



June 29, 2001

Project No. 41-0123

Mr. Barney Chan
Alameda County Health Services
1131 Harbor Bay Parkway
Alameda, California 94502-6700

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

1683
• needs to monitor at least once more
& decide if enough data to close? ?
or need to elaborate please.
JUL 03 2001

Dear Mr. Chan:

Please find enclosed the Second Quarter 2001 Progress Report for the subject location prepared by TRC for ExxonMobil Oil Company. The contents of this report include:

Quarterly Progress Report Summary Sheet

- Exhibit 1: Sampling Schedule
- Exhibit 2: Summary of Groundwater Levels and Chemical Analysis
- Exhibit 3: Figures 1 through 3 (Vicinity Map, Groundwater Elevations, Dissolved-Phase Hydrocarbon 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 me at (925) 688-2473. You may also call Mr. Gene Ortega, ExxonMobil Senior Engineer, at (925) 246-8747.

Sincerely,

Jonathan Scheiner
Associate

cc: Mr. Gene Ortega, ExxonMobil Refining and Supply Company, Global Remediation—U.S. Retail Projects
Mr. Chuck Headlee, Regional Water Quality Control Board, San Francisco Bay Region
Ms. Connie Lamb, Property Owner

TRC

Quarterly Progress Report Summary Sheet
Second Quarter 2001

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:	10-Apr-01
Number of groundwater wells on-site:	3	Groundwater wells monitored:	3
Number of groundwater wells off-site:	0	Groundwater wells sampled:	3
		Groundwater wells with free product:	0
Phase of Investigation: Vadose Zone:	N/A	Groundwater phase:	Monitor & Sample
SITE HYDROGEOLOGY:			
Approximate depth to ground water below ground surface:			7.83 ft
Approximate elevation of potentiometric surface above Mean Sea Level:			31.44 ft
Average Increase/Decrease in ground water elevations since last sampling episode:		Increase:	1.51 ft
Approximate flow direction and hydraulic gradient:		West at:	0.18 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:	0 gals
Number of wells with concentrations at or above MCL:	2	Volume of Free Product Recovered To Date:	2.65 gals
		Range in Concentrations:	Benzene: 0.28 to 280 ppb TPH-G: 23 to 8,000 ppb
Nature of contamination:	Gasoline		
ADDITIONAL INFORMATION:			
Purged water was transferred to McKittrick Waste Water Treatment Facility.			

Prepared by: Jonathan Scheiner

Jonathan Scheiner
Associate

Project No: 41-0123

Approved by: Tracy L. Walker
California RG #6808

Tracy L. Walker, RG
Associate

Submittal Date: 6/29/01

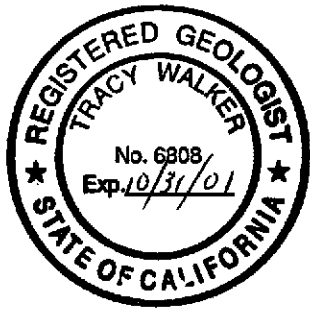


EXHIBIT 1
SAMPLING SCHEDULE

MONITORING WELL SAMPLING SCHEDULE 2001
Former Mobil Station 99-105

Well Number	First Quarter	Second Quarter	Third Quarter	Fourth Quarter
MW-2	X	X	X	X
MW-3	X	X	X	X
MW-5	X	X	X	X

