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

92 MAR 25 AM 11:31

March 24, 1992

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

DR

Re: Chevron Service Station #9-0338
5500 Telegraph Avenue, Oakland

Dear Ms. Hugo:

Enclosed we are forwarding the Annual Ground Water Monitoring Report dated March 13, 1992, prepared by our consultant Alton Geosciences for the above referenced site. As indicated in the report, ground water samples collected were analyzed for total petroleum hydrocarbons as gasoline and BTEX. All monitor wells reported non-detectable concentrations of these constituents. Depth to ground water was measured at approximately 8-feet below grade, and the direction of flow is to the southwest.

Chevron will continue to sample this site and report findings on an annual basis.

If you have any questions or comments, please do not hesitate to contact me at (510) 842-9581.

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

Nancy Vukelich
Site Assessment and Remediation Engineer

Enclosure

cc: Mr. Eddy So, RWQCB-Bay Area
Mr. S. A. Willer
File (9-0338Q1)

ALTON GEOSCIENCE
THE RESULTS TEAM

March 13, 1992

Ms. Nancy Vukelich
Chevron U.S.A. Products Company
Post Office Box 5004
San Ramon, California 94583-0804

31-0261

Subject: Annual Ground Water Monitoring Report
Chevron Service Station No. 9-0338
5500 Telegraph Avenue
Oakland, California

Dear Ms. Vukelich:

In accordance with our agreement, Alton Geoscience transmits this Annual Ground Water Monitoring and Sampling Report for Chevron Service Station No. 9-0338, 5500 Telegraph Avenue, Oakland, California. Figure 1 shows the site location.

Monitoring and sampling of the ground water monitoring wells was performed on February 26, 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 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 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 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 and Table 2. 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 Swain at (510) 734-8134 if you have any questions regarding this report.

