ConocoPhillips
76 Broadway
Sacramento, California 95818

January 6, 2006

Mr. Don Hwang
Alameda County Health Agency
1131 Harbor Bay Parkway
Alameda, California 94502

Re: **Report Transmittal**
No Further Action Required Report – Request For Closure
76 Service Station #0018
6201 Claremont Avenue
Oakland, CA

Dear Mr. Hwang:

I declare under penalty of perjury that to the best of my knowledge the information and/or recommendations contained in the attached report is/are true and correct.

If you have any questions or need additional information, please contact

Shelby S. Lathrop (Contractor)
ConocoPhillips
Risk Management & Remediation
76 Broadway
Sacramento, CA 95818
Phone: 916-558-7609
Fax: 916-558-7639

Sincerely,

Thomas K. Kosel

Thomas Kosel
Risk Management & Remediation

Attachment

TRC
Customer-Focused Solutions

January 6, 2006

Mr. Don Hwang
Hazardous Materials Specialist
Alameda County Environmental Health
1131 Harbor Bay Parkway
Alameda, CA 94502-6577

RE: **No Further Action Required Report - Request For Closure**
76 Service Station #0018, 6201 Claremont Avenue, Oakland, California
Alameda County

Dear Mr. Hwang:

On behalf of ConocoPhillips Company (ConocoPhillips), TRC has prepared this no further action required report – request for closure for the above-referenced site. As noted in the Third Quarter 2005 Status Report, historical and current monitoring data indicate groundwater impacts are limited to the vicinity of monitoring well MW-1. With the exception of an anomalous TPPH concentration of 5,700 µg/l reported for MW-1 during the first quarter 2005, TPPH concentrations in MW-1 have been low and stable for several years. In addition, MTBE concentrations have been low and benzene concentrations have been below laboratory reporting limits in MW-1 for several years.

Based on the low residual TPPH and MTBE concentrations in groundwater in MW-1 and on the non-detect concentrations reported in site wells MW-2 and MW-3 over the past several years, TRC recommends that the site be referred for closure based on information and data presented in Attachments A through D.

I attest, under penalty of perjury, in accordance with Water Code section 13267, the attached documents constitute the complete list of documents pertaining to waste discharged, hydrogeology, and other information directly relevant to the characterization and cleanup of the waste discharged at the subject site.

Thank you for your consideration of this matter. If you have any questions, please call me at (925) 688-2488.

Sincerely,
TRC

Keith Woodburne, P.G.
Senior Project Geologist

1590 Solano Way, Suite A • Concord, California 94520
Telephone 925-688-1200 • Fax 925-688-0388

Attachments:

A Case Closure Summary

B Tables
- Table 1 – Historic Soil Chemical Analytical Results
- Table 2 – Historic Fluid Levels and Selected Analytical Results
- Table 3 – Additional Analytical Results

C Figures
- Figure 1 – Vicinity Map
- Figure 2 – Hydrocarbon Concentrations in Soil (Jun 93 - July 00)
- Figure 3 – Dissolved-Phase Hydrocarbon Concentrations in Soil (August 00)
- Figure 4 – Dissolved-Phase Hydrocarbon Concentrations in Soil (September 05)
- Figure 5 – Rose Diagram: Historical Groundwater Flow Directions

D Geologic Logs and Well Construction Details

cc: Shelby Lathrop, ConocoPhillips (electronic copy only)

ATTACHMENT A

CASE CLOSURE SUMMARY

CASE CLOSURE SUMMARY

Leaking Underground Fuel Storage Tank Program

I. Agency Information

Agency Name: Alameda County Environmental Health	**Address:** 1131 Harbor Bay Parkway
City/State/Zip: Alameda, CA 94502-6577	**Phone:** (510) 567-6746
Responsible Staff person: Don Hwang	**Title:** Hazardous Materials Specialist

II. Case Information

Site Facility Name: Tosco Service Station No. 0018		**RWQCB Case No.** NA
Site Facility Address: 6201 Claremont Avenue, Oakland, Alameda County		
Responsible Parties	**Address**	**Phone Number**
ConocoPhillips	76 Broadway, Sacramento, CA 95818	(916) 558-7609
Property Owner		
ConocoPhillips	76 Broadway, Sacramento, CA 95818	(916) 558-7609

III. Tank Information

Tank #	Size in Gallons	Contents	Closed in Place/Removed	Date
1	12,000	Gasoline	Active	
2	12,000	Gasoline	Active	
3	12,000	Gasoline	Removed	Mar-97
4	12,000	Gasoline	Removed	Mar-97
5	280	Waste Oil	Removed	Mar-97

IV. Release and Site Characterization Information

Cause and Type of Release: Unknown		
Site Characterization Complete? Yes	**Date Approved by Oversight Agency:**	
Monitoring Wells Installed? Yes	**Number:** 3	**Proper Screened Interval?** Yes
Highest GW Depth Below Ground Surface: 16.09	**Lowest:** 24.25	**Flow Direction:** Southwest
Most Sensitive Current GW Use: Claremont Creek 0.1 mi northeast		
Are Drinking Water Wells Affected? No	**Aquifer Name:**	
Is Surface Water Affected? No	**Nearest affected SW name:** NA	
Off-site Beneficial Use Impacts (addresses/locations): None		

CASE CLOSURE SUMMARY
Leaking Underground Storage Tank Program

V. Treatment/Disposal Methods (Attach any additional information)

Material	Amount (Include Units)	Action (Treatment or Disposal Method)	Date
Tanks	12,000 gal. UST	Removed	March 1997
	12,000 gal. UST	Removed	March 1997
	280 gal. Waste Oil Tank	Removed	March 1997
Piping	Two Sets Product Piping	Removed during service upgrades	March 1997
	Waste Oil and Product Piping	Removed during waste oil tank removal and installation of new product dispenser islands	March 1997
Free Product	NA	No Free Product Encountered	
Soil	516 tons	Disposed of at Forward Landfill	March 1997
	2.5 yards	Disposed of at Forward Landfill	July 2000
Ground Water	~ 400 gallons (approx.)	Treated and disposed at Tosco Refinery	Aug 00 to Sep 05

Maximum Documented Contaminant Concentrations--Before and After Cleanup

Contaminant	Soil (mg/kg)		Water (µg/L)		Contaminant	Soil (mg/kg)		Water (µg/L)	
	Before	After	Before	After		Before	After	Before	After
TPH (Gas)	19	NA	330-1,250	200-300	1,2-DCA	NA	NA	NA	NA
TPH (Diesel)	ND	NA	NA	NA	Oil & Grease	ND	NA	NA	NA
Benzene	0.018	NA	0.67-1.3	ND	Lead	7.0	NA	NA	NA
Toluene	0.10	NA	1.2-1.5	ND	MTBE	1.4	NA	54	19
Ethylbenzene	0.056	NA	0.86-1.74	ND	Other				
Xylenes	0.32	NA	1.4	ND					

