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Gene N. Ortega
Territory Manager
Global Remediation – U.S. Retail

Ro445

June 13, 2003

Alameda County

JUN 23 2003

Environmental Health

ExxonMobil
Refining & Supply

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

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

Dear Mr. Chan:

Attached for your review and comment is a copy of the *Second Quarter 2003 Groundwater Monitoring Report* for the above-referenced site. The report, prepared by TRC of Concord, California, details the results of the April 28, 2003 sampling event.

If you have any questions or comments, please call me at (925) 246-8747.

Sincerely,



Gene Ortega
Territory Manager

Attachment: Second Quarter 2003 Groundwater Monitoring Report

cc: Mr. Chuck Headlee, Regional Water Quality Control Board, San Francisco Bay Region
Ms. Connie Lam, Property Owner



Customer-Focused Solutions

Alameda County

June 13, 2003

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Environmental Health

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

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

Dear Mr. Chan:

Enclosed is the *Second Quarter 2003 Groundwater Monitoring Report* for the above-referenced location. This report has been prepared by TRC on behalf of ExxonMobil Oil Corporation. The contents of this report include:

- Quarterly Groundwater Monitoring Report Summary Sheet
- Exhibit 1: Monitoring Well Sampling Schedule
- Exhibit 2: Summary of Groundwater Levels and Chemical Analysis
- Exhibit 3: Figures 1 through 3 (Vicinity Map, Groundwater Elevation Contour Map, Dissolved-Phase Hydrocarbon Concentrations)
- Exhibit 4: Well Purging and Groundwater Sampling Protocol
- Exhibit 5: Monitoring Well Sampling Forms
- Exhibit 6: Analytical Laboratory Data Sheets

If you have any questions or comments regarding this report, please call me at (925) 688-2461. You may also call Mr. Gene Ortega, ExxonMobil Territory Manager, at (925)-246-8747.

Sincerely,

Jonathan Scheiner, PhD
Associate

cc: Mr. Chuck Headlee, Regional Water Quality Control Board, San Francisco Bay Region
Ms. Connie Lam, Property Owner

JUN 23 2003

Environmental Health

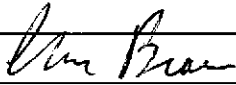
ALTON GEOSCIENCE

Quarterly Groundwater Monitoring Report Summary Sheet
Second Quarter 2003Former 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:	28-Apr-03
Number of groundwater wells on-site:	3	Groundwater wells monitored:	3
Number of groundwater wells off-site:	0	Groundwater wells sampled:	3
Phase of Investigation: Vadose Zone:	N/A	Groundwater wells with free product:	0
		Groundwater phase:	Monitor & Sample
SITE HYDROGEOLOGY:			
Approximate depth to ground water below ground surface:			7.31 ft
Approximate elevation of potentiometric surface above Mean Sea Level:			34.46 ft
Average Increase/Decrease in ground water elevations since last sampling episode:		Decrease:	0.29 ft
Approximate flow direction and hydraulic gradient:		Southwest at:	0.17 ft/ft
GROUND WATER CONTAMINATION (BENZENE MCL=1.0 ppb):			
Wells containing free product:	0	Range in Thickness of Free Product:	NA ft
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
Nature of contamination:	Gasoline	Range in Concentrations:	Benzene: ND<0.5 to 403 ppb TPH-G: ND<50 to 7,510 ppb
ADDITIONAL INFORMATION:			
Purged water was transferred to McKittrick Waste Water Treatment Facility			

Prepared by:

Chris Brown
Staff Scientist

Alton Project No: 41-0123

Approved by:



California Registered Chemical Engineer No.6083

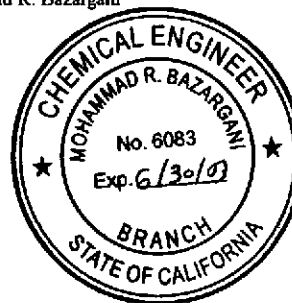
Mohammad R. Bazargani
Associate

EXHIBIT 1
SAMPLING SCHEDULE

MONITORING WELL SAMPLING SCHEDULE 2003
Former Mobil Bulk Plant 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	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)											
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-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	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-2	07/27/99	32.80	6.20	26.60	0.00	ND	—	ND	0.6	ND	ND	ND	—	—	—	0.30
MW-2	12/08/99	32.80	9.98	22.82	0.00	ND	—	1.2	0.43	ND	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-2	07/24/01	39.34	10.70	28.64	0.00	<50	—	<0.20	0.93	<0.20	0.82	<0.30	—	—	—	3.39
MW-2	11/27/01	39.34	10.15	29.19	0.00	<50	—	1.2	0.22	<0.20	<0.60	<0.30	—	—	—	—
MW-2	11/27/01	41.99	Well resurveyed													
MW-2	01/18/02	41.99	5.46	36.53	0.00	<50.0	—	<0.50	<0.50	<0.50	<0.50	1.40	—	—	—	—
MW-2	04/10/02	41.99	6.48	35.51	0.00	<50.0	—	<0.50	<0.50	<0.50	<0.50	1.80	—	—	—	—
MW-2	07/12/02	41.99	10.45	31.54	0.00	<50.0	—	<0.50	<0.50	<0.50	<0.50	<0.50	—	—	—	—
MW-2	10/14/02	41.99	11.46	30.53	0.00	<50.0	—	<0.5	4.1	0.6	4.0	<0.5	—	—	—	—
MW-2	01/20/03	41.99	5.39	36.60	0.00	<50.0	—	<0.50	<0.50	<0.50	<0.50	0.6	—	—	—	—
MW-2	04/28/03	41.99	5.87	36.12	0.00	<50.0	—	<0.50	<0.50	<0.50	<0.50	<0.50	—	—	—	—

Summary of 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)												
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	—	—	—	—	—	
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-3	07/24/01	39.27	11.57	27.70	0.00	3,100	—	110	6.9	110	81	<1.0	—	—	—	4.25	
MW-3	11/27/01	39.27	10.93	28.34	0.00	2,400	—	47	8.9	25	35	<0.30	—	—	—	—	
MW-3	11/27/01	41.71	Well resurveyed				—	—	—	—	—	—	—	—	—	—	—
MW-3	01/18/02	41.71	9.47	32.24	0.00	1,130	—	15.3	2.30	42.0	24.6	13.6	—	—	—	—	
MW-3	04/10/02	41.71	10.14	31.57	0.00	916	—	35.1	3.00	22.5	13.8	11.2	—	—	—	—	
MW-3	07/12/02	41.71	11.34	30.37	0.00	2,330	—	60.5	2.90	39.8	50.9	15.4	—	—	—	—	
MW-3	10/14/02	41.71	12.10	29.61	0.00	2,550	—	36.9	3.8	20.3	48.0	<0.5	—	—	—	—	
MW-3	01/20/03	41.71	9.20	32.51	0.00	1,750	—	20.4	304.0	60.7	22.0	10.7	—	—	—	—	
MW-3	04/28/03	41.71	9.37	32.34	0.00	2,730	—	10.0	2.7	42.7	20.1	11.2	—	—	—	—	
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	