Sincerely,

ALTON GEOSCIENCE,

Dale Swain
Staff Scientist

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

wp90261ds

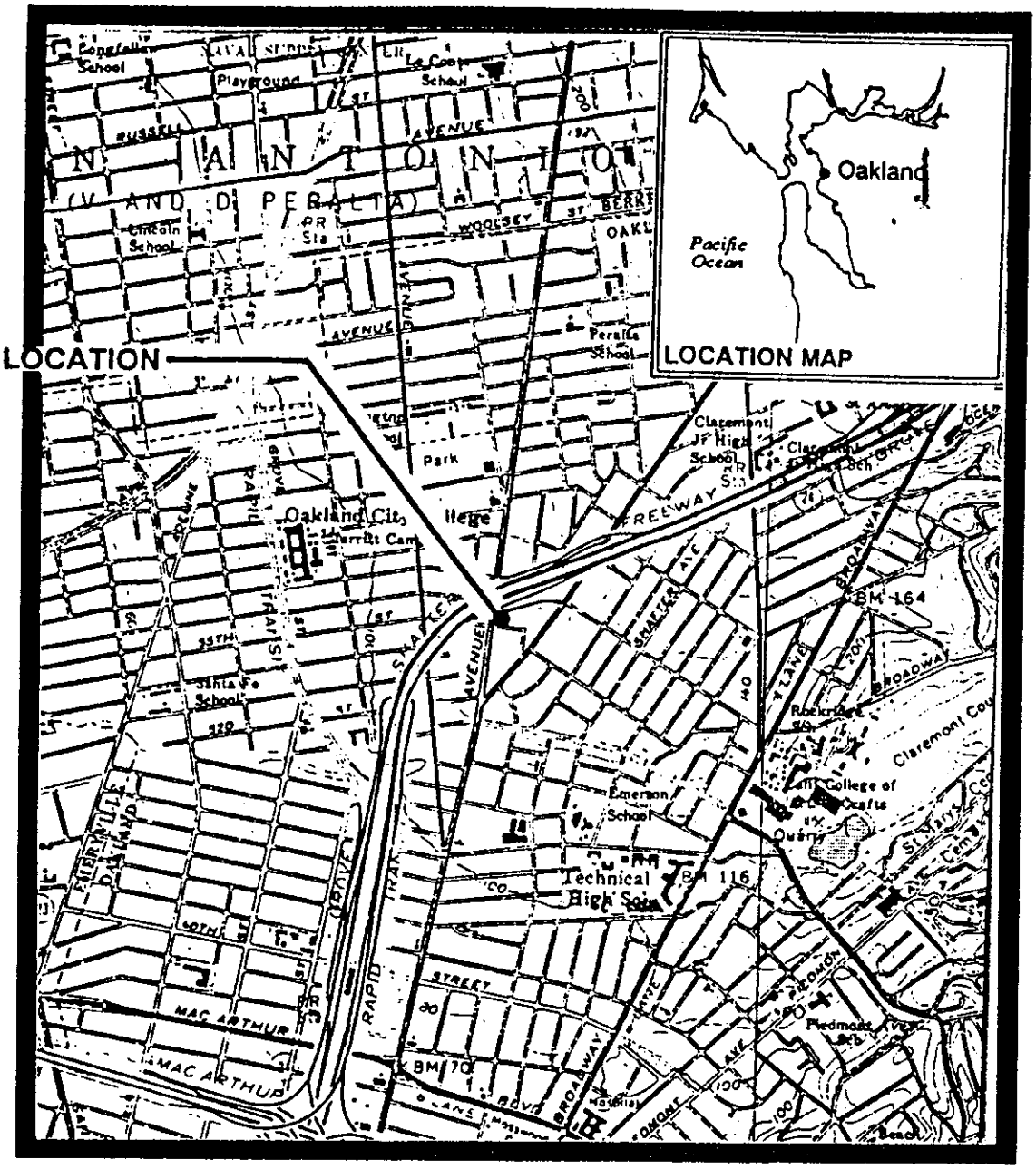


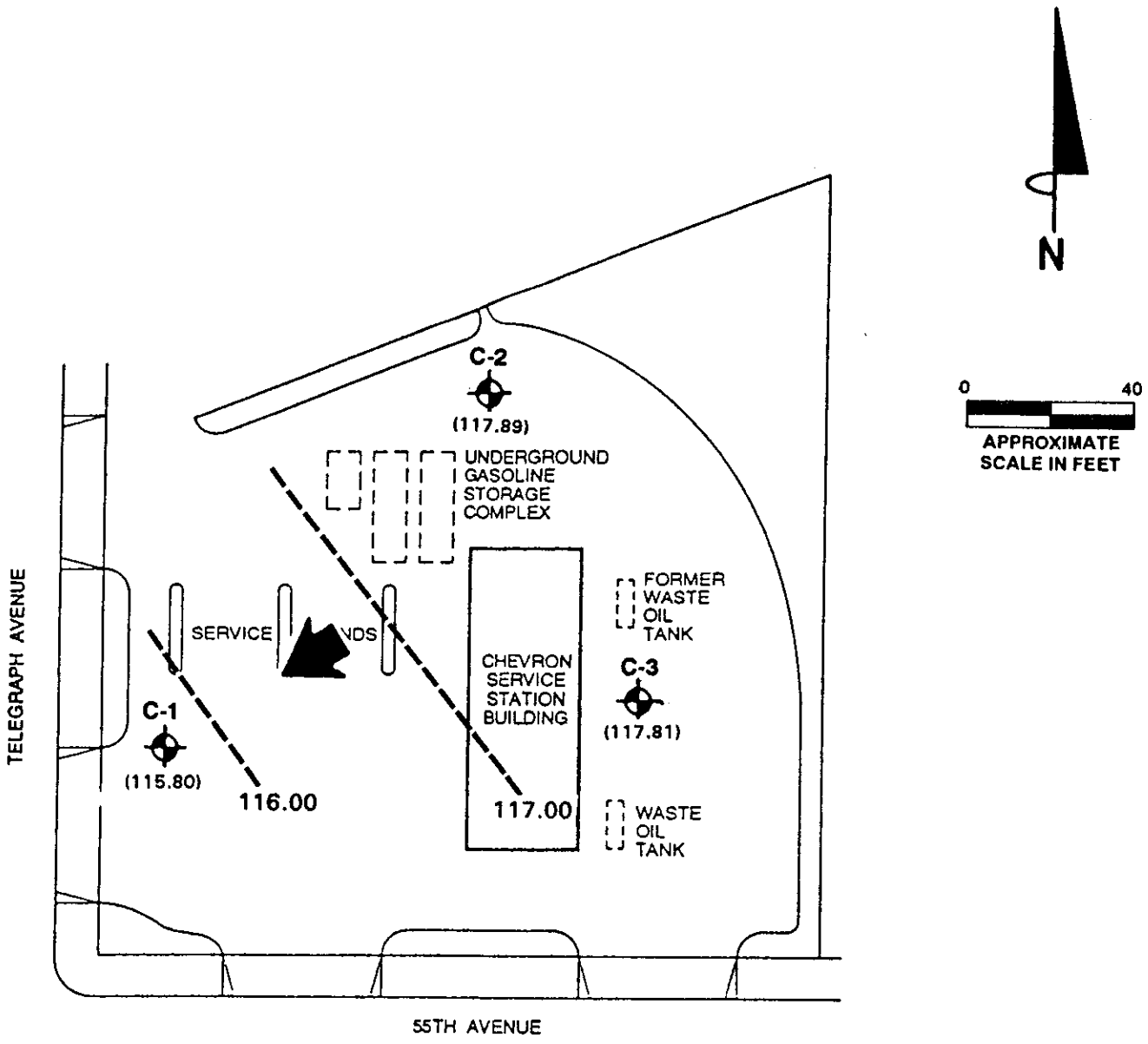
FIGURE 1. SITE VICINITY MAP

CHEVRON U.S.A.
CHEVRON SERVICE STATION NO. 9-0338
5500 TELEGRAPH AVENUE
OAKLAND, CALIFORNIA

PROJECT NO. 31-0261

SOURCE: GEOSTRATEGIES INC.

ALTON GEOSCIENCE
Pleasanton, California



LEGEND:

GROUND WATER MONITORING WELL

(115.80) GROUND WATER ELEVATION
(FEET ABOVE MEAN SEA LEVEL [NGVD-1929])

GROUND WATER ELEVATION CONTOUR

GENERAL GROUND WATER GRADIENT DIRECTION

NOTE:

1. CONTOUR LINES ARE INTERPRETIVE BASED ON FLUID LEVELS IN MONITORING WELLS MEASURED ON **2/26/92.**

FIGURE 2.

GROUND WATER ELEVATION CONTOUR MAP

CHEVRON SERVICE STATION
NO. 9 - 0338
5500 TELEGRAPH AVENUE
OAKLAND, CALIFORNIA,

ALTON GEOSCIENCE
Pleasanton, California

SOURCE: GEOSTRATEGIES INC.

PROJECT NO. 31-0261

Table 1
Summary of Results of Ground Water Sampling
Chevron Service Station # 9-0338
5500 Telegraph Avenue, Oakland, California

Concentrations in parts per billion (ppb)

WELL ID		DATE OF SAMPLING/ MONITORING	CASING ELEVATION	DEPTH TO WATER	GROUND WATER ELEVATION	TPH-G	TPH-D	TOG	B	T	E	X	TTL	LAB
C-1		11/21/89	123.88	10.75	113.13	ND<500	---	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	NA
C-1		03/20/90	123.88	9.93	113.95	ND<50	---	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	NA
C-1		06/27/90	123.88	9.64	114.24	ND<50	---	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	SAL
C-1D		06/27/90	123.88	9.64	114.24	ND<50	---	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	SAL
C-1*		10/12/90	123.88	10.91	112.97	---	---	---	---	---	---	---	---	SAL
C-1D		10/12/90	123.88	10.91	112.97	ND<50	---	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	SAL
C-1		12/20/90	123.88	9.76	114.12	75	---	---	ND<0.5	0.9	0.8	3	---	SAL
