Chevron U.S.A. Products Company
2410 Camino Ramon, San Ramon, California • Phone (510) 842-9500
Mail Address P.O. Box 5004, San Ramon, CA 94583-0804

93 APR 14 PM 1:52

April 12, 1993

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

Re: Chevron Service Station #9-0504
15900 Hesperian Boulevard, San Lorenzo, CA

Dear Ms. Shin:

Enclosed is the Quarterly Ground Water Monitoring Report dated March 10, 1993, prepared by our consultant Alton Geoscience for the above referenced site. As indicated in the report, groundwater samples collected were analyzed for total petroleum hydrocarbons as gasoline (TPH-g) and BTEX. Benzene was detected only in monitor wells C-3 and C-8 at concentrations of 7.4 and 81 ppb, respectively. Depth to groundwater was measured at approximately 8.8 to 12.5 feet below grade, and the direction of flow is to the southwest.

The on-site groundwater remediation system has been installed and was started on September 2, 1992. As of February 19, 1993, the system has treated approximately 161,073 gallons of ground water. The system has been temporarily shut off to replace the pumps in wells C-1 and C-2 which were damaged by silt.

If you have any questions or comments, please do not hesitate to contact me at (510) 842-8134.

Very truly yours,
CHEVRON U.S.A. PRODUCTS COMPANY

Mark A. Miller
Site Assessment and Remediation Engineer

Enclosure

cc: Mr. Eddy So, RWQCB - Bay Area
Mr. Thomas Berry - Weiss Associates
Mr. S.A. Willer
File (9-0504 QM3)

Mr. Bruce E. Prigoff, Esq.
Steefel, Levitt & Weiss
One Embarcadero Center, 29th Floor
San Francisco, CA 94111

ALTON GEOSCIENCE
THE RESULTS TEAM

March 10, 1993

Mr. Mark Miller
Chevron U.S.A. Products Company
Post Office Box 5004
San Ramon, California 94583-0804

31-0561

Subject: Quarterly Ground Water Monitoring Report
Chevron Service Station No. 9-0504
15900 Hesperian Boulevard
San Lorenzo, California

Dear Mr. Miller:

In accordance with our agreement, Alton Geoscience transmits this Quarterly Ground Water Monitoring and Sampling Report for Chevron Station No. 9-0504, 15900 Hesperian Boulevard, San Lorenzo, California. Figure 1 shows the site location.

Monitoring and sampling of the ground water monitoring wells was performed on January 20, 1993, in accordance with the requirements and procedures of the California Regional Water Quality Control Board (RWQCB) and local regulatory agencies.

FIELD PROCEDURES

Prior to purging and sampling the wells, each well was checked for liquid-phase hydrocarbons or sheen. The depth to ground water and, if present, free product thickness was measured in each well from the top of casing using an electronic interface probe with 0.01 foot tolerance.

Ground water samples were collected using a clean bailer after more than 3 casing volumes of ground water were purged from each well. Ground water samples were then decanted into the appropriate clean sample containers for delivery to a California-certified laboratory following proper preservation and chain of custody procedures. Purged ground water was disposed of into the onsite treatment system.

5870 Stoneridge Drive, Suite 6
Pleasanton, California 94588
(510) 734-8134 • FAX (510) 734-8420

SAMPLING AND ANALYTICAL RESULTS

The results of the monitoring and laboratory analyses of ground water samples for this quarter, as well as the results of previous monitoring and sampling events, are summarized in Table 1. Based on the previous wellhead elevation survey data and depth to water measurements collected during this monitoring event, ground water elevations and the general ground water gradient direction at this site are presented in Figure 2.

No liquid-phase hydrocarbons or sheen were observed in any of the ground water samples. The official laboratory reports and chain of custody records are included in Appendix A.

Please call Jon S. Vail at (510) 734-8134 if you have any questions regarding this report.

