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 MAY 11 AM 10:41

May 11, 1992

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

Re: Chevron Service Station No. 9-3356
19201 Center Street, Castro Valley, CA 94546

Mr. Seery:

Enclosed is the groundwater monitoring and sampling report dated April 29, 1992.

During this sampling period, all groundwater samples were nondetect (ND) for total petroleum hydrocarbon as gasoline (TPH-G), benzene, toluene, ethylbenzene, and xylenes (BTEX) with the exception of a sample from MW-2. MW-2 had 0.9 ppb of benzene which is below the Minimum Contaminant Level (MCL). This could be an anomaly. Depth to water ranged from 13.03 feet to 18.04 feet.

Another quarter of monitoring and sampling will be performed. If the results indicate nondetectable levels for the next sampling period, then Chevron will request closure for this site.

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

Sincerely,

Kenneth Kan

Kenneth Kan
Engineer

LKAN/MacFile 9-3356R1

Enclosure

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

Mr. William Scudder
Chevron U.S.A., Inc.

ALTON GEOSCIENCE
THE RESULTS TEAM

MAY 6 '92 T.L.H.

April 29, 1992

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

31-0299

Subject: Quarterly Ground Water Monitoring Report
Chevron Station No. 9-3356
19201 Center Street,
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. 9-3356, located at 19201 Center Street, Castro Valley, California. Figure 1 shows the site location.

Monitoring and sampling of the ground water monitoring wells were performed on April 15, 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 transferred to a 600-gallon, trailer-mounted, steel tank (California Department of Health Services-registered), and hauled, as non-hazardous, to the Chevron Richmond Terminal for treatment.

5870 Stoneridge Drive, Suite 6
Pleasanton, California 94566
(510) 734-8134 • FAX (510) 734-8420

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.

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 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