Comments:

VI. Closure

Does completed corrective action protect existing beneficial uses per the Basin Plan? Yes

Does completed corrective action protect potential beneficial uses per the Basin Plan? Yes

Does corrective action protect public health for current land use? Yes

Site Management Requirements:

Should corrective action be reviewed if land-use changes? Yes

Monitoring Wells Destroyed? NA	**Number Destroyed:** NA	**Number Retained:** 3

CASE CLOSURE SUMMARY
Leaking Underground Storage Tank Program

List Enforcement Actions Taken: None
List Enforcement Actions Rescinded: None

VII. Local Agency Representative Data

Agency Name: Alameda County Environmental Health	**Address:** 1131 Harbor Bay Parkway
City/State/Zip: Alameda, CA 94502-6577	**Phone:** (510) 567-6746
Responsible Staff person: Don Hwang	**Title:** Hazardous Materials Specialist

VIII. Additional Comments

Technical reports, correspondence etc. in chronological order:

TITLE/ SUBJECT	DATE
GeoStrategies Inc. / Oil/Water Separator Abandonment	9/21/1993
Edwards, Plaine & Company / Form Appraisal	8/24/1994
Unocal Corp. / UST Unauthorized Release Report	11/21/1996
KEI Inc. / Soil and Ground Water Sampling Report	4/17/1997
Alameda County EHS / Notice of Responsibility	3/18/1998
Alameda County EHS / Request for Workplan	5/27/1998
Gettler-Ryan, Inc. / Workplan for Monitoring Well Installation	2/15/2000
Alameda County EHS / Review of Workplan for Monitoring Well Installation	6/2/2000
Gettler-Ryan, Inc. / Groundwater Monitoring and Sampling Report Fourth Quarter 2000-- Event of 11/16/00	12/14/2000
Gettler-Ryan, Inc. / Well Installation Report	12/18/2000
Gettler-Ryan, Inc. / Fourth Quarter 2000 Quarterly Summary Report	12/31/2000
Alameda County EHS / Review of Fourth Quarter Groundwater Monitoring and Sampling Report	2/22/2001
Gettler-Ryan, Inc. / Groundwater Monitoring and Sampling Report First Quarter 2001-- Event of 2/9/01	3/26/2001
Gettler-Ryan, Inc. / First Quarter 2001 Quarterly Summary Report	3/30/2001
Gettler-Ryan, Inc. / Groundwater Monitoring and Sampling Report Second Quarter 2001-- Event of 5/11/01	6/15/2001
Gettler-Ryan, Inc. / Second Quarter 2001 Quarterly Summary Report	6/30/2001
Alameda County EHS / Review of First and Second Quarter Groundwater Monitoring and Sampling Report	7/17/2001
Gettler-Ryan, Inc. / Groundwater Monitoring and Sampling Report Third Quarter 2001-- Event of 8/10/01	9/10/2001
Gettler-Ryan, Inc. / Third Quarter 2001 Quarterly Summary Report	9/30/2001
Gettler-Ryan, Inc. / Groundwater Monitoring and Sampling Report Third Quarter 2001-- Event of 11/7/01	12/14/2001
Gettler-Ryan, Inc. / Groundwater Monitoring and Sampling Report First Quarter 2002	3/20/2002
Gettler-Ryan, Inc. / G&S Report Second Quarter	2002

6/21/2002	
Gettler-Ryan, Inc. / Groundwater Monitoring and Sampling Report Third Quarter 2002– Event of 9/18/02	10/25/2002
Gettler-Ryan, Inc. / Groundwater Monitoring and Sampling Report Fourth Quarter 2002– Event of 11/29/02	1/3/2003
Gettler-Ryan, Inc. / Groundwater Monitoring and Sampling Report First Quarter 2003– Event of 2/5/03	3/10/2003
Gettler-Ryan, Inc. / Groundwater Monitoring and Sampling Report Second Quarter 2003– Event of 5/5/03	6/9/2003
Gettler-Ryan, Inc. / Groundwater Monitoring and Sampling Report Third Quarter 2003– Event of 9/4/03	10/20/2003
Gettler-Ryan, Inc. / Revised Tables 1&2 Third Quarter 2003– Event of 9/4/03	10/24/2003
TRC / Quarterly Monitoring Report Fourth Quarter 2003	1/14/2004
TRC / Quarterly Monitoring Report First Quarter 2004	3/17/2004
TRC / Quarterly Monitoring Report Second Quarter 2004	6/8/2004
TRC / Quarterly Status Report Fourth Quarter 2003	6/15/2004
TRC / Quarterly Status Report First Quarter 2004	6/15/2004
TRC / Quarterly Status Report Second Quarter 2004	6/16/2004
TRC / Quarterly Monitoring Report Third Quarter 2004	10/22/2004
TRC / Quarterly Status Report Third Quarter 2004	10/29/2004
TRC / Quarterly Monitoring Report Fourth Quarter 2004	1/19/2005
TRC / Quarterly Status Report Fourth Quarter 2004	2/2/2005
TRC / Quarterly Monitoring Report First Quarter 2005	3/11/2005
TRC / Quarterly Status Report First Quarter 2005	3/24/2005
TRC / Quarterly Monitoring Report Second Quarter 2005	7/15/2005
TRC / Quarterly Status Report Second Quarter 2005	7/29/2005
TRC / Quarterly Monitoring Report Third Quarter 2005	10/27/2005
TRC / Quarterly Status Report Third Quarter 2005	10/28/2005

IX. Regional Board Certification

Signature of Executive Officer	**Date:**

X. Additional Information (to be attached to this report)

1. Listing of Reports

Please include a list of all investigative reports, including reports prepared for financial institutions such as Phase I Environmental Assessments, all monitoring data, corrective action alternatives analyses, and other consultant reports. If a report on the list has not been previously submitted to the Regional Board, please submit the report with this form.

On or attached to the list must be the following statement, with the dated signature of the responsible party or his agent:

> "I attest, under penalty of perjury, in accordance with Water Code section 13267, the following documents constitute the complete list of documents pertaining to waste discharged, hydrogeology and other information directly relevant to the characterization and cleanup of the waste discharged at the subject site."

The following items are optional as applicable to the review of the site for closure:

2. Extent of Soil Contamination

a) Maps showing the extent of soil degradation by chemicals of concern in excess of guidelines, before and after remediation.

b) Geologic log of the most highly degraded soil boring or monitoring well showing sample points with a list of contaminant concentrations.

c) Summary table of all historic soil sampling results.

3. Extent of Ground Water Contamination

a) Maps showing the extent of ground water degradation in excess of detection limits for chemicals of concern, before and after remediation.

b) Geologic logs, including construction, for all wells.

c) Representative geologic log identifying all aquifers.

d) Two intersecting cross-sections of the site.

e) Summary table of all historic ground water analyses and water levels.

