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ALTON GEOSCIENCE

ENVIRONMENTAL PROTECTION

97 JUL 18 PM 2:53

July 15, 1997

~~Ms. Susan Hugo~~
Alameda County Health Services
1131 Harbor Bay Parkway
Alameda, California 94502-6700

Alton Project No. 41-0123

Cars Rent & Car

RE: FORMER MOBIL STATION 99-105
~~6301 SAN~~ PABLO AVENUE
OAKLAND, CALIFORNIA

Dear Ms. Hugo:

Please find enclosed the Second Quarter 1997 Progress Report for the subject location prepared for Mobil Oil Corporation by Alton Geoscience. The contents of this report include:

Quarterly Progress Report Summary Sheet
Exhibit 1: Sampling Schedule
Exhibit 2: Groundwater Levels and Chemical Analysis Table
Exhibit 3: Figures 1 through 3 (Vicinity Map, Groundwater Elevation Contour Map, Dissolved-Phase Benzene Concentrations)
Exhibit 4: Benzene vs. Groundwater Elevation Graphs
Exhibit 5: Well Purging and Groundwater Sampling Protocol
Exhibit 6: Monitoring Well Sampling Forms
Exhibit 7: Analytical Laboratory Data Sheets
Exhibit 8: Waste Disposal Manifest

If you have any questions regarding this report, please call Ms. Cherine Foutch, Mobil Engineer, at (510) 625-1173, or Mr. Thomas Seeliger, Alton Geoscience Geologist, at (510) 606-9150.

Sincerely,

ALTON GEOSCIENCE

Thomas E. Seeliger
Project Geologist

cc: Ms. Cherine Foutch, Mobil Oil Corporation
Mr. Kevin Graves, California Regional Water Quality Control Board, San Francisco Bay Region

M:\..\99-105.4QMS

30A Lindbergh Avenue
Livermore, California 94550
(510) 606-9150 • FAX (510) 606-9260

ALTON GEOSCIENCE

Quarterly Progress Report Summary Report
Second Quarter 1997

Former Mobil Statio 99-105
6301 San Pablo Avenue
Oakland, California

LOP: Alameda County Health Services

Number of water zones:	1	This Page	1
FIELD ACTIVITY:		Date Sampled:	22-Apr-97
Number of ground water wells on-site:	4	Ground Water Wells monitored:	4
Number of ground water wells off-site:	0	Ground Water Wells sampled:	4
		Ground Water Wells with Free Product:	0
Phase of Investigation: Vadose Zone:	N/A	Ground Water Phase:	Monitor & Sample

SITE HYDROGEOLOGY:

Approximate depth to ground water below ground surface:	9.5 feet
Approximate elevation of potentiometric surface above Mean Sea Level:	23.5 feet
Average Increase/Decrease in ground water elevations since last sampling episode:	2.50 foot decrease
Approximate flow direction and hydraulic gradient:	Northwest at 0.02 ft/ft

GROUND WATER CONTAMINATION (BENZENE MCL=1.0 ppb):

Wells containing free product:	0	Range in Thickness of Free Product:	NA
Number of wells with concentrations below MCL:	1	Volume of Free Product Recovered This Period:	NA
Number of wells with concentrations at or above MCL:	3	Volume of Free Product Recovered To Date:	NA
		Range in Concentrations:	Benzene: ND to 950 ppb
Nature of contamination:	Gasoline and diesel		TPH-G: ND to 8,800 ppb
			TPH-D: ND to 4,500 ppb

ADDITIONAL INFORMATION:

EPA method 8260 did not confirm the presence of MTBE.

Purged groundwater was transported to the McKittrick Waste Treatment Facility for disposal.

Prepared by: _____ Jacob Madden, Staff Geologist

Approved by: _____ Matthew W. Katen, RG, Associate
California RG# 5167

Alton Project No: 41-0123

Submittal date:7/10/97

EXHIBIT 1

SAMPLING SCHEDULE

MONITORING WELL SAMPLING SCHEDULE 1997
Former Mobil Station 99-105

Well Number	First Quarter	Second Quarter	Third Quarter	Fourth Quarter
MW-1	X	X	X	X
MW-2	X	X	X	X
MW-3	X	X	X	X
MW-4	X	X	X	X

