

revised 5-6-92
SOS



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

Marketing Department

March 31, 1992

Mr. Scott Seery
Alameda County Environmental Health
80 Swan Way, Room 200
Oakland, CA 94621

Re: Former Chevron Service Station #9-2960
2416 Grove Way, Castro Valley, CA 94546

Mr. Seery:

Enclosed is the quarterly groundwater monitoring and sampling report dated March 23, 1992. Samples from monitoring well, C-5, C-6, and C-7, were nondetect (ND) for total petroleum hydrocarbon as gasoline (TPH-G), benzene, toluene, ethylbenzene, and xylenes (BTEX). ~~Well~~ ~~sample C-2 contained 3200 ppb TPH-G, 250 ppb benzene, 230 ppb toluene, 59 ppb ethylbenzene,~~ ~~and 220 ppb xylene. Sample from well C-3 had 230 ppb TPH-G, 68 ppb benzene, 1.2 ppb toluene, 1.2 ppb ethylbenzene, and 1.3 ppb xylene while sample from C-4 had 0.8 ppb benzene.~~ The remaining constituents were ND. ~~Free product was observed and removed in well, C-1. A total of 2 gallons of free product was recovered during the months of February and March. Both the rinsate and travel blank were nondetect for TPH-G and BTEX. During this sampling period, depth to water ranged from 14.37 feet to 19.42 feet.~~

If you have any questions or comments, please feel free to call me at (510) 842-8752.

Sincerely,

Kenneth Kan
Engineer

LKAN/MacFile 9-2960R5

Enclosure

cc: Mr. Rich Hiatt
RWQCB-S.F. Bay Region
2101 Webster Street, Suite 500
Oakland, CA 94612

Ms. Bette Owen
Chevron U.S.A., Inc.

92 APR 2 11 28 AM '92

MAR 3 1 1992

March 23, 1992

Mr. Kenneth Kan
Chevron U.S.A., Inc.
Post Office Box 5004
San Ramon, California 94583-0804

31-0563

Subject: Quarterly Ground Water Monitoring Report
Chevron Station No. 9-2960
2416 Grove Way,
Castro Valley, California

Dear Mr. Kan:

In accordance with our agreement, Alton Geoscience transmits this Quarterly Ground Water Monitoring and Sampling Report for Chevron Station No. 9-2960, located at 2416 Grove Way, Castro Valley, California. Figure 1 shows the site location.

Monitoring and sampling of the ground water monitoring wells were performed on March 6, 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 in each well was measured from the top of casing using an electronic interface probe with 0.01 foot tolerance.

Ground water analytical 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 stored onsite in DOT-approved, 55-gallon drums pending pick-up and delivery by Erickson Inc. as non-hazardous to Gibson Oil/ Pilot Petroleum of Redwood City, California, for recycling.

Mr. Kenneth Kan
March 23, 1992
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31-0563

SAMPLING AND ANALYTICAL RESULTS

The results of the monitoring and laboratory analyses of the 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.

Free product was noted in monitoring well C-1. Approximately a total of 2 gallons of free product was removed by bailing or skimming during the months of February and March, 1992. The official laboratory reports and chain of custody records are included in Appendix A.

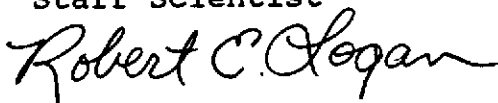
Please call Todd B. Pearson at (510) 734-8134 if you have any questions concerning this report.

