Nicole M. Arceneaux
Project Manager
Marketing Business Unit

Chevron Environmental Management Company
6101 Bollinger Canyon Road
San Ramon, CA 94583
Tel (925) 790-6912
Nicole.arceneaux@chevron.com

November 17, 2014

Alameda County Health Care Services Agency
Environmental Health Services
Environmental Protection
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

RECEIVED
By Alameda County Environmental Health at 2:56 pm, Nov 24, 2014

Re: **Unocal No. 4625 (351641)**
3070 Fruitvale Avenue, Oakland, California
ACEH Fuel Leak Case No. RO0000298
GeoTracker Global ID T0600101467

I have reviewed the attached report dated November 17, 2014.

I agree with the conclusions and recommendations presented in the referenced report. The information in this report is accurate to the best of my knowledge and all local Agency/Regional Board guidelines have been followed. This report was prepared by AECOM, upon whose assistance and advice I have relied.

This letter is submitted pursuant to the requirements of California Water Code Section 13257(b)(1) and the regulating implementation entitled Appendix A pertaining thereto.

I declare under penalty of perjury that the foregoing is true and correct to the best of my knowledge.

Sincerely,

Nicole Arceneaux
Project Manager

Attachment: *Case Closure Summary* by AECOM

AECOM
2020 L Street, Suite 400
Sacramento, CA 95811
www.aecom.com

916 414 5800 tel
916 414 5850 fax

November 17, 2014

Keith Nowell
Alameda County Health Care Services Agency
Environmental Health Services
Environmental Protection
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Subject: **Case Closure Summary**
Unocal No. 4625 (351641)
3070 Fruitvale Avenue, Oakland, California
Fuel Leak Case No. RO00000298
Geotracker Global ID # T0600102156

Dear Mr. Nowell,

On behalf of Chevron Environmental Management Company's (EMC's) affiliate, Union Oil Company of California ("Union Oil"), AECOM has prepared this Case Closure Summary for the Unocal No. 4625 site located at 3070 Fruitvale Avenue in Oakland, California.

Remarks/Signatures

The interpretations in the attached documents represent AECOM's professional opinions which are based on currently available information and are arrived at in accordance with currently accepted hydrogeologic and engineering practices at this time and location. Other than this, no warranty is implied or intended.

If you have any questions regarding this project, please contact James Harms at (916) 414-5800.

Sincerely,

James Harms
Project Manager

Jessica Law, PG No. 8840
Project Geologist
Stamped: 11/17/2014

cc: Nicole Arceneaux EMC (via electronic copy)
Mr. Kevin Ma and Mr. Arthur Yu, property owner (via paper copy)

Attachments
Attachment A Case Closure Summary

Attachment A

Case Closure Summary

CASE CLOSURE SUMMARY
LEAKING UNDERGROUND FUEL STORAGE TANK - LOCAL OVERSIGHT PROGRAM

I. AGENCY INFORMATION Date: November 17, 2014

Agency Name: Alameda County Environmental Health	Address: 1131 Harbor Bay Parkway
City/State/Zip: Alameda, CA 94502-6577	Phone: (510) 567-6764
Responsible Staff Person: Keith Nowell	Title: Hazardous Materials Specialist

II. CASE INFORMATION

Site Facility Name: Unocal No. 4625		
Site Facility Address: 3070 Fruitvale Avenue, Oakland, California		
RB Case No.: 01-2346	STiD No.	LOP Case No.: RO0000298
GeoTracker ID: T0600102156		APN: 27-860-26-3
Current Land Use: Active Fueling Station		

Responsible Parties	Addresses	Phone Numbers
Nicole M. Arceneaux Chevron Environmental Management Company	6101 Bollinger Canyon Road, Room 5119, San Ramon, California, 94583	(925) 790-6912

This Case Closure Summary along with the Case Closure Transmittal letter and the Remedial Action Completion Certification provides documentation of the case closure. This closure approval is based upon the available information and with the provision that the information provided to this agency was accurate and representative of site conditions. Additional information on the case can be viewed in the online case file. The entire case file can be viewed over the Internet on the Alameda County Environmental Health (ACEH) website (http://www.acgov.org/aceh/lop/ust.htm) or the State of California Water Resources Control Board GeoTracker website (http://geotracker.waterboards.ca.gov). Not all historic documents for the fuel leak case may be available on GeoTracker. A more complete historic case file for this site is located on the ACEH website.

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and Type of Release: Release from underground storage tank (UST) system.		
Number of monitoring wells installed: 10	Number of monitoring wells destroyed: 0	Number of monitoring wells remaining: 10
Highest Groundwater Depth Below Ground Surface: 4.8 (4.40 ft bTOC)	Lowest Depth: 14 feet (13.70 feet bTOC)	Flow Direction: Southwest
Most Sensitive Current Groundwater Use: Potential drinking water source		

Summary of Production Wells in Vicinity: One irrigation well was identified approximately 1,700 feet south-southeast of the site. No drinking water supply wells were identified within 2,000 feet of the site.	
Are drinking water wells affected? No	Aquifer Name: East Bay Plain
Is surface water affected? No	Nearest Surface Water Name: Sausal Creek is approximately 600 feet southeast of the site.

LTCP GROUNDWATER SPECIFIC CRITERIA						
LTCP Groundwater Specific Scenario under which case was closed*:* Scenario 5						
Site Data			LTCP Scenario 1 Criteria (ppb)	LTCP Scenario 2 Criteria (ppb)	LTCP Scenario 3 Criteria (ppb)	LTCP Scenario 4 Criteria (ppb)
Plume Length	170 feet		<100 feet	<250 feet	<250 feet	<1,000 feet
Free Product	No free product		No free product	No free product	Removed to maximum extent practicable	No free product
Plume Stable or Decreasing	Stable or Decreasing		Stable or decreasing	Stable or decreasing	Stable or decreasing for minimum of 5 Years	Stable or decreasing
Distance to Nearest Water Supply Well	Nearest well (irrigation well) is 1,700 feet.		>250 feet	>1,000 feet	>1,000 feet	>1,000 feet
Distance to Nearest Surface Water and Direction	600 feet downgradient		>250 feet	>1,000 feet	>1,000 feet	>1,000 feet
Property Owner Willing to Accept a Land Use Restriction?	Not applicable for groundwater specific criteria		Not applicable	Not applicable	Yes	Not applicable
GROUNDWATER CONCENTRATIONS						
Constituent	Historic Site Maximum (ppb)	Current Site Maximum (ppb)	LTCP Scenario 1 Criteria (ppb)	LTCP Scenario 2 Criteria (ppb)	LTCP Scenario 3 Criteria (ppb)	LTCP Scenario 4 Criteria (ppb)
Benzene	2,600	7.4	No criteria	3,000	No criteria	1,000
MTBE	1,500	14	No criteria	1,000	No criteria	1,000
TPH-d *TPH-g* *Toluene* *Ethylbenzene* *Total Xylenes*	93 53,000 2,300 2,000 7,600	<5.0 300 1.8 24 5.1	No criteria	No criteria	No criteria	No criteria
Scenario 5: If the site does not meet scenarios 1 through 4, has a determination been made that under current and reasonably expected future scenarios, the contaminant plume poses a low threat to human health and safety and to the environment and water quality objectives will be achieved within a reasonable time frame?				Yes, see section V, Additional Comments.		