NOTES: X = well scheduled for sampling

EXHIBIT 2

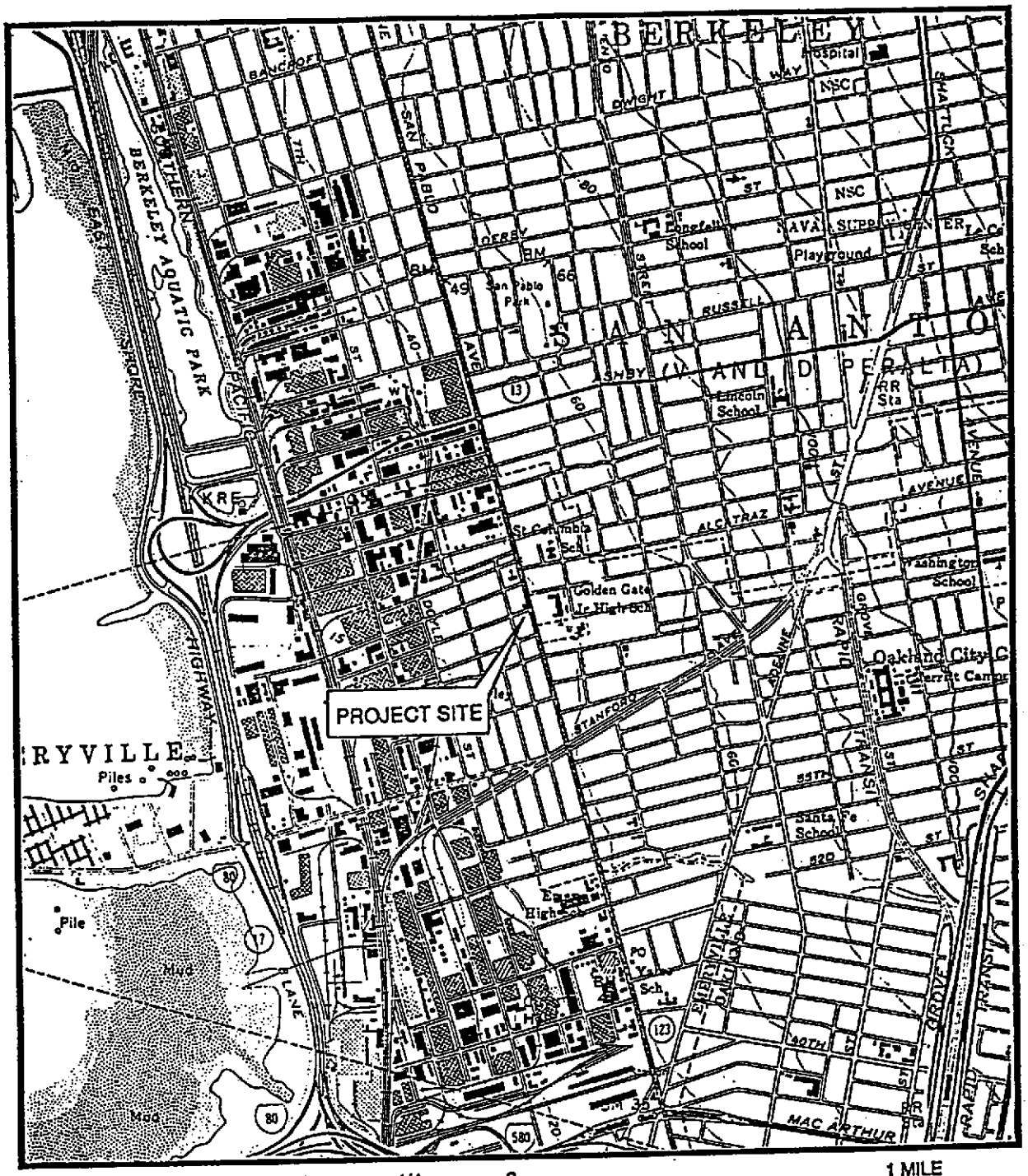
GROUNDWATER LEVELS AND CHEMICAL ANALYSIS TABLE

Groundwater Levels and Chemical Analysis

Former Mobil Station 99-105

Well ID	Date	Top of Casing Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet)	Product Thickness (feet)	TPH-G (ppb)	TPH-D (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Total Xylenes (ppb)	MTBE 8020 (ppb)	MTBE 8240 or 8260 (ppb)	TOG (ppb)	Lead (ppb)
TW-1	1/4/96	—	6.00	—	0.00	ND	700	ND	ND	ND	ND	—	—	—	—
WW-1	1/4/96	—	3.00	—	0.00	ND	—	ND	ND	ND	ND	—	—	ND	—
MW-1	3/14/96	32.79	4.50	28.29	0.00	610	450	0.75	0.54	1.5	59	—	—	—	ND
	5/21/96		5.64	27.15	0.00	ND	ND	ND	ND	ND	ND	—	—	—	—
	8/13/96		9.76	23.03	0.00	ND	ND	ND	ND	ND	ND	—	—	—	—
	11/8/96		10.24	22.55	0.00	ND	ND	ND	0.92	ND	2.1	ND	—	—	—
	1/31/97		3.83	28.96	0.00	ND	ND	ND	0.85	ND	ND	2.6	ND	—	—
	4/22/97		9.14	23.65	0.00	ND	ND	ND	ND	ND	ND	ND	—	—	—
MW-2	3/14/96	32.80	4.51	28.29	0.00	560	250	2.0	0.96	4.3	11	—	—	—	ND
	5/21/96		5.65	27.15	0.00	730	560	5.1	1.4	6.7	5.9	—	—	—	—
	8/13/96		10.14	22.66	0.00	490	380*	25	3.5	7.2	13	—	—	—	—
	11/8/96		10.70	22.10	0.00	520	160***	80	2.7	14	66	6.1	—	—	—
	1/31/97		3.84	28.96	0.00	74	130*	ND	ND	ND	ND	ND	—	—	—
	4/22/97		9.61	23.19	0.00	260	430	2.7	ND	2.5	ND	ND	—	—	—
MW-3	3/14/96	32.80	9.55	23.25	0.00	4,200	1,200	220	30	140	520	—	—	ND	ND
	5/21/96		10.16	22.64	0.00	8,500	2,800	710	110	440	1,700	—	—	—	—
	8/13/96		11.18	21.62	0.00	5,000	2,300**	430	ND	200	360	—	—	—	—
	11/8/96		11.51	21.29	0.00	8,400	2,900*	890	82	790	1,700	73	ND	—	—
	1/31/97		7.90	24.90	0.00	16,000	7,500*	660	85	960	1,800	ND	—	—	—
	4/22/97		10.64	22.16	0.00	8,000	2,700	340	33	400	490	200	ND	—	—
MW-4	3/14/96	31.50	4.92	26.58	0.00	12,000	3,500	2,200	140	880	2,000	—	—	—	ND
	5/21/96		8.60	22.90	0.00	11,000	4,200	1,700	ND	930	470	—	—	—	—
	8/13/96		10.02	21.50	0.02	—	—	—	—	—	—	—	—	—	—
	11/8/96		10.28	21.33	0.15	—	—	—	—	—	—	—	—	—	—
	1/31/97		7.88	23.62	0.00	23,000	8,200*	980	68	1,100	1,400	ND	—	—	—
	4/22/97		7.40	24.10	0.00	8,800	4,500	950	ND	610	130	ND	—	—	—

NOTES:
ppb = parts per billion
TPH-G = total petroleum hydrocarbons as gasoline
TPH-D = total petroleum hydrocarbons as diesel
TOG = total oil and grease
— = not measured/not analyzed
ND = not detected at or above method detection limit
* = diesel and unidentified hydrocarbons <C15
** = diesel and unidentified hydrocarbons <C15>C25
*** = diesel and unidentified hydrocarbons <C20
MTBE = methyl-tert butyl ether



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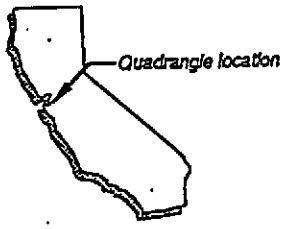
SCALE 1:24,000



