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

92 SEP 15 AM 8:31

September 8, 1992

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

Re: Chevron Service Station #9-0504
15900 Hesperian Blvd., San Lorenzo

Dear Ms. Shin:

Enclosed we are forwarding the Quarterly Ground Water Monitoring Report dated August 28, 1992, 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 in monitor wells C-1, C-2, C-3, C-7, and C-8 only at concentrations of 17, 950, 18, 20, and 34 ppb, respectively. Depth to groundwater was measured at approximately 11.5 to 15.5 feet below grade, and the direction of flow is to the southwest.

The on-site groundwater remediation system has been installed and we are currently awaiting approval from the Ora Loma Sanitary District to start the system.

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

Enclosures

cc: Mr. Eddy So, RWQCB-Bay Area
Ms. B.C. Owen
File (9-0504 M1)

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

ALTON GEOSCIENCE
THE RESULTS TEAM

August 28, 1992

Ms. Nancy Vukelich
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 Ms. Vukelich:

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 July 17, 1992, 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 analytical samples were collected after more than 3 casing volumes of ground water was purged from each well. Each sample was collected using a clean bailer. 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 transferred to a 600-gallon, trailer-mounted, steel tank (California Department of Health Services-registered), and delivered as non-hazardous to the Chevron Richmond Terminal for treatment.

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 Dale P. Swain at (510) 734-8134 if you have any questions regarding this report.