Sincerely,

ALTON GEOSCIENCE,



Todd B. Pearson
Staff Scientist



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

wp92960tp

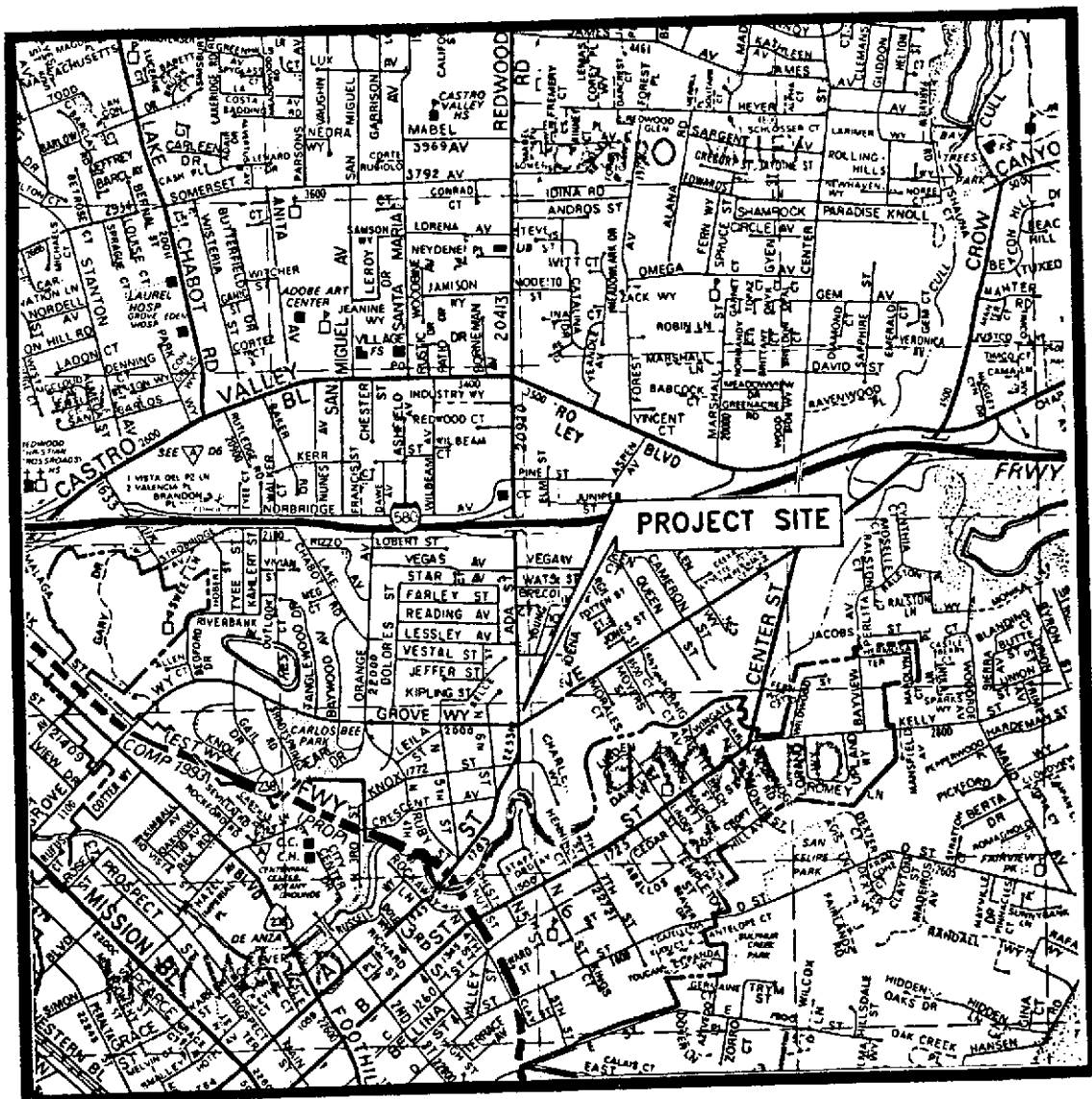


FIGURE 1: SITE VICINITY MAP

FORMER CHEVRON SERVICE
 STATION NO. 9-2960
 2416 GROVE WAY
 CASTRO VALLEY, CALIFORNIA



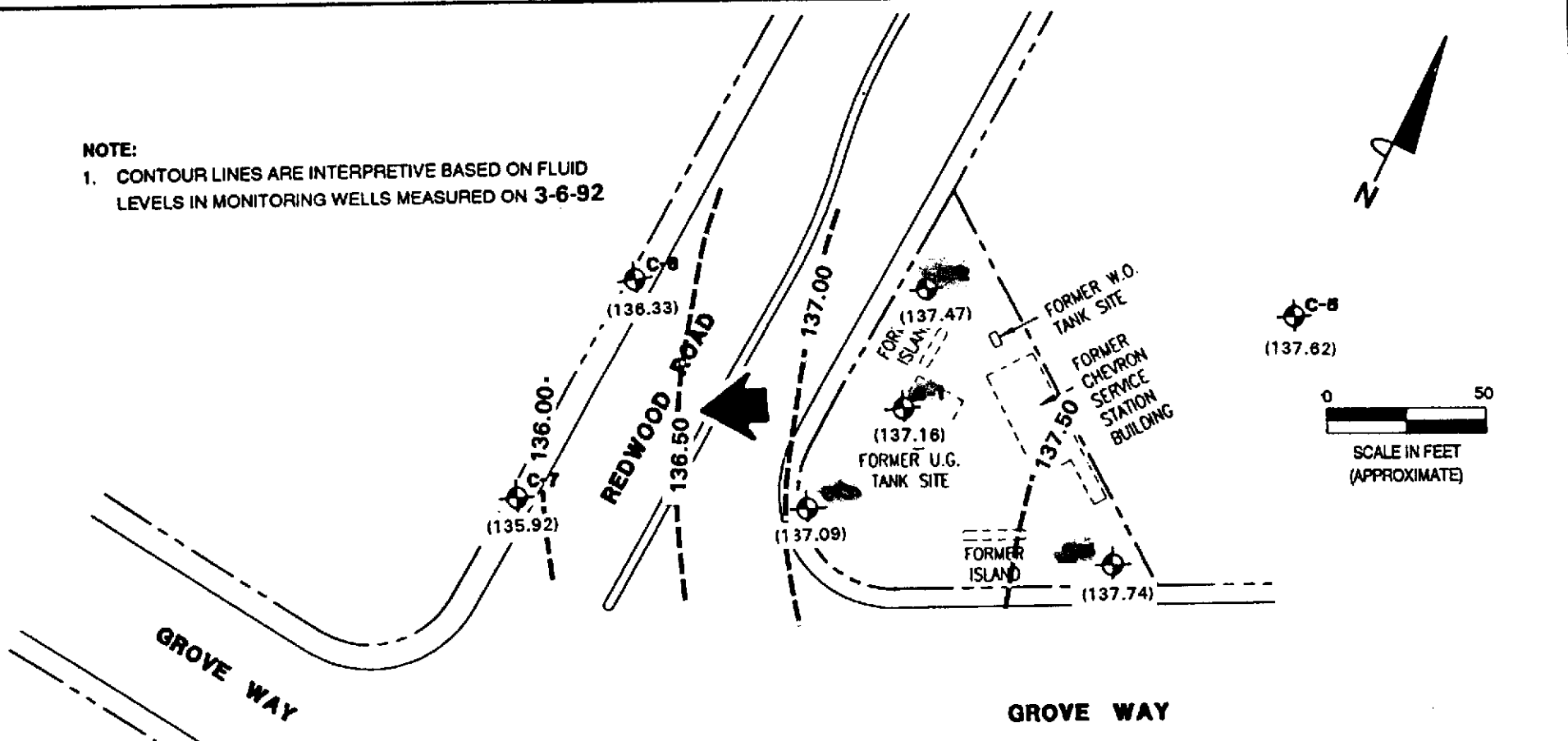
ALTON GEOSCIENCE
 Pleasanton, California

SOURCE: THE THOMAS GUIDE
 ALAMEDA COUNTY STREET
 GUIDE & DIRECTORY

PROJECT NO. 31-0563

NOTE:

- 1. CONTOUR LINES ARE INTERPRETIVE BASED ON FLUID LEVELS IN MONITORING WELLS MEASURED ON 3-6-92



LEGEND:

- GROUND WATER MONITORING WELL
- GROUND WATER ELEVATION (FEET ABOVE MEAN SEA LEVEL [NGVD-1929])
- GROUND WATER ELEVATION CONTOUR
- GENERAL GROUND WATER GRADIENT DIRECTION