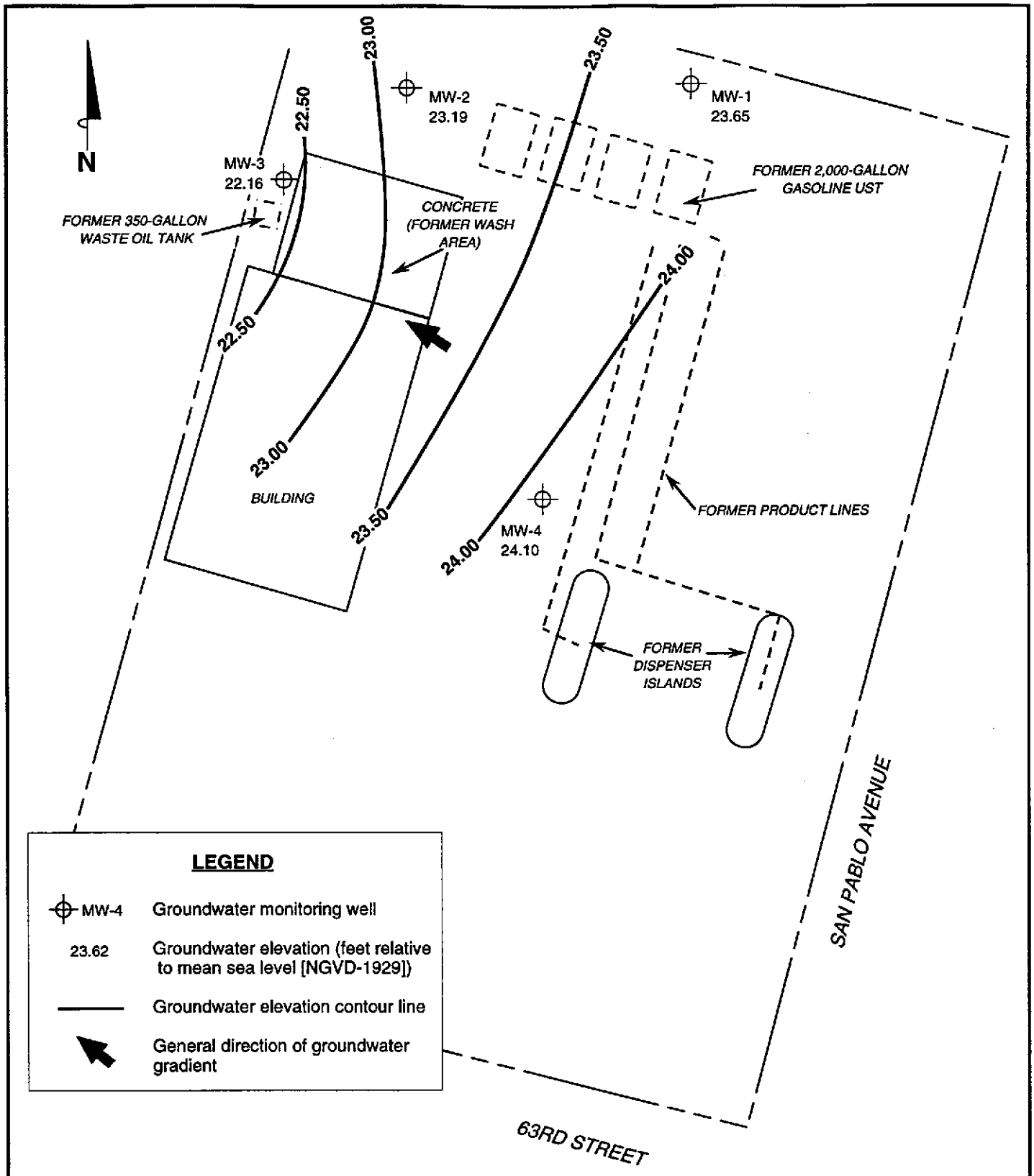
Source: U.S.G.S. Map
Oakland West Quadrangle
California
7.5 Minute Series

VICINITY MAP

Former Mobil Station 99-105
6301 San Pablo Avenue
Oakland, California

ALTON GEOSCIENCE
Livermore, California

FIGURE 1



NOTES:
Contour lines are interpretive based on fluid level measurements collected April 22, 1997. Contour interval = 0.50 feet.