ATTACHMENT B

TABLES

Table 1
HISTORIC SOIL CHEMICAL ANALYTICAL RESULTS
June 1993 through July 2000
76 Station 0018

Sample ID	Date Sampled	Sample Depth (fbg)	TPH-G (mg/kg)	TPH-D (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-Benzene (mg/kg)	Total Xylenes (mg/kg)	MTBE (mg/kg)	TOG (mg/kg)	TPH-MO (mg/kg)	Total Lead (mg/kg)	Metals (mg/kg)
UOW-1	06/16/93	3	ND<0.50	ND<10	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	--	ND<50	170	7.0	*see Notes* [2]
UOW-2	06/17/93	3	ND<0.50	ND<10	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	--	ND<50	22	6.2	*see Notes* [3]
WO1	03/05/97	8	ND	ND	ND	ND	ND	ND	ND	--	--	3.7	*see Notes* [4]
A1	03/07/97	16	ND	--	ND	ND	ND	ND	ND	--	--	--	--
A2	03/07/97	16	2.6	--	ND	0.011	0.017	0.044	ND	--	--	--	--
B1	03/07/97	16	ND	--	ND	ND	ND	ND	ND	--	--	--	--
B2	03/07/97	16	ND	--	ND	ND	ND	0.0051	ND	--	--	--	--
D1	03/07/97	2	1.4	--	0.0	0.10	0.030	0.32	1.4	--	--	--	--
D2	03/07/97	2	ND	--	ND	ND	ND	ND	ND	--	--	--	--
D3	03/07/97	2	ND	--	ND	ND	ND	ND	ND	--	--	--	--
D4	03/07/97	2	ND	--	ND	ND	ND	ND	ND	--	--	--	--
MW-1-15	07/11/00	15	ND	--	ND	ND	ND	ND	ND	--	--	--	--
MW-1-25.5	07/11/00	25.5	19 [1]	--	0.018	0.035	0.056	0.12	ND	--	--	--	--
MW-2-16	07/11/00	16	ND	--	ND	ND	ND	ND	ND	--	--	--	--
MW-2-20.5	07/11/00	20.5	ND	--	ND	ND	ND	ND	ND	--	--	--	--
MW-3-18	07/11/00	18	ND	--	ND	ND	ND	ND	ND	--	--	--	--

Notes:

TPH-G = total petroleum hydrocarbons as gasoline
TOG = total oil and grease
TPH-D = total petroleum hydrocarbons as diesel
TPH-MO = total petroleum hydrocarbons as motor oil
MTBE = methyl tertiary butyl ether

fbg = feet below grade
mg/kg = milligrams per kilogram
ND = non detect above the Method Detection Limit
-- = not analyzed, measured, or collected

1. chromatogram Pattern: Gasoline C6-C12 + Unidentified Hydrocarbons C6-C12.

	Arsenic	Barium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Nickel
2. metals detected:	8.6	160	1.2	52	15	21	70	<0.5	50
3. metals detected:	9.3	140	1.2	52	13	20	6.2	<0.5	45
4. metals detected:	--	--	ND	33	--	--	3.7	--	38

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
August 2000 Through September 2005
76 Station 0018

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-1	**(Screen Interval in feet: 10.0-30.0)**													
08/24/00	208.15	18.55	0.00	189.60	--	120	--	0.67	ND	0.86	1.4	54	54	
11/16/00	208.15	20.30	0.00	187.85	-1.75	169	--	ND	1.20	1.74	0.629	68.6	97.7	
02/09/01	208.15	20.16	0.00	187.99	0.14	330	--	1.3	ND	1.0	4.6	140	150	
05/11/01	208.15	17.68	0.00	190.47	2.48	1250	--	ND	ND	ND	ND	145	122	
08/10/01	208.15	20.38	0.00	187.77	-2.70	580	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	110	150	
11/07/01	208.15	22.68	0.00	185.47	-2.30	250	--	ND<0.50	1.5	ND<0.50	ND<0.50	120	100	
02/06/02	208.15	16.20	0.00	191.95	6.48	790	--	ND<2.5	12	8.8	ND<2.5	90	72	
05/08/02	208.15	17.54	0.00	190.61	-1.34	890	--	ND<2.5	ND<2.5	ND<2.5	ND<2.5	78	81	
08/09/02	208.15	20.21	0.00	187.94	-2.67	--	450	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	100	
11/29/02	208.15	22.33	0.00	185.82	-2.12	--	110	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	72	
02/03/03	208.15	16.41	0.00	191.74	5.92	--	540	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	40	
05/05/03	208.15	16.09	0.00	192.06	0.32	--	670	ND<2.5	ND<2.5	ND<2.5	ND<5.0	--	57	
09/04/03	208.15	21.46	0.00	186.69	-5.37	--	--	--	--	--	--	--	--	No analysis; past holding time
11/13/03	208.15	21.52	0.00	186.63	-0.06	--	97	ND<0.50	5.0	0.82	3.5	--	29	
01/29/04	208.15	17.51	0.00	190.64	4.01	--	520	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	44	
05/07/04	208.15	16.74	0.00	191.41	0.77	--	180	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	25	
08/27/04	208.15	19.40	0.00	188.75	-2.66	--	100	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	21	
11/23/04	208.15	19.82	0.00	188.33	-0.42	--	410	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	45	
02/09/05	208.15	15.81	0.00	192.34	4.01	--	5700	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	40	
06/16/05	208.15	15.85	0.00	192.30	-0.04	--	200	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	24	
09/27/05	208.15	19.15	0.00	189.00	-3.30	--	300	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	19	
MW-2	**(Screen Interval in feet: 10.0-30.0)**													
08/24/00	210.27	19.69	0.00	190.58	--	ND	--	ND	ND	ND	ND	ND	ND	
11/16/00	210.27	21.61	0.00	188.66	-1.92	ND	--	ND	ND	ND	ND	ND	ND	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