NOTES: X = well scheduled for sampling

EXHIBIT 2

SUMMARY OF GROUNDWATER LEVELS AND CHEMICAL ANALYSIS

Summary of Groundwater Levels and Chemical Analysis

Former Mobil Station 99-105

Well ID	Date	Top of Casing	Depth to	Groundwater	Product							Ethyl-	Total	MTBE	MTBE	TOG	Lead	Dissolved
		Elevation (feet)	Water (feet)	Elevation (feet)	Thickness (feet)	TPH-G (ppb)	TPH-D (ppb)	Benzene (ppb)	Toluene (ppb)	benzene (ppb)	Xylenes (ppb)	8020 (ppb)	8240 or 8260 (ppb)	(ppb)	(ppb)	(ppb)	(ppb)	Oxygen (mg/L)
TW-1	01/04/96	—	6.00	—	0.00	ND	700	ND	ND	ND	ND	—	—	—	—	—	—	—
VWV-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	—	—	—	—	—	—	—
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	—	—	—	—	—	—	—
MW-1†	01/23/98	32.79	3.95	28.84	0.00	ND	33	ND	ND	ND	ND	—	—	—	—	—	—	—
MW-1	04/22/98	32.79	5.33	27.46	0.00	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	—	—	—	—	—	—	4.34
MW-1	10/20/98	32.79	10.41	22.38	0.00	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	—	—	—	—	—	—	5.25
MW-1	Destroyed during construction activities in April 1999																	
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	—	—	—	—	—	—	—
MW-2	04/22/97	32.80	9.61	23.19	0.00	260	430	2.7	ND	2.5	ND	—	—	—	—	—	—	—
MW-2†	07/29/97	32.80	10.53	22.27	0.00	320	150***	28	1.2	10	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	—	—	—	—	—	—	—
MW-2	04/22/98	32.80	5.36	27.44	0.00	180	540	1.2	0.3	0.4	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	—	—	—	—	—	—	1.04
MW-2	10/20/98	32.80	10.75	22.05	0.00	50	—	0.8	0.7	ND	0.8	—	—	—	—	—	—	1.12
MW-2	01/27/99	32.80	5.53	27.27	0.00	ND	—	0.6	ND	ND	ND	—	—	—	—	—	—	0.99
MW-2	07/27/99	32.80	6.20	26.60	0.00	ND	—	ND	0.6	ND	ND	—	—	—	—	—	—	0.30
MW-2	12/08/99	32.80	9.98	22.82	0.00	ND	—	1.2	0.43	ND	ND	—	—	—	—	—	—	1.83
MW-2	Sep-00	39.34	Well resurveyed after repair by Alisto Engineering															
MW-2	10/25/00	39.34	11.30	28.04	0.00	<20	—	2.0	0.59	0.46	1.3	<0.30	—	—	—	—	—	0.35
MW-2	01/15/01	39.34	9.41	29.93	0.00	<20	—	<0.20	0.46	<0.20	<0.60	<0.30	—	—	—	—	—	—
MW-2	04/10/01	39.34	6.16	33.18	0.00	23	—	0.28	<0.20	<0.20	<0.60	<1.0	—	—	—	—	—	1.72
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	—	—	—	—	—	—	—

Summary of Groundwater Levels and Chemical Analysis

Former Mobil Station 99-105

Well ID	Date	Top of Casing	Depth to	Groundwater	Product						Ethyl-	Total	MTBE	MTBE	TOG	Lead	Dissolved		
		Elevation (feet)	Water (feet)	Elevation (feet)	Thickness (feet)	TPH-G (ppb)	TPH-D (ppb)	Benzene (ppb)	Toluene (ppb)	benzene (ppb)	Xylenes (ppb)	8020 (ppb)	8240 or 8260 (ppb)	(ppb)	(ppb)	(ppb)	(ppb)	Oxygen (mg/L)	
MW-3	08/13/96	32.80	11.18	21.62	0.00	5,000	2,300**	430	ND	200	360	—	—	—	—	—	—		
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-3	07/27/99	32.80	7.27	25.53	0.00	8,900	—	170	21	360	440	ND	—	—	—	—	0.33		
MW-3	12/08/99	32.80	10.63	22.17	0.00	4,800	—	94	13	170	210	ND	—	—	—	—	1.12		
MW-3	Sep-00	39.27	Well resurveyed after repair by Alisto Engineering																
MW-3	10/25/00	39.27	12.08	27.19	0.00	3,800	—	63	2.9	100	65	<50	<5	—	—	—	0.96		
MW-3	01/15/01	39.27	10.29	28.98	0.00	4,300	—	76	9.5	47	76	<5.0	—	—	—	—	0.60		
MW-3	04/10/01	39.27	10.11	29.16	0.00	2,700	—	55	4.4	100	37	<20	—	—	—	—	1.63		
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	—	—	—	—	—	—	—	—	—	—	—	—		
MW-4	Destroyed during construction activities in April 1999																		
MW-5	Sep-00	39.18	Well surveyed after installation by Alisto Engineering																
MW-5	10/25/00	39.18	10.92	28.26	0.00	2,500	—	79	3.8	66	<20	<20	—	—	—	—	0.50		
MW-5	01/15/01	39.18	8.32	30.86	0.00	3,900	—	120	7.9	280	52	<5.0	—	—	—	—	0.69		
MW-5	04/10/01	39.18	7.21	31.97	0.00	8,000	—	280	4.4	410	100	<50	<5	—	—	—	1.90		
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	—	—	—	—	—		

Summary of 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)
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	—	—	—	—
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	—	—	—	—
HA-1	01/25/00	—	—	—	—	ND<500	—	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<5.0	—	—	—	—

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
 ** = diesel and unidentified hydrocarbons <C15>C25
 *** = diesel and unidentified hydrocarbons >C20
 **** = unidentified hydrocarbons >C18

† = well sampled using no-purge method



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



SCALE 1 : 24,000



QUADRANGLE LOCATION

SOURCE:

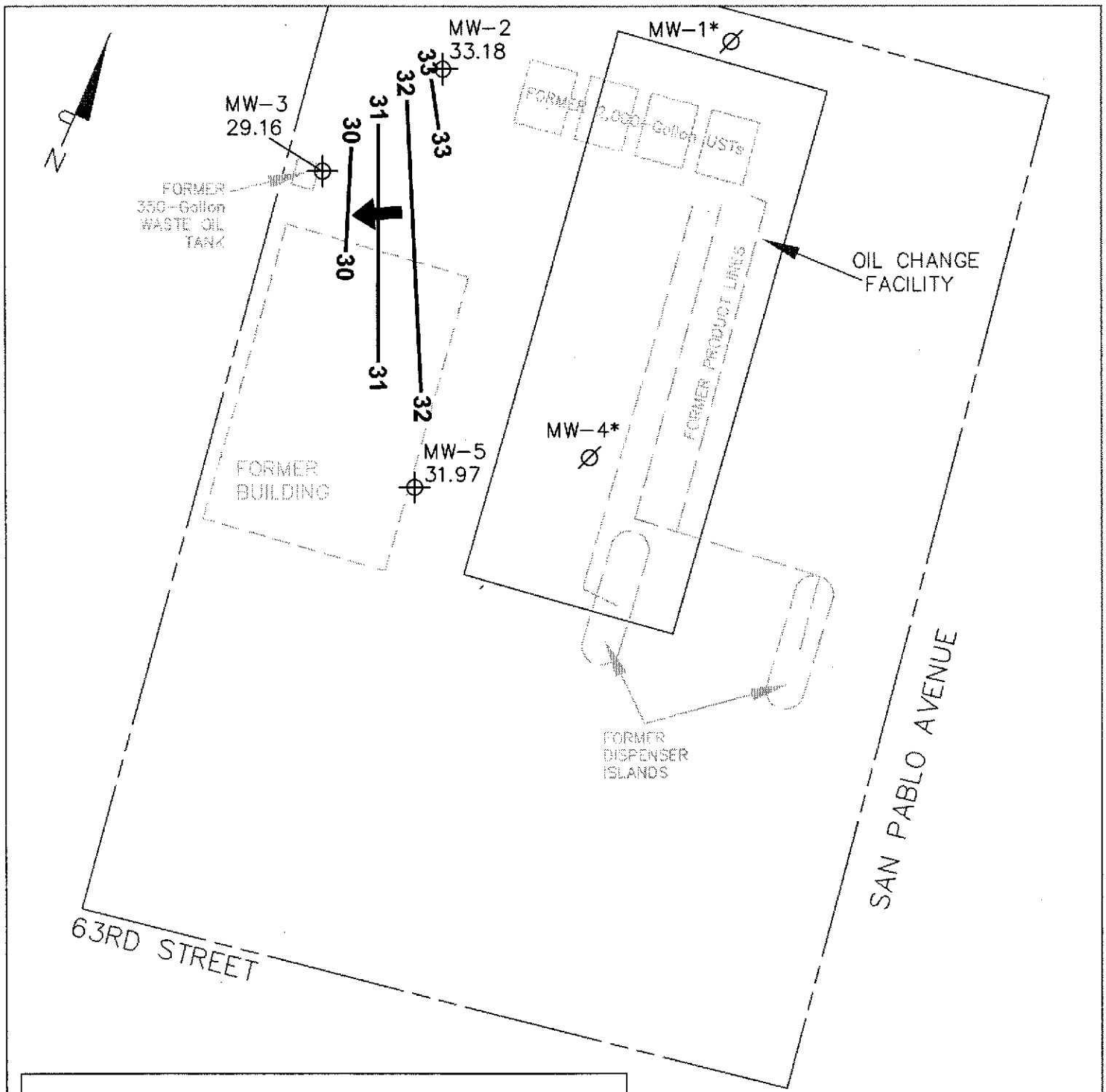
United States Geological Survey
7.5 Minute Topographic Maps:
Oakland West Quadrangle

VICINITY MAP

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

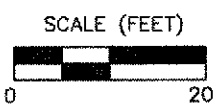
TRC

FIGURE 1



LEGEND

- MW-2 Monitoring Well Showing Groundwater Elevation 33.18 (Feet Relative to Mean Sea Level - NGVD-1929)
- Destroyed Well
- 31** — Groundwater Elevation Contour Line
- General Direction of Groundwater Gradient

