



1683

April 15, 1999

Alton Project No. 41-0123

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

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

Dear Ms. Hugo:

Please find enclosed the First Quarter 1999 Progress Report for the subject location prepared for Mobil Business Resources 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 Cherine Foutch, Mobil Engineer, at (925) 625-1173, or Chris Dennis, Alton Geoscience Project Geologist, at (925) 606-9150, ext. 104.

Sincerely,

Tom Seeliger
Project Geologist

26# H.C. from MW #4

No radius of influence from MW #3,

cc: Ms. Cherine Foutch, Mobil Business Resources Corporation
Mr. Chuck Headlee, Regional Water Quality Control Board, San Francisco Bay Region

ALTON GEOSCIENCE

Quarterly Progress Report Summary Sheet
 First Quarter 1999

Former Mobil Station 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:	27-Jan-99
Number of groundwater wells on-site:	4	Groundwater wells monitored:	4
Number of groundwater wells off-site:	0	Groundwater wells sampled:	3
		Groundwater wells with free product:	1
Phase of Investigation: Vadose Zone:	N/A	Groundwater phase:	Monitor & Sample
SITE HYDROGEOLOGY:			
Approximate depth to ground water below ground surface:			6.38 ft
Approximate elevation of potentiometric surface above Mean Sea Level:			26.11 ft
Average Increase/Decrease in ground water elevations since last sampling episode:		Increase:	4.04 ft
Approximate flow direction and hydraulic gradient:		Southwest at:	0.06 ft/ft
GROUND WATER CONTAMINATION (BENZENE MCL=1.0 ppb):			
Wells containing free product:	1	Range in Thickness of Free Product:	ND to 0.07 ft
Number of wells with concentrations below MCL:	2	Volume of Free Product Recovered This Period:	0.15 gals
Number of wells with concentrations at or above MCL:	1	Volume of Free Product Recovered To Date:	2.65 gals
		Range in Concentrations:	Benzene: ND<0.3 to 74 ppb TPH-G: ND<50 to 3,100 ppb
Nature of contamination:	Gasoline		
ADDITIONAL INFORMATION:			
Monitoring Well MW-4 contained 0.07 feet of free product on 1/27/99. The well was not sampled; however, the free product (approximately 0.15 gallon) was removed and is currently stored onsite in a 55-gallon drum pending proper disposal.			

Prepared by: [Signature] For Sarah Larese
 Staff Scientist

Alton Project No: 41-0123

Approved by: [Signature] Tracy L. Walker, RG
 California RG #6808 Associate

Submittal Date: 4/15/99

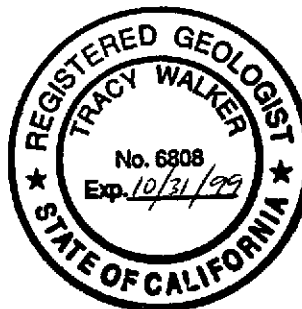


EXHIBIT 1
SAMPLING SCHEDULE

MONITORING WELL SAMPLING SCHEDULE 1999
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	Depth to	Groundwater	Product	TPH-G (ppb)	TPH-D (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl-	Total	MTBE	MTBE	TOG (ppb)	Lead (ppb)	Dissolved
		Elevation (feet)	Water (feet)	Elevation (feet)	Thickness (feet)					benzene (ppb)	Xylenes (ppb)	8020 (ppb)	8240 or 8260 (ppb)			Oxygen (mg/L)
TW-1	01/04/96	—	6.00	—	0.00	ND	700	ND	ND	ND	ND	—	—	—	—	—
WW-1	01/04/96	—	3.00	—	0.00	ND	—	ND	ND	ND	ND	—	—	ND	—	—
MW-1	03/14/96	32.79	4.50	28.29	0.00	610	450	0.75	0.54	1.5	59	—	—	—	ND	—
MW-1	05/21/96	32.79	5.64	27.15	0.00	ND	ND	ND	ND	ND	ND	—	—	—	—	—
MW-1	08/13/96	32.79	9.76	23.03	0.00	ND	ND	ND	ND	ND	ND	—	—	—	—	—
MW-1	11/08/96	32.79	10.24	22.55	0.00	ND	ND	ND	0.92	ND	2.1	ND	—	—	—	—
MW-1	01/31/97	32.79	3.83	28.96	0.00	ND	ND	ND	0.85	ND	ND	2.6	ND	—	—	—
MW-1	04/22/97	32.79	9.14	23.65	0.00	ND	ND	ND	ND	ND	ND	ND	—	—	—	—
MW-1†	07/29/97	32.79	10.18	22.61	0.00	ND	60****	0.84	0.95	ND	1.6	36	—	—	—	—
MW-1†	10/09/97	32.79	10.46	22.33	0.00	ND	56****	ND	ND	ND	ND	ND	—	—	—	—
MW-1†	01/23/98	32.79	3.95	28.84	0.00	ND	33	ND	ND	ND	ND	ND	—	—	—	—
MW-1	04/22/98	32.79	5.33	27.46	0.00	ND	ND	ND	ND	ND	ND	ND	—	—	—	1.25
MW-1	07/21/98	32.79	9.17	23.62	0.00	ND	—	ND	ND	ND	ND	ND	—	—	—	4.34
MW-1	10/20/98	32.79	10.41	22.38	0.00	ND	—	ND	ND	ND	ND	ND	—	—	—	2.49
MW-1	01/27/99	32.79	5.51	27.28	0.00	ND	—	ND	ND	ND	ND	ND	—	—	—	5.25
MW-2	03/14/96	32.80	4.51	28.29	0.00	560	250	2.0	0.96	4.3	11	—	—	—	ND	—
MW-2	05/21/96	32.80	5.65	27.15	0.00	730	560	5.1	1.4	6.7	5.9	—	—	—	—	—
MW-2	08/13/96	32.80	10.14	22.66	0.00	490	380*	25	3.5	7.2	13	—	—	—	—	—
MW-2	11/08/96	32.80	10.70	22.10	0.00	520	160****	80	2.7	14	66	6.1	—	—	—	—
MW-2	01/31/97	32.80	3.84	28.96	0.00	74	130*	ND	ND	ND	ND	ND	—	—	—	—
MW-2	04/22/97	32.80	9.61	23.19	0.00	260	430	2.7	ND	2.5	ND	ND	—	—	—	—
MW-2†	07/29/97	32.80	10.53	22.27	0.00	320	150*****	28	1.2	10	ND	ND	—	—	—	—
MW-2†	10/09/97	32.80	10.87	21.93	0.00	460	160*	43	2.8	2.0	2.6	2.6	—	—	—	—
MW-2†	01/23/98	32.80	3.75	29.05	0.00	ND	54	ND	ND	ND	ND	ND	—	—	—	—
MW-2	04/22/98	32.80	5.36	27.44	0.00	180	540	1.2	0.3	0.4	ND	ND	—	—	—	0.85
MW-2	07/21/98	32.80	9.55	23.25	0.00	80	—	8.9	2.1	0.6	2.5	ND	—	—	—	1.04
MW-2	10/20/98	32.80	10.75	22.05	0.00	50	—	0.8	0.7	ND	0.8	ND	—	—	—	1.12
MW-2	01/27/99	32.80	5.53	27.27	0.00	ND	—	0.6	ND	ND	ND	ND	—	—	—	0.99
MW-3	03/14/96	32.80	9.55	23.25	0.00	4,200	1,200	220	30	140	520	—	—	ND	ND	—
MW-3	05/21/96	32.80	10.16	22.64	0.00	8,500	2,800	710	110	440	1,700	—	—	—	—	—
MW-3	08/13/96	32.80	11.18	21.62	0.00	5,000	2,300**	430	ND	200	360	—	—	—	—	—