LTCP VAPOR SPECIFIC CRITERIA							
LTCP Vapor Specific Scenario under which case was closed*:* Active fueling station exempt from vapor specific criteria.							
Active Fueling Station	Active as of 11/17/2014.						
Site Data		LTCP Scenario 1 Criteria	LTCP Scenario 2 Criteria	LTCP Scenario 3A Criteria	LTCP Scenario 3B Criteria	LTCP Scenario 3C Criteria	LTCP Scenario 4 Criteria
Unweathered NAPL	No NAPL	LNAPL in groundwater	LNAPL in soil	No NAPL	No NAPL	No NAPL	No criteria
Thickness of Bioattenuation Zone Beneath Foundation	> 5 feet	≥30 feet	≥30 feet	≥5 feet	≥10 feet	≥5 feet	≥5 feet
Total TPH in Bioattenuation Zone	> 100 ppm	<100 ppm	<100 ppm	<100 ppm	<100 ppm	<100 ppm	<100 ppm
Maximum Current Benzene Concentration in Groundwater	< 7.4 ppb	No criteria	No criteria	<100 ppb	≥100 and <1,000 ppb	<1,000 ppb	No criteria
Oxygen Data within Bioattenuation Zone	No oxygen data	No criteria	No criteria	No oxygen data or <4%	No oxygen data or <4%	≥4% at lower end of zone	≥4% at lower end of zone
Depth of soil vapor measurement beneath foundation	Not Measured	No criteria	No criteria	No criteria	No criteria	No criteria	≥5 feet

SCENARIO 4 DIRECT MEASUREMENT OF SOIL VAPOR CONCENTRATIONS						
Site Soil Vapor Data			No Bioattenuation Zone		Bioattenuation Zone	
Constituent	Historic Maximum ($\mu g/m^3$)	Current Maximum ($\mu g/m^3$)	Residential	Commercial	Residential	Commercial
Benzene	----	----	<85	<280	<85,000	<280,000
Ethylbenzene	----	----	<1,100	<3,600	<1,100,000	<3,600,000
Naphthalene	----	----	<93	<310	<93,000	<310,000
If the site does not meet scenarios 1 through 4, does a site-specific risk assessment for the vapor intrusion pathway demonstrate that human health is protected?				----		
If the site does not meet scenarios 1 through 4, has a determination been made that petroleum vapors from soil or groundwater will have no significant risk of adversely affecting human health as a result of controlling exposure through the use of mitigation measures or through the use of institutional controls?				----		

LTCP DIRECT CONTACT AND OUTDOOR AIR EXPOSURE CRITERIA						
LTCP Direct Contact and Outdoor Air Exposure Specific Scenario under which case was closed: *A determination has been made that the concentrations of petroleum in soil will have no significant risk of adversely affecting human health as a result of controlling exposure through the use of mitigation measures or through the use of institutional controls.*						
Are maximum concentrations less than those in Table 1 below?				No		
Constituent		Residential		Commercial/Industrial		Utility Worker
		0 to 5 feet bgs (ppm)	Volatilization to outdoor air (5 to 10 feet bgs) ppm	0 to 5 feet bgs (ppm)	Volatilization to outdoor air (5 to 10 feet bgs) ppm	0 to 10 feet bgs (ppm)
Site Maximum	Benzene	0.67	17	0.67	17	17
LTCP Criteria	Benzene	≤1.9	≤2.8	≤8.2	≤12	≤14
Site Maximum	Ethylbenzene	11	47	11	47	47
LTCP Criteria	Ethylbenzene	≤21	≤32	≤89	≤134	≤314
Site Maximum	Naphthalene	----	2.2	----	2.2	2.2
LTCP Criteria	Naphthalene	≤9.7	≤9.7	≤45	≤45	≤219
Site Maximum	PAHs	----	<0.50	----	<0.50	<0.50
LTCP Criteria	PAHs	≤0.063	NA	≤0.68	NA	≤4.5
If maximum concentrations are greater than those in Table 1, are they less than levels from a site-specific risk assessment?				----		
If maximum concentrations are greater than those in Table 1, has a determination been made that the concentrations of petroleum in soil will have no significant risk of adversely affecting human health as a result of controlling exposure through the use of mitigation measures or through the use of institutional controls?				Yes, see section IV, Site Management Requirements		

IV. CLOSURE

Does corrective action protect public health for current land use? Alameda County Environmental Health staff does not make specific determinations concerning public health risk. However, based upon the information available in our files to date, closure of this site appears to be consistent with the policies established by the State Water Resources Control Board Low-Threat Underground Storage Tank Closure Policy which became effective on August 17, 2012.

Site Management Requirements:

1) VAPOR ISSUE

This fuel leak case has been evaluated for closure consistent with the State Water Resource Control Board Low-Threat Underground Storage Tank Closure Policy (LTCP). Total TPH concentrations in soil on-site do not create a bioattentuation as defined in the LTCP. However, total TPH concentrations in soil off-site do create a sufficient bioattenuation zone as defined in the LTCP. Under the current land use as an active fueling station, the site is not required to meet media-specific criteria for vapor intrusion to indoor air. Therefore, case closure is granted for the current commercial land use as an active fueling station.

If a change in land use to any residential, commercial other than as a commercial fueling station, or conservative land use, or if any redevelopment occurs, Alameda County Environmental health (ACEH) must be notified as required by Government Code Section 65850.2.2. Due to the potential for vapor intrusion to indoor air for future buildings, ACEH will re-evaluate the case upon receipt of approved development/construction plans.

Excavation or construction activities in areas of residual contamination require planning and implementation of appropriate health and safety procedures by the responsible party prior to and during excavation and construction activities.

This site is to be entered into the City of Oakland Permit Tracking System due to the residual contamination on site.

2) DIRECT CONTACT ISSUE _ SITE DOES NOT MEET COMMERCIAL AND RESIDENTIAL

This fuel leak case has been evaluated for closure consistent with the State Water Resource Control Board Low-Threat Underground Storage Tank Closure Policy (LTCP). Benzene concentrations in soil on-site exceed the LTCP criteria from 5-10 feet for residential and commercial volatilization to outdoor air, as well as, for utility worker exposure. However, benzene concentrations in soil off-site meet the LTCP for direct contact and outdoor air exposure criteria. Under the current land use as an active fueling station, most of the site is paved with minor landscaped areas near the site boundaries resulting in a low potential for direct contact exposure under the current land use. Therefore, case closure is granted for the current commercial land use as an active fueling station.

If a change in land use to any residential, commercial other than as a commercial fueling station, or conservative land use, or if any redevelopment occurs, Alameda County Environmental health (ACEH) must be notified as required by Government Code Section 65850.2.2. Due to the potential for vapor intrusion to indoor air for future buildings, ACEH will re-evaluate the case upon receipt of approved development/construction plans.

Excavation or construction activities in areas of residual contamination require planning and implementation of appropriate health and safety procedures by the responsible party prior to and during excavation and construction activities.

This site is to be entered into the City of Oakland Permit Tracking System due to the residual contamination on site.

3) DIRECT CONTACT ISSUE – SITE MEETS COMMERCIAL BUT NOT RESIDENTIAL

This fuel leak case has been evaluated for closure consistent with the State Water Resource Control Board Low-Threat Underground Storage Tank Closure Policy (LTCP). Ethylbenzene concentrations in soil on-site

exceeds the residential volatilization to outdoor air screening criterial from 5-10 feet. However, ethylbenzene concentrations in soil off-site meet the LTCP for direct contact and outdoor air exposure. Under the current land use as an active fueling station, most of the site is paved with minor landscaped areas near the site boundaries resulting in a low potential for direct contact exposure under the current land use. Therefore, case closure is granted for the current commercial land use as an active fueling station. If a change in land use to any residential, or conservative land use, or if any redevelopment occurs, Alameda County Environmental health (ACEH) must be notified as required by Government Code Section 65850.2.2. ACEH will re-evaluate the case upon receipt of approved development/construction plans. Excavation or construction activities in areas of residual contamination require planning and implementation of appropriate health and safety procedures by the responsible party prior to and during excavation and construction activities. This site is to be entered into the City of Oakland Permit Tracking System due to the residual contamination on site.
Should corrective action be reviewed if land use changes? Yes

Was a deed restriction or deed notification filed? No	Date Recorded: ----

V. ADDITIONAL COMMENTS AND CONCLUSION

Additional Comments:

Scenario 5 for Groundwater Criteria: The site does not meet Scenario 2 only because of the distance to the nearest surface water. All site monitoring wells between the source and the surface water body are non-detect for all analyses.