wp93356tp

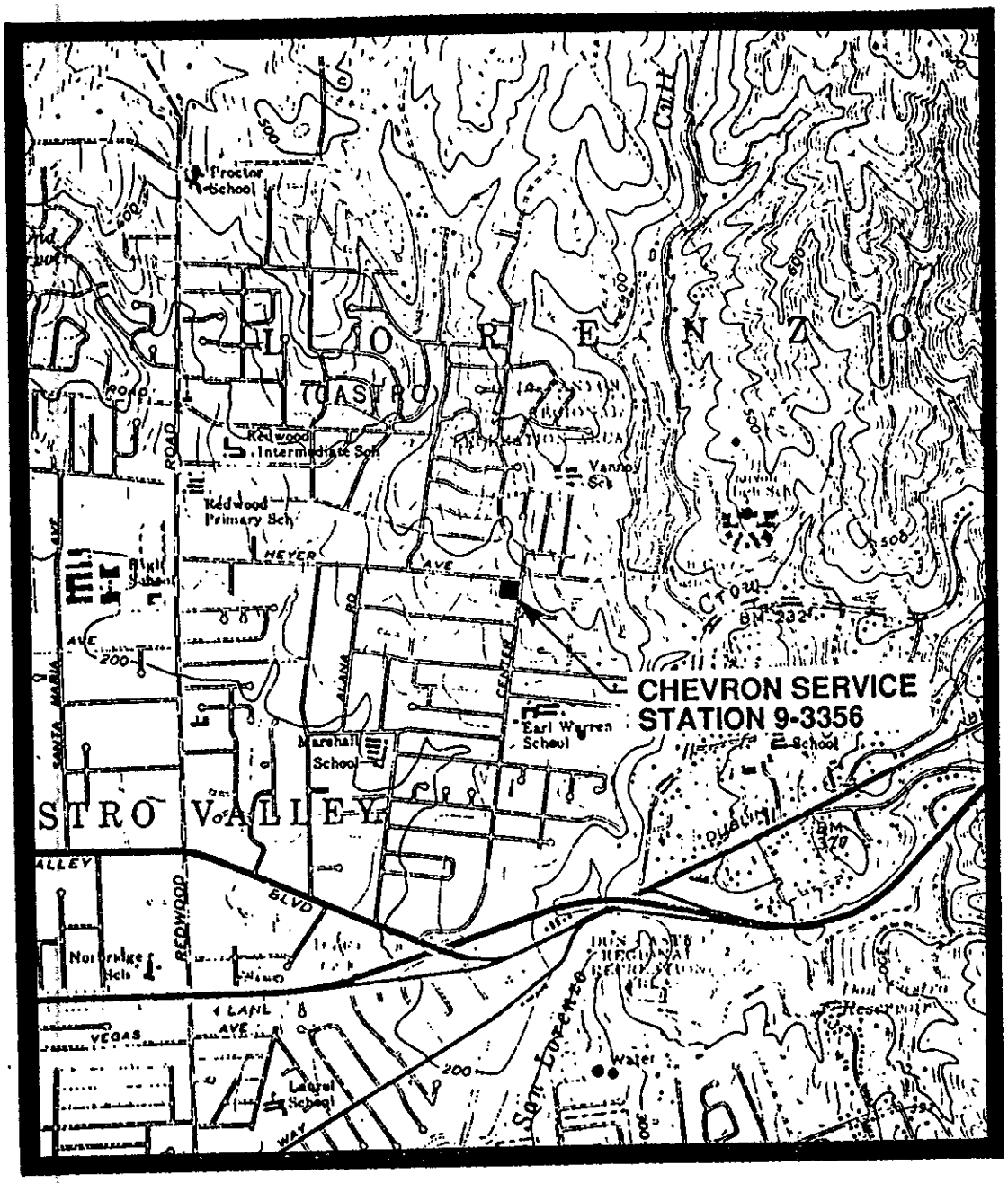