GROUNDWATER ELEVATION CONTOUR MAP
April 22, 1997

Former Mobil Station 99-105
6301 San Pablo Avenue
Oakland, California

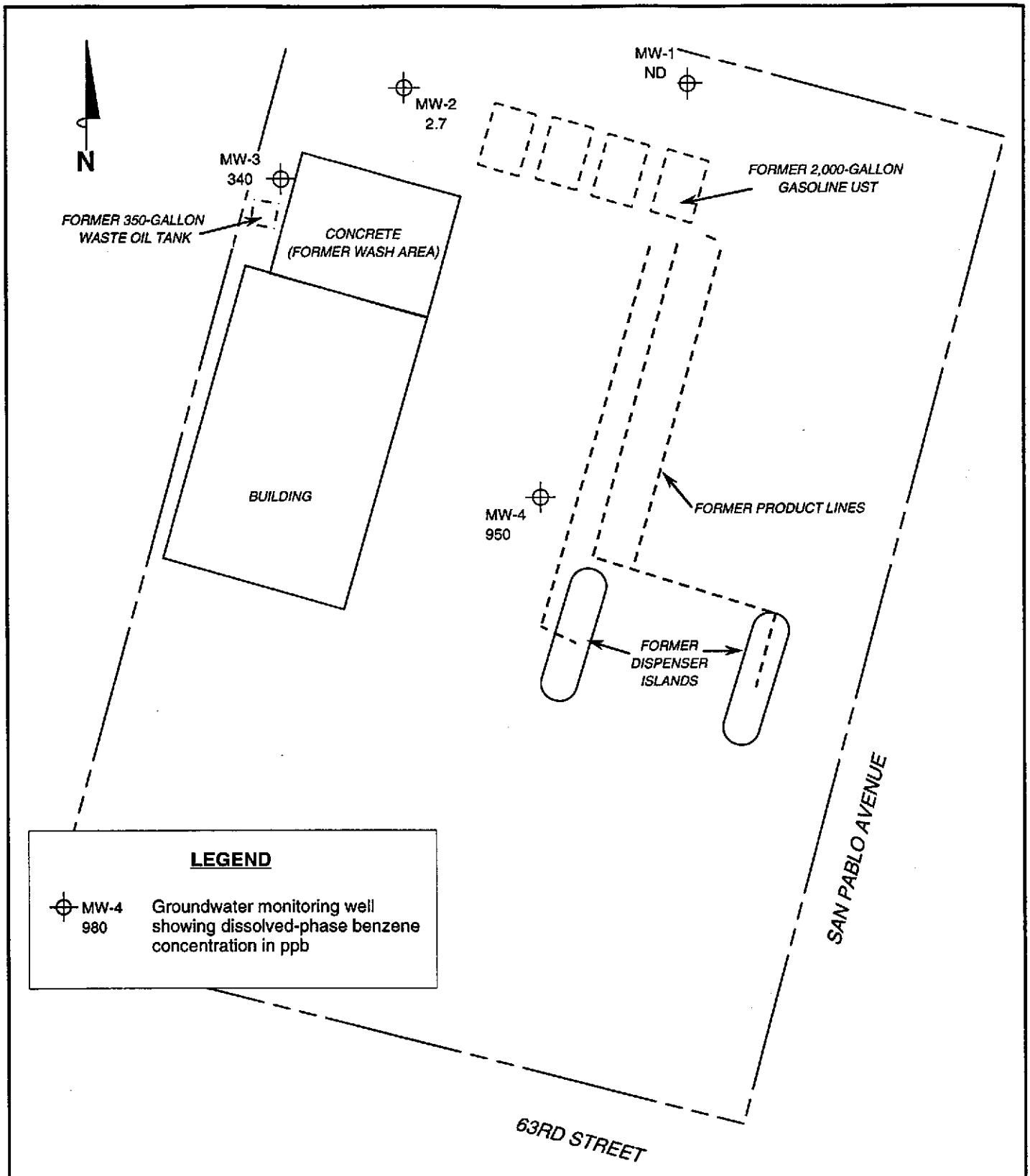
SCALE (feet)
0 5 10 20

ALTON GEOSCIENCE
Livermore, California

Source: ALISTO Engineering

FIGURE 2

99-105/Site plan 3/19/97



NOTES:
Results are based on analysis of groundwater samples collected April 22, 1997. ppb = parts per billion; ND = not detected at or above method detection limit.