Sincerely,

ALTON GEOSCIENCE,

Jon S. Vail
Staff Scientist

Peter C. Lange, R.G. 5089
Associate, Northern California Operations

wp90504jv

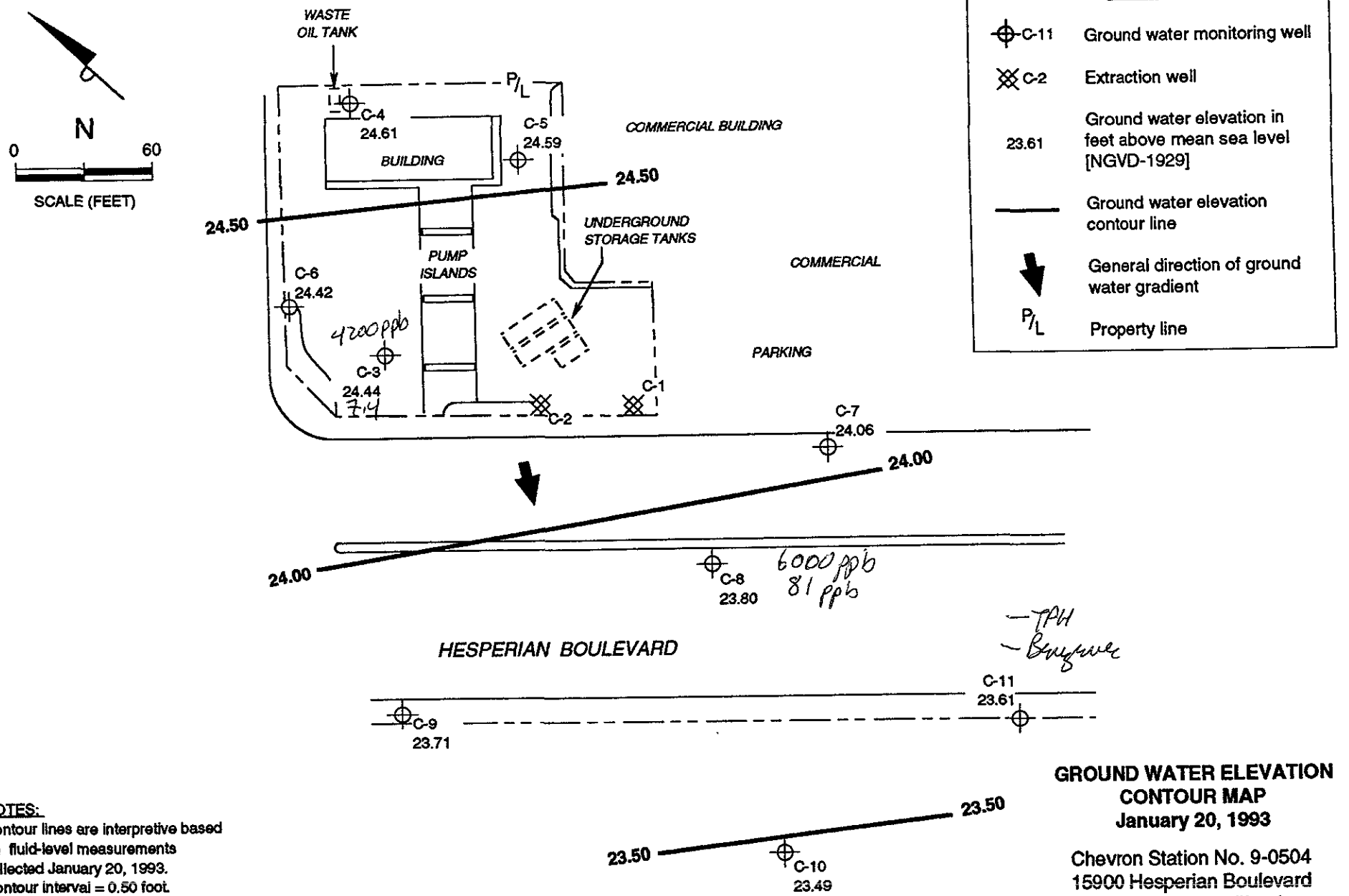
FIGURE 1: SITE VICINITY MAP

CHEVRON SERVICE STATION
NUMBER 9-0504
15900 HESPERIAN BOULEVARD
SAN LORENZO, CALIFORNIA

SOURCE: THE THOMAS GUIDE
ALAMEDA COUNTY STREET
GUIDE & DIRECTORY

PROJECT NO. 31-0561

ALTON GEOSCIENCE
Pleasanton, California



NOTES:
Contour lines are interpretive based on fluid-level measurements collected January 20, 1993.
Contour interval = 0.50 foot.

GROUND WATER ELEVATION CONTOUR MAP
January 20, 1993

Chevron Station No. 9-0504
15900 Hesperian Boulevard
San Lorenzo, California

ALTON GEOSCIENCE
Pleasanton, California

Source: Geostrategies, Inc.