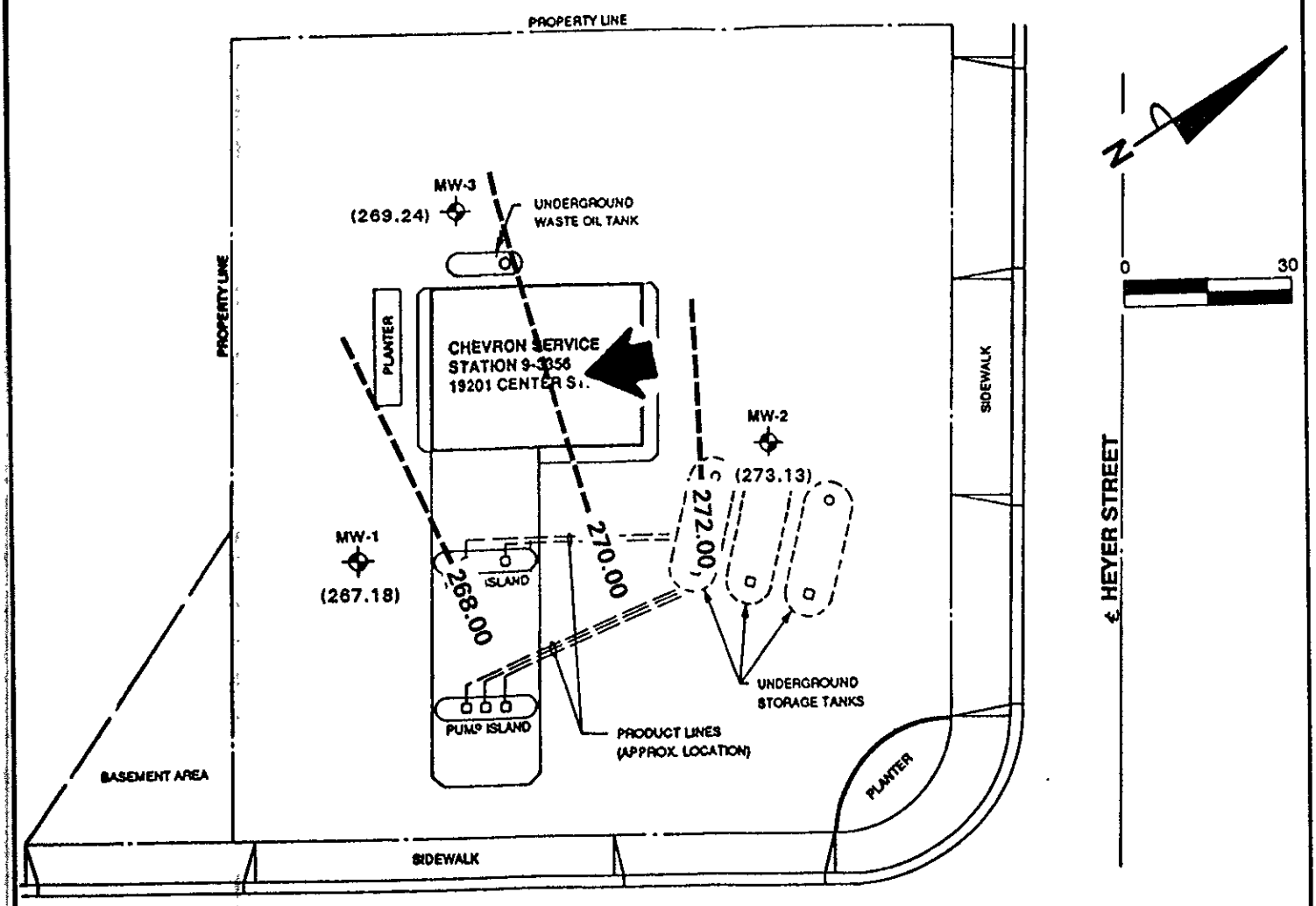