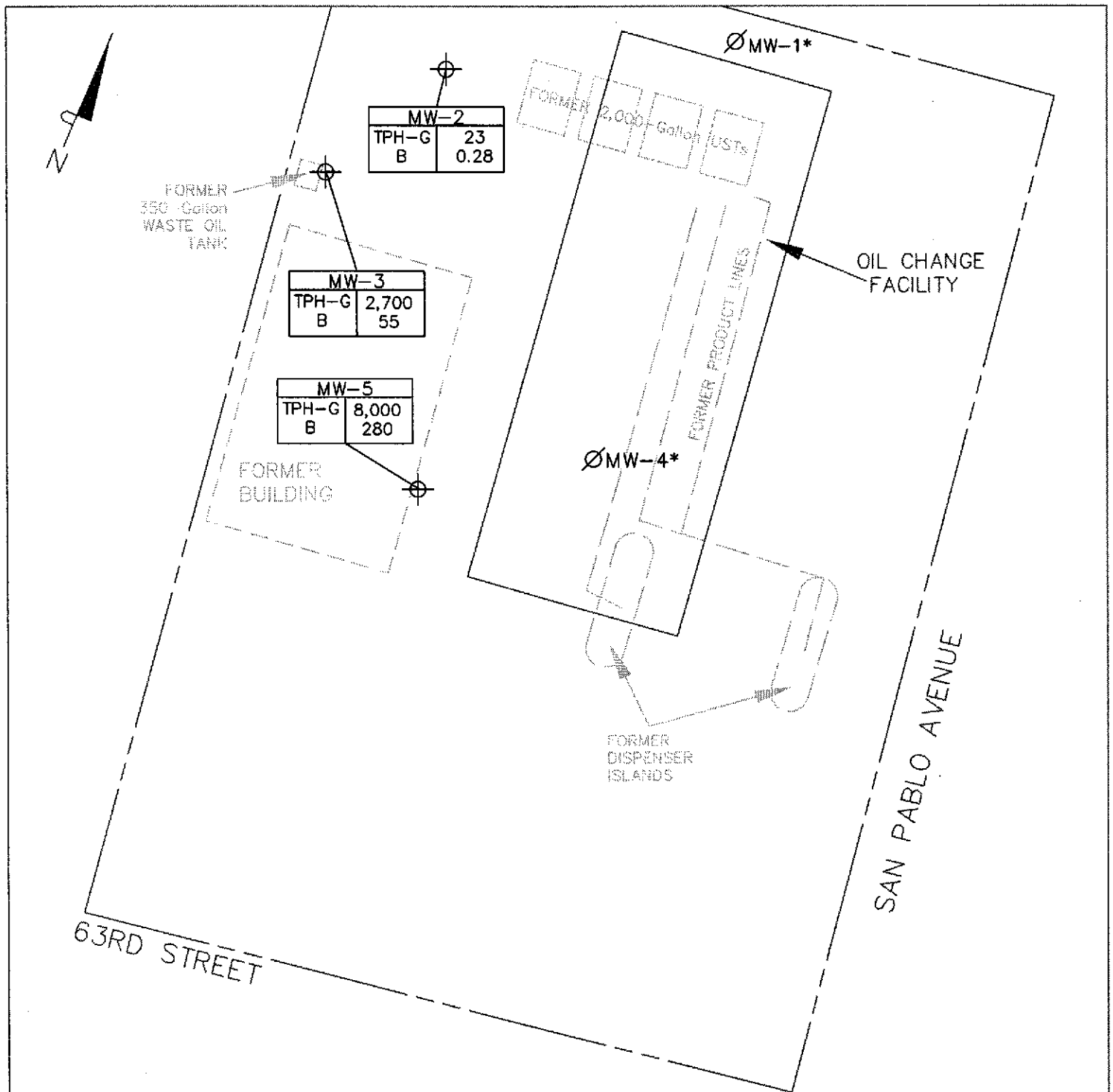


**GROUNDWATER ELEVATION
CONTOUR MAP**
April 10, 2001

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

TRC **FIGURE 2**

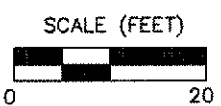
NOTES: Contour lines are interpretive based on fluid-level measurements taken on April 10, 2001. Contour interval = 1 foot. * = well destroyed during construction activities in April 1999.
Source: ALISTO Engineering



LEGEND

MW-2	
TPH-G	
B	

Monitoring Well Showing Dissolved-Phase Hydrocarbon Concentrations (ppb)



NOTES:
 Hydrocarbon concentrations are based on results of laboratory samples collected April 10, 2001. TPH-G = total petroleum hydrocarbons as gasoline; B = benzene; ppb = parts per billion; < = not detected at or above the stated method detection limit. * = well destroyed during construction activities in April 1999.

DISSOLVED-PHASE HYDROCARBON CONCENTRATIONS
April 10, 2001
 Former Mobil Station 99-105
 6301 San Pablo Avenue
 Oakland, California