Conclusion:

LAND USE RESTRICTIONS

Alameda County Environmental Health staff believe that the site meets the conditions for case closure under the State Water Resources Control Board Low-Threat Underground Storage Tank Closure Policy. Based upon the information available in our files to date, no further investigation or cleanup for the fuel leak case is necessary at this time. However, as specified in the Site Management Requirements, re-evaluation of this case is required if land uses changes to any residential or other conservative land use, or any redevelopment occurs.

VI. LOCAL AGENCY REPRESENTATIVE DATA

Prepared by: Keith Nowell	Title: Hazardous Materials Specialist
Signature:	Date:
Approved by: Dilan Roe	Title: LOP and SCP Program Manager
Signature:	Date:

VII. REGIONAL BOARD AND PUBLIC NOTIFICATION

Regional Board Staff Name: Cherie McCaulou	Title: Engineering Geologist
Regional Board Notification Date:	
Public Notification Date:	

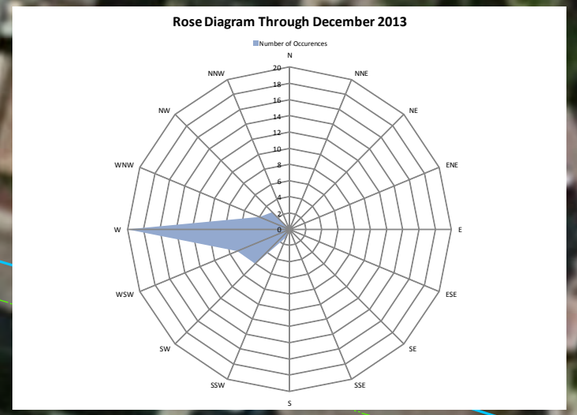
VIII. MONITORING WELL DESTRUCTION

Date Requested by ACEH: ---	Date of Well Decommissioning Report: ---	
All Monitoring Wells Destroyed: No	Number Destroyed: 0	Number Retained: 10
Reason Wells Retained: Well Destruction Approval no yet granted		
Additional requirements for submittal of groundwater data from retained wells: ----		
ACEH Concurrence - Signature:		Date:

Attachments:

1. Site Vicinity Map and Aerial Photo (2 pp)
2. Site Plan (1 p)
3. Groundwater Contour and Chemical Concentration Maps (2 pp)
4. Soil Analytical Data (6 pp)
5. Groundwater Analytical Data (30 pp)
6. Cross Sections (2 pp)
7. Concentration Graphs (3 pp)
8. Boring Logs (19 pp)
9. List of Landowners Form (1 pp)

1. Site Vicinity Map and Aerial Photo (2pp)



Sausal Creek - 600 feet
EBMUD Reservoir 1,250 feet

Eden Manor

CPT-3
CPT-4
CPT-5
CPT-6
CPT-7
CPT-1
CPT-2
USTW
SB-1
SB-2
MW-1
MW-2
MW-3
MW-4
MW-5
MW-6
MW-7
MW-8
MW-9

Maximum Benzene Plume Length from LTC Justification Paper

90th Percentile Benzene Plume Length from LTC Justification Paper

Average Benzene Plume Length from LTC Justification Paper

Area of Potential Benzene Plume Migration from LTC Justification Paper and Historic Flow Direction

2625
2631
2635
2641
2649
3039
3035

Dimond House Apartments

Upper Peralta Creek - 2,500 feet
Irrigation well - 1,700 feet

Legend

- 2006 CPT Locations
- Confirmation Samples
- Monitoring Wells
- Soil Borings
- UST Well
- Electric Line
- Water Line
- Sanitary Sewer Line
- Stormwater System
- Sanitary Sewer System
- Excavation
- Product Lines
- Underground Storage Tanks (USTs)
- Current Waste Oil Tank
- Former Waste Oil UST
- Estimated Plume
- Source Area

Map Source: ESRI Data Resource Center 2013.

AECOM
2020 L Street
Sacramento, CA 95811
916.361.6400

N

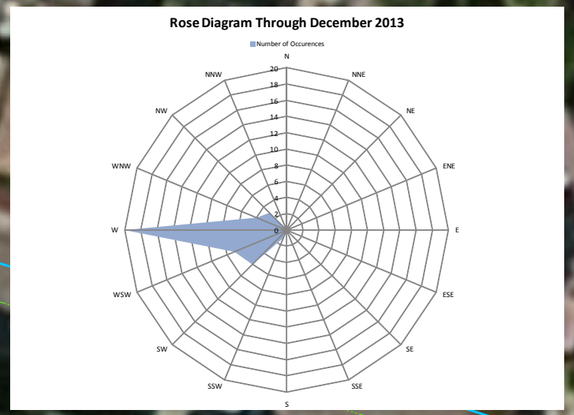
0 20 40 80 Feet

RO298, Unocal No.4625 (351641)
3070 Fruitvale Boulevard
Oakland, California

DATE: 6/9/14 | DRWN: JH | Revision: 1

Site Receptors and Benzene Plume

Figure 7



Sausal Creek - 600 feet
EBMUD Reservoir 1,250 feet

90th Percentile MTBE
Plume Length from
LTC Justification Paper

Average MTBE
Plume Length from
LTC Justification Paper

Area of Potential
Plume Migration from
LTC Justification Paper
and Historic Flow Direction

Eden Manor

Dimond House Apartments

Upper Peralta Creek - 2,500 feet
Irrigation well - 1,700 feet

CPT-3
CPT-4
CPT-5
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CPT-7
CPT-1
CPT-2
USTW
SB-1
SB-2
MW-1
MW-2
MW-3
MW-4
MW-5
MW-6
MW-7
MW-8
MW-9

Legend

- 2006 CPT Locations
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- Soil Borings
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- Electric Line
- Water Line
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- Sanitary Sewer System
- Excavation
- Product Lines
- Underground Storage Tanks (USTs)
- Current Waste Oil Tank
- Former Waste Oil UST
- Estimated Plume
- Source Area

Map Source: ESRI Data Resource Center 2013.

AECOM
2020 L Street
Sacramento, CA 95811
916.361.6400

N

0 20 40 80 Feet

RO298, Unocal No.4625 (351641)
3070 Fruitvale Boulevard
Oakland, California

DATE:9/9/13 | DRWN: JH | Revision: 0

Site Receptors and Plume

Figure 6

Path: \\wsscr1fs001\prod\Projects\ENV\01231-Chevron\76Products transfer sites\351641 4625 Oakland\7.0 Deliverables\7.2 CAD\GIS\351641 plume-receptors.mxd

2. Site Plan (1p)

SCHOOL STREET

FRUITVALE AVENUE

DRIVEWAY

DRIVEWAY

DRIVEWAY

DRIVEWAY

PLANTER

PLANTER

PLANTER

PLANTER

LIMIT OF EXCAVATION

CURRENT AND FORMER GASOLINE USTs

USTW

UST

UST

UX-3-8.5

UX-4-8.5

UX-2-8.5

UX-1-8.5

CPT-1

B-2

B-1

CANOPY

DISPENSER ISLAND (TYP.)