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)	Dissolved Oxygen (mg/L)
MW-3	11/08/96	32.80	11.51	21.29	0.00	8,400	2,900*	890	82	790	1,700	73	ND	—	—	—
MW-3	01/31/97	32.80	7.90	24.90	0.00	16,000	7,500*	660	85	960	1,800	ND	—	—	—	—
MW-3	04/22/97	32.80	10.64	22.16	0.00	8,000	2,700	340	33	400	490	200	ND	—	—	—
MW-3†	07/29/97	32.80	11.36	21.44	0.00	9,800	2,300*	330	ND	530	530	ND	—	—	—	—
MW-3†	10/09/97	32.80	11.52	21.28	0.00	7,300	2,600*	300	ND	430	460	270	ND	—	—	—
MW-3†	01/23/98	32.80	7.50	25.30	0.00	6,100	2,300	190	23	330	320	ND	—	—	—	—
MW-3	04/22/98	32.80	6.81	25.99	0.00	4,900	2,600	140	12	250	230	ND	ND	—	—	0.45
MW-3	07/21/98	32.80	10.65	22.15	0.00	7,400	—	250	16	400	370	74	ND	—	—	0.78
MW-3	10/20/98	32.80	11.57	21.23	0.00	6,700	—	200	18	350	350	ND	ND	—	—	0.69
MW-3	01/27/99	32.80	9.11	23.69	0.00	3,100	—	74	4	94	39	13	—	—	—	1.20
MW-4	03/14/96	31.50	4.92	26.58	0.00	12,000	3,500	2,200	140	880	2,000	—	—	—	ND	—
MW-4	05/21/96	31.50	8.60	22.90	0.00	11,000	4,200	1,700	ND	930	470	—	—	—	—	—
MW-4	08/13/96	31.50	10.02	21.50	0.02	—	—	—	—	—	—	—	—	—	—	—
MW-4	11/08/96	31.50	10.28	21.33	0.15	—	—	—	—	—	—	—	—	—	—	—
MW-4	01/31/97	31.50	7.88	23.62	0.00	23,000	8,200*	980	68	1,100	1,400	ND	—	—	—	—
MW-4	04/22/97	31.50	7.40	24.10	0.00	8,800	4,500	950	ND	610	130	ND	—	—	—	—
MW-4	07/29/97	31.50	9.85	21.74	0.12	—	—	—	—	—	—	—	—	—	—	—
MW-4	10/09/97	31.50	10.35	21.38	0.30	—	—	—	—	—	—	—	—	—	—	—
MW-4	01/23/98	31.50	4.68	27.51	0.92	—	—	—	—	—	—	—	—	—	—	—
MW-4	04/22/98	31.50	6.39	25.22	0.14	—	—	—	—	—	—	—	—	—	—	—
MW-4	07/21/98	31.50	7.10	24.55	0.20	—	—	—	—	—	—	—	—	—	—	—
MW-4	10/20/98	31.50	9.03	22.60	0.17	—	—	—	—	—	—	—	—	—	—	—
MW-4	01/27/99	31.50	5.37	26.18	0.07	—	—	—	—	—	—	—	—	—	—	—
AB-1	03/05/98	—	—	—	—	1,600	—	31	5.3	79	130	ND	—	—	—	—
AB-2	03/05/98	—	—	—	—	ND	—	ND	2.9	0.9	5.7	ND	—	—	—	—
AB-3	03/05/98	—	—	—	—	6,800	—	680	100	1,500	2,300	230	—	—	—	—
AB-4	03/05/98	—	—	—	—	8,500	—	240	ND	260	720	ND	—	—	—	—
AB-6	03/05/98	—	—	—	—	12,000	—	350	ND	310	100	ND	—	—	—	—
AB-9	03/05/98	—	—	—	—	1,000	—	57	12	44	93	ND	—	—	—	—

YET
N/98

0.17
0.07

Groundwater Levels and Chemical Analysis

Former Mobil Station 99-105

Well ID	Date	Top of Casing	Depth to	Groundwater	Product	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)	Dissolved Oxygen (mg/L)
		Elevation (feet)	Water (feet)	Elevation (feet)	Thickness (feet)											
AB-10	03/05/98	—	—	—	—	200	—	3.0	1.2	3.2	2.8	ND	—	—	—	—
AB-11	03/05/98	—	—	—	—	ND	—	ND	ND	ND	ND	ND	—	—	—	—
AB-12	03/05/98	—	—	—	—	8,800	—	660	50	630	940	37	—	—	—	—
AB-13	03/05/98	—	—	—	—	210	—	11	0.8	10	15	ND	—	—	—	—

NOTES:

ppb = parts per billion
 mg/L = milligrams per liter
 TPH-G = total petroleum hydrocarbons as gasoline
 TPH-D = total petroleum hydrocarbons as diesel
 TOG = total oil and grease
 MTBE = methyl-tert butyl ether