FIGURE 2

31-0561 3/5/93

Table 1
Summary of Results of Ground Water Sampling
Chevron Service Station No. 9-0504
15900 Hesperian Boulevard, San Lorenzo, California

Concentrations in parts per billion (ppb)

WELL ID	DATE OF SAMPLING/ MONITORING	TOP OF WELL BOX ELEV.	DEPTH TO WATER	L-PH	GROUND WATER ELEV.	TPH-G	TPH-D	B	T	E	X	TOG	TPH-O	LAB
C-1	06/06/89	---	---	---	---	5100	---	250	170	200	990	---	---	NA
C-1	12/08/89	---	13.14	0.01	---	---	---	---	---	---	---	---	---	NA
C-1	09/07/90	33.93	14.04	0.03	19.91	---	---	---	---	---	---	---	---	NA
C-1	12/20/90	33.93	13.87	0.01	20.07	---	---	---	---	---	---	---	---	NA
C-1	03/15/91	33.93	11.40	---	22.53	37000	---	220	53	580	1900	---	---	SAL
C-1	06/28/91	33.93	12.25	SHEEN	21.68	3300	---	110	6.2	100	350	---	---	SAL
C-1	09/26/91	33.93	14.02	---	19.91	3200	---	220	6.9	230	710	---	---	SAL
C-1	01/27/92	33.93	12.63	---	21.30	330	---	20	0.6	10	48	---	---	SAL
C-1	04/20/92	33.93	10.43	---	23.50	2700	---	130	3.4	200	690	---	---	SAL
C-1	07/17/92	33.93	12.61	---	21.32	490	---	17	ND<0.5	19	52	---	---	SAL
C-1*	10/29/92	33.93	---	---	---	---	---	---	---	---	---	---	---	NA
C-1**	01/20/93	33.93	9.42	---	24.51	---	---	---	---	---	---	---	---	NA
C-2	06/06/89	---	---	---	---	130000	---	14000	28000	3400	24000	---	---	NA
C-2	12/08/89	---	13.44	0.15	---	---	---	---	---	---	---	---	---	NA
C-2	09/07/90	34.21	14.28	0.10	20.01	---	---	---	---	---	---	---	---	NA
C-2	12/20/90	34.21	14.06	0.01	20.16	---	---	---	---	---	---	---	---	NA
C-2	03/15/91	34.21	11.59	0.01	22.63	1200000	---	4700	16000	13000	140000	---	---	SAL
C-2	06/28/91	34.21	12.55	SHEEN	21.66	150000	---	3500	4200	2100	16000	---	---	SAL
C-2	09/26/91	34.21	14.20	---	20.01	4900	---	220	290	130	880	---	---	SAL
C-2	01/27/92	34.21	12.46	---	21.75	8200	---	510	590	230	1300	---	---	SAL
C-2	04/20/92	34.21	10.24	---	23.97	19000	---	1700	1700	930	4700	---	---	SAL
C-2	07/17/92	34.21	12.81	---	21.40	20000	---	950	640	1300	4700	---	---	SAL
C-2*	10/29/92	34.21	---	---	---	---	---	---	---	---	---	---	---	NA
C-2**	01/20/93	34.21	8.79	---	25.42	---	---	---	---	---	---	---	---	NA

Table 1
Summary of Results of Ground Water Sampling
Chevron Service Station No. 9-0504
15900 Hesperian Boulevard, San Lorenzo, California

Concentrations in parts per billion (ppb)