C-1D		12/20/90	123.88	9.76	114.12	73	---	---	ND<0.5	0.6	0.7	2	---	SAL
C-1		04/10/91	123.88	8.76	115.12	ND<50	---	---	0.7	1.2	ND<0.5	1.0	---	SAL
C-1D		04/10/91	123.88	8.76	115.12	ND<50	---	---	0.9	1.5	ND<0.5	1.5	---	SAL
C-1	**	02/26/92	123.88	8.08	115.8	ND<50	---	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	SAL
C-2		11/21/89	124.92	10.75	114.17	ND<500	---	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	NA
C-2		03/20/90	124.92	9.44	115.48	ND<50	---	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	NA
C-2		06/27/90	124.92	9.55	115.37	ND<50	---	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	SAL
C-2		10/12/90	124.92	10.89	114.03	ND<50	---	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	SAL
C-2		12/20/90	124.92	9.65	115.27	ND<50	---	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	SAL
C-2		04/10/91	124.92	8.04	116.88	ND<50	---	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	SAL
C-2	**	02/26/92	124.92	7.03	117.89	ND<50	---	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	SAL
C-3		11/21/89	125.64	11.28	114.36	ND<500	---	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	NA
C-3		01/12/90	125.64	---	---	---	ND<1000	ND<5000	---	---	---	---	---	NA
C-3		03/20/90	125.64	10.39	115.25	ND<50	ND<50	ND<5000	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	NA
C-3		06/27/90	125.64	10.32	115.32	ND<50	---	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	SAL
C-3		10/12/90	125.64	11.28	114.36	ND<50	---	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	SAL
C-3		12/20/90	125.64	10.25	115.39	54	---	---	ND<0.5	ND<0.5	ND<0.5	0.7	---	SAL
C-3		04/10/91	125.64	8.79	116.85	ND<50	---	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	SAL
C-3	**	02/26/92	125.64	7.83	117.81	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 # 9-0338
5500 Telegraph Avenue, Oakland, California

