONS

Lab #	Sample Identification	Sampled	Analyzed	Matrix
89442- 1	CARB1-IN	07/29/93	08/03/93	Water
89442- 2	CARB2-IN	07/29/93	08/03/93	Water
89442- 3	CARB2-OUT	07/29/93	08/03/93	Water

RESULTS OF ANALYSIS

Laboratory Number:	89442- 1	89442- 2	89442- 3
Gasoline:	3600	ND<50	ND<50
Benzene:	560	ND<0.5	ND<0.5
Toluene:	52	ND<0.5	ND<0.5
Ethyl Benzene:	6.7	ND<0.5	ND<0.5
Xylenes:	120	ND<1.5	ND<1.5
Concentration:	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: 89442

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

OIL AND GREASE ANALYSIS By Standard Methods Method 5520F:
Minimum Detection Limit in Water: 5000ug/L

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:	86/86	0%	70-130
Benzene:	119/118	1%	70-130
Toluene:	113/112	1%	70-130
Ethyl Benzene:	114/114	0%	70-130
Xylenes:	115/115	0%	70-130

8/3/93

Senior Chemist

Fax copy of Lab Report and COC to Chevron Contact: ☒ No 8944.1

Chain-of-Custody-Record

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

Chevron Facility Number 9-0019
Facility Address Grand Ave
Consultant Project Number RC11003
Consultant Name Geraghty & Miller
Address 1050 Marina Way South
Project Contact (Name) Kent O'Brien
(Phone) 510 2333200 (Fax Number) 510 2333204

Chevron Contact (Name) ~~Bob~~ Mark Miller
(Phone)
Laboratory Name ~~STL~~ Superior Analytical
Laboratory Release Number 4482030
Samples Collected by (Name) Sean Risch
Collection Date 7.29.93
Signature Sean Risch

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 (TCLP or AA)					Remarks
CARB1-IN	3	3	W	G		HCl	Yes	✓												
CARB2-IN	3	3	W	G		↓	↓	✓												
CARB2-OUT	3	3	W	G		↓	↓	✓												

Please Initial: RW
Samples Stored in ice: yes 6°
Appropriate containers
Samples preserved
VOA's without headspace
Comments:

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
C. Sean Risch	GEM	7.29.93	Ron Chelf	Aew	7/30/93 3:20 pm
Ron Chelf	Aew	7/30/93 5:24 pm			
			Received For Laboratory By (Signature)		Date/Time
			K. Vanegas		7-30/93 5:30 pm

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

COC-3.DWG/03 91/HCH

Superior Precision Analytical, Inc.
1555 Burke, Unit I • San Francisco, California 94124 • (415) 647-2081 / fax (415) 821-7123

Geraghty & Miller Inc.
Attn: KENT O'BRIEN

Project RCO110003
Reported 07/26/93

TOTAL PETROLEUM HYDROCARBONS

Lab #	Sample Identification	Sampled	Analyzed	Matrix
14616- 1	INFLUENT	07/21/93	07/22/93	Water
14616- 2	INTER	07/21/93	07/22/93	Water
14616- 3	EFF	07/21/93	07/22/93	Water

RESULTS OF ANALYSIS

Laboratory Number:	14616- 1	14616- 2	14616- 3
Gasoline:	2200	ND<50	61
Benzene:	480	ND<0.5	ND<0.5
Toluene:	68	ND<0.5	ND<0.5
Ethyl Benzene:	15	ND<0.5	ND<0.5
Xylenes:	94	ND<1.5	ND<1.5
Concentration:	ug/L	ug/L	ug/L

Superior Precision Analytical, Inc.
1555 Burke, Unit I • San Francisco, California 94124 • (415) 647-2081 / fax (415) 821-7123

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: 14616

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

OIL AND GREASE ANALYSIS By Standard Methods Method 5520F:
Minimum Detection Limit in Water: 5000ug/L

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:	109/108	1%	72-116
Benzene:	99/101	2%	71-106
Toluene:	99/100	1%	69-116
Ethyl Benzene:	100/101	1%	66-121
Xylenes:	98/98	0%	67-108

Richard Srna, Ph.D.
Laboratory Director

14616

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 9-0019
Facility Address 210 GRAND AVE, OAKLAND, CA
Consultant Project Number RC0110003
Consultant Name GERAGHTY & MILLER, INC
Address 1050 MARINA WAY SO, RICHMOND, CA
Project Contact (Name) KENT OBRIEN
(Phone) (510) 233-3200 (Fax Number) (510) 233-3204

Chevron Contact (Name) MARK MILLER
(Phone)
Laboratory Name SUPERIOR
Laboratory Release Number 4482030
Samples Collected by (Name) SEAN CONDRY
Collection Date 7/21/93
Signature Sean Condry

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)	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)					Remarks
								Analyses To Be Performed												
INFLUENT		3	W	G		HCL	Y	✓												
INTER		3	↓	↓		↓	↓	✓												
EFF		3	↓	↓		↓	↓	✓									SS			

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
Sean Condry				Aero	7/22 12:05
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
	Aero	7/22 1:03			
Relinquished By (Signature)	Organization	Date/Time	Received For Laboratory By (Signature)		Date/Time
					7/22/93 1:00

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: ☒ 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 9-0019
Facility Address 210 Grand Ave. Oakland
Consultant Project Number ~~[illegible]~~ RC0110.003
Consultant Name Geraghty - Miller
Address 1050 Marina Way South
Project Contact (Name) Kent O'Brien
(Phone) 2333200 (Fax Number) 2333204

Chevron Contact (Name) Mark Miller
(Phone)
Laboratory Name Superior Analytical
Laboratory Release Number 4482030
Samples Collected by (Name)
Collection Date
Signature

Sample Number	Lab Sample Number	Number of Containers	Matrix S = Soil W = Water A = Air C = Charcoal	Type C = Grab 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 (TCLP or AA)						Remarks
Influent			W	G		HCl	Y	V													
Intermediate			W	G		HCl	Y	V													
Effluent			W	G		HCl	Y	V													
BLB			W					V													

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time	Turn Around Time (Circle Choice)
[signature]	GSM	2/4 9/10	[signature]	AERO		24 Hrs.
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time	48 Hrs.
						5 Days