FIGURE 2.
GROUND WATER ELEVATION CONTOUR MAP

FORMER CHEVRON SERVICE STATION NO. 9-2960
2416 GROVE WAY
CASTRO VALLEY, CALIFORNIA



ALTON GEOSCIENCE
Pleasanton, California

Table 1
 Summary of Results of Ground Water Sampling
 Former Chevron Service Station # 9-2960
 2416 Grove Way/Redwood Road, Castro Valley, California

Concentrations in parts per billion (ppb)

WELL ID	DATE OF SAMPLING/ MONITORING	TOP OF WELL BOX ELEVATION	DEPTH TO WATER	FREE PRODUCT THICKNESS	GROUND WATER ELEVATION	TPH-G	B	T	E	X	LAB
C-1	10/23/86	---	---	---	---	37000	6400	3700	---	4300	TMA
C-1	09/10/87	---	---	---	---	120000	25000	60000	13000	56000 *	ENS
C-1	10/03/90	153.36	18.67	---	134.69	---	---	---	---	---	NA
C-1	10/25/90	153.36	18.71	0.71	135.22	---	---	---	---	---	NA
C-1	01/22/91	153.36	18.70	0.70	135.22	---	---	---	---	---	NA
C-1	02/21/91	153.36	18.62	0.88	135.44	---	---	---	---	---	NA
C-1	04/01/91	153.36	16.91	0.03	136.47	---	---	---	---	---	NA
C-1	04/11/91	153.36	16.90	0.04	136.49	---	---	---	---	---	NA
C-1	07/01/91	153.36	17.61	0.00	135.75	---	---	---	---	---	NA
C-1	09/24/91	153.36	18.98	0.99	135.17	---	---	---	---	---	NA
C-1	10/23/91	153.36	19.32	1.24	135.03	---	---	---	---	---	NA
C-1	11/22/91	153.36	18.83	0.97	134.53	---	---	---	---	---	NA
C-11	01/09/92	153.36	17.26	---	136.10	---	---	---	---	---	NA
C-11	03/06/92	153.36	16.69	0.61	137.16	---	---	---	---	---	NA
C-2	10/23/86	---	---	---	---	30000	2700	1900	---	1500	TMA
C-2	09/10/87	---	---	---	---	14000	2600	2900	500	1200 *	ENS
C-2	10/16/89	---	---	---	---	600	260	34	1.7	41	NA
C-2	01/04/90	---	---	---	---	2600	470	150	23	130	NA
C-2	04/05/90	---	---	---	---	500	280	29	6.3	19	NA
C-2	07/02/90	---	---	---	---	2400	670	110	17	76	NA
C-2	10/03/90	---	---	---	---	---	---	---	---	---	NA
C-2	10/25/90	151.84	16.60	---	135.24	1300	390	47	9	58	SAL
C-2	01/22/91	151.84	16.69	---	135.15	2600	680	88	29	130	SAL
C-2	02/21/91	151.84	16.31	---	135.53	---	---	---	---	---	NA
C-2	04/01/91	151.84	15.08	---	136.76	---	---	---	---	---	NA
C-2	04/11/91	151.84	15.23	---	136.61	---	---	---	---	---	NA
C-2	07/01/91	151.84	15.96	---	135.88	---	---	---	---	---	NA
C-2	09/24/91	151.84	16.51	---	135.33	3600	1400	63	6.9	63	SAL
C-2	10/23/91	151.84	16.66	---	135.18	---	---	---	---	---	NA
C-2	11/22/91	151.84	16.37	---	135.47	---	---	---	---	---	NA
C-2	01/09/92	151.84	15.56	---	136.28	7100	770	740	190	690	SAL
C-2	03/06/92	151.84	14.37	---	137.47	3200	250	230	59	220	SAL

Table 1
 Summary of Results of Ground Water Sampling
 Former Chevron Service Station # 9-2960
 2416 Grove Way/Redwood Road, Castro Valley, California

Concentrations in parts per billion (ppb)