FIGURE 1: SITE VICINITY MAP
CHEVRON USA PRODUCTS COMPANY
CHEVRON SERVICE STATION NO. 9 - 3356
19201 CENTER STREET
CASTRO VALLEY, CALIFORNIA

PROJECT NO. 31-0299

SOURCE: U.S.G.S. MAP, HAYWARD QUADRANGLE, CALIFORNIA 7.5 MINUTE SERIES (TOPOGRAPHIC) PHOTOED 1959. PHOTOREVISED 1980.

ALTON GEOSCIENCE
Pleasanton, California



LEGEND:

- GROUND WATER MONITORING WELL
- (267.18) 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 4-15-92

SOURCE: CHEVRON U.S.A.

PROJECT NO. 31-0299

FIGURE 2.

GROUND WATER ELEVATION CONTOUR MAP

CHEVRON SERVICE STATION
NO. 9-3356
19201 CENTER STREET
CASTRO VALLEY, CALIFORNIA

ALTON GEOSCIENCE
Pleasanton, California

31-0299

Table 1
Summary of Results of Ground Water Sampling
Chevron Service Station No. 9-3356
19201 Center Street, Castro Valley, California

Concentrations in parts per billion (ppb)

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION	DEPTH TO WATER	GROUND WATER ELEVATION	TPH-G	HVOC	TOG	B	T	E	X	ORG-Pb	LAB
MW-1	09/06/89	285.22	18.25	266.97	ND<1.0	---	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<50	GTEL
MW-1	09/12/89	285.22	18.39	266.83	---	---	---	---	---	---	---	---	NA
MW-1	11/20/89	285.22	18.06	267.16	ND<500	---	---	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<50	GTEL
MW-1	02/22/90	285.22	18.04	267.18	ND<50	---	---	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<50	GTEL
MW-1	05/29/90	285.22	18.55	266.67	ND<50	---	---	0.3	ND<0.3	ND<0.3	ND<0.6	ND<50	GTEL
MW-1	09/27/90	285.22	19.13	266.09	ND<50	---	---	ND<0.3	ND<0.3	ND<0.3	ND<0.6	---	GTEL
MW-1	01/16/91	285.22	19.32	265.90	ND<50	---	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	SAL
MW-1	09/19/91	285.22	19.36	265.86	ND<50	---	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	SAL
MW-1	01/23/92	285.22	19.81	265.41	ND<50	---	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	SAL
MW-1D	01/23/92	285.22	19.81	265.41	ND<50	---	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	SAL
MW-1	04/15/92	285.22	18.04	267.18	ND<50	---	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	SAL
MW-2	09/06/89	286.16	13.72	272.44	23	---	---	1	4	1	4	ND<50	GTEL
MW-2	09/12/89	286.16	13.97	272.19	---	---	---	---	---	---	---	---	NA
MW-2	11/20/89	286.16	13.81	272.35	ND<500	---	---	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<50	GTEL
MW-2	02/22/90	286.16	13.68	272.48	ND<50	---	---	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<50	GTEL
MW-2	05/29/90	286.16	13.92	272.24	ND<50	---	---	2	ND<0.3	ND<0.3	ND<0.6	---	GTEL
MW-2	09/27/90	286.16	14.75	271.41	ND<50	---	---	ND<0.3	ND<0.3	ND<0.3	ND<0.6	---	GTEL
MW-2	01/16/91	286.16	14.44	271.72	ND<50	---	---	9	ND<0.5	ND<0.5	2	---	SAL
MW-2	09/19/91	286.16	14.46	271.70	ND<50	---	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	SAL
MW-2D	09/19/91	286.16	14.46	271.70	ND<50	---	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	SAL
MW-2	01/23/92	286.16	14.73	271.43	ND<50	---	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	SAL
MW-2	04/15/92	286.16	13.03	273.13	ND<50	---	---	0.9	ND<0.5	ND<0.5	ND<0.5	---	SAL

31-0299

Table 1
Summary of Results of Ground Water Sampling
Chevron Service Station No. 9-3356
19201 Center Street, Castro Valley, California

Concentrations in parts per billion (ppb)

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION	DEPTH TO WATER	GROUND WATER ELEVATION	TPH-G	HVOC	TOG	B	T	E	X	ORG-Pb	LAB
MW-3	09/06/89	284.46	18.73	265.73	ND<1.0	ND*	1000	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<50	GTEL
MW-3	09/12/89	284.46	17.78	266.68	---	---	---	---	---	---	---	---	NA
MW-3	11/20/89	284.46	17.65	266.81	ND<500	ND*	ND<1000	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<50	GTEL
MW-3	02/22/90	284.46	16.84	267.62	ND<50	ND*	ND<1000	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<50	GTEL
MW-3	05/29/90	284.46	17.13	267.33	ND<50	ND*	ND<1000	ND<0.3	ND<0.3	ND<0.3	ND<0.3	ND<50	GTEL
MW-3	09/27/90	284.46	18.38	266.08	ND<50	ND*	---	ND<5	ND<5	ND<5	ND<5	---	GTEL
MW-3D	09/27/90	284.46	18.38	266.08	ND<50	---	ND<1000	---	---	---	---	---	GTEL
MW-3	01/16/91	284.46	18.28	266.18	ND<50	ND*	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	SAL
MW-3D	01/16/91	284.46	18.28	266.18	ND<50	---	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	SAL
MW-3	09/19/91	284.46	17.62	266.84	ND<50	ND*	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	SAL
MW-3	01/23/92	284.46	17.62	266.84	ND<50	ND*	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	SAL
MW-3	04/15/92	284.46	15.22	269.24	ND<50	ND*	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	SAL
TB	11/20/89	NA	NA	NA	ND<500	---	---	ND<0.3	ND<0.3	ND<0.3	ND<0.3	---	GTEL
TB	02/22/90	NA	NA	NA	ND<50	---	---	ND<0.3	ND<0.3	ND<0.3	ND<0.3	---	GTEL
TB	05/29/90	NA	NA	NA	ND<50	---	---	ND<0.3	ND<0.3	ND<0.3	ND<0.3	---	GTEL
TB	09/27/90	NA	NA	NA	ND<50	---	---	---	---	---	---	---	GTEL
TB	01/16/91	NA	NA	NA	ND<50	---	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	SAL
TB	09/19/91	NA	NA	NA	ND<50	---	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	SAL
TB	01/23/92	NA	NA	NA	ND<50	---	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	SAL
TB	04/15/92	NA	NA	NA	ND<50	---	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	SAL