Source: ALISTO Engineering

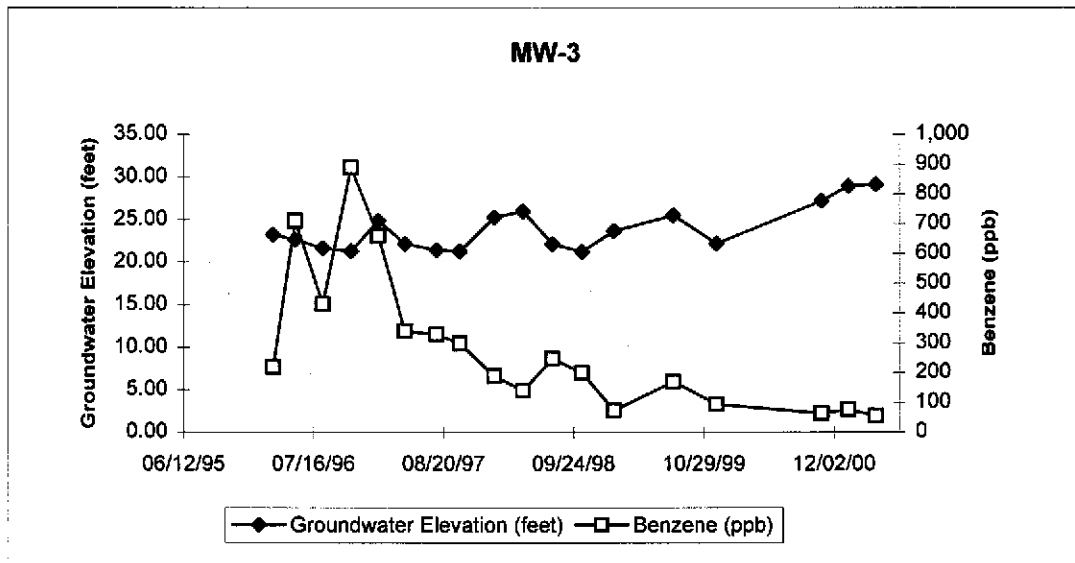
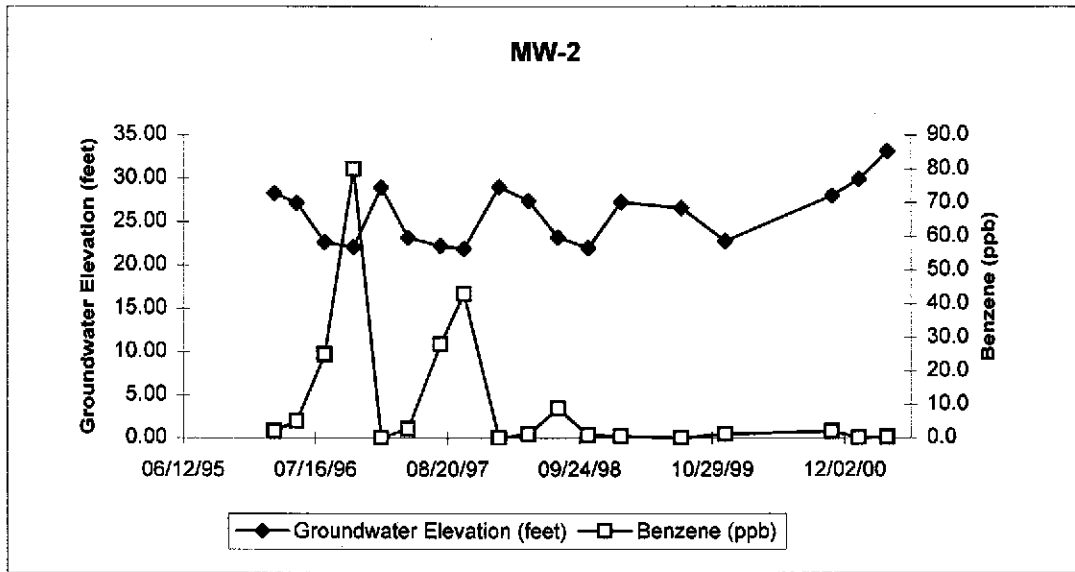
TRC

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 benchmark.

GROUNDWATER SAMPLING

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

NON-PURGE METHOD:

TRC 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.: 41-0123-75
Station No.: 99-105

Alton Personnel: C. Brown
Date: 04/10/01

Well Number	Screen Interval	Depth to Water	Depth to Product	Free Product Thickness (ft)	Free Product Recovery	Total Depth	Dissolved O ₂ (mg/L)	Comments
MW-2		6.16				18.96	1.72	4"
MW-3		10.11				20.08	1.63	4"
MW-5		7.21				20.67	1.88	4"

TRC/Alton Geoscience, Northern California Operations
GROUND WATER SAMPLING FIELD NOTES

Site: Mobil 97-105 Project No.: 41-0123-75 Sampled By: C. Brown Date: 04-10-01

Well No. MW-2 Purge Method: 2" sub
 Total Depth (feet) 18.67 Depth to Product (feet): _____
 Depth to Water (feet): 6.16 Product Recovered (gallons): _____
 Water Column (feet): 12.51 Casing Diameter (Inches): 4"
 80% Recharge Depth (feet): 8.66 1 Well Volume (gallons): 8.26

Well No. MW-3 Purge Method: 2" sub
 Total Depth (feet) 20.08 Depth to Product (feet): _____
 Depth to Water (feet): 10.11 Product Recovered (gallons): _____
 Water Column (feet): 9.97 Casing Diameter (Inches): 4"
 80% Recharge Depth (feet): _____ 1 Well Volume (gallons): 6.58

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F., C)	pH
9:22				0.51	60.9	7.68
				0.57	61.7	7.10
	9:27			0.35	62.0	6.80
Total Purged			<u>25.0</u>	Time Sampled		<u>9:50</u>
Comments: <u>Ran dry @ 18.0 gpd</u>						
Turbidity=						

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F., C)	pH
10:02				0.84	63.5	6.50
				0.98	63.2	6.41
	10:06			0.96	63.0	6.27
Total Purged			<u>20.0</u>	Time Sampled		<u>10:20</u>
Comments: <u>Ran dry @ 15 gpd</u>						
Turbidity=						