WELL ID	DATE OF SAMPLING/ MONITORING	TOP OF WELL BOX ELEVATION	DEPTH TO WATER	FREE PRODUCT THICKNESS	GROUND WATER ELEVATION	TPH-G	B	T	E	X	LAB
C-3	10/23/86	---	---	---	---	3300	49	24	---	20	TMA
C-3	09/10/87	---	---	---	---	200	110	2.6	ND<2.0	ND<2.0	ENS
C-3	10/16/89	---	---	---	---	900	640	4.2	1.6	16	NA
C-3	01/04/90	---	---	---	---	920	430	7	6	7	NA
C-3	04/05/90	---	---	---	---	930	690	3.4	5.1	4.8	NA
C-3	07/02/90	---	---	---	---	1700	590	11	4.8	9.4	NA
C-3	10/03/90	154.13	19.16	---	134.97	---	---	---	---	---	NA
C-3	10/25/90	154.13	19.28	---	134.85	750	510	2	6	5	SAL
C-3	01/22/91	154.13	19.18	---	134.95	430	260	2	2	5	SAL
C-30	01/22/91	154.13	19.18	---	134.95	400	250	2	2	5	SAL
C-3	02/21/91	154.13	18.88	---	135.25	---	---	---	---	---	NA
C-3	04/01/91	154.13	17.59	---	136.54	---	---	---	---	---	NA
C-3	04/11/91	154.13	17.81	---	136.32	---	---	---	---	---	NA
C-3	07/01/91	154.13	18.56	---	135.57	---	---	---	---	---	NA
C-3	09/24/91	154.13	19.12	---	135.01	260	52	0.7	0.8	2.2	SAL
C-3	10/23/91	154.13	19.24	---	134.89	---	---	---	---	---	NA
C-3	11/22/91	154.13	19.03	---	135.10	---	---	---	---	---	NA
C-3	01/09/92	154.13	18.23	---	135.90	240	120	0.9	ND<0.5	1.6	SAL
C-3	03/06/92	154.13	17.04	---	137.09	230	68	1.2	1.2	1.3	SAL

Table 1
 Summary of Results of Ground Water Sampling
 Former Chevron Service Station # 9-2960
 2416 Grove Way/Redwood Road, Castro Valley, California

Concentrations in parts per billion (ppb)

WELL ID	DATE OF SAMPLING/ MONITORING	TOP OF WELL BOX ELEVATION	DEPTH TO WATER	FREE PRODUCT THICKNESS	GROUND WATER ELEVATION	TPH-G	B	T	E	X	LAB
C-4	10/23/86	---	---	---	---	570	3	4	---	5	TMA
C-4	09/10/87	---	---	---	---	500	3.0	ND<0.5	ND<0.5	ND<0.5	EWS
C-4	10/16/89	---	---	---	---	ND<500	12	1.0	ND<0.5	0.8	NA
C-4	01/04/90	---	---	---	---	ND<500	5	ND<0.5	ND<0.5	0.9	NA
C-4	04/05/90	---	---	---	---	ND<50	6.6	ND<0.5	ND<0.5	0.7	NA
C-4	07/02/90	---	---	---	---	71	4.1	ND<0.5	ND<0.5	ND<0.5	NA
C-4	10/03/90	---	---	---	---	---	---	---	---	---	NA
C-4	10/25/90	156.00	20.43	---	135.57	ND<50	2	ND<0.5	ND<0.5	ND<0.5	SAL
C-4	01/22/91	156.00	20.50	---	135.50	ND<50	3	ND<0.5	ND<0.5	ND<0.5	SAL
C-4	02/21/91	156.00	20.23	---	135.77	---	---	---	---	---	NA
C-4	04/01/91	156.00	19.03	---	136.97	---	---	---	---	---	NA
C-4	04/11/91	156.00	19.05	---	136.95	---	---	---	---	---	NA
C-4	07/01/91	156.00	19.90	---	136.10	---	---	---	---	---	NA
C-4	09/24/91	156.00	20.41	---	135.59	87 **	1.6	ND<0.5	ND<0.5	ND<0.5	SAL
C-4	10/23/91	156.00	20.53	---	135.47	---	---	---	---	---	NA
C-4	11/22/91	156.00	20.35	---	135.65	---	---	---	---	---	NA
C-4	01/09/92	156.00	19.54	---	136.46	51 ***	4.3	ND<0.5	ND<0.5	ND<0.5	SAL
C-4D	01/09/92	156.00	19.54	---	136.46	ND<50	4.8	ND<0.5	ND<0.5	ND<0.5	SAL
C-4	03/06/92	156.00	18.26	---	137.74	ND<50	0.8	ND<0.5	ND<0.5	ND<0.5	SAL