31-0299

Table 1
Summary of Results of Ground Water Sampling
Chevron Service Station No. 9-3356
19201 Center Street, Castro Valley, California

Concentrations in parts per billion (ppb)

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION	DEPTH TO WATER	GROUND WATER ELEVATION	TPH-G	HVOC	TOG	B	T	E	X	ORG-Pb	LAB
RINSATE	09/27/90	NA	NA	NA	ND<50	---	---	---	---	---	---	---	GTEL
RINSATE	01/16/91	NA	NA	NA	---	---	---	---	---	---	---	---	NA
RINSATE	09/19/91	NA	NA	NA	ND<50	---	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	SAL
RINSATE	01/23/92	NA	NA	NA	ND<50	---	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	SAL
RINSATE	04/15/92	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)
HVOC :Halogenated Volatile Organic Compounds (EPA method 8010)
TOG :Total Oil and Grease (EPA method 5030 & 503E)
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)
ORG-Pb :Organic Lead

--- :Not Analyzed/Not Measured
NA :Not Applicable/Not Available
ND :Not Detected
ND* :See laboratory reports for various detection limits.
TB :Trip Blank
D :Duplicate
GTEL :GTEL Analytical Laboratory
SAL :Superior Analytical Laboratory

Note: Top of casing and ground water elevations are expressed as 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

APR 27 1992

Alton Geoscience
Attn: TODD PEARSON

Project 31-0299
Reported 04/23/92

TOTAL PETROLEUM HYDROCARBONS

Lab #	Sample Identification	Sampled	Analyzed	Matrix
85499- 1	TB-LB	04/15/92	04/22/92	Water
85499- 2	RIN	04/15/92	04/22/92	Water
85499- 3	MW-1	04/15/92	04/22/92	Water
85499- 4	MW-2	04/15/92	04/23/92	Water
85499- 5	MW-3	04/15/92	04/22/92	Water

RESULTS OF ANALYSIS

Laboratory Number:	85499- 1	85499- 2	85499- 3	85499- 4	85499- 5
Gasoline:	ND<50	ND<50	ND<50	ND<50	ND<50
Benzene:	ND<0.5	ND<0.5	ND<0.5	0.9	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

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

CERTIFICATE OF ANALYSIS

ANALYSIS FOR TOTAL PETROLEUM HYDROCARBONS

QA/QC INFORMATION
SET: 85499

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 for Gasoline in Water: 50ug/L

ANALYTE	SPIKE LEVEL	MS/MSD RECOVERY	RPD	CONTROL LIMIT
Gasoline:	200 ng	92/85	9	70-130
Benzene:	200 ng	102/104	2	70-130
Toluene:	200 ng	96/94	3	70-130
Ethyl Benzene:	200 ng	100/100	0	70-130
Xylenes:	200 ng	95/94	1	70-130

Richard Srna, Ph.D.
Laboratory Director

APR 24 1992

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

Alton Geoscience
Attn: Todd Pearson

Project 31-0299
Reported 21-April-1992

EPA METHOD 8010

Sample preparation by Purge and Trap (EPA SW-846 Method 5030) and chromatographic analysis using an electrolytic conductivity detector (EPA SW-846 Method 8010).

Chronology

Laboratory Number 20492

Identification	Sampled	Received	Extracted	Analyzed	Run #	Lab #
MW-3	04/16/92	04/16/92	NA	04/20/92	2	1