WELL ID	DATE OF SAMPLING/ MONITORING	TOP OF WELL BOX ELEV.	DEPTH TO WATER	L-PH	GROUND WATER ELEV.	TPH-G	TPH-D	B	T	E	X	TOG	TPH-O	LAB
C-3	06/06/89	---	---	---	---	2600	---	63	20	390	370	---	---	NA
C-3	12/08/89	---	---	---	---	680	---	6	1	31	58	---	---	SAL
C-3	09/07/90	35.46	15.31	---	20.15	490	---	6	ND<0.5	41	120	---	---	SAL
C-3D	09/07/90	35.46	15.31	---	20.15	460	---	6	ND<0.5	40	110	---	---	SAL
C-3	12/20/90	35.46	15.17	---	20.29	100	---	5	ND<0.5	27	130	---	---	SAL
C-3	03/06/91	35.46	13.27	---	22.19	1300	---	7	ND<0.5	75	250	---	---	SAL
C-3D	03/06/91	35.46	13.27	---	22.19	1400	---	8	ND<0.5	76	250	---	---	SAL
C-3	06/28/91	35.46	13.67	---	21.79	770	---	6.0	ND<0.5	81	71	---	---	SAL
C-3D	06/28/91	35.46	13.67	---	21.79	990	---	5.5	ND<0.5	86	75	---	---	SAL
C-3	09/26/91	35.46	15.32	---	20.14	1400	---	7.9	ND<0.5	98	340	---	---	SAL
C-3	01/27/92	35.46	13.91	---	21.55	150	---	0.7	ND<0.5	12	12	---	---	SAL
C-3	04/20/92	35.46	11.66	---	23.80	1600	---	9.3	1.0	190	370	---	---	SAL
C-3	07/17/92	35.46	13.96	---	21.50	460	---	18	ND<0.5	20	52	---	---	SAL
C-3	10/29/92	35.46	15.51	---	19.95	520	---	2.4	1.0	30	79	---	---	SAL
C-3	01/20/93	35.46	10.99	---	24.47	4200	---	7.4	ND<0.5	140	380	---	---	SAL
C-4	06/06/89	---	---	---	---	ND<50	---	ND<0.05	ND<1	ND<1	ND<3	---	ND<500	NA
C-4	12/08/89	---	---	---	---	ND<500	ND<1000	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5000	---	SAL
C-4	09/07/90	35.78	15.58	---	20.20	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5000	---	SAL
C-4	12/20/90	35.78	15.42	---	20.36	170	---	1	ND<0.5	ND<0.5	4	---	---	SAL
C-4	03/06/91	35.78	13.54	---	22.24	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	SAL
C-4	06/28/91	35.78	13.93	---	21.85	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.8	---	---	SAL
C-4	09/26/91	35.78	15.64	---	20.14	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	SAL
C-4D	09/26/91	35.78	15.64	---	20.14	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	SAL
C-4	01/27/92	35.78	13.96	---	21.82	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	SAL
C-4	04/20/92	35.78	11.71	---	24.07	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	SAL
C-4	07/17/92	35.78	14.19	---	21.59	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	SAL
C-4	10/29/92	35.78	15.72	---	20.06	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	SAL
C-4	01/20/93	35.78	11.17	---	24.61	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	SAL

Table 1
Summary of Results of Ground Water Sampling
Chevron Service Station No. 9-0504
15900 Hesperian Boulevard, San Lorenzo, California

Concentrations in parts per billion (ppb)

WELL ID	DATE OF SAMPLING/ MONITORING	TOP OF WELL BOX ELEV.	DEPTH TO WATER	L-PH	GROUND WATER ELEV.	TPH-G	TPH-D	B	T	E	X	TOG	TPH-O	LAB
C-5	06/06/89	---	---	---	---	ND<50	---	ND<0.05	ND<1	ND<1	ND<3	---	---	NA
C-5	12/08/89	---	---	---	---	ND<500	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	SAL
C-5	09/07/90	35.31	15.10	---	20.21	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	SAL
C-5	12/20/90	35.31	14.94	---	20.37	80	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	SAL
C-5	03/06/91	35.31	13.06	---	22.25	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	SAL
C-5	06/28/91	35.31	13.46	---	21.85	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	SAL
C-5	09/26/91	35.31	15.14	---	20.17	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	SAL
C-5	01/27/92	35.31	13.31	---	22.00	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	SAL
C-5	04/20/92	35.31	11.10	---	24.21	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	SAL
C-5	07/17/92	35.31	13.73	---	21.58	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	SAL
C-5	10/29/92	35.31	15.20	---	20.11	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	SAL
C-5	01/20/09	35.31	10.72	---	24.59	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	SAL
C-6	12/08/89	---	---	---	---	ND<500	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	SAL
C-6	09/07/90	36.89	16.83	---	20.06	57	---	ND<0.5	ND<0.5	0.6	4	---	---	SAL
C-6	12/20/90	36.89	16.66	---	20.23	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	SAL
C-6	03/06/91	36.89	14.80	---	22.09	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	SAL
C-6	06/28/91	36.89	15.16	---	21.73	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	SAL
C-6	09/26/91	36.89	16.82	---	20.07	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	SAL
C-6	01/27/92	36.89	15.44	---	21.45	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	SAL
C-6	04/20/92	36.89	13.17	---	23.72	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	SAL
C-6	07/17/92	36.89	15.44	---	21.45	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	SAL
C-6	10/29/92	36.89	16.98	---	19.91	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	SAL
C-6	01/20/93	36.89	12.47	---	24.42	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	SAL