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Concentrations in parts per billion (ppb)

WELL ID	DATE OF SAMPLING/ MONITORING	TOP OF WELL BOX ELEVATION	DEPTH TO WATER	FREE PRODUCT THICKNESS	GROUND WATER ELEVATION	TPH-G	B	T	E	X	LAB
C-5	10/03/90	153.38	17.78	---	135.60	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	SAL
C-5	10/25/90	153.38	17.92	---	135.46	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	SAL
C-5	11/09/90	153.38	17.92	---	135.46	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	SAL
C-5	01/22/91	153.38	17.80	---	135.58	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	SAL
C-5	02/21/91	153.38	17.51	---	135.87	---	---	---	---	---	NA
C-5	04/01/91	153.38	16.31	---	137.07	---	---	---	---	---	NA
C-5	04/11/91	153.38	16.36	---	137.02	---	---	---	---	---	NA
C-5	07/01/91	153.38	17.12	---	136.26	---	---	---	---	---	NA
C-5	09/24/91	153.38	17.70	---	135.68	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	SAL
C-5D	09/24/91	153.38	17.70	---	135.68	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	SAL
C-5	10/23/91	153.38	17.82	---	135.56	---	---	---	---	---	NA
C-5	11/22/91	153.38	17.61	---	135.77	---	---	---	---	---	NA
C-5	01/09/92	153.38	17.04	---	136.34	ND<50	ND<0.5	0.7	ND<0.5	ND<0.5	SAL
C-5	03/06/92	153.38	15.76	---	137.62	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	SAL
C-6	10/03/90	152.84	18.14	---	134.70	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	SAL
C-6	10/25/90	152.84	18.29	---	134.55	ND<50	ND<0.5	1	ND<0.5	ND<0.5	SAL
C-6	11/09/90	152.84	18.26	---	134.58	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	SAL
C-6	01/22/91	152.84	18.15	---	134.69	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	SAL
C-6	02/21/91	152.84	17.92	---	134.92	---	---	---	---	---	NA
C-6	04/01/91	152.84	17.11	---	135.73	---	---	---	---	---	NA
C-6	04/11/91	152.84	17.01	---	135.83	---	---	---	---	---	NA
C-6	07/01/91	152.84	17.72	---	135.12	---	---	---	---	---	NA
C-6	09/24/91	152.84	18.12	---	134.72	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	SAL
C-6	10/23/91	152.84	18.25	---	134.59	---	---	---	---	---	NA
C-6	11/22/91	152.84	18.05	---	134.79	---	---	---	---	---	NA
C-6	01/09/92	152.84	17.42	---	135.42	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	SAL
C-6	03/06/92	152.84	16.51	---	136.33	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	SAL

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Concentrations in parts per billion (ppb)