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

Alton Geoscience
Attn: Todd Pearson

Project 31-0299
Reported 21-April-1992

EPA METHOD 8010

Laboratory Number	Sample Identification	Matrix
20492- 1	MW-3	Water

RESULTS OF ANALYSIS

Laboratory Number: 20492- 1

Cl-methane/Vinyl Chlor:	ND<1.0
Br-methane/Cl-ethane:	ND<1.0
Trichlorofluoromethane:	ND<0.5
1,1-DCE/Freon 113:	ND<0.5
Dichloromethane:	ND<0.5
t-1,2-Dichloroethene:	ND<0.5
1,1-Dichloroethane:	ND<0.5
c-1,2-Dichloroethene:	ND<0.5
Chloroform:	ND<0.5
1,1,1-Trichloroethane:	ND<0.5
Carbon tetrachloride:	ND<0.5
1,2-Dichloroethane:	ND<0.5
Trichloroethene:	ND<0.5
1,2-Dichloropropane:	ND<0.5
Bromodichloromethane:	ND<0.5
c-1,3-Dichloropropene:	ND<0.5
t-1,3-Dichloropropene:	ND<0.5
1,1,2-Trichloroethane:	ND<0.5
Tetrachloroethene:	ND<0.5
Dibromochloromethane:	ND<0.5
Chlorobenzene:	ND<0.5
Bromoform:	ND<0.5
1,1,2,2-Tetracl-ethane:	ND<0.5
1,3-Dichlorobenzene:	ND<0.5
1,4-Dichlorobenzene:	ND<0.5
1,2-Dichlorobenzene:	ND<0.5
4-Chloro-toluene:	88%
Concentration:	ug/L

Chain of Custody and Analysis Request

page 1 of 1

Section I

From: Superior Precision Analytical, Inc.
825 Arnold Drive Suite 114
Martinez, CA 94553
Phone No. (415) 229-1512 Fax No. (415) 229-1526
Contact: RWatson
P.O. No. 85499

Turn Around Time (circle one)
Same Day ~~72 Hrs~~
24 Hrs (5 Day)
~~48 Hrs~~ 10 Day

Superior Precision Analytical, Inc.
P.O. Box 1545
Martinez, California 94553

Work Subcontracted to: 80492

Section II: Analysis Request

Laboratory Sample Identification	S = Soil A = Air W = Water Matrix	8240	8270	8010	8080	Client Sample Identification	Number of Containers	Preservative (yes or no)
1 85499-5	W			X		MW-3	2	Y
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								

Sampling Remarks
☒ Chevron
☐ Non-Chevron
** Please Fax Results **

Relinquished by: Roberta Watson	Date/Time: 4/16/92 1830	Received by:	Date/Time:	Lab please initial the following:
Organization: Superior PT		Organization:		Samples Stored in Ice:
Relinquished by:	Date/Time:	Received by:	Date/Time:	Appropriate Containers:
Organization:		Organization:		Samples Preserved:
Relinquished by:	Date/Time:	Received by: Tobin Hunter	Date/Time: 4/17/92 10 a.m.	VOAs without Headspace:
Organization:		Organization: Superior		Comments:

Fax copy of Lab Report and COC to Chevron Contact: ☐ Yes ☒ No 85499

Chain-of-Custody-Record

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

Chevron Facility Number: 9-3356
Facility Address: 19201 Center St., Castro Valley
Consultant Project Number: 31-0299
Consultant Name: Alton GeoScience
Address: 5870 Stoneridge DR., Pleasanton
Project Contact (Name): Todd Pearson
(510) (Phone) 734-8134 (Fax Number) 734-8420

Chevron Contact (Name): Ken Kan
(Phone): (510) 842-9500
Laboratory Name: SAL
Laboratory Release Number: 26/2520
Samples Collected by (Name): Larry
Collection Date: 4/15/92.
Signature:

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)	Remarks
TB-LB	1	1	W	G	1315	HCl	yes	X								ANALYZE
RIN	2	1	↓	↓	1316	↓	↓	↓								
MW-1	3	2	↓	↓	1320	↓	↓	↓								
MW-2	4	2	↓	↓	1335	↓	↓	↓			X					
MW-3	5	4	↓	↓	1342	↓	↓	↓			↓					

Please Initial: MW
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	4/15/92 1402		Alton	4-15-92 1402
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
	Alton	4-16-92		Express-FT	4-16-92 1400
Relinquished By (Signature)	Organization	Date/Time	Received For Laboratory By (Signature)		Date/Time
	Express-FT	4-16-92 1435	Super		4/16/92 2:45

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

COC-3.DWG/03 91/HCH