Summary of Groundwater Levels and Chemical Analysis

Former Mobil Station 99-105

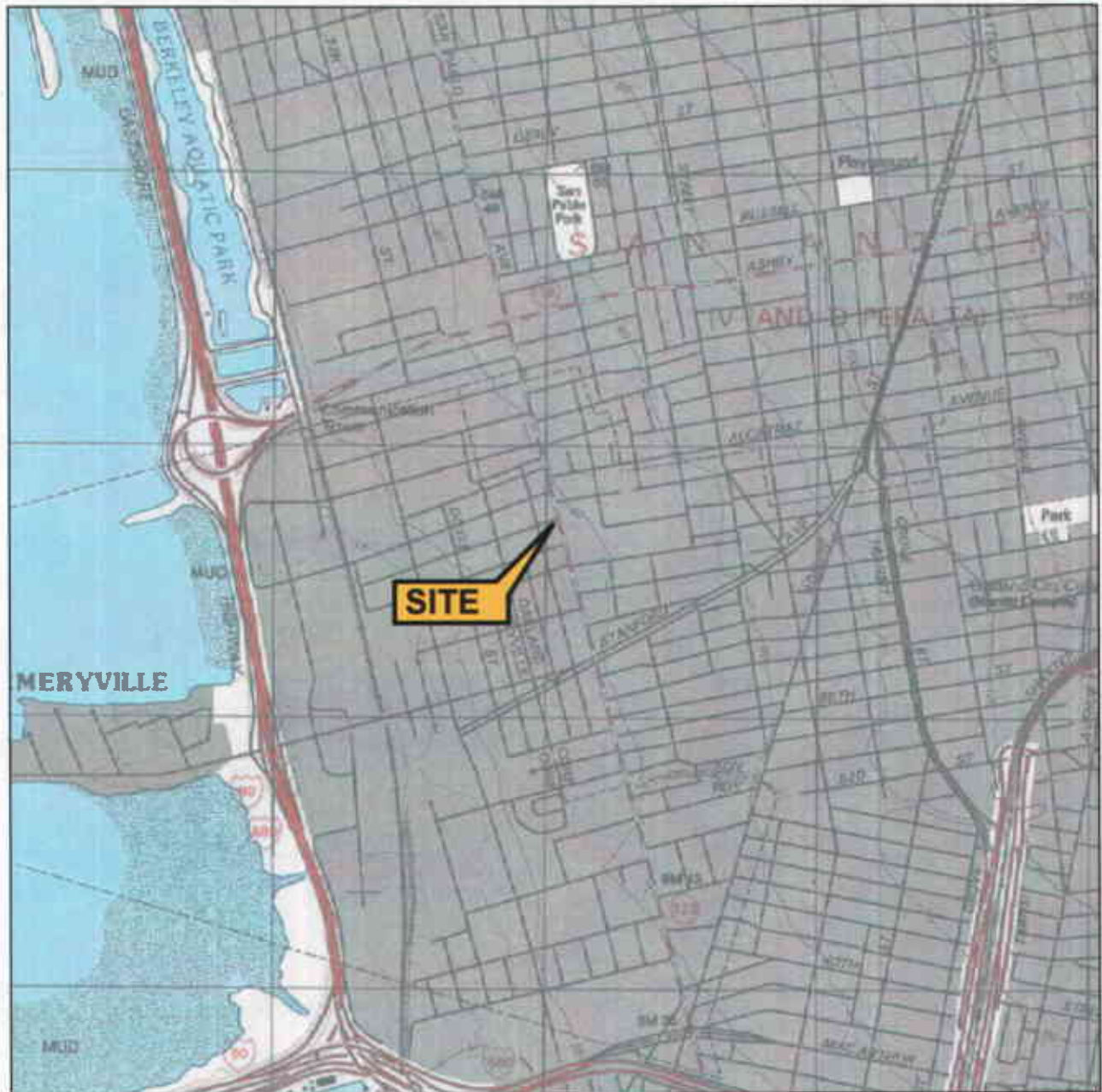
Well ID	Date	Top of Casing	Depth to	Groundwater	Product	TPH-G	TPH-D	Benzene	Toluene	Ethyl- benzene	Total Xylenes	MTBE 8020	MTBE 8240 or 8260	TOG	Lead	Dissolved Oxygen
		Elevation (feet)	Water (feet)	Elevation (feet)	Thickness (feet)											
MW-5	07/24/01	39.18	9.54	29.64	0.00	7,000	—	360	7.4	380	67	<1.0	—	—	—	5.91
MW-5	11/27/01	39.18	8.84	30.34	0.00	5,000	—	64	11	340	52	8.9	<2	—	—	—
MW-5	11/27/01	41.59	Well resurveyed													
MW-5	01/18/02	41.59	6.52	35.07	0.00	6,330	—	99.1	2.30	103	19.6	21.8	—	—	—	—
MW-5	04/10/02	41.59	7.20	34.39	0.00	2,140	—	275	8.00	183	24.5	<2.50	—	—	—	—
MW-5	07/12/02	41.59	8.83	32.76	0.00	3,940	—	350	<0.50	268	14	20	<0.50	—	—	—
MW-5	10/14/02	41.59	10.74	30.85	0.00	4,040	—	98.5	9.0	169	29.0	<2.5	—	—	—	—
MW-5	01/20/03	41.59	6.45	35.14	0.00	7,660	—	421	10.0	743	96.0	59	<0.50	—	—	—
MW-5	04/28/03	41.59	6.68	34.91	0.00	7,510	—	403	5.5	524	50.5	47	<0.50	—	—	—
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	—	—	—	—
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