Concentrations in parts per billion (ppb)

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION	DEPTH TO WATER	GROUND WATER ELEVATION	TPH-G	TPH-D	TOG	B	T	E	X	TTL	LAB
TB	03/20/90	NA	NA	NA	ND<50	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	NA
TB	06/27/90	NA	NA	NA	ND<50	---	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	SAL
TB*	10/12/90	NA	NA	NA	---	---	---	---	---	---	---	---	SAL
TB	12/20/90	NA	NA	NA	ND<50	---	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	SAL
TB	04/10/91	NA	NA	NA	ND<50	---	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	SAL
TB	02/26/92	NA	NA	NA	ND<50	---	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	SAL
RINSATE	06/27/90	NA	NA	NA	ND<50	---	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	SAL
RINSATE*	10/12/90	NA	NA	NA	---	---	---	---	---	---	---	---	SAL
RINSATE	12/20/90	NA	NA	NA	ND<50	---	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	SAL
RINSATE	04/10/91	NA	NA	NA	ND<50	---	---	ND<0.5	0.6	ND<0.5	ND<0.5	---	SAL
RINSATE	02/26/92	NA	NA	NA	ND<50	---	---	ND<0.5	ND<0.5	ND<0.5	3.3	---	SAL

EXPLANATION OF ABBREVIATIONS:

TPH-G	:Total Petroleum Hydrocarbons as Gasoline (EPA method 8015 modified)	---	:Not Analyzed/Not Measured
B	:Benzene (EPA method 8020 or 8240)	NA	:Not Applicable/Not Available
T	:Toluene (EPA method 8020 or 8240)	ND	:Not Detected
E	:Ethylbenzene (EPA method 8020 or 8240)	TB	:Trip Blank
X	:Xylenes (EPA method 8020 or 8240)	D	:Duplicate
		SAL	:Superior Analytical Laboratory
		*	:Samples broken by lab. Unable to analyze.
		**	:Listed on COC and lab report as MW.

Note: Top of casing and Ground Water Elevations are expressed as feet above mean sea level (NGVD-1929).

Table 2
Summary of Results of Ground Water Sampling
Chevron Service Station # 9-0338
5500 Telegraph Avenue, Oakland, California

Concentrations in parts per billion (ppb)

WELL ID	DATE OF SAMPLING/ MONITORING	CADMIUM	ZINC	LEAD	CHROMIUM	DIBROMIDE	ALUMINUM	BERYLLIUM	ARSENIC	BARIUM	CALCIUM	COBALT	COPPER	LAB
C-1	11/21/89	---	---	---	---	ND<0.05	---	---	---	---	---	---	---	NA
C-1	03/20/90	---	0.18	0.016	0.28	ND<0.005	45	---	14	25	91	3	66	NA
C-1	06/27/90	ND<0.01	0.03	---	---	---	---	---	---	---	---	---	---	SAL
C-1D	06/27/90	ND<0.01	0.03	---	0	---	---	---	---	---	---	---	---	SAL
C-2	11/21/89	---	---	---	---	ND<0.05	---	---	---	---	---	---	---	NA
C-2	03/20/90	---	1.0	0.12	0.82	ND<0.005	270	---	11	2.0	100	20	38	NA
C-2	06/27/90	ND<0.01	0	---	---	---	---	---	---	---	---	---	---	SAL
C-3	11/21/89	20.	1000.	ND<500.	500.	ND<0.05	---	---	---	---	---	---	---	NA
C-3	01/12/90	---	---	---	---	---	---	---	---	---	---	---	---	NA
C-3	03/20/90	ND<0.005	1.1	0.12	1.0	---	310	2	12	2.5	85	21	43	NA
C-3	06/27/90	ND<0.01	0.3	---	---	---	---	---	---	---	---	---	---	SAL