WELL ID	DATE OF SAMPLING/ MONITORING	TOP OF WELL BOX ELEVATION	DEPTH TO WATER	FREE PRODUCT THICKNESS	GROUND WATER ELEVATION	TPH-G	B	T	E	X	LAB
C-7	10/03/90	155.34	20.82	---	134.52	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	SAL
C-7	10/25/90	155.34	20.91	---	134.43	ND<50	ND<0.5	1	ND<0.5	ND<0.5	SAL
C-7	11/09/90	155.34	20.94	---	134.40	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	SAL
C-7	01/22/91	155.34	21.50	---	133.84	ND<50	4	ND<0.5	ND<0.5	ND<0.5	SAL
C-7	02/21/91	155.34	20.71	---	134.63	---	---	---	---	---	NA
C-7	04/01/91	155.34	20.00	---	135.34	---	---	---	---	---	NA
C-7	04/11/91	155.34	20.05	---	135.29	---	---	---	---	---	NA
C-7	07/01/91	155.34	20.52	---	134.82	---	---	---	---	---	NA
C-7	09/24/91	155.34	20.82	---	134.52	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	SAL
C-7	10/23/91	155.34	20.91	---	134.43	---	---	---	---	---	NA
C-7	11/22/91	155.34	20.79	---	134.55	---	---	---	---	---	NA
C-7	01/09/92	155.34	20.16	---	135.18	ND<50	ND<0.5	ND<0.5	ND<0.5	0.9	SAL
C-7	03/06/92	155.34	19.42	---	135.92	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	SAL
TB	10/03/90	NA	NA	NA	NA	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	SAL
TB	10/25/90	NA	NA	NA	NA	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	SAL
TB	11/09/90	NA	NA	NA	NA	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	SAL
TB	01/22/91	NA	NA	NA	NA	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	SAL
TB	09/24/91	NA	NA	NA	NA	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	SAL
TB	01/09/92	NA	NA	NA	NA	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	SAL
TB	03/06/92	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
 Former Chevron Service Station # 9-2960
 2416 Grove Way/Redwood Road, Castro Valley, California

Concentrations in parts per billion (ppb)

WELL ID	DATE OF SAMPLING/ MONITORING	TOP OF WELL BOX ELEVATION	DEPTH TO WATER	FREE PRODUCT THICKNESS	GROUND WATER ELEVATION	TPH-G	B	T	E	X	LAB
RINSATE	09/10/87	NA	NA	NA	NA	ND<100	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ENS
RINSATE	10/25/90	NA	NA	NA	NA	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	SAL
RINSATE	09/24/90	NA	NA	NA	NA	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	SAL
RINSATE	01/09/92	NA	NA	NA	NA	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	SAL
RINSATE	03/06/92	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)
 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)
 TB :Trip Blank
 D :Duplicate

--- :Not analyzed/Not measured
 NA :Not applicable/Not available
 TMA :Thermo Analytical Inc.
 ENS :Enseco
 SAL :Superior Analytical Laboratory
 * :Concentration for m-Xylene only.
 ** :Non-standard gasoline pattern observed
 in chromatogram.
 *** :The chromatogram shows only a single peak
 in the gasoline range.
 I :Not sampled due to observed sheen.

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.

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

LABORATORY NO.: 85190
CLIENT: Alton Geoscience
CLIENT JOB NO.: 31-0563

DATE RECEIVED: 03/09/92
DATE REPORTED: 03/17/92

Page 1 of 2

Lab Number	Customer Sample Identification	Date Sampled	Date Analyzed
85190- 1	TB	03/06/92	03/11/92
85190- 2	RINS	03/06/92	03/12/92
85190- 3	C-5	03/06/92	03/11/92
85190- 4	C-6	03/06/92	03/11/92
85190- 5	C-7	03/06/92	03/12/92
85190- 6	C-4	03/06/92	03/12/92
85190- 7	C-3	03/06/92	03/11/92
85190- 8	C-2	03/06/92	03/11/92

Laboratory Number:	85190 1	85190 2	85190 3	85190 4	85190 5
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ANALYTE LIST	Amounts/Quantitation Limits (ug/L)				
OIL AND GREASE:	NA	NA	NA	NA	NA
TPH/GASOLINE RANGE:	ND<50	ND<50	ND<50	ND<50	ND<50
TPH/DIESEL RANGE:	NA	NA	NA	NA	NA
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

Laboratory Number:	85190 6	85190 7	85190 8
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ANALYTE LIST	Amounts/Quantitation Limits (ug/L)		
OIL AND GREASE:	NA	NA	NA
TPH/GASOLINE RANGE:	ND<50	230	3200
TPH/DIESEL RANGE:	NA	NA	NA
BENZENE:	0.8	68	250
TOLUENE:	ND<0.5	1.2	230
ETHYL BENZENE:	ND<0.5	1.2	59
XYLENES:	ND<0.5	1.3	220