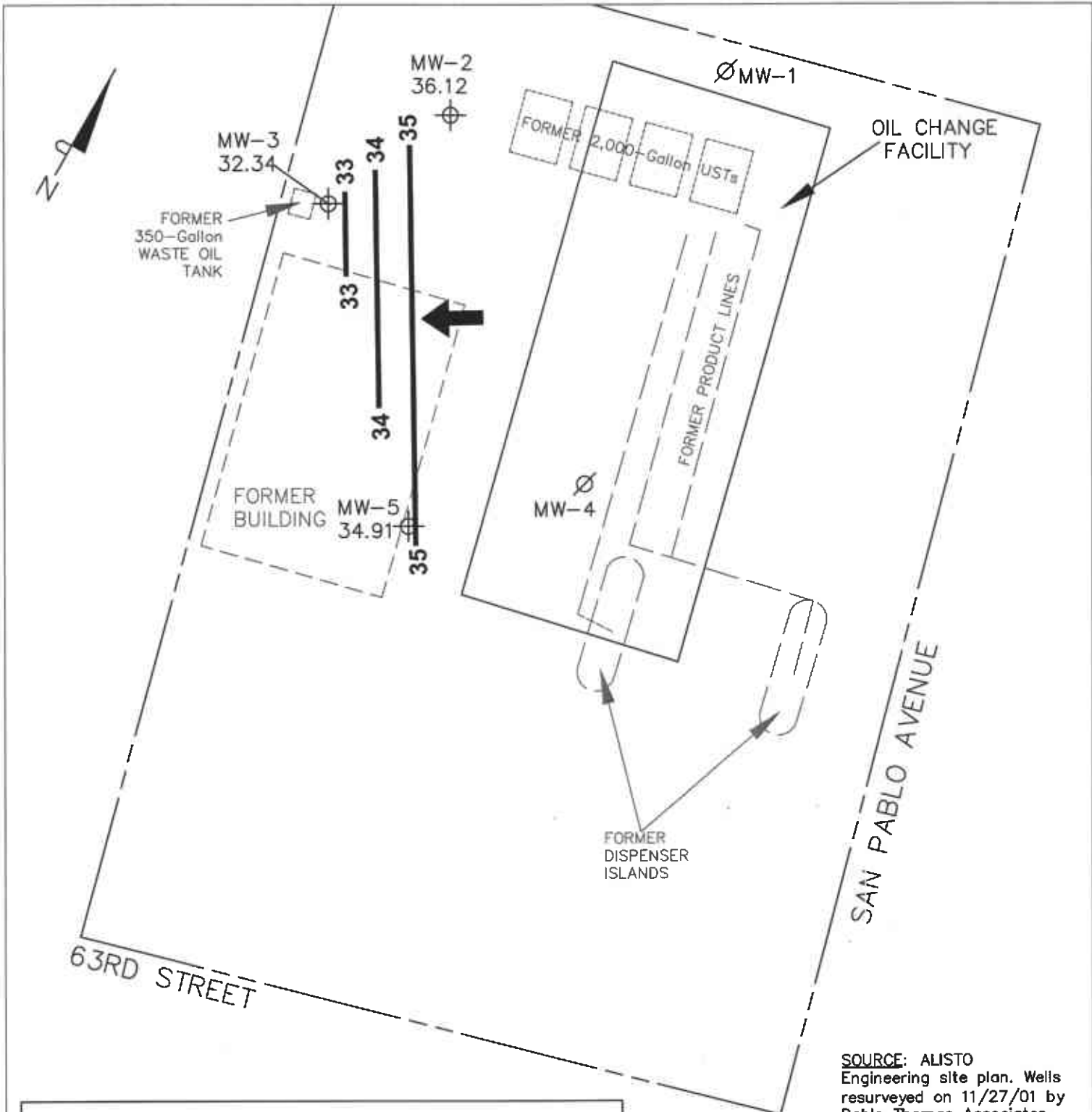
SOURCE:
 United States Geological Survey
 7.5 Minute Topographic Maps:
 Oakland West Quadrangle

VICINITY MAP

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




TRC

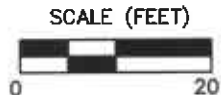
FIGURE 1



SOURCE: ALISTO Engineering site plan. Wells resurveyed on 11/27/01 by Doble Thomas Associates.