— = not measured/not analyzed
 ND = not detected at or above method detection limit
 ** = diesel and unidentified hydrocarbons <C15>C25
 *** = diesel and unidentified hydrocarbons <C20
 **** = unidentified hydrocarbons >C18
 ***** = diesel and unidentified hydrocarbons >C20

† = well sampled using no-purge method



1 MILE 3/4 1/2 1/4 0 1 MILE

SCALE 1 : 24,000



SOURCE:

United States Geological Survey
7.5 Minute Topographic Maps:
Oakland West Quadrangle



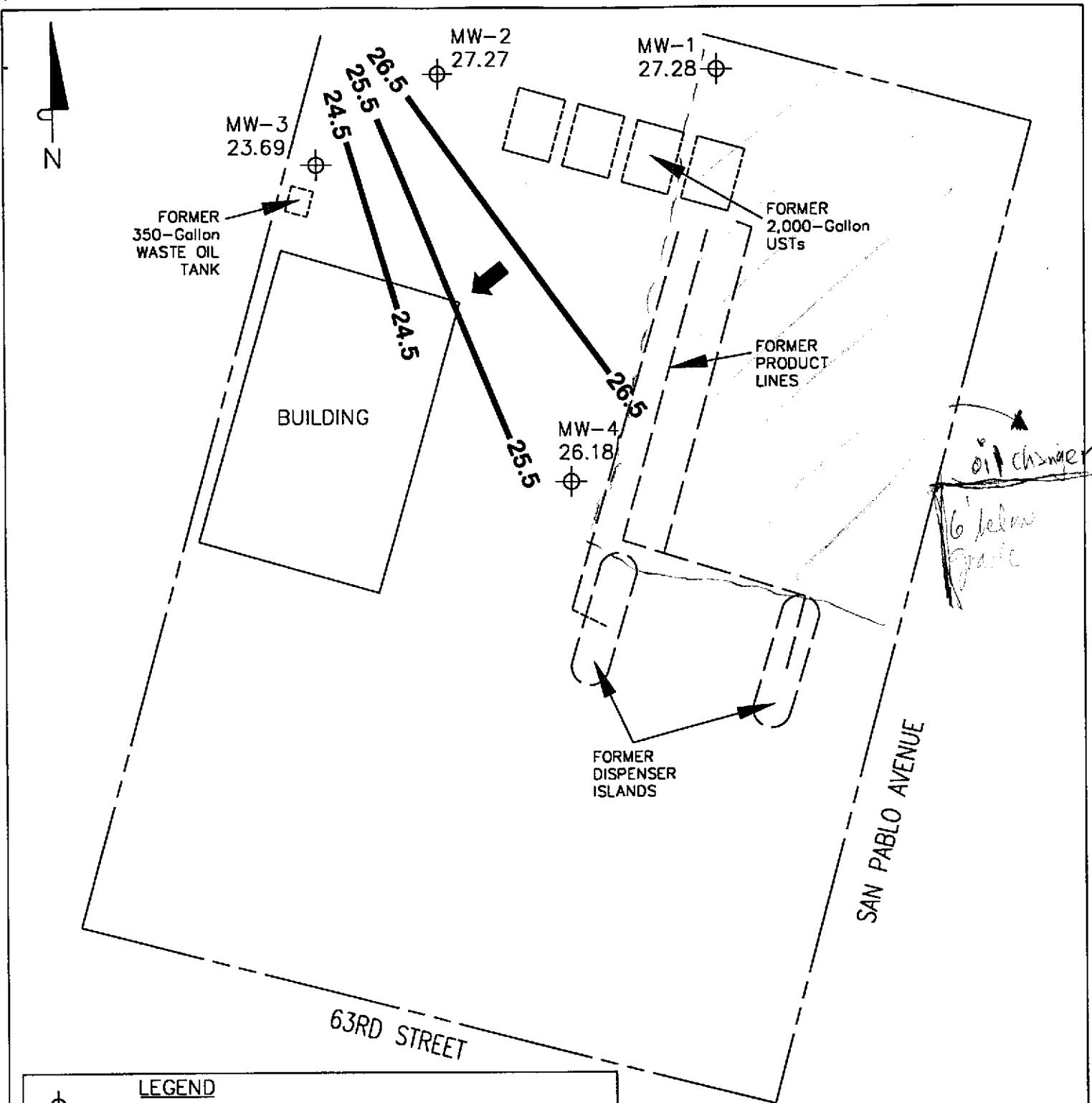
VICINITY MAP

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

FIGURE 1



**ALTON
GEOSCIENCE**
Livermore, California



LEGEND

⊕
 MW-4 25.22 Monitoring Well Showing Groundwater Elevation (Feet Relative to Mean Sea Level - NGVD-1929)

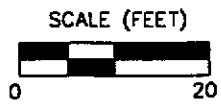
24.5 — Groundwater Elevation Contour Line

← General Direction of Groundwater Gradient

NOTES:
 Contour lines are interpretive based on fluid level measurements collected on January 27, 1999.
 Contour interval = 1.0 foot.