Well No. MW-5 Purge Method: 2" sub
 Total Depth (feet) 20.67 Depth to Product (feet): _____
 Depth to Water (feet): 7.21 Product Recovered (gallons): _____
 Water Column (feet): 13.46 Casing Diameter (Inches): 4"
 80% Recharge Depth (feet): 9.90 1 Well Volume (gallons): 8.88

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
10:40				1.00	64.5	6.40
				1.02	63.9	6.38
	10:45			1.02	63.6	6.38
Total Purged			<u>27.0</u>	Time Sampled		<u>11:40</u>
Comments: <u>Ran dry @ 200 gpd</u>						
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=						

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=						

MOBIL UNIT COST FIELD FORM
GROUND WATER MONITORING AND SAMPLING

PROJECT NUMBER 41-0123-75
STATION NUMBER 99-105
WEATHER Sunny

ALTON PERSONNEL C. Brown
DATE 04/10/01
DAY Tuesday

HOURS
Hours spent travelling to and from site (return): 2.0
Hours spent on site: 4
Number of mob/demobs to and from site: 1

MILEAGE
Roundtrip mileage from Alton's office to site (1 man): 60
Roundtrip mileage from Alton's office to site (2 man): -

WELLS MONITORED AND SAMPLED
Number of wells monitored but not sampled: 0
Number of wells monitored and sampled (depth to water < 25 feet): 3
Number of wells monitored and sampled (depth to water > 25): 0
Number of wells monitored and sampled using No Purge Method: 0

DRUM INVENTORY
Number of drums of ground water disposed into onsite ARS: 0
Number of gallons of groundwater purged and transported: 53

TRAFFIC CONTROL
Number of days for major street traffic control: -
Number of days for non-major street traffic control: -
Cost for Caltrans lane closure: -

FREE PRODUCT PUMP-OUTS
Free product pump-out discipline travel (cap of 200 miles): -
Number of free product pump-out equipment mob/demobs: -
Number of wells (manual pump-outs): -

FIELD NOTES:

Arrived on site @ 9:00 am
Monitored MW- 2, 3 & 5 For D.T.W. & P.O.
Using 3x purge method sampled all wells
after 80% recharge occurred.
Left site @ 1 pm

EXHIBIT 7

ANALYTICAL LABORATORY DATA SHEETS



ANALYTICAL RESULTS

Prepared for:

ExxonMobil
2300 Clayton Road
Suite 1250
Concord CA 94520

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

SAMPLE GROUP

The sample group for this submittal is 758940. Samples arrived at the laboratory on Tuesday, April 17, 2001. The PO# for this group is 4500446506-0509 and the release number is 00260.

Client Description

MW-2 Grab Water Sample
MW-3 Grab Water Sample
MW-5 Grab Water Sample

Lancaster Labs Number

3592273
3592274
3592275

METHODOLOGY

The specific methodologies used in obtaining the enclosed analytical results are indicated on the laboratory chronicles.

1 COPY TO

TRC/Alton

Attn: Jonathan Scheiner

Questions? Contact your Client Services Representative
Teresa M. Lis at (717) 656-2300.

Respectfully Submitted,

Dale R. Rhodes
Sr. Chemist/Coordinator



Lancaster Laboratories Sample No. WW 3592273

Collected: 04/10/2001 09:50 by CB

Account Number: 10589

Submitted: 04/17/2001 09:40

ExxonMobil

Reported: 05/01/01 at 09:43 AM

2300 Clayton Road

Discard: 6/1/01

Suite 1250

MW-2 Grab Water Sample

Concord CA 94520

LOC# 99-105 WBS# 56

MOBIL: 6301 San Pablo Ave - Oakland, CA

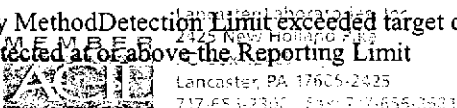
CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
08209	BTEX, MTBE (8020)					
00776	Benzene	71-43-2	0.28	0.20	ug/l	1
00777	Toluene	108-88-3	N.D.	0.20	ug/l	1
00778	Ethylbenzene	100-41-4	N.D.	0.20	ug/l	1
00779	Total Xylenes	1330-20-7	N.D.	0.60	ug/l	1
00780	Methyl tert-Butyl Ether	1634-04-4	N.D.	1.0	ug/l	1
Due to the presence of an interferent near its retention time, the normal reporting limit was not attained for MTBE.						
The presence or concentration of MTBE cannot be determined below the reporting limit due to the presence of this interferent.						
08268	TPH-GRO (CA LUFT)					
05554	TPH-GRO (CA LUFT)	n.a.	0.023	0.020	mg/l	1
A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.						