Table 2
Summary of Results of Ground Water Sampling
Chevron Service Station # 9-0338
5500 Telegraph Avenue, Oakland, California

Concentrations in parts per billion (ppb)

WELL ID	DATE OF SAMPLING/ MONITORING	IRON	MAGNESIUM	MANGANESE	MERCURY	NICKEL	POTASSIUM	SODIUM	THALLIUM	VANADIUM	LAB
C-1	11/21/89	---	---	---	---	---	---	---	---	---	NA
C-1	03/20/90	---	---	---	---	---	---	---	---	---	NA
C-1	06/27/90	84	73	81	---	50	8.7	64	5	14	NA
C-2	11/21/89	---	---	---	---	---	---	---	---	---	NA
C-2	03/20/90	---	---	---	---	---	---	---	---	---	NA
C-2	06/27/90	450	130	9.5	1.0	1.4	29	47	---	70	NA
C-3	11/21/89	---	---	---	---	---	---	---	---	---	NA
C-3	01/12/90	---	---	---	---	---	---	---	---	---	NA
C-3	03/20/90	---	---	---	---	---	---	---	---	---	NA
C-3	06/27/90	530	130	9.2	1.0	1.7	32	49	---	79	NA

EXPLANATION OF ABBREVIATIONS:

--- :Not Analyzed/Not Measured
NA :Not Applicable/Not Available
ND :Not Detected
SAL :Superior Analytical Laboratory

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

MAR 4 1992

CERTIFICATE OF ANALYSIS

LABORATORY NO.: 85127
CLIENT: Alton Geoscience
CLIENT JOB NO.: 31-0261

DATE RECEIVED: 02/27/92
DATE REPORTED: 02/28/92

Lab Number	Customer Sample Identification	Date Sampled	Date Analyzed
85127- 1	TB	02/26/92	02/27/92
85127- 2	RINS	02/26/92	02/28/92
85127- 3	MW-3	02/26/92	02/28/92
85127- 4	MW-2	02/26/92	02/27/92
85127- 5	MW-1	02/26/92	02/27/92

Laboratory Number:	85127 1	85127 2	85127 3	85127 4	85127 5
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	3.3	ND<0.5	ND<0.5	ND<0.5

MAR 4 1992

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: 85127

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	01/02/92	200 ng	96/100	4	70-130
Benzene	02/26/92	200 ng	104/104	0	70-130
Toluene	02/26/92	200 ng	99/100	1	70-130
Ethyl Benzene	02/26/92	200 ng	100/100	0	70-130
Total Xylene	02/26/92	200 ng	111/113	2	70-130

Richard Srna, Ph.D.
Laboratory Director

Fax copy of Lab Report and COC to Chevron Contact: ☐ Yes ☐ No 85127

Chain-of-Custody-Record

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

Chevron Facility Number 9-0338
Facility Address 5500 Telegraph Ave., Oakland
Consultant Project Number 31-026Y
Consultant Name Alton Geoscience
Address 5870 Stoneridge #6
Project Contact (Name) John DeGeorge
(Phone) (510) 734-8134 (Fax Number) (510)

Chevron Contact (Name) Nancy Vukelich
(Phone) (510) 842-9500
Laboratory Name Superior Analytical
Laboratory Release Number 2646690
Samples Collected by (Name) Jon VAIL
Collection Date 2-26-92
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
TB	1	2	W	G	0800		Y	X												Analyze
BINS	2	2	W	G	1200	HCl	Y	X												
MW-3	3	2	W	G	1024	HCl	Y	X												
MW-2	4	2	W	G	1045	HCl	Y	X												
MW-1	5	2	W	G	1105	HCl	Y	X												

Please initial:
Samples Stored in ice AW
Appropriate containers AW
Samples preserved AW
VOA's without headspace AW
Comments:

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
	Alton	2-27-92/0748		Alton	2-27-92 0748
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
	Alton	2-27-92		EXPRESS IT	2/27/1325
Relinquished By (Signature)	Organization	Date/Time	Received For Laboratory By (Signature)		Date/Time
	EXPRESS IT	2/27 1423			2/27/92 1423

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

WHITE-CANARY-PINK