Sincerely,

ALTON GEOSCIENCE,

Dale P. Swain
Staff Scientist

Robert E. Logan R. G. 5088
Manager, Northern California Operations

wp90504ds

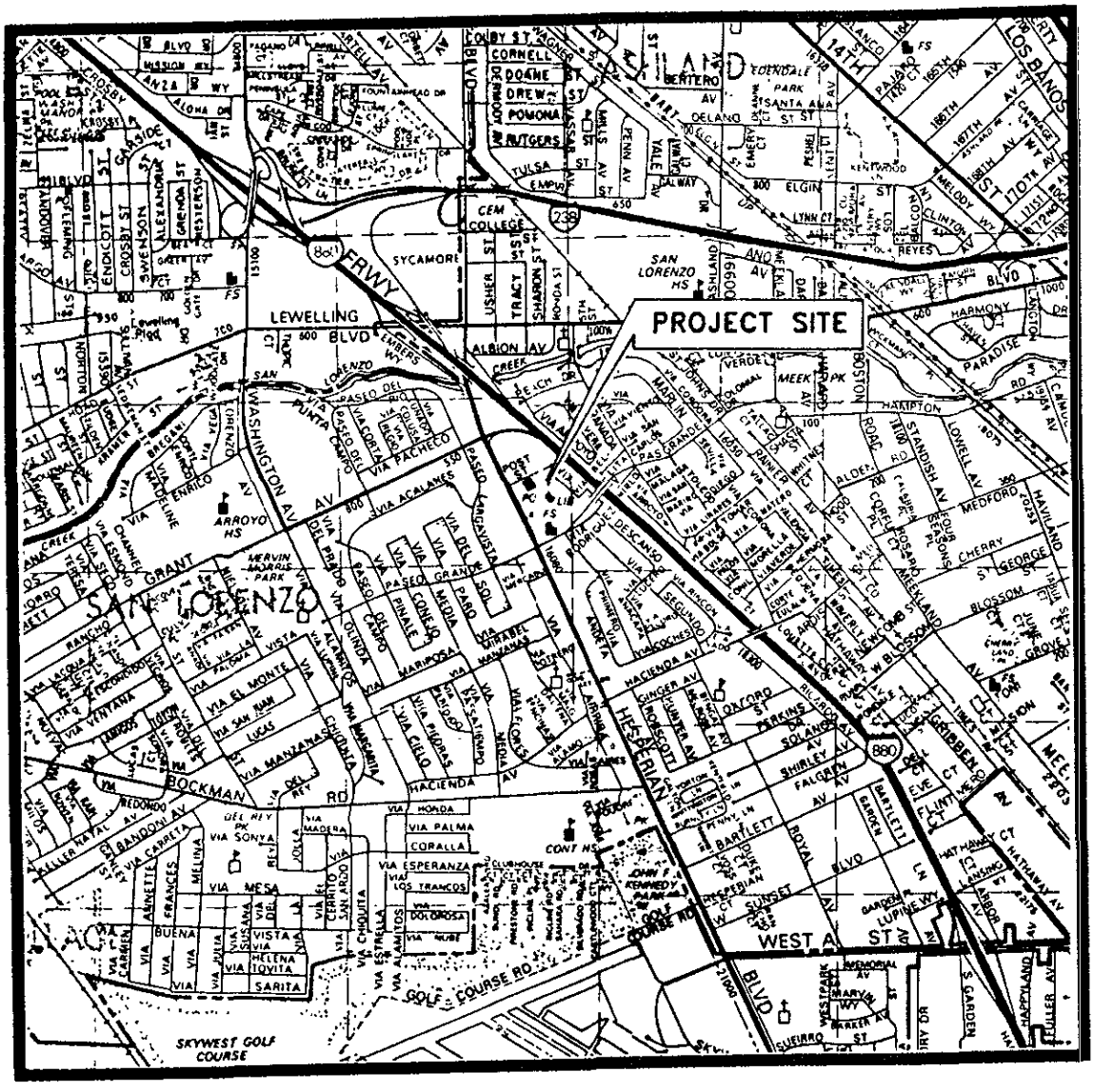


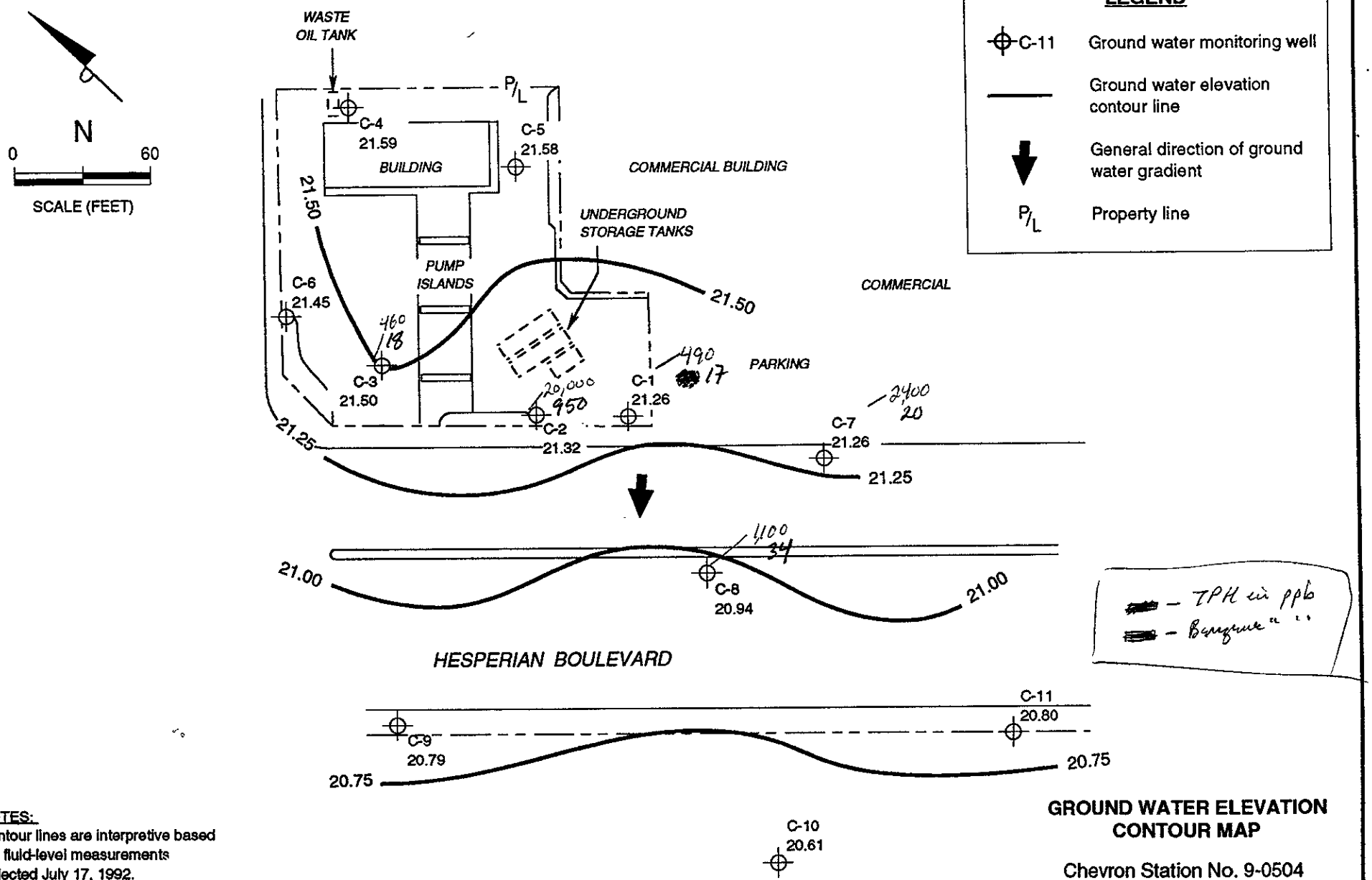
FIGURE 1: SITE VICINITY MAP

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 July 17, 1992.
Contour interval = 0.25 foot.

ALTON GEOSCIENCE
Pleasanton, California

Source: Geostrategies, Inc.