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
08209	BTEX, MTBE (8020)	SW-846 8020A/5030A	1	04/19/2001 06:57	Anastasia C. Papadopoulos	1
08268	TPH-GRO (CA LUFT)	CA LUFT Gasoline Method	1	04/19/2001 06:57	Anastasia C. Papadopoulos	1

#=Laboratory Method Detection Limit exceeded target detection limit
 N.D.=Not detected at or above the Reporting Limit





Lancaster Laboratories Sample No. WW 3592275

Collected: 04/10/2001 11:40 by CB

Account Number: 10589

Submitted: 04/17/2001 09:40

ExxonMobil

Reported: 05/01/01 at 09:43 AM

2300 Clayton Road

Discard: 6/1/01

Suite 1250

MW-5 Grab Water Sample

Concord CA 94520

LOC# 99-105 WBS# 56

MOBIL: 6301 San Pablo Ave - Oakland, CA

07582	PPL + Xylene (total) by 8260	SW-846 8260B/5030B	1	04/23/2001 23:41	Patricia L. Dehoff	1
-------	---------------------------------	--------------------	---	------------------	--------------------	---

#=Laboratory Method Detection Limit exceeded target detection limit
 N.D.=Not detected or Above the Reporting Limit



Lancaster Laboratories Inc.
 2425 New Holland Pike
 Lancaster, PA 17605-2425
 717-656-2300 Fax: 717-656-2681



Lancaster Laboratories

Where quality is a science.

Quality Control Summary

Client Name: ExxonMobil
 Reported: 05/01/01 at 09:43 AM

Group Number: 758940

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 01108A66 Sample number(s): 3592273-3592275								
Benzene	N.D.	.2	ug/l	102	105	80-118	2	30
Toluene	N.D.	.2	ug/l	101	103	82-119	2	30
Ethylbenzene	N.D.	.2	ug/l	101	103	81-119	2	30
Total Xylenes	N.D.	.6	ug/l	100	102	82-120	2	30
Methyl tert-Butyl Ether	N.D.	.3	ug/l	100	101	79-127	1	30
TPH-GRO (CA LUFT)	N.D.	.02	mg/l	111	114	63-130	2	30
Batch number: P011131AA Sample number(s): 3592275								
Methyl t-butyl ether	N.D.	5.	ug/l	108		71-122		

Sample Matrix Quality Control

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 01108A66 Sample number(s): 3592273-3592275									
Benzene	103	105	66-140	2	30				
Toluene	101	104	72-138	2	30				
Ethylbenzene	102	105	71-138	2	30				
Total Xylenes	101	103	69-140	2	30				
Methyl tert-Butyl Ether	103	95	60-145	7	30				
TPH-GRO (CA LUFT)	109		74-132						
Batch number: P011131AA Sample number(s): 3592275									
Methyl t-butyl ether	100	111	63-133	10	30				

Surrogate Quality Control

Analysis Name: BTEX, MTBE (8020)
 Batch number: 01108A66

	Trifluorotoluene-P	Trifluorotoluene-F
3592273	95	85
3592274	99	100
3592275	90	95
Blank	95	87
LCS	95	100
LCSD	95	98
MS	95	98
MSD	96	
Limits:	69-134	57-141

Analysis Name: PPL + Xylene (total) by 8260

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.





Lancaster Laboratories

Where quality is a science.

Quality Control Summary

Client Name: ExxonMobil
Reported: 05/01/01 at 09:43 AM

Group Number: 758940

Surrogate Quality Control

Batch number: P011131AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
3592275	95	93	102	103
Blank	100	97	102	92
LCS	97	100	109	104
MS	99	96	109	102
MSD	98	101	106	100
Limits:	86-118	80-120	88-110	86-115

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.



Lancaster Laboratories, Inc.
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-556-2300 Fax: 717-556-2681



Lancaster Laboratories Sample No. WW 3592274

Collected: 04/10/2001 10:20 by CB

Account Number: 10589

Submitted: 04/17/2001 09:40

ExxonMobil

Reported: 05/01/01 at 09:43 AM

2300 Clayton Road

Discard: 6/1/01

Suite 1250

MW-3 Grab Water Sample

Concord CA 94520

LOC# 99-105 WBS# 56

MOBIL: 6301 San Pablo Ave - Oakland, CA

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
08209	BTEX, MTBE (8020)					
00776	Benzene	71-43-2	55.	1.0	ug/l	5
00777	Toluene	108-88-3	4.4	1.0	ug/l	5
00778	Ethylbenzene	100-41-4	100.	1.0	ug/l	5
00779	Total Xylenes	1330-20-7	37.	3.0	ug/l	5
00780	Methyl tert-Butyl Ether	1634-04-4	N.D.	20.	ug/l	5
Due to the presence of an interferent near its retention time, the normal reporting limit was not attained for MTBE. The presence or concentration of MTBE cannot be determined below the reporting limit due to the presence of this interferent.						
08268	TPH-GRO (CA LUFT)					
05554	TPH-GRO (CA LUFT)	n.a.	2.7	0.10	mg/l	5
A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.						