Table 1
Summary of Results of Ground Water Sampling
Chevron Service Station No. 9-0504
15900 Hesperian Boulevard, San Lorenzo, California

Concentrations in parts per billion (ppb)

WELL ID	DATE OF SAMPLING/ MONITORING	TOP OF WELL BOX ELEV.	DEPTH TO WATER	L-PH	GROUND WATER ELEV.	TPH-G	TPH-D	B	T	E	X	TOG	TPH-O	LAB
C-7	12/08/89	---	---	---	---	1700	---	32	12	17	150	---	---	SAL
C-7	09/07/90	32.75	13.02	---	19.73	880	---	84	23	46	180	---	---	SAL
C-7	12/20/90	32.75	12.28	---	20.47	560	---	24	3	19	21	---	---	SAL
C-7	03/06/91	32.75	16.92	---	15.83	240	---	25	2	4	26	---	---	SAL
C-7	06/28/91	32.75	11.31	---	21.44	2600	---	130	13	82	220	---	---	SAL
C-7	09/26/91	32.75	12.28	---	20.47	8100	---	47	35	350	1200	---	---	SAL
C-7	01/27/92	32.75	11.43	---	21.32	12000	---	170	40	420	830	---	---	SAL
C-7	04/20/92	32.75	9.28	---	23.47	1200	---	80	11	90	110	---	---	SAL
C-7	07/17/92	32.75	11.49	---	21.26	2400	---	20	7.4	95	200	---	---	SAL
C-7	10/29/92	32.75	13.05	---	19.70	69	---	1.3	ND<0.5	3.8	7.2	---	---	SAL
C-7	01/20/93	32.75	8.69	---	24.06	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	SAL
C-8	12/08/89	---	---	---	---	4800	---	62	11	95	180	---	---	SAL
C-8	09/07/90	33.82	14.32	---	19.50	3700	---	170	31	180	270	---	---	SAL
C-8	12/20/90	33.82	14.21	---	19.61	3900	---	120	20	130	180	---	---	SAL
C-8	03/06/91	33.82	14.80	---	19.02	1200	---	45	6	34	57	---	---	SAL
C-8	06/28/91	33.82	12.65	---	21.17	6900	---	180	46	340	640	---	---	SAL
C-8	09/26/91	33.82	14.29	---	19.53	1400	---	66	9.8	38	40	---	---	SAL
C-8	01/27/92	33.82	12.60	---	21.22	3600	---	100	26	170	260	---	---	SAL
C-8	04/20/92	33.82	10.36	---	23.46	2600	---	110	32	180	260	---	---	SAL
C-8	07/17/92	33.82	12.88	---	20.94	1100	---	34	5.9	35	52	---	---	SAL
C-8	10/29/92	33.82	14.39	---	19.43	820	---	29	4.8	23	27	---	---	SAL
C-8	01/20/93	33.82	10.02	---	23.80	6000	---	81	22	200	310	---	---	SAL

Table 1
Summary of Results of Ground Water Sampling
Chevron Service Station No. 9-0504
15900 Hesperian Boulevard, San Lorenzo, California

Concentrations in parts per billion (ppb)