SCALE (feet)
0 5 10 20

Source: ALISTO Engineering

ALTON GEOSCIENCE
Livermore, California

DISSOLVED-PHASE BENZENE CONCENTRATIONS
April 22, 1997

Former Mobil Station 99-105
6301 San Pablo Avenue
Oakland, California

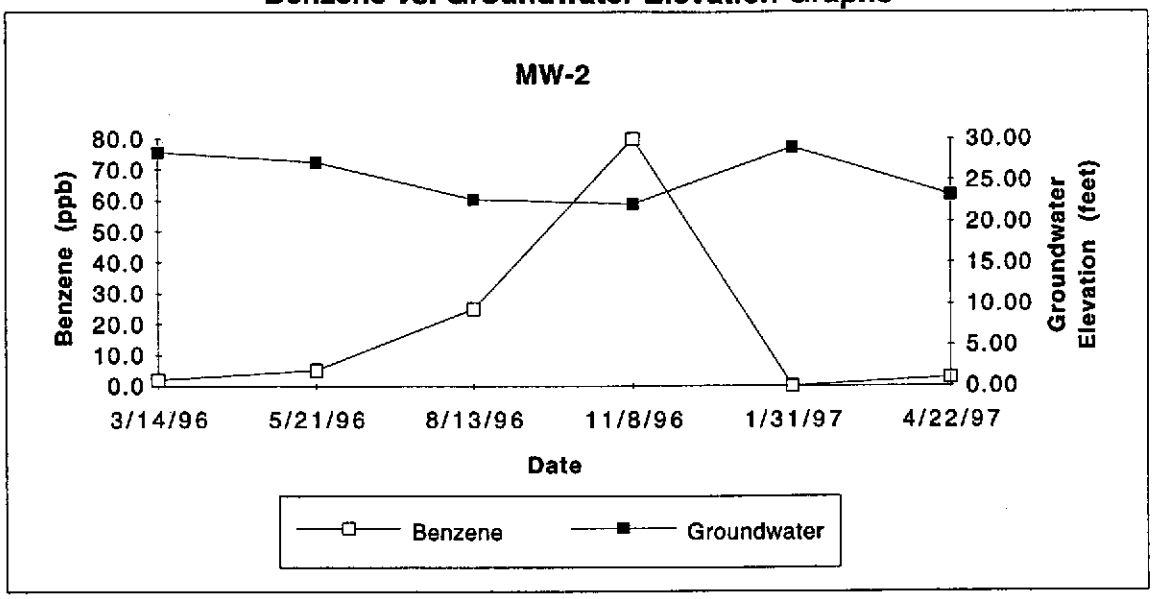
FIGURE 3

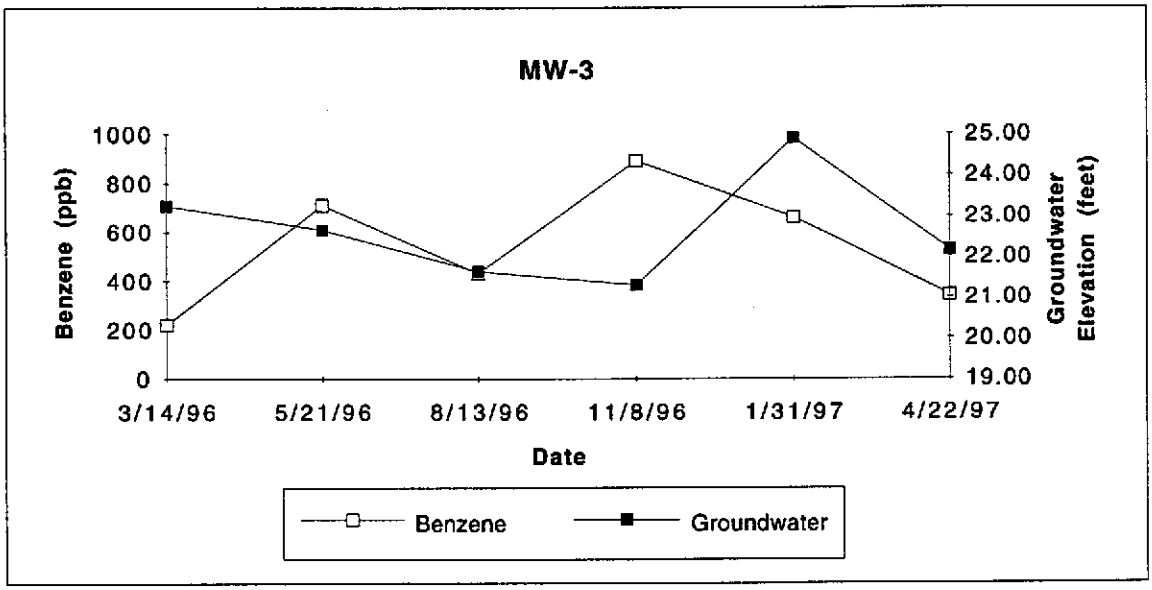
99-105/Site plan 3/19/97

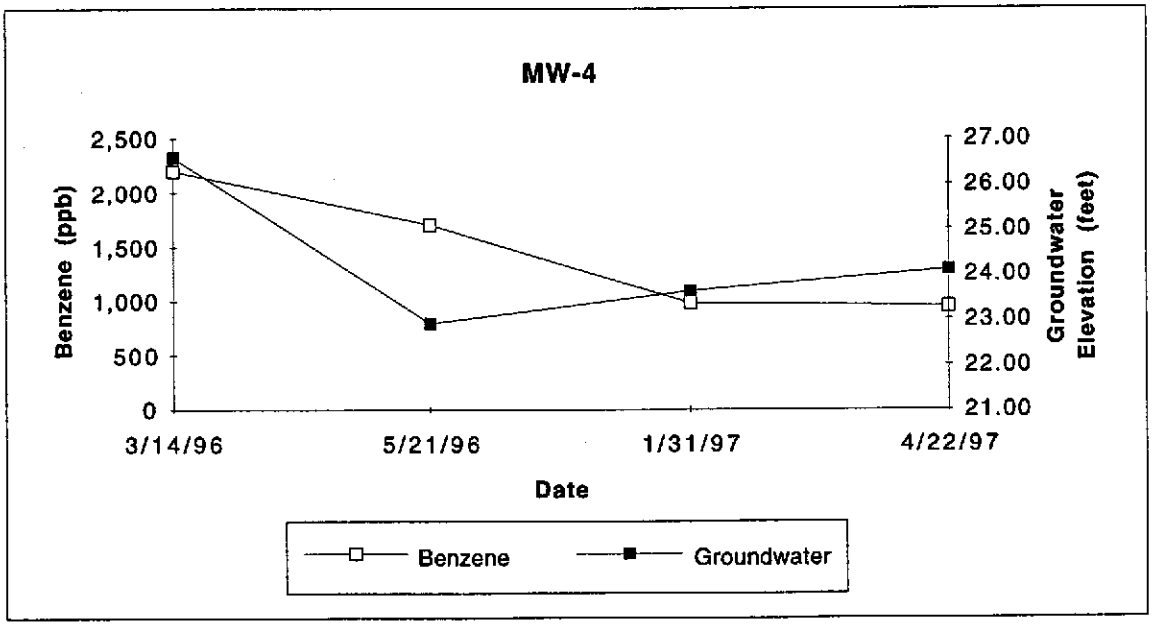
EXHIBIT 4

BENZENE VS. GROUNDWATER ELEVATION GRAPHS

Benzene vs. Groundwater Elevation Graphs







NOTE: ND values are plotted as zero.

EXHIBIT 5

WELL PURGING AND GROUNDWATER SAMPLING PROTOCOL

WELL PURGING AND GROUNDWATER SAMPLING PROTOCOL

FLUID-LEVEL MONITORING

Fluid-levels are monitored in the wells using an electronic interface probe with conductance sensors. The presence of liquid-phase hydrocarbons is verified using a hydrocarbon-reactive paste. The depth to liquid-phase hydrocarbons and water is measured to the nearest 0.01 foot relative to the well box top or top of casing. Well box or casing elevations are surveyed to within 0.02 foot relative to a county or city bench mark.

GROUNDWATER SAMPLING

Currently, 'pre-purge' and 'non-purge' methods of sampling both comply with regulatory standards.

NON-PURGE METHOD:

Alton Geoscience utilizes the 'non-purge' method of sampling for all qualifying groundwater monitoring wells. Groundwater samples are collected by lowering a 1.5-inch-diameter, bottom-fill, disposable polyethylene bailer just below the static water level in the well. The samples are carefully transferred from the check-valve-equipped bailer to 1-liter and 40-milliliter glass containers. The sample containers are filled to zero headspace and fitted with Teflon-sealed caps. Each sample is labeled with the project number, well number, sample date, and sampler's initials. Samples remain chilled at approximately 4°C prior to analysis by a state-certified laboratory.

The following criteria necessary for a well to qualify for 'non-purge' sampling are taken from a letter issued by San Francisco Bay Regional Water Quality Control Board on January 31, 1997:

1. The non-purging approach shall be used only for monitoring wells where groundwater has been impacted by petroleum hydrocarbons, BTEX, and MTBE.

2. Non-purge sampling shall be utilized for unconfined aquifers only.

3. The monitoring well shall be properly permitted, constructed (in this case, screened across the water table), and developed.

4. The well is presently in use for groundwater or soil vapor extraction.

5. The well does not contain free product.

6. For new wells or wells brought into monitoring for the first time, the first round of groundwater sampling performed at a site shall be with both non-purged and purged samples. The purging and sampling method used shall be documented. This shall include the rate of purge and sampling

details. For these wells we require measurements of dissolved oxygen, specific conductance, pH, and temperature whether purged or not purged. Also, if biodegradation is being tracked at the well, our requirements do not preclude the measurement of other parameters.