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

Page 2 of 2
QA/QC INFORMATION
SET: 85190

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-SW846 Method 8015 for Extractable Hydrocarbons:
Minimum Quantitation Limit for Diesel in Water: 50ug/L
Standard Reference: NA

EPA-SW846 Method 8015/5030 Total Purgable Petroleum Hydrocarbons:
Minimum Quantitation Limit for Gasoline in Water: 50ug/L
Standard Reference: 10/04/91

SW-846 Method 8020/BTXE
Minimum Quantitation Limit in Water: 0.5ug/L
Standard Reference: 10/11/91

ANALYTE	REFERENCE	SPIKE LEVEL	MS/MSD RECOVERY	RPD	CONTROL LIMIT
Oil & Grease	NA	NA	NA	NA	NA
Diesel	NA	NA	NA	NA	NA
Gasoline	03/03/92	200 ng	96/95	1	70-130
Benzene	02/26/92	200 ng	100/98	2	70-130
Toluene	02/26/92	200 ng	97/97	0	70-130
Ethyl Benzene	02/26/92	200 ng	98/98	0	70-130
Total Xylenes	02/26/92	200 ng	109/108	1	70-130

Richard Srna, Ph.D.


Laboratory Director

Fax copy of Lab Report and COC to Chevron Contact:

Yes
 No

85190

Chain-of-Custody-Record

Chevron U.S.A. Inc. P.O. BOX 5004 San Ramon, CA 94583 FAX (415)842-9591	Chevron Facility Number <u>9-2710</u>	Chevron Contact (Name) <u>Ken Kan</u>
	Facility Address <u>2416 Grove Way, Castro Valley</u>	(Phone) <u>(510) 842-9500</u>
	Consultant Project Number <u>31-0563</u>	Laboratory Name <u>Superior Analytical</u>
	Consultant Name <u>Alton Geoscience</u>	Laboratory Release Number <u>2512110</u>
Address <u>5870 Stoneridge Dr. #6, Pleasanton</u>	Sample Collected by (Name) <u>Jon Vail</u>	
Project Contact (Name) <u>John DeGeorge</u>	Collection Date <u>3-6-92</u>	
(Phone) <u>(510) 734-8134</u> (Fax Number) <u>(510) 734-8420</u>	Signature <u>[Signature]</u>	

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)	Analytes To Be Performed										Remarks	
								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)				
TB	1	2	W	G	1043 1343	HCl	Y	X											Analyze
RINS	2	2	W	G	1343	HCl	Y	X											
C-5	3	2	W	G	1345	HCl	Y	X											
C-6	4	2	W	G	1404	HCl	Y	X											
C-7	5	2	W	G	1435	HCl	Y	X											
C-4	6	2	W	G	1532	HCl	Y	X											
C-3	7	2	W	G	1620	HCl	Y	X											
C-2	8	2	W	G	1653	HCl	Y	X											

Please initial: F7

Samples Stored in ice

Appropriate containers ✓

Samples preserved ✓

VOLs without headspace ✓

Comments:

Relinquished By (Signature) <u>[Signature]</u>	Organization <u>Alton</u>	Date/Time <u>3-9-92 0752</u>	Received By (Signature) <u>[Signature]</u>	Organization <u>Alton</u>	Date/Time <u>0752</u>	Turn Around Time (Circle Choice) 24 Hrs. 48 Hrs. <u>5 Days</u> 10 Days As Contracted
Relinquished By (Signature) <u>[Signature]</u>	Organization <u>Alton</u>	Date/Time <u>3-9-92</u>	Received By (Signature) <u>[Signature]</u>	Organization <u>EXPRESSIT</u>	Date/Time <u>3-9-92 10 20</u>	
Relinquished By (Signature) <u>[Signature]</u>	Organization <u>EXPRESSIT</u>	Date/Time <u>3-9-92 11-7</u>	Received For Laboratory By (Signature) <u>F7</u>		Date/Time <u>3-9-92</u>	