WELL ID	DATE OF SAMPLING/ MONITORING	TOP OF WELL BOX ELEV.	DEPTH TO WATER	L-PH	GROUND WATER ELEV.	TPH-G	TPH-D	B	T	E	X	TOG	TPH-O	LAB
C-9	09/07/90	33.43	14.06	---	19.37	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	SAL
C-9	12/20/90	33.43	14.03	---	19.40	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	SAL
C-9	03/06/91	33.43	12.12	---	21.31	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	SAL
C-9	06/28/91	33.43	12.41	---	21.02	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	SAL
C-9	09/26/91	33.43	14.02	---	19.41	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	SAL
C-9	01/27/92	33.43	12.53	---	20.90	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	SAL
C-9	04/20/92	33.43	10.22	---	23.21	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	SAL
C-9	07/17/92	33.43	12.64	---	20.79	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	SAL
C-9	10/29/92	33.43	14.20	---	19.23	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	SAL
C-9	01/20/93	33.43	9.72	---	23.71	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	SAL
C-10	09/07/90	31.63	12.49	---	19.14	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	SAL
C-10	12/20/90	31.63	12.36	---	19.27	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	SAL
C-10	03/06/91	31.63	10.45	---	21.18	ND<50	---	ND<0.5	0.8	ND<0.5	0.8	---	---	SAL
C-10	06/28/91	31.63	10.74	---	20.89	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	SAL
C-10	09/26/91	31.63	12.42	---	19.21	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	SAL
C-10	01/27/92	31.63	10.84	---	20.79	ND<50	---	ND<0.5	1.3	ND<0.5	ND<0.5	---	---	SAL
C-10D	01/27/92	31.63	10.84	---	20.79	ND<50	---	ND<0.5	1.3	ND<0.5	ND<0.5	---	---	SAL
C-10	04/20/92	31.63	8.55	---	23.08	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	SAL
C-10	07/17/92	31.63	11.02	---	20.61	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	SAL
C-10	10/29/92	31.63	12.40	---	19.23	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	SAL
C-10	01/20/93	31.63	8.14	---	23.49	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	SAL
C-11	09/07/90	31.58	12.22	---	19.36	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	SAL
C-11	12/20/90	31.58	12.08	---	19.50	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	SAL
C-11	03/06/91	31.58	16.15	---	15.43	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	SAL
C-11	06/28/91	31.58	10.52	---	21.06	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	SAL
C-11	09/26/91	31.58	12.20	---	19.38	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	SAL
C-11	01/27/92	31.58	10.73	---	20.85	ND<50	---	ND<0.5	0.8	ND<0.5	ND<0.5	---	---	SAL
C-11	04/20/92	31.58	8.56	---	23.02	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	SAL
C-11	07/17/92	31.58	10.78	---	20.80	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	SAL
C-11	10/29/92	31.58	12.07	---	19.51	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	SAL
C-11	01/20/93	31.58	7.97	---	23.61	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	SAL

Table 1
Summary of Results of Ground Water Sampling
Chevron Service Station No. 9-0504
15900 Hesperian Boulevard, San Lorenzo, California

Concentrations in parts per billion (ppb)

WELL ID	DATE OF SAMPLING/ MONITORING	TOP OF WELL BOX ELEV.	DEPTH TO WATER	L-PH	GROUND WATER ELEV.	TPH-G	TPH-D	B	T	E	X	TOG	TPH-O	LAB
TB	09/07/90	NA	NA	NA	NA	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	SAL
TB	03/06/91	NA	NA	NA	NA	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	SAL
TB	06/28/91	NA	NA	NA	NA	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	SAL
TB	09/26/91	NA	NA	NA	NA	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	SAL
TB	01/27/92	NA	NA	NA	NA	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	SAL
TB	04/20/92	NA	NA	NA	NA	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	SAL
TB	07/17/92	NA	NA	NA	NA	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	SAL
TB	10/29/92	NA	NA	NA	NA	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	SAL
TB	01/20/93	NA	NA	NA	NA	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	SAL
RINSATE	03/06/91	NA	NA	NA	NA	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	SAL
RINSATE	09/26/91	NA	NA	NA	NA	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	SAL
RINSATE	01/27/92	NA	NA	NA	NA	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	SAL
RINSATE	04/20/92	NA	NA	NA	NA	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	SAL
RINSATE	07/17/92	NA	NA	NA	NA	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	SAL
RINSATE	10/29/92	NA	NA	NA	NA	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	SAL

EXPLANATION OF ABBREVIATIONS:

TPH-G :Total Petroleum Hydrocarbons as Gasoline (EPA method 8015 modified)
TPH-D :Total Petroleum Hydrocarbons as Diesel (EPA method 8015 modified)
TPH-O :Total Petroleum Hydrocarbons as Oil (EPA method 8015 modified)
TOG :Total Oil and Grease (EPA method 5520)
L-PH :Liquid-Phase Hydrocarbons (expressed in feet)

B :Benzene (EPA Method 8020 or 8240)
T :Toluene (EPA Method 8020 or 8240)
E :Ethylbenzene (EPA Method 8020 or 8240)
X :Xylenes (EPA Method 8020 or 8240)
ND :Not detected
NA :Not applicable/Not available
--- :Not analyzed/Not measured
TB :Trip Blank
SAL :Superior Analytical Laboratory
* :Well connected to active recovery system.
** :May not be accurate DTW due to recovery system.