7. Existing wells which have already been routinely purged in previous sampling events immediate to being switched to a non-purging mode do not require an initial duplicate non-purged and purged sample.

8. Monitoring data frequency shall be as required by the appropriate regulatory oversight agency.

9. Should site closure be requested where the non-purged approach has been used, the final confirmation sampling event shall include both non-purged and purged samples from each well or as agreed upon with the appropriate regulatory oversight agency.

PURGE METHOD:

Groundwater monitoring wells that do not qualify for the 'non-purge' method are purged and sampled in accordance with standard regulatory protocol. Typically, monitoring wells that contain no liquid-phase hydrocarbons are purged of groundwater prior to sampling so that fluids sampled are representative of fluids within the formation. Temperature, pH, and specific conductance are typically measured after each well casing volume has been removed. Purging is considered complete when these parameters vary less than 10% from the previous readings, or when four casing volumes of fluid have been removed. Samples are collected without further purging if the well does not recharge within 2 hours to 80% of its volume before purging.

The purged water is either pumped directly into a licensed vacuum truck or temporarily stored in labeled drums prior to transport to an appropriate treatment or recycling facility. If an automatic recovery system (ARS) is operating at the site, purged water may be pumped into the ARS for treatment.

Groundwater samples are collected by lowering a 1.5-inch-diameter, bottom-fill, disposable polyethylene bailer just below the static water level in the well. The samples are carefully transferred from the check-valve-equipped bailer to 1-liter and 40-milliliter glass containers. The sample containers are filled to zero headspace and fitted with Teflon-sealed caps. Each sample is labeled with the project number, well number, sample date, and sampler's initials. Samples remain chilled at approximately 4°C prior to analysis by a state-certified laboratory.

EXHIBIT 6

MONITORING WELL SAMPLING FORMS

ALTON GEOSCIENCE
THE RESULTS TEAM

FLUID MEASUREMENT FIELD FORM

Project No.: 41-0123
Station No.: 99-105

Alton Personnel: JM
Date: 4-22-99

Well Number	Well Elevation	Depth to Water	Depth to Product	Free Product Thickness (ft)	Free Product Recovery	Total Depth	Comments
MW-1		9.14				19.85	
MW-2		9.61				19.73	
MW-3		10.64				19.91	
MW-4		9.49				23.02	

Alton Geoscience, Northern California Operations

GROUND WATER SAMPLING FIELD NOTES

Site: 99-105 Project No.: 41-0123 Sampled By: JM Date: 4-22-97

Well No. MW-1
Total Depth (feet)_____
Depth to Water (feet): 9.14
Water Column (feet):_____
80% Recharge Depth (feet):_____
Purge Method: No Purge
Depth to Product (feet):_____
Product Recovered (gallons):_____
Casing Diameter (inches):_____
1 Well Volume (gallons):_____

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH
				1,08	68.1	7.42
	Total Purged			Time Sampled		1225

Comments:
Turbidity =

Well No. MW-2
Total Depth (feet)_____
Depth to Water (feet): 9.61
Water Column (feet):_____
80% Recharge Depth (feet):_____
Purge Method: No Purge
Depth to Product (feet):_____
Product Recovered (gallons):_____
Casing Diameter (inches):_____
1 Well Volume (gallons):_____

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH
				.97	66.5	7.28
	Total Purged			Time Sampled		1230

Comments:
Turbidity =

Well No. MW-3
Total Depth (feet)_____
Depth to Water (feet): 10.64
Water Column (feet):_____
80% Recharge Depth (feet):_____
Purge Method: No Purge
Depth to Product (feet):_____
Product Recovered (gallons):_____
Casing Diameter (inches):_____
1 Well Volume (gallons):_____

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH
				.86	67.2	7.11
	)					
	Total Purged			Time Sampled		1245

Comments:
Turbidity =

Well No. MW-4
Total Depth (feet) 20.00
Depth to Water (feet): 7.40
Water Column (feet): 12.60
80% Recharge Depth (feet):_____
Purge Method: Sub
Depth to Product (feet): 0
Product Recovered (gallons): 0
Casing Diameter (inches): 4
1 Well Volume (gallons): 81.3

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH
			10	1,08	68.2	7.26
			20	.97	69.1	7.14
			30	.95	68.7	7.10
		Pumped	Dry			
	Total Purged		35	Time Sampled		1305

Comments: Thick Sheen
Turbidity =

Well No._____
Total Depth (feet)_____
Depth to Water (feet):_____
Water Column (feet):_____
80% Recharge Depth (feet):_____
Purge Method:_____
Depth to Product (feet):_____
Product Recovered (gallons):_____
Casing Diameter (inches):_____
1 Well Volume (gallons):_____

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH
	Total Purged			Time Sampled		

Comments:
Turbidity =

Well No._____
Total Depth (feet)_____
Depth to Water (feet):_____
Water Column (feet):_____
80% Recharge Depth (feet):_____
Purge Method:_____
Depth to Product (feet):_____
Product Recovered (gallons):_____
Casing Diameter (inches):_____
1 Well Volume (gallons):_____

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH
	Total Purged			Time Sampled		

Comments:
Turbidity =

EXHIBIT 7

ANALYTICAL LABORATORY DATA SHEETS

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Alton Geoscience	Client Project ID:	Mobil #99-105	Sampled: Apr 22, 1997
30-A Lindbergh Ave.	Sample Matrix:	Water	Received: Apr 23, 1997
Livermore, CA 94550	Analysis Method:	EPA 5030/8015 Mod./8020	Reported: Apr 30, 1997
Attention: Tom Seeliger	First Sample #:	704-1306	

QC Batch Number: GC042597 802004A | GC042597 802004A | GC042597 802004A | GC042597 802004A