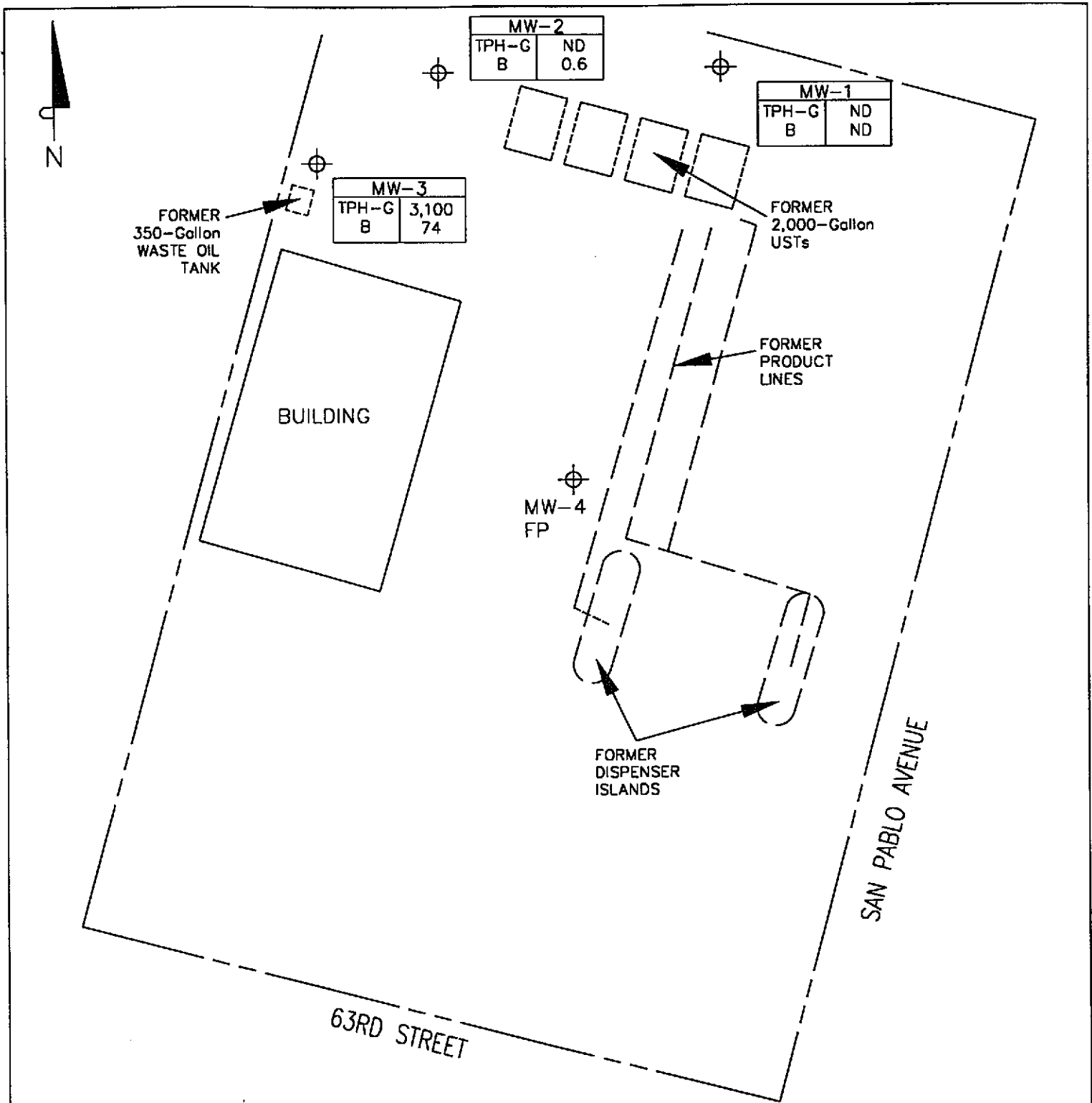
**GROUNDWATER ELEVATION
 CONTOUR MAP
 January 27, 1999**

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



Source: ALISTO Engineering

FIGURE 2



LEGEND

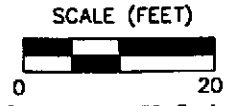
Monitoring Well Showing Dissolved-Phase Hydrocarbon Concentrations (ppb)

MW-2	
TPH-G	
TPH-D	
B	

DISSOLVED-PHASE HYDROCARBON CONCENTRATIONS
January 27, 1999

NOTES:
Hydrocarbon concentrations are based on results of laboratory samples collected January 27, 1999. TPH-G = total petroleum hydrocarbons as gasoline; TPH-D = total petroleum hydrocarbons as diesel; B = benzene; ppb = parts per billion; ND = not detected at or above method detection limit; -- = not analyzed at this sampling event; FP = free product.

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



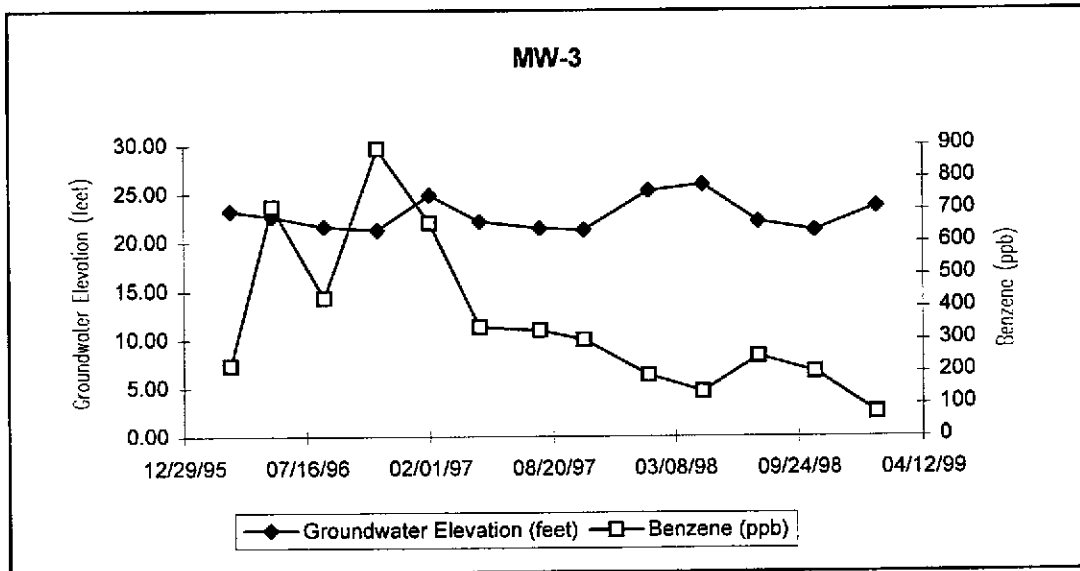
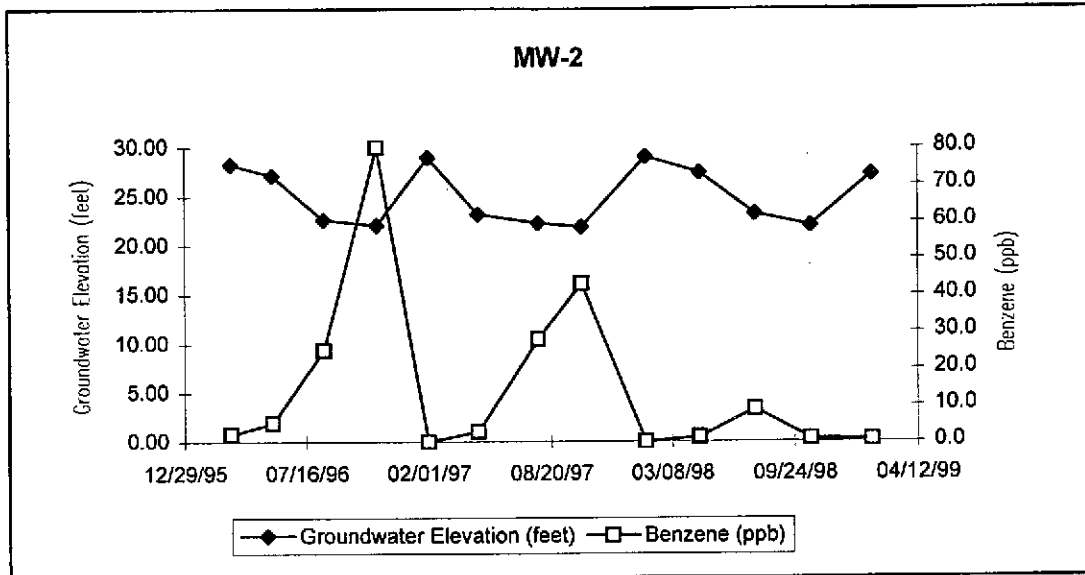
Source: ALISTO Engineering