UT-2-4

UT-1-4

UT-7-4

UT-8-4

UT-5-4

UT-6-4

UT-4-4

UT-3-4

MW-2

MW-6

MW-7

MW-5

CPT-2

CANOPY

STATION BUILDING

FORMER WASTE OIL UST

UW-1-8.5

UWT-1-2

MW-3

FORMER WASTE OIL UST REMOTE FILL LINE

CURRENT WASTE OIL AST

MW-1

MW-4

SS Line

Water Line

APARTMENTS

EN MANOR

CPT-3

CPT-4

MW-9

CPT-5

CPT-6

MW-8

CPT-7

ET

Notes:
UST = Underground Storage Tank
AST = Aboveground Storage Tank

0 50'
APPROXIMATE SCALE IN FEET

N

LEGEND:

- MW-7 — MONITORING WELL
- USTW — CONDUCTOR CASED WELL
- CPT-1 — 2006 CONE PENETROMETER SAMPLE
- B-2 — 2002 SOIL BORING
- UX-3-8.5 — 1998 CONFIRMATION SOIL SAMPLE
- —x— FENCE
- PRODUCT LINE
- UNDERGROUND SANITARY SEWER UTILITY
- UNDERGROUND WATER UTILITY

REVISIONS

NO.:	DESCRIPTION:	DATE:	BY:

DESIGNED BY:
DRAWN BY: JMB
CHECKED BY: JH
APPROVED BY: JH

AECOM
10461 OLD PLACERVILLE ROAD SUITE 170
SACRAMENTO, CALIFORNIA 95827
PHONE: (916) 361-6400
FAX: (916) 361-6401
WEB: HTTP://WWW.AECOM.COM

SITE PLAN

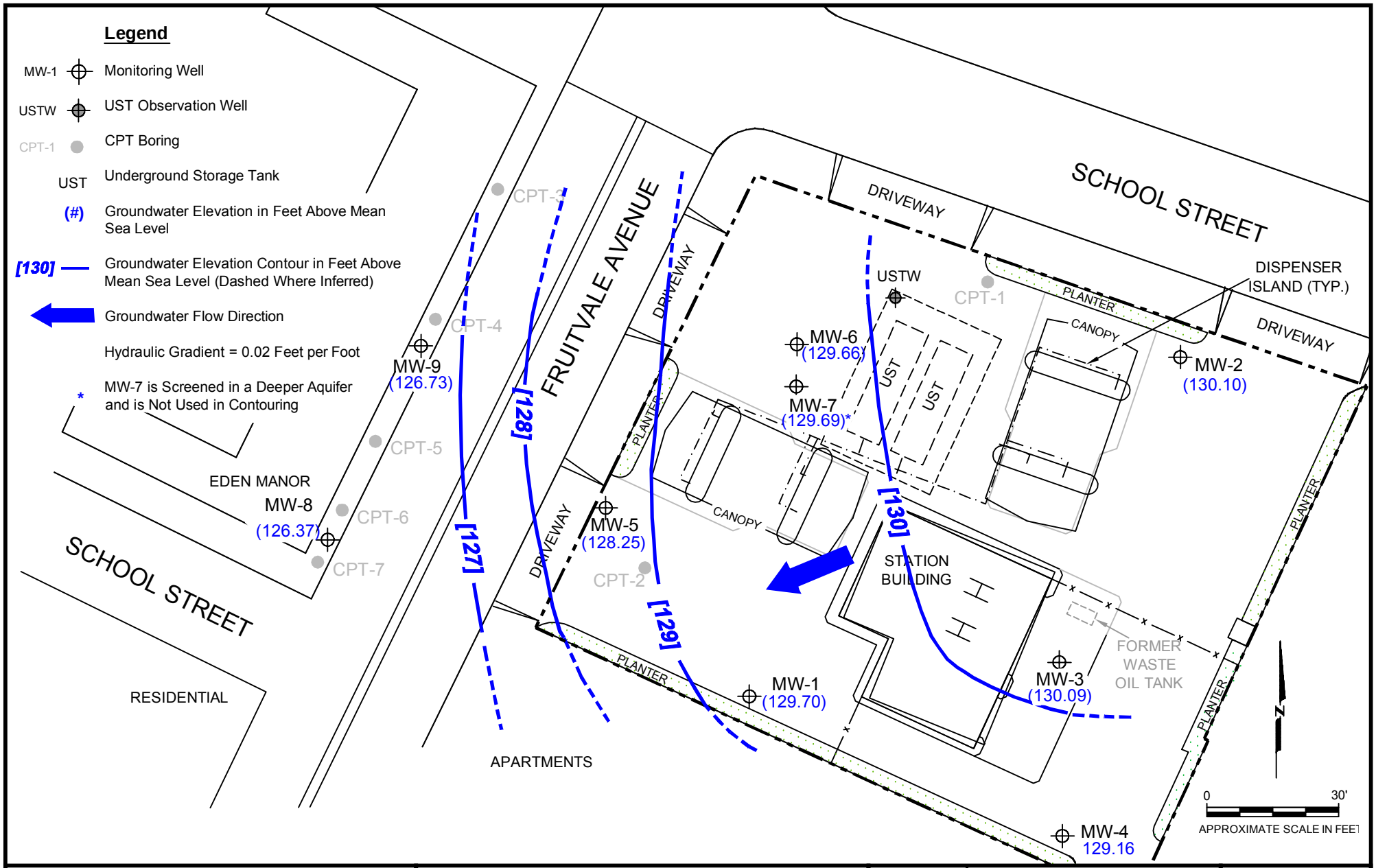
Former Unocal Service Station #4625 (351641)
3070 Fruitvale Avenue, Oakland, California

PROJECT NUMBER: 60284062
DATE: 06/13/2013
SCALE: 1" = 30'

FIGURE NUMBER:

2

3. Groundwater Contour and Chemical Concentration Maps (2pp)



GROUNDWATER ELEVATION CONTOUR MAP
Second Semi-Annual 2013

Unocal No. 4625 (351641)
3070 Fruitvale Avenue, Oakland, California

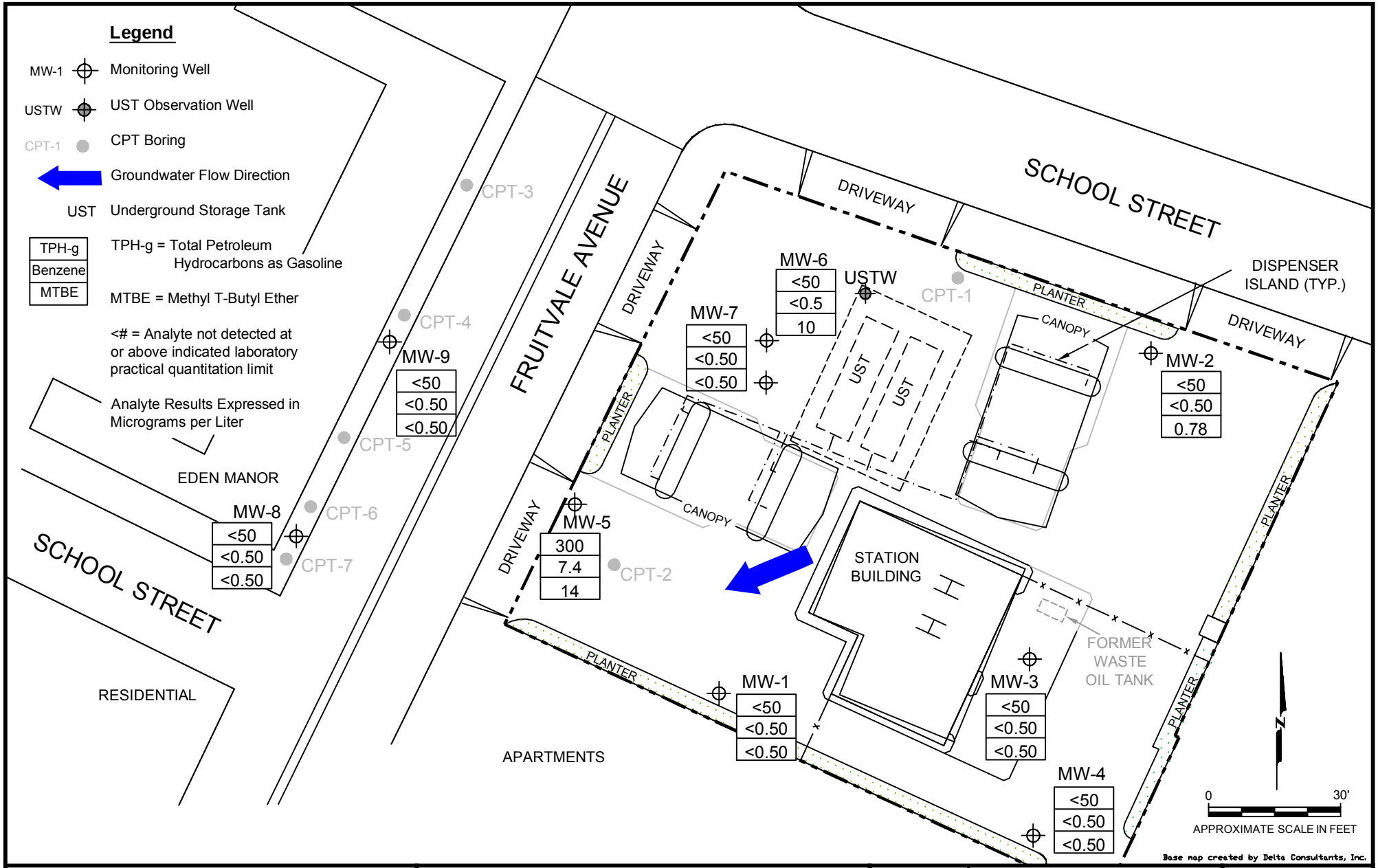
SCALE:	DATE:	PROJECT NUMBER:
1" = 30'	01/15/2014	60284062