TOTAL PURGEABLE PETROLEUM HYDROCARBONS with BTEX DISTINCTION

Analyte	Reporting Limit µg/L	Sample I.D. 704-1306 MW-1	Sample I.D. 704-1307 MW-2	Sample I.D. 704-1308 MW-3	Sample I.D. 704-1309 MW-4
Purgeable Hydrocarbons	50	N.D.	260	8,000	8,800
Benzene	0.50	N.D.	2.7	340	950
Toluene	0.50	N.D.	N.D.	33	N.D.
Ethyl Benzene	0.50	N.D.	2.5	400	610
Total Xylenes	0.50	N.D.	N.D.	490	130
MTBE:	2.5	N.D.	N.D.	200	N.D.
Chromatogram Pattern:		--	Gasoline & Unidentified Hydrocarbons >C8	Gasoline	Gasoline

Quality Control Data

Report Limit Multiplication Factor:	1.0	1.0	20	100
Date Analyzed:	4/25/97	4/25/97	4/25/97	4/25/97
Instrument Identification:	HP-4	HP-4	HP-4	HP-4
Surrogate Recovery, %: (QC Limits = 70-130%)	102	94	115	97

Purgeable Hydrocarbons are quantitated against a fresh gasoline standard.
Analytes reported as N.D. were not detected above the stated reporting limit.

SEQUOIA ANALYTICAL, #1271

Jim Bava
Project Manager

RECEIVED
MAY 02 1997

7041306.ALT <1>

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Alton Geoscience	Client Project ID:	Mobil #99-105	Sampled:	Apr 22, 1997
30-A Lindbergh Ave.	Sample Descript:	Water, MW-3	Received:	Apr 23, 1997
Livermore, CA 94550	Analysis Method:	EPA 8260	Analyzed:	Apr 25, 1997
Attention: Tom Seeliger	Lab Number:	704-1308	Reported:	Apr 30, 1997

QC Batch Number: MS043097MTBES2A

Instrument ID: GC/MS-2

VOLATILE ORGANICS by GC/MS

Analyte	Detection Limit µg/L	Sample Results µg/L
MTBE	10	N.D.

SEQUOIA ANALYTICAL, #1271

Jim Bava
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Alton Geoscience	Client Project ID:	Mobil #99-105	Sampled: Apr 22, 1997
30-A Lindbergh Ave.	Sample Matrix:	Water	Received: Apr 23, 1997
Livermore, CA 94550	Analysis Method:	EPA 3510/8015 Mod.	Reported: Apr 30, 1997
Attention: Tom Seeliger	First Sample #:	704-1306	

QC Batch Number: SP042597 8015EXA | SP042597 8015EXA | SP042597 8015EXA | SP042597 8015EXA

TOTAL EXTRACTABLE PETROLEUM HYDROCARBONS

Analyte	Reporting Limit µg/L	Sample I.D. 704-1306 MW-1	Sample I.D. 704-1307 MW-2	Sample I.D. 704-1308 MW-3	Sample I.D. 704-1309 MW-4
Extractable Hydrocarbons	50	N.D.	430	2,700	4,500
Chromatogram Pattern:		--	Diesel & Unidentified Hydrocarbons <C15	Diesel & Unidentified Hydrocarbons <C15	Diesel & Unidentified Hydrocarbons <C15

Quality Control Data

Report Limit Multiplication Factor:	1.0	1.0	1.0	1.0
Date Extracted:	4/25/97	4/25/97	4/25/97	4/25/97
Date Analyzed:	4/28/97	4/28/97	4/28/97	4/28/97
Instrument Identification:	HP-3B	HP-3B	HP-3B	HP-3B

Extractable Hydrocarbons are quantitated against a fresh diesel standard.
Analytes reported as N.D. were not detected above the stated reporting limit.

SEQUOIA ANALYTICAL, #1271

Jim Bava
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Alton Geoscience
30-A Lindbergh Ave.
Livermore, CA 94550
Attention: Tom Seeliger

Client Project ID: Mobil #99-105
Matrix: Liquid
QC Sample Group: 7041306-309

Reported: Apr 30, 1997

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes	MTBE	Diesel
QC Batch#:	GC042597	GC042597	GC042597	GC042597	MS043097	SP042597
Analy. Method:	802004A EPA 8020	802004A EPA 8020	802004A EPA 8020	802004A EPA 8020	MTBES2A EPA 8260	8015EXA EPA 8015
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030	EPA 5030	EPA 3510
Analyst:	K. Nill	K. Nill	K. Nill	K. Nill	I. Dalvand	D. Sharma
MS/MSD #:	7041223	7041223	7041223	7041223	-	BLK042597
Sample Conc.:	N.D.	N.D.	N.D.	N.D.	-	82 µg/L
Prepared Date:	4/25/97	4/25/97	4/25/97	4/25/97	-	4/25/97
Analyzed Date:	4/25/97	4/25/97	4/25/97	4/25/97	-	4/28/97
Instrument I.D.#:	HP-4	HP-4	HP-4	HP-4	-	HP-3B
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L	-	300 µg/L
Result:	18	19	18	56	-	240
MS % Recovery:	90	95	90	93	-	80
Dup. Result:	18	18	18	54	-	260
MSD % Recov.:	90	90	90	90	-	87
RPD:	0.0	5.4	0.0	3.6	-	8.0
RPD Limit:	0-25	0-25	0-25	0-25	0-25	0-50

LCS #:	4LCS042597	4LCS042597	4LCS042597	4LCS042597	LCS042997	LCS042597
Prepared Date:	4/25/97	4/25/97	4/25/97	4/25/97	4/29/97	4/25/97
Analyzed Date:	4/25/97	4/25/97	4/25/97	4/25/97	4/29/97	4/28/97
Instrument I.D.#:	HP-4	HP-4	HP-4	HP-4	GC/MS-2	HP-3B
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L	50 µg/L	300 µg/L
LCS Result:	18	19	18	56	46	250
LCS % Recov.:	90	95	90	93	92	83
MS/MSD LCS Control Limits	70-130	70-130	70-130	70-130	60-140	60-140

SEQUOIA ANALYTICAL, #1271

Jim Bava
Project Manager

Please Note:
The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

** MS = Matrix Spike, MSD = MS Duplicate, RPD = Relative % Difference

9704367

SEQUOIA ANALYTICAL
CHAIN OF CUSTODY

☐ 680 Chesapeake Drive • Redwood City, CA 94063 • (415) 364-9600 FAX (415) 364-9233
☐ 819 Striker Ave., Suite 8 • Sacramento, CA 95834 • (916) 921-9600 FAX (916) 921-0100
☐ 404 North Wiget Lane • Walnut Creek, CA 94598 • (510) 988-9600 FAX (510) 988-9673