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis		Analyst	Dilution Factor
				Date and Time			
08209	BTEX, MTBE (8020)	SW-846 8020A/5030A	1	04/19/2001 09:39		Anastasia C. Papadoplos	5
08268	TPH-GRO (CA LUFT)	CA LUFT Gasoline Method	1	04/19/2001 09:39		Anastasia C. Papadoplos	5

#=Laboratory Method Detection Limit exceeded target detection limit
 N.D.=Not detected at or above the Reporting Limit



Lancaster, PA 17605-2425
 717-656-2300 Fax: 717-656-2311



Lancaster Laboratories Sample No. WW 3592275

Collected: 04/10/2001 11:40 by CB

Account Number: 10589

Submitted: 04/17/2001 09:40

ExxonMobil

Reported: 05/01/01 at 09:43 AM

2300 Clayton Road

Discard: 6/1/01

Suite 1250

MW-5 Grab Water Sample

Concord CA 94520

LOC# 99-105 WBS# 56

MOBIL: 6301 San Pablo Ave - Oakland, CA

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
08209	BTEX, MTBE (8020)					
00776	Benzene	71-43-2	280.	1.0	ug/l	5
00777	Toluene	108-88-3	4.4	1.0	ug/l	5
00778	Ethylbenzene	100-41-4	410.	1.0	ug/l	5
00779	Total Xylenes	1330-20-7	100.	3.0	ug/l	5
00780	Methyl tert-Butyl Ether	1634-04-4	N.D.	50.	ug/l	5
Due to the presence of an interferent near its retention time, the normal reporting limit was not attained for MTBE. The presence or concentration of MTBE cannot be determined below the reporting limit due to the presence of this interferent.						
08268	TPH-GRO (CA LUFT)					
05554	TPH-GRO (CA LUFT)	n.a.	8.0	0.10	mg/l	5
A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.						
07582	PPL + Xylene (total) by 8260					
02010	Methyl t-butyl ether	1634-04-4	N.D.	5.	ug/l	1

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
08209	BTEX, MTBE (8020)	SW-846 8020A/5030A	1	04/19/2001 08:05	Anastasia C. Papadopoulos	5
08268	TPH-GRO (CA LUFT)	CA LUFT Gasoline Method	1	04/19/2001 08:05	Anastasia C. Papadopoulos	5

#=Laboratory Method Detection Limit exceeded target detection limit
 N.D.=Not detected at or above the Reporting Limit



Lancaster Laboratories, Inc.
 2425 New Holland Pike
 Lancaster, PA 17605-2425
 717-658-2300 Fax 717-658-0981

Mobil Western Region Analysis Request/Chain of Custody



For Lancaster Laboratories use only

Acct. #: 10581

Sample #: 3592273-75

SCR#: _____

Please print.

Mobil Consultant/Office: <u>JRC</u>		Matrix				Analyses Requested <small>List total number of containers in the box under each analysis.</small>										Preservative Codes									
Consultant Prj. Mgr: <u>Jonathan Scheiner</u> Prj. #: <u>41-0123-75</u>		Potable NPDES	Water	Oil	Air	Total Number of Containers	Preservative Codes										H = HCl T = Thiosulfate N = HNO ₃ B = NaOH S = H ₂ SO ₄ O = Other								
Consultant Phone #: <u>925-688-1200</u> Fax #: <u>925-689-0388</u>							#	#																	
Location Code #: <u>Mobil 99-105</u> WBS #: <u>56</u>																									
Site Address: <u>6301 San Pablo Ave, Oakland</u> State: <u>CA</u>																									
Sampler: <u>C. Brown</u>																									
Mobil Engineer: <u>Darin Rouse</u>																									

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water	Oil	Air	Total Number of Containers	BTEX 8020	8021	+MTBE	DRO	TPH 8015 MOD	GRO	Dx	NWTPH Gx	TPHAZ	Title 22 Metals	Lead 7420	7421	Remarks	
<u>MW-2</u>	<u>04/16/01</u>	<u>9:50</u>	X			X			<u>4</u>	X	X											<u>* Confirm highest MTBE by 8260</u>	
<u>MW-3</u>	<u>↓</u>	<u>10:20</u>	X			X			<u>4</u>	X	X												
<u>MW-5</u>	<u>↓</u>	<u>11:40</u>	X			X			<u>4</u>	X	X												

Turnaround Time Requested (TAT) (please circle): <u>MOBIL STD. TAT</u> 72 hour 48 hour 24 hour other _____ day		Relinquished by: <u>Cris Brown</u> Date: <u>04/16/01</u> Time: <u>3:00</u>		Received by: _____ Date: _____ Time: _____	
Data Package Options (please circle if requested): QC Summary GLP Type I (Tier I) Other Type III (NJ Red. Del.) Disk Type IV (CLP) Type VI (Raw Data) WIP		SDG Complete? Yes (No) Site-specific QC required? Yes (No) Internal Chain of Custody required? Yes (No)		Relinquished by: _____ Date: _____ Time: _____	
Relinquished by: _____ Date: _____ Time: _____		Relinquished by Commercial Carrier: UPS (FedEx) Other _____		Received by: <u>L. Cantelus</u> Date: <u>4/16/01</u> Time: <u>0940</u>	
Temperature Upon Receipt: <u>12</u> °C		Custody Seals Intact? (Yes) No N/A			

EXHIBIT 8

WASTE DISPOSAL MANIFEST

TO BE SENT UPON RECEIPT