AECOM
2020 L Street, suite 400
SACRAMENTO, CALIFORNIA 95811
PHONE: (916) 414-5800
FAX: (916) 414-5850
WEB: HTTP://WWW.AECOM.COM

DESIGNED BY:	
DRAWN BY:	JH
CHECKED BY:	JL
APPROVED BY:	JH

REVISIONS			
NO.:	DESCRIPTION:	DATE:	BY:
1	PG Edits	1/20	JH

FIGURE NUMBER:
2



GROUNDWATER CONCENTRATION MAP

Second Semi-Annual 2013

Unocal No. 4625 (351641)

3070 Fruitvale Avenue, Oakland, California

SCALE:	DATE:	PROJECT NUMBER:
1" = 30'	01/15/2014	60284062

AECOM
2020 L Street, suite 400
SACRAMENTO, CALIFORNIA 95811
PHONE: (916) 414-5800
FAX: (916) 414-5850
WEB: HTTP://WWW.AECOM.COM

DESIGNED BY:	
DRAWN BY:	JH
CHECKED BY:	JL
APPROVED BY:	JH

REVISIONS			
NO.:	DESCRIPTION:	DATE:	BY:

FIGURE NUMBER: 3

4. Soil Analytical Data (6pp)

Table 1 - Soil Sample Analytical Results

Tosco (Unocal) Service Station No. 4625
3070 Fruitvale Avenue
Oakland, California

Sample Location and ID	Date Collected	Sample Depth (feet)	TPHg (ppm)	Benzene (ppm)	Toluene (ppm)	Ethyl-Benzene (ppm)	Xylenes (ppm)	MTBE by 8020 (ppm)	TPHd (ppm)	O&G (ppm)	VOCs (ppb)	SVOCs (ppb)
UST Complex Excavation												
UX-1-8.5	4/23/98	8.5	44[1]	0.16	0.1	ND*	ND*	0.23	--	--	--	--
UX-2-8.5	4/23/98	8.5	1100	13	76	22	120	8.2	--	--	--	--
UX-3-8.5	4/23/98	8.5	1700	17	120	47	240	16	--	--	--	--
UX-4-8.5	4/23/98	8.5	1400	7.3	75	39	210	ND*	--	--	--	--
Product Lines And Overexcavation												
UT-1-4	5/8/98	4	660	5.1	35	11	65	150	--	--	--	--
UT-1-8	5/8/98	8	910	3.8	38	15	96	69	--	--	--	--
UT-2-4	5/8/98	4	220[1]	0.67	ND*	0.56	3.5	1.4	--	--	--	--
UT-3-4	5/8/98	4	13[1]	0.029	0.015	0.030	0.17	0.071	--	--	--	--
UT-4-4	5/8/98	4	8.1[1]	0.042	0.0050	0.020	0.050	0.075	--	--	--	--
UT-5-4	5/8/98	4	4.2	0.27	0.0059	0.0077	0.0094	0.30	--	--	--	--
UT-6-4	5/8/98	4	3.0[1]	0.013	0.0057	0.0062	0.047	1.0	--	--	--	--
UT-7-4	5/8/98	4	140[1]	ND*	1.8	2.0	13	ND*	--	--	--	--
UT-8-4	5/8/98	4	ND	ND	ND	ND	ND	0.70	--	--	--	--
Waste Oil UST Excavation												
UW-1-8.5	4/23/98	8.5	820	2.7	38	22	120	1.4	200[2]	56	(1)	(1)
Waste Oil UST Remote Fill Line												
UWT-1-2	5/8/98	2	ND	ND	ND	ND	ND	ND	1.5[2]	ND	ND	ND

Sample Excavated

Sample ID	Date Collected	Depth (feet)	Cadmium (ppm)	Chromium (ppm)	Lead (ppm)	Nickel (ppm)	Zinc (ppm)
Waste Oil UST Excavation							
UW-1-8.5	4/23/98	8.5	ND	700	ND	1400	22
Waste Oil UST Remote Fill Line							
UWT-1-2	5/8/98	2	ND	46	9.1	61	56

Sequoia Analytical

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Gettler Ryan/Geostrategies	Client Proj. ID: Unocal 4625, Oakland	Sampled: 04/23/98
6747 Sierra Court Suite J	Sample Descript: UW-1-8.5	Received: 04/24/98
Dublin, CA 94568	Matrix: SOLID	Extracted: 04/29/98
	Analysis Method: EPA 8270	Analyzed: 04/30/98
Attention: Clyde Galantine	Lab Number: 9804H11-01	Reported: 05/07/98

QC Batch Number: MS0429988270EXA
Instrument ID: H5

Semivolatile Organics (EPA 8270)

Analyte	Detection Limit ug/Kg	Sample Results ug/Kg
Acenaphthene	250	N.D.
Acenaphthylene	250	N.D.
Anthracene	250	N.D.
Benzoic Acid	500	N.D.
Benzo(a)anthracene	250	N.D.
Benzo(b)fluoranthene	250	N.D.
Benzo(k)fluoranthene	250	N.D.
Benzo(g,h,i)perylene	250	N.D.
Benzo(a)pyrene	250	N.D.
Benzyl alcohol	250	N.D.
Bis(2-chloroethoxy)methane	250	N.D.
Bis(2-chloroethyl)ether	250	N.D.
Bis(2-chloroisopropyl)ether	250	N.D.
Bis(2-ethylhexyl)phthalate	500	N.D.
4-Bromophenyl phenyl ether	250	N.D.
Butyl benzyl phthalate	250	N.D.
4-Chloroaniline	500	N.D.
2-Chloronaphthalene	250	N.D.
4-Chloro-3-methylphenol	250	N.D.
2-Chlorophenol	250	N.D.
4-Chlorophenyl phenyl ether	250	N.D.
Chrysene	250	N.D.
Dibenzo(a,h)anthracene	250	N.D.
Dibenzofuran	250	N.D.
Di-n-butyl phthalate	500	N.D.
1,2-Dichlorobenzene	250	N.D.
1,3-Dichlorobenzene	250	N.D.
1,4-Dichlorobenzene	250	N.D.
3,3'-Dichlorobenzidine	500	N.D.
2,4-Dichlorophenol	250	N.D.
Diethyl phthalate	250	N.D.
2,4-Dimethylphenol	250	N.D.
Dimethyl phthalate	250	N.D.
4,6-Dinitro-2-methylphenol	500	N.D.
2,4-Dinitrophenol	500	N.D.
2,4-Dinitrotoluene	250	N.D.
2,6-Dinitrotoluene	250	N.D.
Di-n-octyl phthalate	250	N.D.
Fluoranthene	250	N.D.