August 2000 Through September 2005

76 Station 0018

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-2 continued														
02/09/01	210.27	21.52	0.00	188.75	0.09	ND	--	ND	ND	ND	ND	ND	ND	
05/11/01	210.27	18.76	0.00	191.51	2.76	ND	--	ND	ND	ND	ND	ND	ND	
08/10/01	210.27	21.65	0.00	188.62	-2.89	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	ND<2.0	
11/07/01	210.27	24.25	0.00	186.02	-2.60	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	ND<1.0	
02/06/02	210.27	18.22	0.00	192.05	6.03	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	
05/08/02	210.27	18.63	0.00	191.64	-0.41	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	
08/09/02	210.27	21.53	0.00	188.74	-2.90	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
11/29/02	210.27	23.73	0.00	186.54	-2.20	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
02/03/03	210.27	17.43	0.00	192.84	6.30	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
05/05/03	210.27	17.15	0.00	193.12	0.28	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
09/04/03	210.27	22.75	0.00	187.52	-5.60	--	--	--	--	--	--	--	--	No analysis; past holding time
11/13/03	210.27	23.02	0.00	187.25	-0.27	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
01/29/04	210.27	18.73	0.00	191.54	4.29	--	ND<50	0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
05/07/04	210.27	17.79	0.00	192.48	0.94	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
08/27/04	210.27	19.66	0.00	190.61	-1.87	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
11/23/04	210.27	21.20	0.00	189.07	-1.54	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
02/09/05	210.27	16.72	0.00	193.55	4.48	--	ND<50	0.69	1.5	ND<0.50	1.4	--	ND<0.50	
06/16/05	210.27	16.73	0.00	193.54	-0.01	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
09/27/05	210.27	20.41	0.00	189.86	-3.68	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
MW-3		**(Screen Interval in feet: 18.0-30.0)**												
08/24/00	208.98	18.68	0.00	190.30	--	ND	--	ND	ND	ND	ND	4.7	2.3	
11/16/00	208.98	20.56	0.00	188.42	-1.88	ND	--	ND	ND	ND	ND	ND	ND	
02/09/01	208.98	20.45	0.00	188.53	0.11	ND	--	ND	ND	ND	ND	ND	ND	
05/11/01	208.98	17.75	0.00	191.23	2.70	ND	--	ND	ND	ND	ND	ND	ND	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

August 2000 Through September 2005

76 Station 0018

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-3 continued														
08/10/01	208.98	20.70	0.00	188.28	-2.95	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	ND<2.0	
11/07/01	208.98	23.02	0.00	185.96	-2.32	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	1.5	
02/06/02	208.98	17.19	0.00	191.79	5.83	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	
05/08/02	208.98	17.59	0.00	191.39	-0.40	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	
08/09/02	208.98	20.48	0.00	188.50	-2.89	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
11/29/02	208.98	22.64	0.00	186.34	-2.16	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
02/03/03	208.98	16.46	0.00	192.52	6.18	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
05/05/03	208.98	16.16	0.00	192.82	0.30	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	2.6	
09/04/03	208.98	21.71	0.00	187.27	-5.55	--	--	--	--	--	--	--	--	No analysis; past holding time
11/13/03	208.98	21.93	0.00	187.05	-0.22	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
01/29/04	208.98	17.79	0.00	191.19	4.14	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
05/07/04	208.98	16.79	0.00	192.19	1.00	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	0.55	
08/27/04	208.98	19.70	0.00	189.28	-2.91	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
11/23/04	208.98	20.30	0.00	188.68	-0.60	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
02/09/05	208.98	15.72	0.00	193.26	4.58	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	1.6	
06/16/05	208.98	15.67	0.00	193.31	0.05	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
09/30/05	208.98	19.47	0.00	189.51	-3.80	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	9/27/05 samples broke during shipment.

Table 3
ADDITIONAL ANALYTICAL RESULTS
76 Station 0018

Date Sampled	EDC	EDB	TAME 8260B	TBA 8260B	DIPE 8260B	ETBE 8260B	Ethanol 8260B
	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)
MW-1							
08/24/00	--	--	ND	ND	ND	ND	ND
11/16/00	--	--	ND	ND	ND	ND	ND
02/09/01	ND	ND	ND	ND	ND	ND	ND
05/11/01	ND	ND	ND	ND	ND	ND	ND
08/10/01	ND<2.0	ND<2.0	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<1000
11/07/01	ND<1.0	ND<1.0	ND<1.0	ND<20	ND<1.0	ND<1.0	ND<500
02/06/02	ND<2.0	ND<2.0	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500
05/08/02	ND<2.0	ND<2.0	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500
08/09/02	ND<2.0	ND<2.0	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500
11/29/02	ND<2.0	ND<2.0	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500
02/03/03	ND<2.0	ND<2.0	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500
05/05/03	ND<10	ND<10	ND<10	ND<500	ND<10	ND<10	ND<2500
11/13/03	ND<2.0	ND<2.0	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500
01/29/04	ND<2.0	ND<2.0	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500
05/07/04	ND<0.50	ND<0.50	ND<0.50	ND<5.0	ND<1.0	ND<0.50	ND<50
08/27/04	ND<0.50	ND<0.50	ND<0.50	ND<5.0	ND<1.0	ND<0.50	ND<50
11/23/04	ND<0.50	ND<0.50	ND<0.50	7.5	ND<1.0	ND<0.50	ND<50
02/09/05	ND<0.50	ND<0.50	ND<0.50	ND<5.0	ND<0.50	ND<0.50	ND<50
06/16/05	ND<0.50	ND<0.50	ND<0.50	ND<5.0	ND<0.50	ND<0.50	ND<50
09/27/05	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<0.50	ND<0.50	ND<250
MW-2							
08/24/00	--	--	ND	ND	ND	ND	ND
11/16/00	--	--	ND	ND	ND	ND	ND
02/09/01	ND	ND	ND	ND	ND	ND	ND
05/11/01	ND	ND	ND	ND	ND	ND	ND
08/10/01	ND<2.0	ND<2.0	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<1000