LEGEND

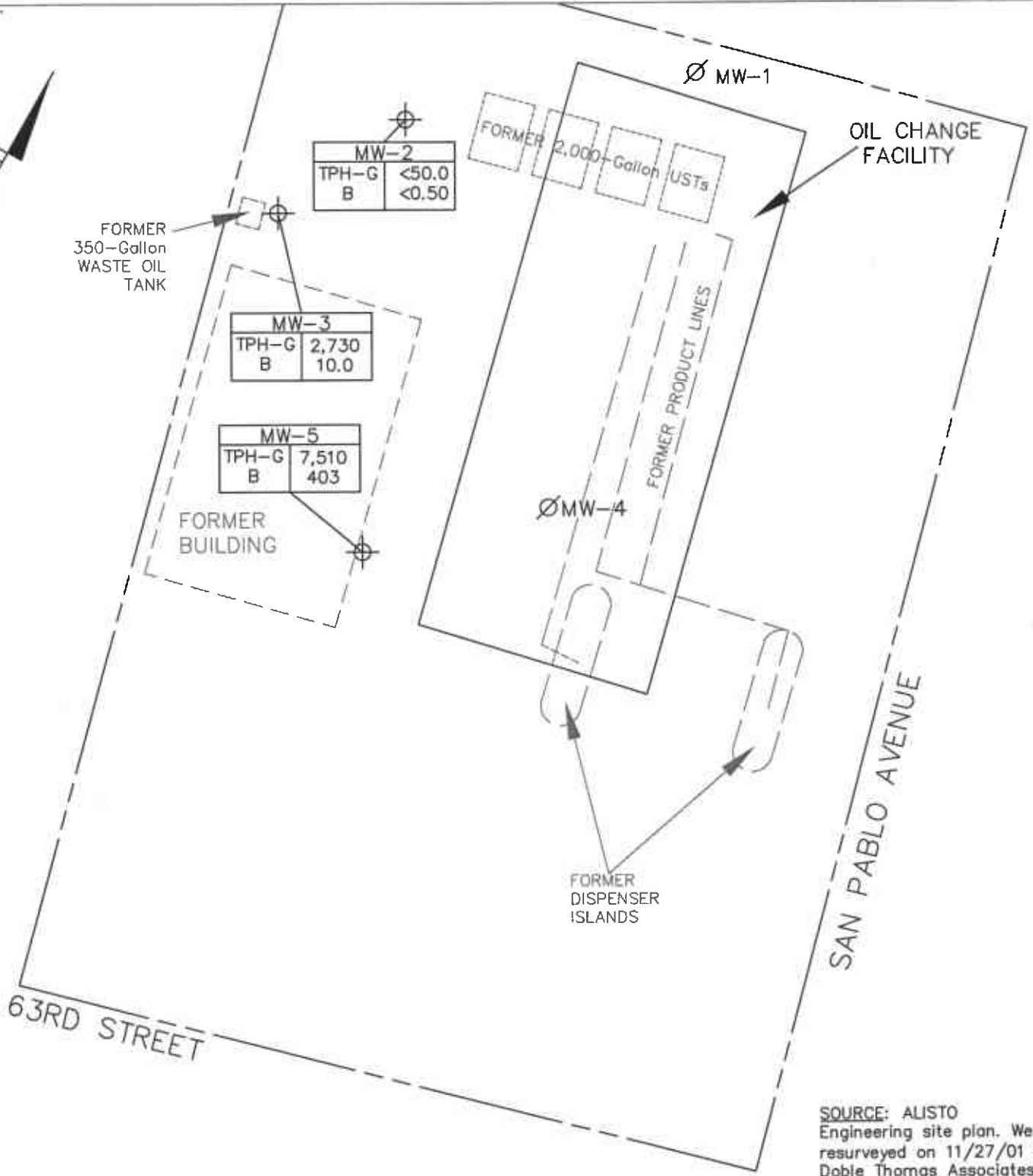
-  MW-2 Monitoring Well Showing Groundwater Elevation (Feet Relative to Mean Sea Level - NGVD-1929)
-  Destroyed Well
- 35** — Groundwater Elevation Contour Line
-  General Direction of Groundwater Gradient



NOTES: Contour lines are interpretive based on fluid-level measurements taken on April 28, 2003. Contour interval = 1 foot.

GROUNDWATER ELEVATION CONTOUR MAP
April 28, 2003
 Former Mobil Station 99-105
 6301 San Pablo Avenue
 Oakland, California

TRC **FIGURE 2**

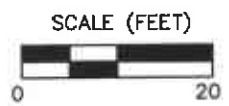


MW-2	
TPH-G	<50.0
B	<0.50

MW-3	
TPH-G	2,730
B	10.0

MW-5	
TPH-G	7,510
B	403

SOURCE: ALISTO
Engineering site plan. Wells
resurveyed on 11/27/01 by
Doble Thomas Associates.



LEGEND							
	Monitoring Well Showing						
<table border="1"><tr><th colspan="2">MW-3</th></tr><tr><td>TPH-G</td><td></td></tr><tr><td>B</td><td></td></tr></table>	MW-3		TPH-G		B		Dissolved-Phase Hydrocarbon Concentrations for TPH-G and Benzene (ppb)
MW-3							
TPH-G							
B							

NOTES:
Hydrocarbon concentrations are based on results of laboratory samples collected on April 28, 2003. TPH-G = total petroleum hydrocarbons as gasoline; B = benzene; ppb = parts per billion; < = not detected at or above the stated method detection limit.