FIGURE 3

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

FLUID MEASUREMENT FIELD FORM

Project No.: 41
99-0123-60
 Station No.: 99-105

Alton Personnel: Kevin Dodan
 Date: 1/27/99

Well Number	Screen Interval	Depth to Water	Depth to Product	Free Product Thickness (ft)	Free Product Recovery	Total Depth	DO - mg/L Comments
MW-1		5.51				19.84	5.25
MW-2		5.53				19.47	.99
MW-3		9.11				20.04	1.20 no DO taken
MW-4		5.37	5.30	.07			

Alton Geoscience, Northern California Operations
GROUND WATER SAMPLING FIELD NOTES

Date: 1/27/99

Site: 99-105 Project No.: 41-0123-60 Sampled By: KJD

Date: Dia

Well No. MW-1 Purge Method: Dia
 Total Depth (feet) 19.84 Depth to Product (feet): _____
 Depth to Water (feet): 5.51 Product Recovered (gallons): _____
 Water Column (feet): 14.33 Casing Diameter (Inches): 4
 80% Recharge Depth (feet): 8.37 1 Well Volume (gallons): 9.3

Well No. MW-2 Purge Method: Dia
 Total Depth (feet) 19.47 Depth to Product (feet): _____
 Depth to Water (feet): 5.53 Product Recovered (gallons): _____
 Water Column (feet): 13.94 Casing Diameter (Inches): 4
 80% Recharge Depth (feet): 8.31 1 Well Volume (gallons): 9.06

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH
1:57				164	59.8	6.95
				157	62.0	6.93
	2:08			153	62.9	6.92
Total Purged			26	Time Sampled		2:20

Comments: 3 GPM
Turbidity = _____

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH
2:30				163	62.1	7.62
	2:39			169	62.1	7.49
				174	62.7	7.04
Total Purged			28	Time Sampled		2:50

Comments: 3 GPM
Turbidity = _____

Well No. MW-3 Purge Method: Dia
 Total Depth (feet) 20.04 Depth to Product (feet): _____
 Depth to Water (feet): 9.11 Product Recovered (gallons): _____
 Water Column (feet): 10.93 Casing Diameter (Inches): 4
 80% Recharge Depth (feet): 11.29 1 Well Volume (gallons): 7.10

Well No. MW-4 Purge Method: Dia
 Total Depth (feet) _____ Depth to Product (feet): _____
 Depth to Water (feet): _____ Product Recovered (gallons): _____
 Water Column (feet): _____ Casing Diameter (Inches): _____
 80% Recharge Depth (feet): _____ 1 Well Volume (gallons): _____

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH
3:00				197	59.7	6.97
	3:02			119	60.7	6.73
	3:08			117	61.3	6.07
Total Purged			22	Time Sampled		3:20

Comments: 3 GPM
Turbidity = _____

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

Comments: Failed Product from MW-4
Turbidity = _____

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

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

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



LLI Sample No. WW **3082841**
 Collected: 1/27/99 at 14:20 by KD

Submitted: 2/ 1/99 Reported: 2/ 6/99
 Discard: 3/ 9/99

MW-1 Grab Water Sample
 LOC# 99-105 PRCA# 980044 PHC# 1L
 MOBIL: 6301 San Pablo Ave., Oakland, CA

Account No: 09728
 Mobil Business Resources Corp.
 2063 Main Street
 Suite 501
 Oakley CA 94561

P.O. 99-105
 Rel.

CAT NO.	ANALYSIS NAME	AS RECEIVED		
		RESULTS	REPORTING LIMIT	UNITS
8209	BTEX, MTBE (8020)			
0776	Benzene	N.D.	0.3	ug/l
0777	Toluene	N.D.	0.3	ug/l
0778	Ethylbenzene	N.D.	0.3	ug/l
0779	Total Xylenes	N.D.	0.6	ug/l
0780	Methyl tert-Butyl Ether	N.D.	10.	ug/l
8268	8015 Mod. for Gasoline			
5554	TPH-GRO (CA LUFT)	N.D.	50.	ug/l

QUALITY CONTROL REPORT

SAMPLE RPT LIM	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LIMITS	
										LOW	HIGH
8209 BTEX, MTBE (8020) Batch: 99033A56											
0776	Benzene										
0.3	ug/l	N.D.		104	105	0	101			81	124
0777	Toluene										
0.3	ug/l	N.D.		103	101	2	98			84	119
0778	Ethylbenzene										
0.3	ug/l	N.D.		106	105	2	100			82	118
0779	Total Xylenes										
0.6	ug/l	N.D.		108	107	1	104			81	120
0780	Methyl tert-Butyl Ether										
10.	ug/l	N.D.		91	92	1	100			79	125
8268 8015 Mod. for Gasoline Batch: 99033A56											
5554	TPH-GRO (CA LUFT)										
50.	ug/l	N.D.		111	110	1	104			72	124