Table 3
ADDITIONAL ANALYTICAL RESULTS
76 Station 0018

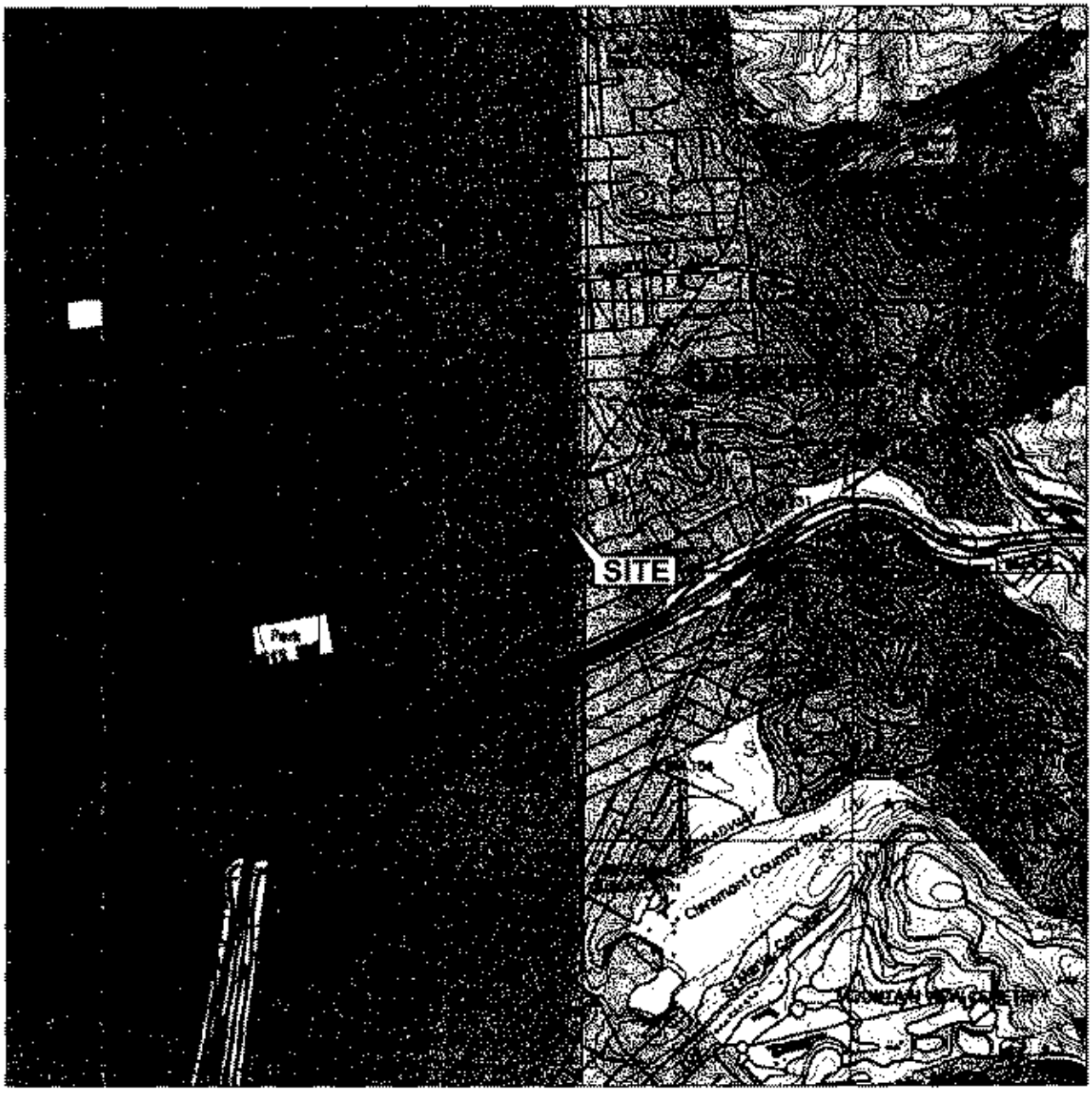
Date Sampled	EDC	EDB	TAME 8260B	TBA 8260B	DIPE 8260B	ETBE 8260B	Ethanol 8260B
	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)
MW-2 continued							
11/07/01	ND<1.0	ND<1.0	ND<1.0	ND<20	ND<1.0	ND<1.0	ND<500
11/13/03	--	--	--	--	--	--	ND<500
01/29/04	--	--	--	--	--	--	ND<500
05/07/04	--	--	--	--	--	--	ND<50
08/27/04	--	--	--	--	--	--	ND<50
11/23/04	--	--	--	--	--	--	ND<50
02/09/05	--	--	--	--	--	--	ND<50
06/16/05	--	--	--	--	--	--	ND<50
09/27/05	--	--	--	--	--	--	ND<250
MW-3							
08/24/00	--	--	ND	ND	ND	ND	ND
11/16/00	--	--	ND	ND	ND	ND	ND
02/09/01	ND	ND	ND	ND	ND	ND	ND
05/11/01	ND	ND	ND	ND	ND	ND	ND
08/10/01	ND<2.0	ND<2.0	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<1000000
11/07/01	ND<1.0	ND<1.0	ND<1.0	ND<20	ND<1.0	ND<1.0	ND<500000
08/09/02	ND	ND	--	--	--	--	--
11/29/02	ND	ND	--	--	--	--	--
02/03/03	ND<2.0	ND<2.0	--	--	--	--	--
05/05/03	ND<1.0	ND<1.0	--	--	--	--	--
11/13/03	--	--	--	--	--	--	ND<500
01/29/04	--	--	--	--	--	--	ND<500
05/07/04	--	--	--	--	--	--	ND<50
08/27/04	--	--	--	--	--	--	ND<50
11/23/04	--	--	--	--	--	--	ND<50
02/09/05	--	--	--	--	--	--	ND<50

Table 3
ADDITIONAL ANALYTICAL RESULTS
76 Station 0018

Date Sampled	EDC	EDB	TAME 8260B	TBA 8260B	DIPE 8260B	ETBE 8260B	Ethanol 8260B
	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)
MW-3 continued							
06/16/05	--	--	--	--	--	--	ND<50
09/30/05	--	--	--	--	--	--	ND<250

ATTACHMENT C

FIGURES



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

SCALE 1 : 24,000

N

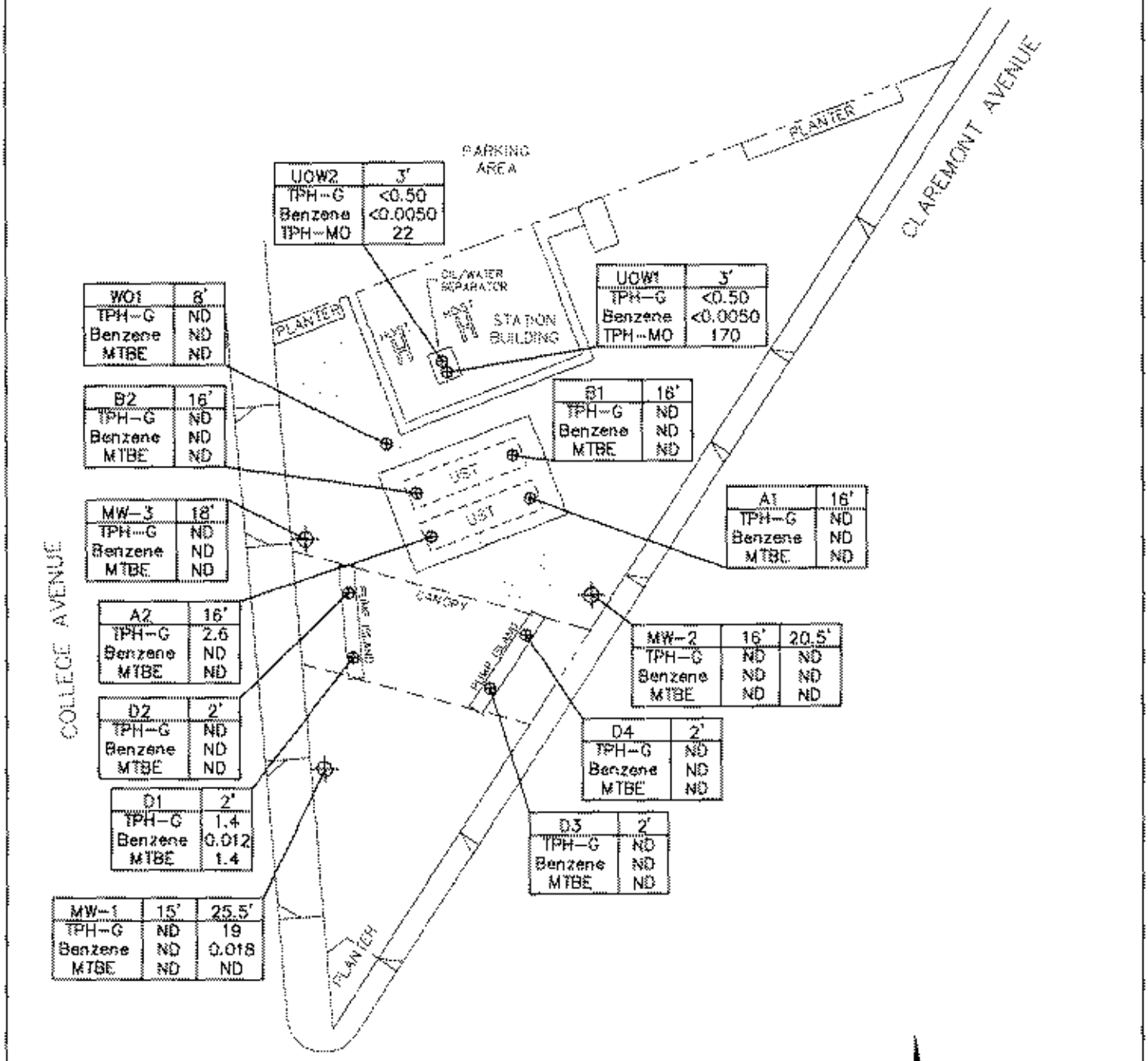
SOURCE:

United States Geological Survey
7.5 Minute Topographic Maps:
Oakland East and Oakland West
Quadrangles, California

VICINITY MAP

Tosco (76) Service Station 0018
6201 Claremont Avenue
Oakland, California

TRC | FIGURE 1



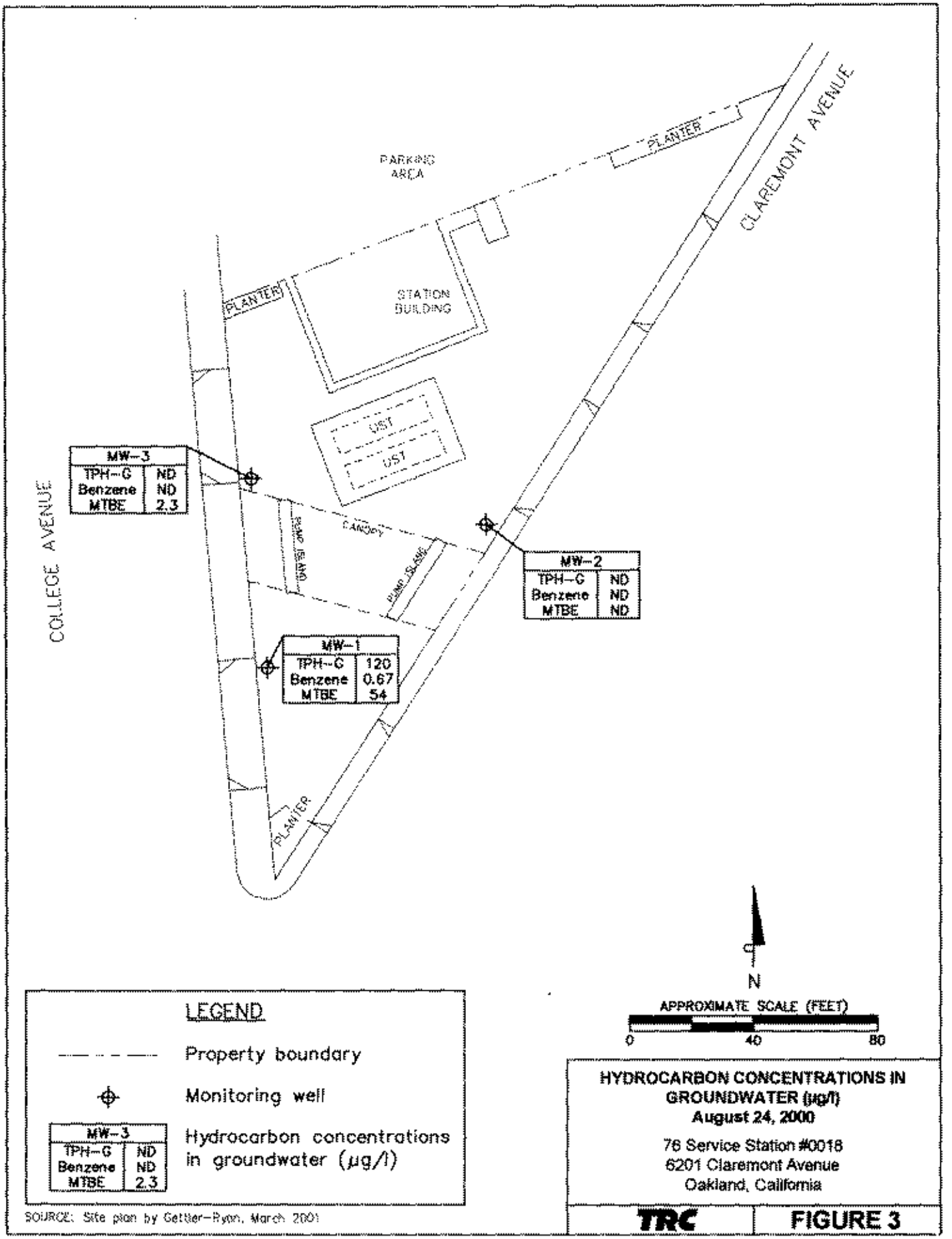
SOURCE: Site plan by Gettler-Ryan, March 2001.