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Gettler Ryan/Geostrategies	Client Proj. ID: Unocal 4625, Oakland	Sampled: 04/23/98
6747 Sierra Court Suite J	Sample Descript: UW-1-8.5	Received: 04/24/98
Dublin, CA 94568	Matrix: SOLID	Extracted: 04/29/98
	Analysis Method: EPA 8270	Analyzed: 04/30/98
Attention: Clyde Galantine	Lab Number: 9804H11-01	Reported: 05/07/98

QC Batch Number: MS0429988270EXA
Instrument ID: H5

Analyte	Detection Limit ug/Kg	Sample Results ug/Kg
Fluorene	250	N.D.
Hexachlorobenzene	250	N.D.
Hexachlorobutadiene	250	N.D.
Hexachlorocyclopentadiene	500	N.D.
Hexachloroethane	250	N.D.
Indeno(1,2,3-cd)pyrene	250	N.D.
Isophorone	250	N.D.
2-Methylnaphthalene	**250**	**2100**
2-Methylphenol	250	N.D.
4-Methylphenol	250	N.D.
Naphthalene	**250**	**2200**
2-Nitroaniline	500	N.D.
3-Nitroaniline	500	N.D.
4-Nitroaniline	500	N.D.
Nitrobenzene	250	N.D.
2-Nitrophenol	250	N.D.
4-Nitrophenol	500	N.D.
N-Nitrosodiphenylamine	250	N.D.
N-Nitroso-di-n-propylamine	250	N.D.
Pentachlorophenol	500	N.D.
Phenanthrene	250	N.D.
Phenol	250	N.D.
Pyrene	250	N.D.
1,2,4-Trichlorobenzene	250	N.D.
2,4,5-Trichlorophenol	500	N.D.
2,4,6-Trichlorophenol	250	N.D.

Surrogates	Control Limits %		% Recovery
2-Fluorophenol	25	121	61
Phenol-d5	24	113	63
Nitrobenzene-d5	23	120	60
2-Fluorobiphenyl	30	115	64
2,4,6-Tribromophenol	19	122	60
p-Terphenyl-d14	18	137	70

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Mike Gregory
Project Manager

TABLE 2 - SOIL CHEMICAL ANALYTICAL DATA

Tosco (76) Service Station No. 4625
3070 Fruitvale Avenue
Oakland, California

Sample No.	Sample Depth (feet)	Date Collected	TPHg (ppm)	TPHd (ppm)	Benzene (ppm)	Toluene (ppm)	Ethyl-benzene (ppm)	Total Xylenes (ppm)	MTBE (ppm)	8240 (ppm)	8270 (ppm)	TRPH (ppm)	Total Chromium (ppm)	Total Lead (ppm)
MW-1-10	10	4/25/00	ND	NA	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA
MW-2-10	10	4/25/00	1,600	NA	5.1	3.0	54	54	ND	NA	NA	NA	NA	NA
MW-2-25	25	4/25/00	ND	NA	ND	0.0061	0.012	0.038	ND	NA	NA	NA	NA	
MW-3-10	10	4/25/00	79	8.4 [1]	0.031	0.24	0.73	0.48	ND	ND	ND	140	48	NA
MW-3-25	25	4/25/00	ND	1.3 [2]	ND	ND	ND	ND	ND	NA	NA	NA	NA	
MW-4-10	10	4/26/00	ND	1.3 [2]	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA
Stockpile														
SS-1	--	4/26/00	56	3.1	0.11	0.26	1.1	4.0	ND	ND[3]	ND	180	78 [4]	11

EXPLANATION:

ppm = parts per million
ND = not detected
NA = not analyzed
-- = not applicable
1 = laboratory reports unidentified hydrocarbons < C16
2 = laboratory reports unidentified hydrocarbons > C16
3 = no 8240 compounds detected other than toluene (1.2 ppm), ethylbenzene (4.4 ppm) and total xylenes (17 ppm).
4 = other metals analyzed include nickel (130 ppm), zinc (56 ppm) and cadmium (ND)

ANALYTICAL LABORATORY:

Sequoia Analytical Walnut Creek (ELAP #1271)
(see laboratory reports for detection limits)

ANALYTICAL METHODS:

TPHg = Total Petroleum Hydrocarbons as gasoline according to EPA Method 8015 Modified
TPHd = Total Petroleum Hydrocarbons as diesel according to EPA Method 8015 Modified
Benzene, Toluene, Ethylbenzene, and Total Xylenes according to EPA Method 8020
MTBE = Methyl tertiary butyl ether according to EPA Method 8020
8240 = Volatile Organic Compounds according to EPA Method 8240B
8270 = Semi-Volatile Organic Compounds according to EPA Method 8270B
TRPH = Total recoverable petroleum hydrocarbons according to EPA Method 5520
Total Chromium and other metals according to EPA Method 6010
Total Lead according to EPA Method 6010

TABLE 2- SOIL CHEMICAL ANALYTICAL DATA
Tosco (76) Service Station No. 4625
3070 Fruitvale Avenue
Oakland, California

Sample Location and ID	Date Sampled	Sample Depth (feet)	TPHg (ppm)	Benzene (ppm)	Toluene (ppm)	Ethyl-benzene (ppm)	Xylenes (ppm)	MtBE (ppm)	TBA (ppm)	DIPE (ppm)	ETBE (ppm)	TAME (ppm)	1,2-DCA (ppm)	EDB (ppm)	Ethanol (ppm)	Lead (ppm)
Soil Borings																
B-1																
B-1-S(8)	11/20/02	8	<2.5	0.022	<0.012	<0.012	<0.012	0.93[1]	0.42	<0.012	<0.012	<0.012	<0.012	<0.012	<0.50	NA
B-2																
B-2-S(11)	11/20/02	11	1,300	11	81	45	220	<1.2	<12	<1.2	<1.2	<1.2	<1.2	<1.2	<50	NA
Monitoring Wells																
MW-5																
MW-5-S(10)	11/20/02	10	740	2.8	18[2]	32[2]	160[2]	<0.50	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50	<20	NA
MW-6																
MW-6-S(10)	11/20/02	10	190	4.2	26	5.3	41	0.39	<2.5	<0.25	<0.25	<0.25	<0.25	<0.25	<10	NA
Stockpile Sample																
Comp-(A,B,C,D)	11/20/02	--	<2.5	0.025	0.031	0.044	0.20	0.072	NA	NA	NA	NA	NA	NA	NA	<10

EXPLANATION:
feet = feet below ground surface
ppm = parts per million
<1.0 = analyte not detected at or above the laboratories listed reported limit.
[1] = The concentration indicated for this analyte is an estimated value above the calibration range of the instrument.
[2] = This sample was originally analyzed within the EPA recommended hold time. Re-analysis for confirmation or dilution was performed past the recommended hold time. The results may still be useful for their intended purpose.
-- = not applicable
NA = not analyzed

ANALYTICAL LABORATORY:
Sequoia Analytical Sacramento, CA (ELAP #1624)

ANALYTICAL METHODS:
TPHg = Total Petroleum Hydrocarbons as gasoline according to EPA Method 8260B
Benzene, Toluene, Ethylbenzene and Xylenes according to EPA Method 8260B
MtBE = methyl tert-butyl ether according to EPA Method 8260B
TBA = tert-butyl alcohol according to EPA Method 8260B
DIPE = di-isopropyl ether according to EPA Method 8260B
1,2-DCA = 1,2-Dichloroethane according to EPA Method 8260B
TAME = tert-amyl methyl ether according to EPA Method 8260B
EDB = ethylene dibromide or 1,2-dibromoethane according to EPA Method 8260B
ETBE = ethyl tert-butyl ether according to EPA Method 8260B
Ethanol according to EPA Method 8260B
Lead according to EPA Method 6010

Table 1

RESULTS OF LABORATORY ANALYSIS OF SOIL SAMPLES
76 Service Station 4625
3070 Fruitvale Avenue
Oakland, California

Sample Number	Sample Date	Depth (fbg)	TPPH	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	TBA	TAME	DIPE	ETBE	Ethanol	Lead
			Concentration in milligrams per kilogram (mg/kg)											
			EPA Method 8260											6010B
MW-7 @ 5	7/27/2007	5	**150**	**0.39**	**2.8**	**3.1**	**17**	**0.13**	<1.2	<0.025	<0.12	<0.025	<25	--
MW-7 @ 11	7/27/2007	11	**380**	**3.6**	**24**	**9.2**	**48**	<1.2	<12	<0.25	<1.2	<0.25	<250	--
Composite	7/27/2007	N/A	**17**	**0.21**	**0.86**	**0.35**	**0.83**	**0.089**	<0.050	<0.0010	<0.0050	<0.0010	<1.0	**6.0**

Notes:

TPPH	=	total purgeable petroleum hydrocarbons	ETBE	=	ethyl tertiary butyl ether
MTBE	=	methyl tertiary butyl ether	fbg	=	feet below grade
TBA	=	tertiary butyl alcohol	mg/kg	=	milligrams per kilogram
TAME	=	tertiary amyl methyl ether	--	=	not analyzed
DIPE	=	di-isopropyl ether	N/A	=	not applicable

5. Groundwater Analytical Data (30pp)

Table 3
Historical Groundwater Monitoring Data and Analytical Results
Unocal No. 4625 (351641)
3070 Fruitvale Avenue
Oakland, California

WELL ID	TOC* (ft)	DATE	DTW (ft)	GWE* (ft)	LNAPL (ft)	TOG (mg/L)	TPH-d (µg/L)	TPH-g (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW-1	136.36	05/03/2000	11.81	124.55	0	--	--	ND[1]	ND	ND	ND	ND
	136.36	07/28/2000	7.79	128.57	0	--	--	ND[1]	ND	ND	ND	ND
	136.36	10/29/2000	7.90	128.46	0	--	--	62[1]	ND	ND	ND	ND
	136.36	02/09/2001	7.95	128.41	0	--	--	ND[1]	ND	ND	ND	ND
	136.36	05/11/2001	7.22	129.14	0	--	--	ND[1]	ND	ND	ND	ND
	136.36	08/10/2001	8.47	127.89	0	--	--	<50[1]	<0.50	<0.50	<0.50	<0.50
	136.36	11/07/2001	8.10	128.26	0	--	--	<50[1]	<0.50	<0.50	<0.50	<0.50
	136.36	02/06/2002	6.84	129.52	0	--	--	<50[1]	<0.50	<0.50	<0.50	<0.50
	136.36	05/08/2002	7.29	129.07	0	--	--	<50[1]	<0.50	<0.50	<0.50	<0.50
	136.36	08/09/2002	8.20	128.16	0	--	--	57	<0.50	<0.50	<0.50	<1.0
	136.36	11/26/2002	7.78	128.58	0	--	--	<50	<0.50	<0.50	<0.50	<1.0
	137.57	02/14/2003	6.90	130.67	0	--	--	<50	<0.50	<0.50	<0.50	<1.0
	137.57	05/03/2003	7.36	130.21	0	--	--	<50	<0.50	<0.50	<0.50	<1.0
	137.57	08/01/2003	7.48	130.09	0	--	--	<50	<0.50	<0.50	<0.50	<1.0
	137.57	10/30/2003	8.74	128.83	0	--	--	300	35	41	21	71
	137.57	01/29/2004	6.72	130.85	0	--	--	74	<0.50	4.3	<0.50	<1.0
	137.57	05/27/2004	7.98	129.59	0	--	--	<50	<0.50	<0.50	<0.50	1
	137.57	08/31/2004	8.42	129.15	0	--	--	<50	<0.50	<0.50	<0.50	<1.0
	137.57	11/18/2004	6.91	130.66	0	--	--	<50	<0.50	<0.50	<0.50	1.4
	137.57	03/25/2005	6.23	131.34	0	--	--	<50	<0.50	<0.50	<0.50	<1.0
	137.57	06/22/2005	6.83	130.74	0	--	--	<50	<0.50	0.23J	<0.50	<1.0
	137.57	09/26/2005	7.97	129.60	0	--	--	<50	<0.50	<0.50	<0.50	<1.0
	137.57	12/20/2005	6.73	130.84	0	--	--	<50	<0.50	<0.50	<0.50	<1.0
	137.57	03/29/2006	6.41	131.16	0	--	--	79	1.3	<0.50	1.4	4.2
	137.57	06/12/2006	7.10	130.47	0	--	--	<50	<0.50	<0.50	<0.50	<1.0
	137.57	09/27/2006	7.85	129.72	0	--	--	<50	<0.50	<0.50	<0.50	<0.50
	137.57	12/27/2006	6.90	130.67	0	--	--	<50	<0.50	<0.50	<0.50	<0.50
	137.57	03/16/2007	7.07	130.50	0	--	--	<50	<0.50	<0.50	<0.50	<0.50
	137.57	06/27/2007	7.53	130.04	0	--	--	<50	<0.50	<0.50	<0.50	<0.50
	137.57	09/27/2007	8.42	129.15	0	--	--	<50	<0.50	<0.50	<0.50	<0.50
	137.57	12/26/2007	6.96	130.61	0	--	--	<50	<0.50	<0.50	<0.50	<1.0
	137.57	03/26/2008	7.08	130.49	0	--	--	<50	<0.50	<0.50	<0.50	<1.0
	137.57	06/17/2008	8.26	129.31	0	--	--	<50	<0.50	<0.50	<0.50	<1.0

Table 3
Historical Groundwater Monitoring Data and Analytical Results
Unocal No. 4625 (351641)
3070 Fruitvale Avenue
Oakland, California

WELL ID	TOC* (ft)	DATE	DTW (ft)	GWE* (ft)	LNAPL (ft)	TOG (mg/L)	TPH-d (µg/L)	TPH-g (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW-1	137.57	09/15/2008	8.75	128.82	0	--	--	<50	<0.50	<0.50	<0.50	<1.0
(Continued)	137.57	12/30/2008	7.30	130.27	0	--	--	<50	<0.50	<0.50	<0.50	<1.0
	137.57	03/30/2009	6.42	131.15	0	--	--	<50	<0.50	<0.50	<0.50	<1.0
	137.57	06/25/2009	7.72	129.85	0	--	--	<50	<0.50	<0.50	<0.50	<1.0
	137.57	12/17/2009	7.21	130.36	0	--	--	<50	<0.50	<0.50	<0.50	<1.0
	137.57	06/29/2010	7.77	129.80	0	--	--	<50	<0.50	<0.50	<0.50	<1.0
	137.57	12/30/2010	6.65	130.92	0	--	--	<50	<0.50	<0.50	<0.50	<1.0
	137.57	06/10/2011	7.58	129.99	0	--	--	<50	<0.50	<0.50	<0.50	<1.0
	137.57	12/13/2011	7.55	130.02	0	--	--	<50	<0.50	<0.50	<0.50	<1.0
	137.57	06/04/2012	7.53	130.04	0	--	--	<50	<0.50	<0.50	<0.50	<1.0
	137.57	12/07/2012	6.19	131.38	0	-	-	<50	<0.50	<0.50	<0.50	<1.0
	137.57	06/26/2013	7.66	129.91	0	--	--	<50	<0.50	<0.50	<0.50	<1.0
	137.57	12/20/2013	7.87	129.70	0	--	--	<50	<0.50	1.4	<0.50	<1.0
MW-2	138.64	05/03/2000	8.59	130.05	0	--	--	2400[1]	53	ND	ND	240
	138.64	07/28/2000	9.95	128.69	0	--	--	2200[1]	680	4.1	57	270
	138.64	10/29/2000	8.38	130.26	0	--	--	490[1]	67	ND	23	22
	138.64	02/09/2001	8.41	130.23	0	--	--	ND[1]	3.1	ND	0.52	1.1
	138.64	05/11/2001	8.93	129.71	0	--	--	ND[1]	1.99	ND	ND	ND
	138.64	08/10/2001	10.68	127.96	0	--	--	96[1]	20	<0.50	2.1	9.4
	138.64	11/07/2001	10.01	128.63	0	--	--	480[1]	110	<1.0	26	42
	138.64	02/06/2002	8.10	130.54	0	--	--	69[1]	13	<0.50	0.84	4.4
	138.64	05/08/2002	9.16	129.48	0	--	--	53[1]	13	<0.50	1.2	1.5
	138.64	08/09/2002	10.39	128.25	0	--	--	140	20	<0.50	10	11
	138.64	11/26/2002	9.81	128.83	0	--	--	340	87	<0.50	33	23
	139.85	02/14/2003	8.19	131.66	0	--	--	130	12	<0.50	7.4	5.4
	139.85	05/03/2003	6.77	133.08	0	--	--	<50	2.5	<0.50	1.7	<1.0
	139.85	08/01/2003	9.63	130.22	0	--	--	270	55	<0.50	23	6
	139.85	10/30/2003	11.06	128.79	0	--	--	180	17	4.8	6.1	13
	139.85	01/29/2004	8.35	131.50	0	--	--	98	4.3	<0.50	1.5	3.6
	139.85	05/27/2004	9.66	130.19	0	--	--	58	1.2	<0.50	0.87	1.1
	139.85	08/31/2004	10.45	129.40	0	--	--	99	2.7	<0.50	1.8	2.8
	139.85	11/18/2004	8.21	131.64	0	--	--	220	2.4	<0.50	2.1	1.7
	139.85	03/25/2005	5.85	134.00	0	--	--	240	3.5	<0.50	4.4	6.5
	139.85	06/22/2005	8.21	131.64	0	--	--	56	1.1	<0.50	1.3	1.5