DISSOLVED-PHASE HYDROCARBON CONCENTRATIONS
April 28, 2003
Former Mobil Station 99-105
6301 San Pablo Avenue
Oakland, California

TRC

FIGURE 3

EXHIBIT 4

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 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

Groundwater monitoring wells 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.

cc: Mr. Chuck Headlee, Regional Water Quality Control Board, San Francisco Bay Region
Ms. Connie Lamb, Property Owner

EXHIBIT 5

MONITORING WELL SAMPLING FORMS

EXHIBIT 6

ANALYTICAL LABORATORY DATA SHEETS

ANALYTICAL REPORT

TRC ALTON 3879
CHRIS BROWN
5052 COMMERCIAL CIRCLE
CONCORD, CA 94520

Lab Number: 03-A70336
Sample ID: MW-2
Sample Type: Water
Site ID: 99-105

Project:
Project Name: EXXONMOBIL 99-105
Sampler: JAMES CHIDESTER

Date Collected: 4/28/03
Time Collected: 16:30
Date Received: 5/ 6/03
Time Received: 8:15
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS									
Benzene	ND	ug/L	0.50	1.0	5/12/03	13:46	I. Ahmed	8021B	2827
Ethylbenzene	ND	ug/L	0.5	1.0	5/12/03	13:46	I. Ahmed	8021B	2827
Toluene	ND	ug/L	0.5	1.0	5/12/03	13:46	I. Ahmed	8021B	2827
Xylenes (Total)	ND	ug/L	0.5	1.0	5/12/03	13:46	I. Ahmed	8021B	2827
Methyl-t-butylether	ND	ug/L	0.5	1.0	5/12/03	13:46	I. Ahmed	8021B	2827
TPH (Gasoline Range)	ND	ug/L	50.0	1.0	5/12/03	13:46	I. Ahmed	8015B	2827

Surrogate	% Recovery	Target Range
BTEX/GRO Surr., a,a,a-TFT	83.	69. - 132.

LABORATORY COMMENTS:

- ND = Not detected at the report limit.
- B = Analyte was detected in the method blank.
- J = Estimated Value below Report Limit.
- E = Estimated Value above the calibration limit of the instrument.
- # = Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

ANALYTICAL REPORT

TRC ALTON 3879
 CHRIS BROWN
 5052 COMMERCIAL CIRCLE
 CONCORD, CA 94520

Lab Number: 03-A70337
 Sample ID: MW-3
 Sample Type: Water
 Site ID: 99-105

Project:
 Project Name: EXXONMOBIL 99-105
 Sampler: JAMES CHIDESTER

Date Collected: 4/28/03
 Time Collected: 16:40
 Date Received: 5/ 6/03
 Time Received: 8:15
 Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS									
Benzene	10.0	ug/L	0.50	1.0	5/12/03	14:17	I. Ahmed	8021B	2827
Ethylbenzene	42.7	ug/L	0.5	1.0	5/12/03	14:17	I. Ahmed	8021B	2827
Toluene	2.7	ug/L	0.5	1.0	5/12/03	14:17	I. Ahmed	8021B	2827
Xylenes (Total)	20.1	ug/L	0.5	1.0	5/12/03	14:17	I. Ahmed	8021B	2827
Methyl-t-butylether	11.2	ug/L	0.5	1.0	5/12/03	14:17	I. Ahmed	8021B	2827
TPH (Gasoline Range)	2730	ug/L	50.0	1.0	5/12/03	14:17	I. Ahmed	8015B	2827

Surrogate	% Recovery	Target Range
BTEX/GRO Surr., a,a,a-TFT	118.	69. - 132.

LABORATORY COMMENTS:

- ND = Not detected at the report limit.
- B = Analyte was detected in the method blank.
- J = Estimated Value below Report Limit.
- E = Estimated Value above the calibration limit of the instrument.
- # = Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