HYDROCARBON CONCENTRATIONS IN SOIL (mg/kg)
June 16, 1993 - July 11, 2000

76 Service Station #0018
6201 Claremont Avenue
Oakland, California

TRC

FIGURE 2



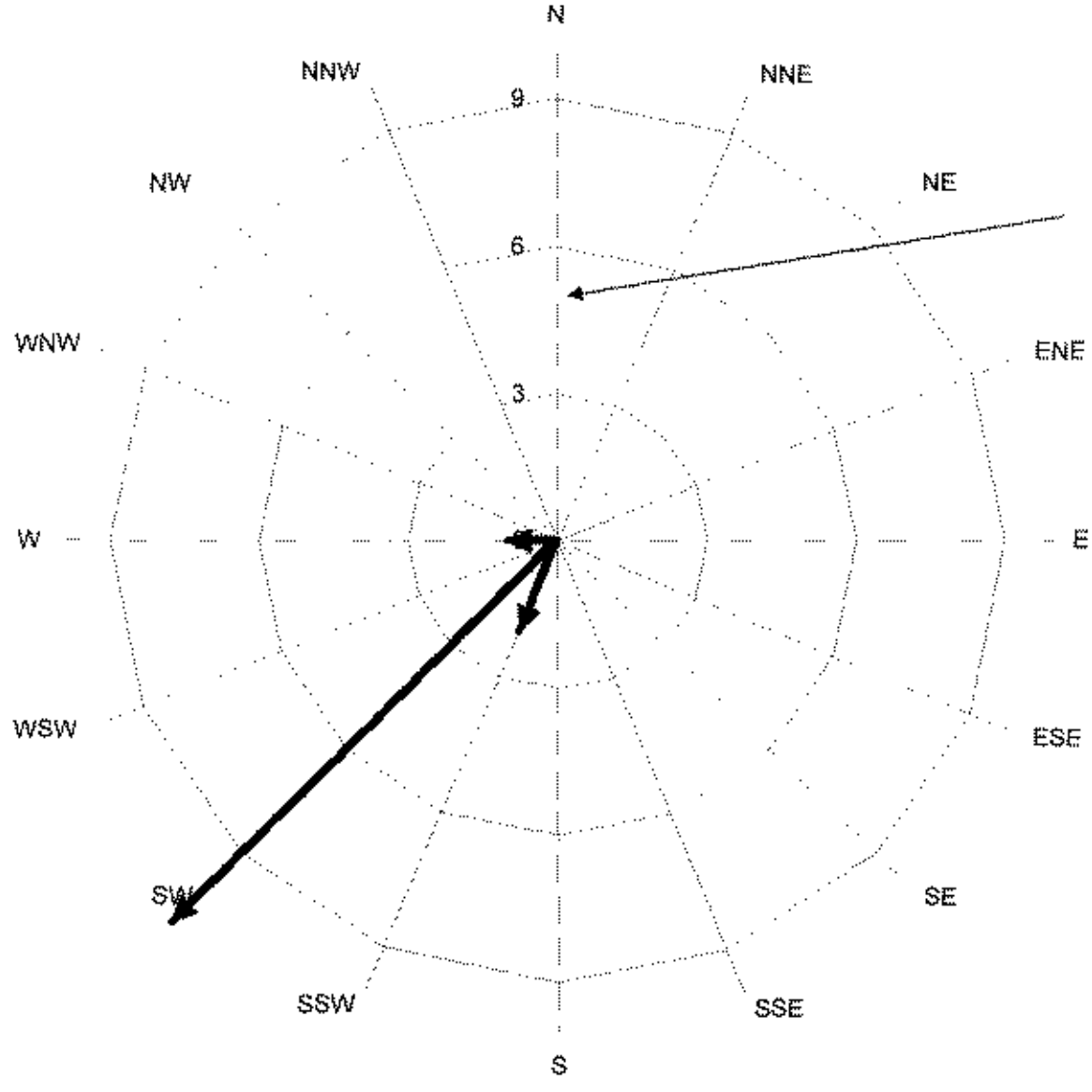
SOURCE: Site plan by Gettler-Ryan, March 2001

HYDROCARBON CONCENTRATIONS IN GROUNDWATER (µg/l)
August 24, 2000

76 Service Station #0018
6201 Claremont Avenue
Oakland, California

TRC | **FIGURE 3**

Historical Groundwater Flow Directions
for Tosco (76) Service Station No. 0018
October 2000 through September 2005



TRC

FIGURE 5

ATTACHMENT D

GEOLOGIC LOGS AND WELL COMPLETION DETAILS

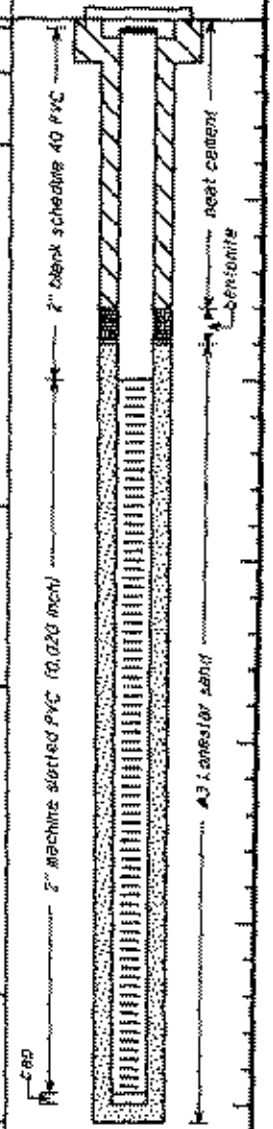
Gettler-Ryan, Inc.

Log of Boring MW-1

PROJECT: *Tosco (76) Service Station No. 0018*	LOCATION: *6201 Claremont Blvd., Oakland, California*
GR PROJECT NO.: *140061.03*	CASING ELEVATION:
DATE STARTED: *07/11/00*	WL (ft. bgs): *20.4* DATE: *07/11/00* TIME: *09:25*
DATE FINISHED: *07/11/00*	WL (ft. bgs): *18.85* DATE: *07/11/00* TIME: *14:20*
DRILLING METHOD: *8 in. Hollow Stem Auger*	TOTAL DEPTH: *30.5 feet*
DRILLING COMPANY: *Woodward Drilling*	GEOLOGIST: *Skip McIntosh*

DEPTH (feet)	PID (ppm)	BLOWS/FT. *	SAMPLE NUMBER	SAMPLE INT.	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION
						FILL	Asphalt - 3 inches thick.
							Clay, silt and gravel (fill).
						SM	SILTY SAND (SM) - dark yellowish brown (10YR 4/4), moist, medium dense; 60% sand, 30% silt, 10% gravel, roots.
5	0	24				ML	SILT WITH SAND (ML) - very dark grayish brown (10YR 3/2), moist, very stiff; 65-70% silt, 25% sand, 5-10% gravel, trace of clay.
10	0	27					At 10 feet color changes to dark yellowish brown (10YR 4/6), becomes 75% silt, 20% sand, 5% clay, trace of gravel to 5/8 inch diameter.
15	1.8	12	MW-1-15				SANDY SILT (ML) - gray green (5GY 4/1), damp to wet, stiff; 60% silt, 40% fine sand, trace of gravel to 1/2 inch diameter.
20	83	16					SILT WITH SAND (ML) - dark yellowish brown (10YR 4/6) mottled with dark olive gray (5Y 3/2), moist, stiff; 75% silt, 15% sand, 10% clay, trace of gravel.
25	118	24	MW-1-25.5				At 25 feet color changes to brownish yellow (10YR 6/8) with black streaks, becomes moist, very stiff.
30	0	18				SM	SILTY SAND (SM) - dark yellowish brown (10YR 4/4), wet, medium dense; 65% sand, 25% silt, 10% rounded gravel.
35							Bottom of boring at 30.5 feet bgs.
							(* = converted to equivalent standard penetration blows/foot.)