Note: Top of well box and ground water elevations are expressed at feet below mean sea level (NGVD - 1929)

APPENDIX A

OFFICIAL LABORATORY RESULTS
AND
CHAIN OF CUSTODY FORMS

FEB 2 1993

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

Alton Geoscience
Attn: DALE SWAIN

Project 31-0561
Reported 01/29/93

TOTAL PETROLEUM HYDROCARBONS

Lab #	Sample Identification	Sampled	Analyzed	Matrix
14038- 1	TB-LB	01/20/93	01/28/93	Water
14038- 2	C-4	01/20/93	01/27/93	Water
14038- 3	C-5	01/20/93	01/27/93	Water
14038- 4	C-6	01/20/93	01/27/93	Water
14038- 5	C-9	01/20/93	01/27/93	Water
14038- 6	C-10	01/20/93	01/27/93	Water
14038- 7	C-11	01/20/93	01/27/93	Water
14038- 8	C-7	01/20/93	01/27/93	Water
14038- 9	C-3	01/20/93	01/27/93	Water
14038-10	C-8	01/20/93	01/27/93	Water

RESULTS OF ANALYSIS

Laboratory Number:	14038- 1	14038- 2	14038- 3	14038- 4	14038- 5
Gasoline:	ND<50	ND<50	ND<50	ND<50	ND<50
Benzene:	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
Toluene:	ND<0.5	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
Xylenes:	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
Concentration:	ug/L	ug/L	ug/L	ug/L	ug/L

Laboratory Number:	14038- 6	14038- 7	14038- 8	14038- 9	14038-10
Gasoline:	ND<50	ND<50	ND<50	4200	6000
Benzene:	ND<0.5	ND<0.5	ND<0.5	7.4	81
Toluene:	ND<0.5	ND<0.5	ND<0.5	ND<0.5	22
Ethyl Benzene:	ND<0.5	ND<0.5	ND<0.5	140	200
Xylenes:	ND<0.5	ND<0.5	ND<0.5	380	310
Concentration:	ug/L	ug/L	ug/L	ug/L	ug/L

FEB 2 1993

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: 14038

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:	99/101	2%	76-111
Benzene:	88/88	0%	78-110
Toluene:	89/88	1%	78-111
Ethyl Benzene:	87/87	0%	78-118
Xylenes:	96/95	1%	73-113

Richard Srna, Ph.D.
Laboratory Director

ax copy of Lab Report and COC to Chevron Contact: ☒ No 11035

Chain-of-Custody-Record

evron U.S.A. Inc.
.O. BOX 5004
n Ramon, CA 94583
X (415)842-9591

Chevron Facility Number 9-0504
Facility Address 15900 Hesperian Blvd, San Lorenzo
Consultant Project Number 31-0581
Consultant Name ALTON GEOSCIENCE
Address 5870 Stoneridge Dr. #6, Pleasanton
Project Contact (Name) Dale Swain
(Phone) (510) 734-8734 (Fax Number) (510) 734-8420

Chevron Contact (Name) Mark Miller
(Phone) (510) 842-9500
Laboratory Name Superior Analytical
Laboratory Release Number 7583810
Samples Collected by (Name) Jon VAIL
Collection Date 1-20-93
Signature

FEB 2 1993

Sample Number	Lab Sample Number	Number of Containers	Matrix: S = Soil W = Water A = Air C = Charcoal	Type: G = Grab C = Composite D = Discrete	Time	Sample Preservation	Iced (Yes or No)	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)	Analyses To Be Performed	Remarks
TB-LB		1	W	G	0900	HCl	Y	X									Analyze
C-4		2	W	G	1236		Y	X									
C-5		2	W	G	1249		Y	X									
C-6		2	W	G	1305		Y	X									
C-9		2	W	G	1330		Y	X									
C-10		2	W	G	1344		Y	X									
C-11		2	W	G	1421		Y	X									
C-7		2	W	G	1450		Y	X									
C-3		2	W	G	1506		Y	X									
C-8		2	W	G	1526	↓	Y	X									

Do Not Bill Chevron for TB-LB

Please initial:
Samples stored in ice.
Appropriate containers.
Samples preserved.
VOA's without headspace.
Comments:

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
	ALTON	1/22/93		EKI	1/22 0845
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
	EKI	1/22 1600			
Relinquished By (Signature)	Organization	Date/Time	Received For Laboratory By (Signature)		Date/Time
			R. Vaulkas		1-22-93 10:00 am

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