#=Laboratory Method Detection Limit exceeded State Regulatory Limit
 N.D.=Not detected at or above the Reporting Limit

1 COPY TO Alton Geoscience ATTN: Kathleen Racke

Questions? Contact your Client Services Representative
 Jedidiah E. Turzi at (717) 656-2300
 03:43:35 D 0001 3 134750 650846
 232 0.00 00004500 ASR000

Lancaster Laboratories
 2425 New Holland Pike
 PO Box 12425
 Lancaster, PA 17605-2425
 717-656-2300 Fax 717-656-2651

RECEIVED

FEB 12 1999

BY: *Donald J. Shady Jr*

Respectfully Submitted
 Thomas C. Lehman, Ph.D.
 Group Leader, Petrol. Analysis





LLI Sample No. WW 3082841

Collected: 1/27/99 at 14:20 by KD

Submitted: 2/ 1/99 Reported: 2/ 6/99
Discard: 3/ 9/99

MW-1 Grab Water Sample
LOC# 99-105 PRCA# 980044 PHC# 1L
MOBIL: 6301 San Pablo Ave., Oakland, CA

Account No: 09728
Mobil Business Resources Corp.
2063 Main Street
Suite 501
Oakley CA 94561

P.O. 99-105
Rel.

SAMPLE RPT LIM	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS LCS	LCS DUP	LCS RPD	LCS LIMITS LOW HIGH
-------------------	-----------------	-------	------------	----	-----	-----------	------------	------------	------------	------------------------

SURROGATE SUMMARY

	TRIAL ID	SURROGATE	RECOVERY %	SURROGATE LIMITS LOW	SURROGATE LIMITS HIGH
8209 BTEX, MTBE (8020)		TFT	88	77	125
8268 8015 Mod. for Gasoline		TFT	81	61	133

LABORATORY CHRONICLE

CAT	ANALYSIS NAME	METHOD	TRIAL ID	ANALYSIS DATE AND TIME	ANALYST
8209	BTEX, MTBE (8020)	SW-846 8020A	1	02/03/99 1851	Courtney M. Kutchi
8268	8015 Mod. for Gasoline	CA LUFT Gasoline Method	1	02/03/99 1851	Courtney M. Kutchi

State of California Lab Certification No. 2116

#=Laboratory Method Detection Limit exceeded State Regulatory Limit
N.D.=Not detected at or above the Reporting Limit

Questions? Contact your Client Services Representative
Jedidiah E. Turzi at (717) 656-2300

Donald J. Blahy Jr.
for

Respectfully Submitted
Thomas C. Lehman, Ph.D.
Group Leader, Petrol. Analysis



Lancaster Laboratories
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax 717-656-2681

See reverse side for explanation of symbols and abbreviations

2216 Rev 3/4/97



LLI Sample No. WW 3082842

Collected: 1/27/99 at 14:50 by KD

Submitted: 2/ 1/99 Reported: 2/ 6/99

Discard: 3/ 9/99

MW-2 Grab Water Sample

LOC# 99-105 PRCA# 980044 PHC# 1L

MOBIL: 6301 San Pablo Ave., Oakland, CA

Account No: 09728
Mobil Business Resources Corp.
2063 Main Street
Suite 501
Oakley CA 94561

P.O. 99-105
Rel.

CAT NO.	ANALYSIS NAME	AS RECEIVED		
		RESULTS	REPORTING LIMIT	UNITS
8209	BTEX, MTBE (8020)			
0776	Benzene	0.6	0.3	ug/l
0777	Toluene	N.D.	0.3	ug/l
0778	Ethylbenzene	N.D.	0.3	ug/l
0779	Total Xylenes	N.D.	0.6	ug/l
0780	Methyl tert-Butyl Ether	N.D.	10.	ug/l
8268	8015 Mod. for Gasoline			
5554	TPH-GRO (CA LUFT)	N.D.	50.	ug/l

QUALITY CONTROL REPORT

SAMPLE RPT LIM	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LIMITS	
										LOW	HIGH
8209 BTEX, MTBE (8020)		Batch: 99033A56									
0776	Benzene										
	0.3 ug/l	N.D.		104	105	0	101			81	124
0777	Toluene										
	0.3 ug/l	N.D.		103	101	2	98			84	119
0778	Ethylbenzene										
	0.3 ug/l	N.D.		106	105	2	100			82	118
0779	Total Xylenes										
	0.6 ug/l	N.D.		108	107	1	104			81	120
0780	Methyl tert-Butyl Ether										
	10. ug/l	N.D.		91	92	1	100			79	125
8268 8015 Mod. for Gasoline		Batch: 99033A56									
5554	TPH-GRO (CA LUFT)										
	50. ug/l	N.D.		111	110	1	104			72	124

#=Laboratory Method Detection Limit exceeded State Regulatory Limit
N.D.=Not detected at or above the Reporting Limit

1 COPY TO Alton Geoscience

ATTN: Kathleen Racke

Questions? Contact your Client Services Representative
Jedidiah E. Turzi at (717) 656-2300
03:44:27 D 0001 3 134750 650846
232 0.00 00004500 ASR000

Donald L. Shady Jr.
for

Respectfully Submitted
Thomas C. Lehman, Ph.D.
Group Leader, Petrol. Analysis



Lancaster Laboratories
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax 717-656-2693

See reverse side for explanation of symbols and abbreviations.



LLI Sample No. **ww 3082842**

Collected: 1/27/99 at 14:50 by KD

Submitted: 2/ 1/99 Reported: 2/ 6/99

Discard: 3/ 9/99

MW-2 Grab Water Sample

LOC# 99-105 PRCA# 980044 PHC# 1L

MOBIL: 6301 San Pablo Ave., Oakland, CA

Account No: 09728
 Mobil Business Resources Corp.
 2063 Main Street
 Suite 501
 Oakley CA 94561

P.O. 99-105

Rel.