ANALYTICAL REPORT

TRC ALTON 3879
CHRIS BROWN
5052 COMMERCIAL CIRCLE
CONCORD, CA 94520

Lab Number: 03-A70338
Sample ID: MW-5
Sample Type: Water
Site ID: 99-105

Project:
Project Name: EXXONMOBIL 99-105
Sampler: JAMES CHIDESTER

Date Collected: 4/28/03
Time Collected: 16:50
Date Received: 5/6/03
Time Received: 8:15
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS									
Benzene	403.	ug/L	2.50	5.0	5/12/03	14:49	I. Ahmed	8021B	2827
Ethylbenzene	524.	ug/L	2.5	5.0	5/12/03	14:49	I. Ahmed	8021B	2827
Toluene	5.5	ug/L	2.5	5.0	5/12/03	14:49	I. Ahmed	8021B	2827
Xylenes (Total)	50.5	ug/L	2.5	5.0	5/12/03	14:49	I. Ahmed	8021B	2827
Methyl-t-butylether	47.0	ug/L	2.5	5.0	5/12/03	14:49	I. Ahmed	8021B	2827
TPH (Gasoline Range)	7510	ug/L	250.	5.0	5/12/03	14:49	I. Ahmed	8015B	2827
VOLATILE ORGANICS									
Methyl-t-butyl ether	ND	ug/L	0.50	1.0	5/14/03	23:41	S. Davis	8260B	4186

Surrogate	% Recovery	Target Range
BTEX/GRO Surr., a,a,a-TFT	100.	69. - 132.
VOA Surr 1,2-DCA-d4	102.	73. - 133.
VOA Surr Toluene-d8	96.	80. - 121.
VOA Surr, 4-BFB	102.	80. - 128.
VOA Surr, DBPM	96.	81. - 121.

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 03-A70338
Sample ID: MW-5
Project:
Page 2

LABORATORY COMMENTS:

ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
= Recovery outside Laboratory historical or method prescribed limits.
Volatile 8260 analysis performed outside of holding time.

End of Sample Report.

PROJECT QUALITY CONTROL DATA

Project Number:
Project Name: EXXONMOBIL 99-105
Page: 1
Laboratory Receipt Date: 5/ 6/03

Matrix Spike Recovery

Note: If Blank is referenced as the sample spiked, insufficient volume was received for the defined analytical batch for MS/MSD analysis on a true sample matrix. Laboratory reagent water was used for QC purposes.

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch	Spike Sample
UST ANALYSIS								
Benzene	mg/l	1.05	1.52	0.500	94	74. - 129.	2827	03-A70326
Toluene	mg/l	0.827	1.30	0.500	95	74. - 128.	2827	03-A70326
Ethylbenzene	mg/l	0.653	1.14	0.500	97	75. - 128.	2827	03-A70326
Methyl-t-butylether	mg/l	0.0130	0.459	0.500	89	64. - 133.	2827	03-A70326
TPH (Gasoline Range)	mg/l	< 0.0500	9.51	10.0	95	59. - 128.	2827	blank
BTEX/GRO Surr., a,a,a-TFT	% Recovery				92	69 - 132	2827	

Matrix Spike Duplicate

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
UST PARAMETERS						
Benzene	mg/l	1.52	1.49	1.99	15.	2827
Toluene	mg/l	1.30	1.27	2.33	15.	2827
Ethylbenzene	mg/l	1.14	1.11	2.67	15.	2827
Methyl-t-butylether	mg/l	0.459	0.470	2.37	23.	2827
TPH (Gasoline Range)	mg/l	9.51	11.1	15.43	22.	2827
BTEX/GRO Surr., a,a,a-TFT	% Recovery		91.			2827

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
UST PARAMETERS						
Benzene	mg/l	0.100	0.0917	92	74 - 124	2827
Toluene	mg/l	0.100	0.0915	92	74 - 121	2827

Project QC continued . . .

PROJECT QUALITY CONTROL DATA

Project Number:
Project Name: EXXONMOBIL 99-105
Page: 2
Laboratory Receipt Date: 5/ 6/03

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
Ethylbenzene	mg/l	0.100	0.0912	91	75 - 123	2827
Xylenes (Total)	mg/l	0.200	0.180	90	72 - 120	2827
Methyl-t-butylether	mg/l	0.100	0.0864	86	64 - 128	2827
TPH (Gasoline Range)	mg/l	1.00	0.951	95	61 - 139	2827
BTEX/GRO Surr., a,a,a-TFT	% Recovery			91	69 - 132	2827

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
VOA PARAMETERS						
Methyl-t-butyl ether	mg/l	0.0500	0.0498	100	66 - 137	4186
VOA Surr 1,2-DCA-d4	% Rec			101	73 - 133	4186
VOA Surr Toluene-d8	% Rec			95	80 - 121	4186
VOA Surr, 4-BFB	% Rec			96	80 - 128	4186
VOA Surr, DBFM	% Rec			102	81 - 121	4186

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed
UST PARAMETERS					
Benzene	< 0.00050	mg/l	2827	5/12/03	13:15
Toluene	< 0.0005	mg/l	2827	5/12/03	13:15
Ethylbenzene	< 0.0005	mg/l	2827	5/12/03	13:15
Xylenes (Total)	< 0.0005	mg/l	2827	5/12/03	13:15
Methyl-t-butylether	< 0.0005	mg/l	2827	5/12/03	13:15
TPH (Gasoline Range)	< 0.0500	mg/l	2827	5/12/03	13:15

Project QC continued . . .