Mobil Oil Consulting Firm: Alton Geoscience	Station No./Site Address: 99-105
Address: 30 A Lindbergh Ave	Project Contact: Tom Sclicer
City: Livermore State: CA Zip: 94550	Mobil Oil Engineer: Cherise Fowler
Tel: (510) 606-9150 Fax.: (510) 606-9260	Sampler(s) (signature):

Sample I.D.	Matrix	Date Sampled	Time	Preservation	Number of Containers	Type of Containers	BTEX - EPA 602/8020	BTEX -TPH EPA M602/8015/8020 (GAS)	TPH EPA Modified 8015 Gas ☐ Diesel ☒	Oil & Grease - EPA 413.2	TPH - EPA 418.1	EPA 601/8010	EPA 624/8240	EPA 625/8270	Title 22 Metals EPA 6010/7000 TTLC ☐ STLC ☐	Lead Org./DHS ☐ Lead Total ☐	EDB/DBCD - EPA 504	pH	Bioassay - Title 22 Haz. Waste	Bioassay - Effluent	MTBE*	
MW-1	H_2O	4-22	1220	HCl	4	5 VOA		X	X	7041306				A+D							X	
MW-2			1230		4			X	X	7041307											X	
MW-3			1240		4			X	X	7041308											X	
MW-4			1300		4			X	X	7041309											X	

CODING (check one) TH 12 10

- Code 1 ☐ Emergency Response
- Code 2 ☐ Site Assessment
- Code 3 ☐ Remediation (Plan Devlpmt.)
- Code 4 ☐ Active Remed. (Install./Start-up)
- Code 5 ☐ Active Remed. (O & M)
- Code 6 ☒ Passive Remed/ Monitoring
- Code 7 ☐ Closure
- Code 8 ☐ Construction
- Code 9 ☐ Litigation/Claims Fines

Relinquished by:	Date/Time: 4/23/97 1505	Received by: Date/Time: 4/23/97 1505
Relinquished by:	Date/Time: 4/23/97 1720	Received by: Date/Time:
Relinquished by:	Date/Time:	Received in Lab by: Date/Time: 4/23/97 1720

Turnaround Time: (check one)
Normal 7day ____ Same day ____
1 day ____ 2 day ____
5 day ____

Sample Integrity:
Intact ____ On Ice ____

Remarks:
* Run Highest MTBE for 8260.

EXHIBIT 8

WASTE DISPOSAL MANIFEST

Monitoring Well Purge Water Transport Form

Generator Information

Name: Mobil Oil Corporation Attn: Steve Pao

Address: 3700 West 190th Street, TPT-2

City, State, Zip: Torrance, CA 90509-2929 Phone: (310) 212-1877

Description of Water: Monitoring well purge water

The generator certifies that this water as described is non-hazardous. Matt Kuter ~~Mark Fritz~~ for Mobil: Matt Kuter 4-25-97 (Date)

Site Information

	Date Generated	Mobil Site No.	Amount Generated	Sampler's Initials
1	3-11-97	10-HTD	20	CC
2	3-13-97	04-FC4	50	JM
3	3-18-97	10-HMG	18	JM
4	3-24-97	99-A01	± 20	CC
5	4/10/97	04-FUK	≈ 150	cc
6	4/11/97	99-MTE	≈ 105	dc
7	4/14/97	04-FUW	75	cc
8	4/15/97	04-JIX	80	cc
9	4/22/97	10-G9R	128	CC
10	4/22/97	99-105	30	JM
11				
12				
13				
14				
15				

	Date Generated	Mobil Site No.	Amount Generated	Sampler's Initials
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				
		Total:	676	

Transporter Information

Name: Clearwater Environmental Management

Address: P.O. Box 7420

City, State, Zip: Fremont, CA 94555 Phone: (800) 499-3676

Truck ID No.: 110-111 STEVEN R STONE (Typed or printed full name & signature) Steven R Stone 4/25/97 (Date)

Receiving Facility

Name: McKittrick Waste Treatment Site

Address: 56533 Highway 58 West

City, State, Zip: McKittrick, CA 93251 Phone: (805) 762-7607

Approval No.: 1296-1367-PS [illegible] 4-28-97 (Typed or printed full name & signature) (Date)

MAY 06 1997

1/29/97

3

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

2. Page 1 of 1

3. Document Number NH- № 43371

4. Generator's Name and Mailing Address
Mobil Oil
3700 W. 190th Street TPTZ
TORRANCE, CA 90509-2929
Generator's Phone 310-212-1877

Profile # 1296-1367-PS

5. Transporter Company Name Clearwater Environmental Management Inc

6. US EPA ID Number CAR000007013

7. Transporter Phone 510-797 8511

8. Designated Facility Name and Site Address
McKittrick WASTE Treatment Site
56533 Hwy 58, WEST
McKittrick, CA 93251

9. US EPA ID Number CAD980636831

10. Facility's Phone 805 762 7366

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. NON HAZARDOUS WASTE LIQUID	001	TT	676	G
b.				

15. Special Handling Instructions and Additional Information
WEAR Protective Gear
Emergency contact
510-797 8511
ATTN Kirk Hayward

Site Alton Geoscience
904 Lindberg
Livermore, CA

Handling Codes for Wastes Listed Above
11a. | 11b.

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to state or federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name: Matt Kuten for Mobil Oil
Signature: Matt Kuten
Month 4 Day 27 Year 97

17. Transporter Acknowledgement of Receipt of Materials

Printed/Typed Name: STEVEN R. STONE
Signature: Steven R Stone
Month 04 Day 25 Year 97

18. Discrepancy Indication Space

MWS TOR PM

19. Facility Owner or Operator Certification of receipt of waste materials covered by this manifest except as noted in Item 18.

Printed/Typed Name: KATHY MAY
Signature:
Month 4 Day 28 Year 97

GENERATOR — TRANSPORTER — FACILITY

WHITE COPY — YELLOW COPY — GENERATOR'S COPY