SAMPLE RPT LIM	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LIMITS LOW	LCS LIMITS HIGH
----------------	--------------	-------	---------	----	-----	--------	-----	---------	---------	----------------	-----------------

SURROGATE SUMMARY

	TRIAL ID	SURROGATE	RECOVERY %	SURROGATE LIMITS	
				LOW	HIGH
8209 BTEX, MTBE (8020)		TFT	88	77	125
8268 8015 Mod. for Gasoline		TFT	84	61	133

LABORATORY CHRONICLE

CAT NO	ANALYSIS NAME	METHOD	TRIAL ID	ANALYSIS DATE AND TIME	ANALYST
8209	BTEX, MTBE (8020)	SW-846 8020A	1	02/03/99 1925	Courtney M. Kutchi
8268	8015 Mod. for Gasoline	CA LUFT Gasoline Method	1	02/03/99 1925	Courtney M. Kutchi

State of California Lab Certification No. 2116

#=Laboratory Method Detection Limit exceeded State Regulatory Limit
 N.D.=Not detected at or above the Reporting Limit

Questions? Contact your Client Services Representative
 Jedidiah E. Turzi at (717) 656-2300

Donald J. Blady for

Respectfully Submitted
 Thomas C. Lehman, Ph.D.
 Group Leader, Petrol. Analysis



Lancaster Laboratories
 2425 New Holland Pike
 PO Box 12425
 Lancaster, PA 17505-2425
 717-656-2300 Fax: 717-656-2631



LLI Sample No. WW 3082843

Collected: 1/27/99 at 15:20 by KD

Submitted: 2/ 1/99 Reported: 2/ 6/99
Discard: 3/ 9/99

MW-3 Grab Water Sample
LOC# 99-105 PRCA# 980044 PHC# 1L
MOBIL: 6301 San Pablo Ave., Oakland, CA

Account No: 09728
Mobil Business Resources Corp.
2063 Main Street
Suite 501
Oakley CA 94561

P.O. 99-105
Rel:

CAT NO.	ANALYSIS NAME	AS RECEIVED		
		RESULTS	REPORTING LIMIT	UNITS
8209	BTEX, MTBE (8020)			
0776	Benzene	74.	1.	ug/l
0777	Toluene	4.	1.	ug/l
0778	Ethylbenzene	94.	1.	ug/l
0779	Total Xylenes	39.	3.	ug/l
0780	Methyl tert-Butyl Ether	13.	10.	ug/l
8268	8015 Mod. for Gasoline			
5554	TPH-GRO (CA LUFT)	3,100.	100.	ug/l

QUALITY CONTROL REPORT

SAMPLE RPT LIM	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LIMITS LOW	LCS LIMITS HIGH
8209 BTEX, MTBE (8020)		Batch: 99033A56									
0776	Benzene										
1.	ug/l	N.D.		104	105	0	101			81	124
0777	Toluene										
1.	ug/l	N.D.		103	101	2	98			84	119
0778	Ethylbenzene										
1.	ug/l	N.D.		106	105	2	100			82	118
0779	Total Xylenes										
3.	ug/l	N.D.		108	107	1	104			81	120
0780	Methyl tert-Butyl Ether										
10.	ug/l	N.D.		91	92	1	100			79	125
8268 8015 Mod. for Gasoline		Batch: 99033A56									
5554	TPH-GRO (CA LUFT)										
100.	ug/l	N.D.		111	110	1	104			72	124

#=Laboratory Method Detection Limit exceeded State Regulatory Limit
N.D.=Not detected at or above the Reporting Limit

1 COPY TO Alton Geoscience

ATTN: Kathleen Racke

Questions? Contact your Client Services Representative
Jedidiah E. Turzi at (717) 656-2300
03:45:15 D 0001 3 134750 650846
232 0.00 00004500 ASR000

Donald J. Shultz Jr.
for

Respectfully Submitted
Thomas C. Lehman, Ph.D.
Group Leader, Petrol. Analysis



Lancaster Laboratories
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
TEL: 717-656-2300 Fax: 717-656-2631

See reverse side for explanation of symbols and abbreviations



Lancaster Laboratories

A division of Thermo Analytical Inc.

LLI Sample No. **WW 3082843**

Collected: 1/27/99 at 15:20 by KD

Submitted: 2/ 1/99 Reported: 2/ 6/99

Discard: 3/ 9/99

MW-3 Grab Water Sample

LOC# 99-105 PRCA# 980044 PHC# 1L

MOBIL: 6301 San Pablo Ave., Oakland, CA

Account No: 09728
Mobil Business Resources Corp.
2063 Main Street
Suite 501
Oakley CA 94561

P.O. 99-105

Rel.

SAMPLE RPT LIM	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LIMITS LOW	LCS LIMITS HIGH
----------------	--------------	-------	---------	----	-----	--------	-----	---------	---------	----------------	-----------------

SURROGATE SUMMARY

TRIAL ID	SURROGATE	RECOVERY %	SURROGATE LIMITS	
			LOW	HIGH
8209 BTEX, MTBE (8020)	TFT	95	77	125
8268 8015 Mod. for Gasoline	TFT	107	61	133

LABORATORY CHRONICLE

CAT NO	ANALYSIS NAME	METHOD	TRIAL ID	ANALYSIS DATE AND TIME	ANALYST
8209	BTEX, MTBE (8020)	SW-846 8020A	1	02/04/99 0110	Courtney M. Kutchi
8268	8015 Mod. for Gasoline	CA LUFT Gasoline Method	1	02/04/99 0110	Courtney M. Kutchi

State of California Lab Certification No. 2116

#Laboratory Method Detection Limit exceeded State Regulatory Limit
N.D.=Not detected at or above the Reporting Limit

Questions? Contact your Client Services Representative
Jedidiah E. Turzi at (717) 656-2300

Donald J. Shady Jr.

Respectfully Submitted
Thomas C. Lehman, Ph.D.
Group Leader, Petrol. Analysis



Lancaster Laboratories
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2631

See reverse side for explanation of symbols and abbreviations.

2216 Rev. 8/4/97

Mobil Western Region Analysis Request/Chain of Custody



For Lancaster Laboratories use only

Acct. #: 9728 Sample #: 3082841-43

Please print.