WELL DIAGRAM



JOB NUMBER: *140061.03*

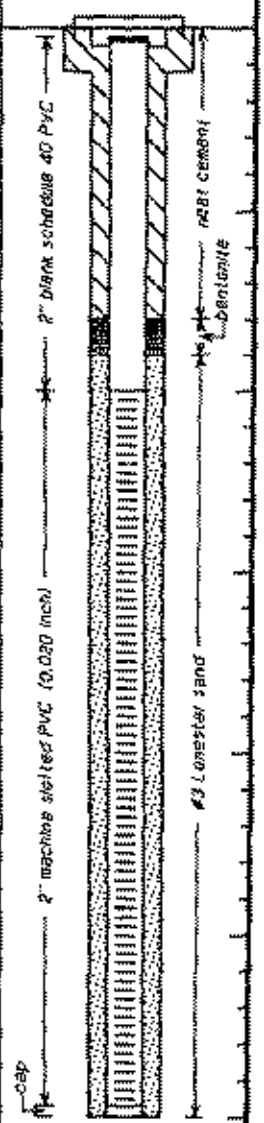
Gettler-Ryan, Inc.

Log of Boring MW-2

PROJECT: Tosco (76) Service Station No. 0018	LOCATION: 6201 Claremont Blvd., Oakland, California
GR PROJECT NO.: 140061.03	CASING ELEVATION:
DATE STARTED: 07/11/00	WL (ft. bgs): 28.5 DATE: 07/11/00 TIME: 11:30
DATE FINISHED: 07/11/00	WL (ft. bgs): 18.1 DATE: 07/11/00 TIME: 14:28
DRILLING METHOD: 8 in. Hollow Stem Auger	TOTAL DEPTH: 30 feet
DRILLING COMPANY: Woodward Drilling	GEOLOGIST: Skip McIntosh

DEPTH (feet)	PID (ppm)	BLOWS/FT. *	SAMPLE NUMBER	SAMPLE INT.	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION
						ML	Concrete – 6 inches thick. SANDY SILT (ML) – dark brown (10YR 2/2), moist, stiff; 45–50% silt, 40% sand, 10–15% gravel to 1/2 inch diameter.
5	0	21				SM	SILTY SAND (SM) – dark yellowish brown (10YR 3/4) mottled with red and light yellow brown, moist, medium dense; 60% sand, 25% silt, 15% gravel, trace of clay.
10	0	30				ML	SANDY SILT (ML) – dark yellowish brown (10YR 4/4), moist, very stiff; 60% silt, 35% sand, 5% clay, trace of gravel.
15	0	10	MW-2-16			SM	SILTY SAND WITH GRAVEL (SM) – dark yellowish brown (10YR 4/4), moist, dense; 55% sand, 35% silt, 10% gravel, trace of clay.
20	0	48	MW-2-20.5			GM	SILTY GRAVEL WITH SAND (GM) – dark yellowish brown (10YR 4/6), moist, dense; 65% gravel to 2 inch diameter, 15% silt, 15% sand, 5% clay.
25	0	54				ML	SILT WITH SAND (ML) – dark yellowish brown (10YR 4/6), moist, hard; 75% silt, 15% sand, 10% clay, trace of gravel.
						GM	WELL GRADED GRAVEL WITH SILT AND SAND (GM) – dark yellowish brown (10YR 3/6), wet, very dense; 45% gravel, 20%
30	0	15				ML	SILTY SAND (ML) – dark yellowish brown (10YR 3/6), medium dense; 70–80% sand, 15–20% silt, 10% gravel. gravelly sand lens from 29–29.5 feet. Bottom of boring at 30 feet bgs. (* = converted to equivalent standard penetration blows/foot.)
35							

WELL DIAGRAM



JOB NUMBER: 140061.03

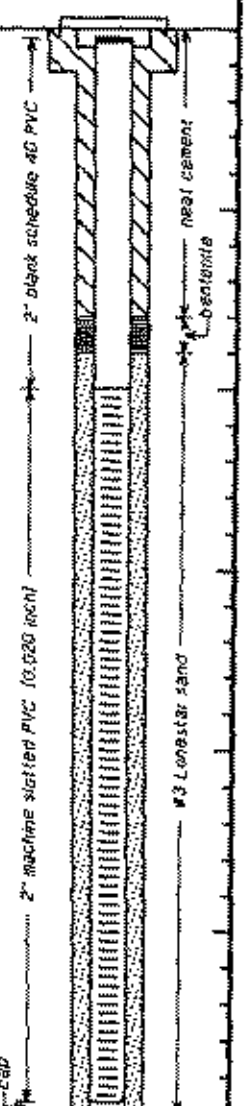
Gettler-Ryan, Inc.

Log of Boring MW-3

PROJECT: Tosco (76) Service Station No. 0018	LOCATION: 6201 Claremont Blvd., Oakland, California
GR PROJECT NO.: 1400BL03	CASING ELEVATION:
DATE STARTED: 07/11/00	WL (ft. bgs): 20 DATE: 07/11/00 TIME: 12:40
DATE FINISHED: 07/11/00	WL (ft. bgs): 17.65 DATE: 07/11/00 TIME: 14:38
DRILLING METHOD: 8 in. Hollow Stem Auger	TOTAL DEPTH: 30 feet
DRILLING COMPANY: Woodward Drilling	GEOLOGIST: Skip McIntosh

DEPTH (feet)	PID (ppm)	BLOWS/FT. *	SAMPLE NUMBER	SAMPLE INT.	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION
						FILL	Concrete ~ 3 inches thick.
							Fill.
						ML	SANDY SILT (ML) – dark brown (10YR 2/2), moist, medium stiff; 60% silt, 35% poorly sorted sand, 5% clay, trace of gravel to 3/4 inch diameter.
5	0	9					4 inch gravel lens at 6 feet; rounded clasts to 2 inches.
10	0	26					Color changes to grayish green (5G 5/2) at 9.5 feet, becomes stiff.
							Color changes to grayish green (5G 5/2) with 20% brown patches, becomes very stiff.
15	0	14					Color changes to light olive gray (5Y 6/2), becomes very moist, stiff; 70% silt, 30% sand, trace of root holes.
	0	10	MW-3-18				▼
20	0	26				SM	SILTY SAND WITH GRAVEL (SM) – dark yellowish brown (10YR 4/4) with gray green patches, very moist, medium dense; 55% sand, 30% silt, 15% gravel, roots.
							Becomes water saturated at 20 feet.
							SILTY SAND (SM) – dark yellowish brown (10YR 4/4) wet, medium dense; 65–70% sand, 30–35% silt.
25	0	40					Color changes to dark yellowish brown (10YR 4/6), dense; 65% sand, 35% silt, trace of clay.
	0	18				ML	SILT WITH SAND (ML) – brown (10YR 4/3) mottled with dark yellowish brown (10YR 4/6), wet, very stiff; 70% silt, 20% sand, 10% clay.
30							Bottom of boring at 30 feet bgs.
							(* = converted to equivalent standard penetration blows/foot.)
35							

WELL DIAGRAM



JOB NUMBER: 1400BL03