GROUND WATER ELEVATION CONTOUR MAP

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

FIGURE 2

31-0561 9/92

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-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-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

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-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-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-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

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-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-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

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-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-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
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

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
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

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

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

APPENDIX A

OFFICIAL LABORATORY RESULTS
AND
CHAIN OF CUSTODY FORMS

Superior Precision Analytical, Inc.
835 Arnold Drive, Suite 106 • Martinez, California 94553 • (510) 229-0166 / fax (510) 229-0916

AUG - 3 1992
AUG - ?

Alton Geoscience
Attn: DALE SWAIN

Project 31-0561
Reported 07/29/92

TOTAL PETROLEUM HYDROCARBONS

Lab #	Sample Identification	Sampled	Analyzed	Matrix
86273- 1	TB-LB	07/17/92	07/27/92	Water
86273- 2	RIN	07/17/92	07/26/92	Water
86273- 3	C-4	07/17/92	07/26/92	Water
86273- 4	C-5	07/17/92	07/26/92	Water
86273- 5	C-6	07/17/92	07/27/92	Water
86273- 6	C-9	07/17/92	07/26/92	Water
86273- 7	C-10	07/17/92	07/26/92	Water
86273- 8	C-11	07/17/92	07/26/92	Water
86273- 9	C-7	07/17/92	07/27/92	Water
86273-10	C-8	07/17/92	07/26/92	Water

RESULTS OF ANALYSIS

Laboratory Number:	86273- 1	86273- 2	86273- 3	86273- 4	86273- 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:	86273- 6	86273- 7	86273- 8	86273- 9	86273-10
Gasoline:	ND<50	ND<50	ND<50	2400	1100
Benzene:	ND<0.5	ND<0.5	ND<0.5	20	34
Toluene:	ND<0.5	ND<0.5	ND<0.5	7.4	5.9
Ethyl Benzene:	ND<0.5	ND<0.5	ND<0.5	95	35
Xylenes:	ND<0.5	ND<0.5	ND<0.5	200	52
Concentration:	ug/L	ug/L	ug/L	ug/L	ug/L

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Alton Geoscience
Attn: DALE SWAIN

Project 31-0561
Reported 07/29/92

TOTAL PETROLEUM HYDROCARBONS

Lab #	Sample Identification	Sampled	Analyzed	Matrix
86273-11	C-1	07/17/92	07/27/92	Water
86273-12	C-3	07/17/92	07/26/92	Water
86273-13	C-2	07/17/92	07/29/92	Water

RESULTS OF ANALYSIS

Laboratory Number:	86273-11	86273-12	86273-13
Gasoline:	490	460	20000
Benzene:	17	18	950
Toluene:	ND<0.5	ND<0.5	640
Ethyl Benzene:	19	20	1300
Xylenes:	52	52	4700
Concentration:	ug/L	ug/L	ug/L

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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: 86273

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	SPIKE LEVEL	MS/MSD RECOVERY	RPD	CONTROL LIMIT
Gasoline:	200 ng	91/92	1	70-130
Benzene:	200 ng	91/91	0	70-130
Toluene:	200 ng	91/90	1	70-130
Ethyl Benzene:	200 ng	93/92	1	70-130
Xylenes:	200 ng	97/96	1	70-130

Richard Srna, Ph.D.
Laboratory Director

Fax copy of Lab Report and COC to Chevron Contact: ☐ Yes ☒ No 86273

Chain-of-Custody-Record

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

Chevron Facility Number: 9-0504
Facility Address: 15900 Hesperian Blvd., San Lorenzo
Consultant Project Number: 31-056
Consultant Name: Alton GEOScience
Address: 5870 Stoneridge Dr., Suite 6, Pleasanton
Project Contact (Name): Dale Swain
(510) (Phone) 734-8134 (Fax Number) 734-8134

Chevron Contact (Name): Nancy Ubelich
(Phone): (510) 842-9500
Laboratory Name: SAL
Laboratory Release Number: 6827620
Samples Collected by (Name): Long
Collection Date: 7/17/92
Signature:

Do Not Bill Chevron For TB-LB

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
TB	1	1	W	G	1117	HCl	Yes	X								
RIN	2	1			1118											
C-4	3	2			1121											
C-5	4				1131											
C-6	5				1141											
C-9	6				1151											
C-10	7				1201											
C-11	8				1211											
C-7	9				1220											
C-8	10				1231											
C-1	11				1249											
C-3	12				1301											
C-2	13				1311											

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	7/20/92 1000		EXPRESS-IT	7-21-92 1000
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
	EXPRESS-IT	7-20-92 1033		EXPRESS-IT	7/20/92 11:10
Relinquished By (Signature)	Organization	Date/Time	Received For Laboratory By (Signature)		Date/Time
	EXPRESS-IT	7/20/92 11:30			7/20/92 11:30 AM

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

COC-3.DWG/03 91/HCH