SCR#: _____

Mobil Consultant/Office: <u>ALTON GEO SCIENCE</u>				Matrix		Analyses Requested										List total number of containers in the box under each analysis.							
Consultant Prj. Mgr: <u>KATY RAKE</u> Prj. #: <u>41-0173-60</u>						<input type="checkbox"/> Potable <input type="checkbox"/> NPDES	<input type="checkbox"/> Soil	<input type="checkbox"/> Water	<input type="checkbox"/> Oil	<input type="checkbox"/> Air	<input type="checkbox"/> BTEX 8020 + 8021 + MTBE	<input type="checkbox"/> TPH 8015 MOD GRO	<input type="checkbox"/> DRO	<input type="checkbox"/> NWTPH Gx	<input type="checkbox"/> Dx			<input type="checkbox"/> Title 22 Metals	<input type="checkbox"/> Lead 7420	<input type="checkbox"/> 7421			
Consultant Phone #: <u>(975) 460 9150</u> Fax #: <u>(975) 460 9260</u>				<input type="checkbox"/> Composite											Remarks								
Location Code #: <u>99-105</u>																							
PRCA/AFE/Release #: <u>980044</u> Phase Code: <u>1L</u>																							
Site Address: <u>6301 San Pablo Ave, Oakland</u> State: <u>CA</u>																							
Sampler: <u>Kevin Dolan</u>																							
Mobil Engineer: <u>Cherine Fenton</u>																							
Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water	Oil	Air	BTEX 8020 + 8021 + MTBE	TPH 8015 MOD GRO	DRO	NWTPH Gx	Dx	Title 22 Metals	Lead 7420	7421							
<u>99-105</u>	<u>MW-1</u>	<u>1/27</u>	<u>X</u>			<u>X</u>			<u>X</u>	<u>X</u>								<u>30</u>					
<u>↓</u>	<u>MW-2</u>	<u>↓</u>	<u>↓</u>			<u>↓</u>			<u>↓</u>	<u>↓</u>								<u>↓</u>					
<u>↓</u>	<u>MW-3</u>	<u>↓</u>	<u>↓</u>			<u>↓</u>			<u>↓</u>	<u>↓</u>													
<u>1 Temperature bottle</u>																							
Turnaround Time Requested (TAT) (please circle):				Relinquished by: <u>Ken Dolan</u>				Date: <u>1/29</u>		Time: <u>7:30 AM</u>		Received by:				Date: _____		Time: _____					
<input checked="" type="radio"/> MOBIL STD. TAT <input type="radio"/> 72 hour <input type="radio"/> 48 hour <input type="radio"/> 24 hour <input type="radio"/> other _____ day				Relinquished by: <u>Shipped FedEx w/ Custody Seals</u>				Date: _____		Time: _____		Received by:				Date: _____		Time: _____					
Data Package Options (please circle if requested)				Relinquished by: _____				Date: _____		Time: _____		Received by:				Date: _____		Time: _____					
QCSummary GLP Type I (Tier I) Other Type III (NJ Red. Del.) Disk Type IV (CLP) Type VI (Raw Data) WMP				SDG Complete? Yes <input type="radio"/> No <input checked="" type="radio"/> Site-specific QC required? Yes <input checked="" type="radio"/> No <input type="radio"/> If yes, indicate QC sample and submit triplicate volume. Internal Chain of Custody required? Yes <input checked="" type="radio"/> No <input type="radio"/>				Relinquished by Commercial Carrier: _____				Date: _____		Time: _____		Received by: <u>Pass 305</u>				Date: <u>2/1/99</u>		Time: <u>0840</u>	
				Temperature Upon Receipt: <u>3.0</u> °C								Custody Seals Intact? Yes <input checked="" type="radio"/> No <input type="radio"/> N/A <input type="radio"/>											

Monitoring Well Purge Water Transport Form

Generator Information

Profile #1297-1335-PS

Name: Mobil Oil Corporation
 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 for Mobil Oil George Montross
 as described is non-hazardous. George Montross for Mobil 1-29-99
 (Date)

Site Information

	Date Generated	Site Number	Amount Generated	Sampler's Initials		Date Generated	Site Number	Amount Generated	Sampler's Initials
T-1	1-12-99	99-319	115	SL	16				
T-2	1-26-99	99-NBP	95	GM/KD	17				
T-3	1-27-99	99-272	180	KD	18				
T-4	1-27-99	99-105	5	KD	19				
T-5	1-29-99	04-394	250	GM/KD	20				
6					21				
7					22				
8					23				
9					24				
10					25				
11					26				
12					27				
13					28				
14					29				
15					30				
Total:								715	

Transporter Information

Name: Clearwater Environmental Management
 Address: P.O. Box 7420
 City, State, Zip: Fremont, CA 94555 Phone: (800) 499-3676
 Truck ID No.: _____
 _____ (Typed or printed full name & signature) _____ (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.: 1297-1335-PS
 _____ (Typed or printed full name & signature) _____ (Date)

Source of this water?

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

2. Page 1 of 1

3. Document Number
NH- No 46251

4. Generator's Name and Mailing Address
Mobil Oil Corporation
3700 West 190th Street TPT 2
Torrence CA 90509-2929
Generator's Phone (310) 212-1877

199-057-PS

5. Transporter Company Name
CLEARWATER ENVIRONMENTAL

6. US EPA ID Number
CAR000007013

7. Transporter Phone
(510) 797-8511

8. Designated Facility Name and Site Address
McKittick Waste Treatment Site
ALVISO INDEPENDENT OIL 56533 Hwy 58 West
5002 ARCHER STREET McKittick CA
ALVISO, CA 95002

9. US EPA ID Number
CAD980636831
CAL000101745

10. Facility's Phone
(805) 762-7366
(510) 797-8511

11. Waste Shipping Name and Description
a. Non-Hazardous waste, liquid
b.

12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol

15. Special Handling Instructions and Additional Information
Wear PPE
Emergency Contact
(510) 797-8511
Attn: Kirk Hayward

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 Katen

Signature
Matt Katen
Month Day Year
1 29 97

17. Transporter Acknowledgement of Receipt of Materials
Printed/Typed Name
Chris Ricken

Signature
Chris Ricken
Month Day Year
1 29 99

18. Discrepancy Indication Space
DHG TONS

19. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 18.
Printed/Typed Name
MARY DePree
Signature
Mary DePree
Month Day Year
3 19 99

GENERATOR
TRANSPORTER
FACILITY