PROJECT QUALITY CONTROL DATA

Project Number:
Project Name: EXXONMOBIL 99-105
Page: 3
Laboratory Receipt Date: 5/ 6/03

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed

UST PARAMETERS					
BTEX/GRO Surr., a,a,a-TFT	85.	% Recovery	2827	5/12/03	13:15

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed

VOA PARAMETERS					
Methyl-t-butyl ether	< 0.00014	mg/l	4186	5/14/03	19:52
VOA Surr 1,2-DCA-d4	100.	% Rec	4186	5/14/03	19:52
VOA Surr Toluene-d8	98.	% Rec	4186	5/14/03	19:52
VOA Surr, 4-BPB	100.	% Rec	4186	5/14/03	19:52
VOA Surr, DBFM	98.	% Rec	4186	5/14/03	19:52

= Value outside Laboratory historical or method prescribed QC limits.

End of Report for Project 330727

**TEST AMERICA ANALYTICAL
TESTING CORP.-NASHVILLE**



COOLER RECEIPT FORM

BC#

Client: TRC

Cooler Received On: 5/6/03 And Opened On: 5/6/03 By: Mike McBride

Mike McBride
(Signature)

1. Temperature of Cooler when opened 36 **Degrees Celsius**
2. Were custody seals on outside of cooler?..... YES...NO...NA
 - a. If yes, how many, what kind and where: (6) Front/Back
3. Were custody seals on containers and intact?..... NO...YES...NA
4. Were the seals intact, signed, and dated correctly?..... YES...NO...NA
5. Were custody papers inside cooler?..... YES...NO...NA
6. Were custody papers properly filled out (ink,signed,etc)?..... YES...NO...NA
7. Did you sign the custody papers in the appropriate place?..... YES...NO...NA
8. What kind of packing material used? Bubblewrap) Peanuts Vermiculite Other None
9. Was sufficient ice used (if appropriate)?..... YES...NO...NA
10. Did all bottles arrive in good condition(unbroken)?..... YES...NO...NA
11. Were all bottle labels complete (#,date,signed,pres,etc)?..... YES...NO...NA
12. Did all bottle labels and tags agree with custody papers?..... YES...NO...NA
13. Were correct bottles used for the analysis requested?..... YES...NO...NA
14. a. Were VOA vials received?..... YES...NO...NA
 - b. Was there any observable head space present in any VOA vial?..... NO...YES...NA
15. Was sufficient amount of sample sent in each bottle?..... YES...NO...NA
16. Were correct preservatives used?..... YES...NO...NA
If not, record standard ID of preservative used here _____
17. Was residual chlorine present?.....NO...YES.. NA

18. See attached for resolution of non-conformance:

Fed-Ex UPS Velocity Airborne Route Off-street Misc.

5/15/03

TRC ALTON 3879
CHRIS BROWN
5052 COMMERCIAL CIRCLE
CONCORD, CA 94520

This report includes the analytical certificates of analysis for all samples listed below. These samples relate to your project identified below:

Project Name: EXXONMOBIL 99-105
Project Number: .
Laboratory Project Number: 330727.

An executed copy of the chain of custody, the project quality control data, and the sample receipt form are also included as an addendum to this report. If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-800-765-0980.

Page 1

Sample Identification	Lab Number	Collection Date
MW-2	03-A70336	4/28/03
MW-3	03-A70337	4/28/03
MW-5	03-A70338	4/28/03

These results relate only to the items tested.
This report shall not be reproduced except in full and with permission of the laboratory.

Report Approved By: 

Report Date: 5/14/03

Paul E. Lane, Jr., Lab Director
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Serv.
Eric S. Smith, Assistant Technical Director
Roxanne L. Connor, Technical Services

Gail A. Lage, Technical Serv.
Glenn L. Norton, Technical Serv.
Kelly S. Comstock, Technical Serv.
Pamela A. Langford, Technical Serv.

Laboratory Certification Number: 01168CA