Table 3
Historical Groundwater Monitoring Data and Analytical Results
Unocal No. 4625 (351641)
3070 Fruitvale Avenue
Oakland, California

WELL ID	TOC* (ft)	DATE	DTW (ft)	GWE* (ft)	LNAPL (ft)	TOG (mg/L)	TPH-d (µg/L)	TPH-g (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW-2	139.85	09/26/2005	9.98	129.87	0	--	--	83	0.56	<0.50	0.86	<1.0
(Continued)	139.85	12/20/2005	6.59	133.26	0	--	--	63	2.6	<0.50	2.4	3.7
	139.85	03/29/2006	5.79	134.06	0	--	--	94	2	<0.50	1.7	2
	139.85	06/12/2006	8.72	131.13	0	--	--	140	1.1	<0.50	0.94	2.8
	139.85	09/27/2006	9.86	129.99	0	--	--	55	0.55	<0.50	0.8	<0.50
	139.85	12/27/2006	6.98	132.87	0	--	--	72	0.61	<0.50	0.52	<0.50
	139.85	03/16/2007	8.10	131.75	0	--	--	62	<0.50	<0.50	<0.50	<0.50
	139.85	06/27/2007	9.48	130.37	0	--	--	<50	<0.50	<0.50	<0.50	<0.50
	139.85	09/27/2007	10.50	129.35	0	--	--	280	0.65	<0.50	1.8	<0.50
	139.85	12/26/2007	7.84	132.01	0	--	--	64	<0.50	<0.50	<0.50	<1.0
	139.85	3/26/2008	8.75	131.10	0	--	--	64	<0.50	<0.50	<0.50	<1.0
	139.85	6/17/2008	10.19	129.66	0	--	--	56	<0.50	<0.50	<0.50	<1.0
	139.85	9/15/2008	10.79	129.06	0	--	--	74	<0.50	<0.50	<0.50	<1.0
	139.85	12/30/2008	8.36	131.49	0	--	--	52	<0.50	<0.50	<0.50	<1.0
	139.85	3/30/2009	8.11	131.74	0	--	--	<50	<0.50	<0.50	<0.50	<1.0
	139.85	6/25/2009	9.65	130.20	0	--	--	67	<0.50	<0.50	<0.50	<1.0
	139.85	12/17/2009	7.57	132.28	0	--	--	99	<0.50	<0.50	<0.50	<1.0
	139.85	6/29/2010	9.06	130.79	0	--	--	150	<0.50	<0.50	<0.50	<1.0
	139.85	12/30/2010	5.67	134.18	0	--	--	54	<0.50	<0.50	<0.50	<1.0
	139.85	06/10/2011	7.78	132.07	0	--	--	260	0.58	<0.50	<0.50	<1.0
	139.85	12/13/2011	9.32	130.53	0	--	--	470	<0.50	<0.50	<0.50	<1.0
	139.85	06/04/2012	9.12	130.73	0	--	--	460	<0.50	<0.50	<0.50	<1.0
	139.85	12/07/2012	5.87	133.98	0	-	-	<50	<0.50	<0.50	<0.50	<1.0
	139.85	06/26/2013	9.66	130.19	0	--	--	290	5.6	<0.50	<0.50	<1.0
	139.85	12/20/2013	9.75	130.10	0	--	--	<50	<0.50	0.65	<0.50	<1.0
MW-3	137.68	05/03/2000	7.60	130.08	0	--	93	ND[1]	ND	ND	ND	ND
	137.68	07/28/2000	8.82	128.86	0	--	ND	ND[1]	ND	ND	ND	ND
	137.68	10/29/2000	7.33	130.35	0	--	ND	ND[1]	ND	ND	ND	ND
	137.68	02/09/2001	7.40	130.28	0	--	72	ND[1]	ND	ND	ND	ND
	137.68	05/11/2001	7.90	129.78	0	--	ND	ND[1]	ND	ND	ND	ND
	137.68	08/10/2001	9.09	128.59	0	--	63	<50[1]	<0.50	<0.50	<0.50	<0.50
	137.68	11/07/2001	9.03	128.65	0	--	88	<50[1]	<0.50	<0.50	<0.50	<0.50
	137.68	02/06/2002	7.16	130.52	0	--	<310	<50[1]	<0.50	<0.50	<0.50	<0.50
	137.68	05/08/2002	8.04	129.64	0	--	<53	<50[1]	<0.50	<0.50	<0.50	<0.50

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WELL ID	TOC* (ft)	DATE	DTW (ft)	GWE* (ft)	LNAPL (ft)	TOG (mg/L)	TPH-d (µg/L)	TPH-g (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW-3	137.68	08/09/2002	9.27	128.41	0	--	<50	<50	<0.50	<0.50	<0.50	<1.0
(Continued)	137.68	11/26/2002	8.79	128.89	0	--	<50	<50	<0.50	<0.50	<0.50	<1.0
	138.89	02/14/2003	7.18	131.71	0	--	<50	<50	<0.50	<0.50	<0.50	<1.0
	138.89	05/03/2003	5.88	133.01	0	--	<50	<50	<0.50	<0.50	<0.50	<1.0
	138.89	08/01/2003	8.52	130.37	0	--	<50	<50	<0.50	<0.50	<0.50	<1.0
	138.89	10/30/2003	10.05	128.84	0	--	<50	<50	0.62	0.83	<0.50	<1.0
	138.89	01/29/2004	6.58	132.31	0	--	<50	<50	<0.50	<0.50	<0.50	<1.0
	138.89	05/27/2004	8.51	130.38	0	--	--	<50	<0.50	<0.50	<0.50	<1.0
	138.89	08/31/2004	9.72	129.17	0	--	<50	<50	<0.50	<0.50	<0.50	<1.0
	138.89	11/18/2004	7.20	131.69	0	--	<50	<50	<0.50	<0.50	<0.50	<1.0
	----------Dupl	11/18/2004			0	--	--	--	--	--	--	--
	138.89	03/25/2005	5.39	133.50	0	--	<50	<50	<0.50	<0.50	<0.50	<1.0
	138.89	06/22/2005	7.31	131.58	0	--	--	<50	<0.50	<0.50	<0.50	<1.0
	----------Dupl	09/26/2005			0	--	--	--	<0.50	<0.50	<0.50	<0.50
	138.89	09/26/2005	8.99	129.90	0	--	<200	<50	<0.50	<0.50	<0.50	<1.0
	138.89	12/20/2005	8.03	130.86	0	--	<200	<50	<0.50	<0.50	<0.50	<1.0
	----------Dupl	03/29/2006			0	--	--	--	<0.50	<0.50	<0.50	<1.0
	138.89	03/29/2006	8.55	130.34	0	--	<200	61	<0.50	<0.50	<0.50	<1.0
	138.89	06/12/2006	7.70	131.19	0	--	<200	<50	<0.50	<0.50	<0.50	<1.0
	----------Dupl	06/12/2006			0	--	--	--	<0.50	<0.50	<0.50	<1.0
	----------Dupl	09/27/2006			0	--	--	--	<0.50	<0.50	<0.50	<0.50
	138.89	09/27/2006	8.87	130.02	0	--	<50	<50	<0.50	<0.50	<0.50	<0.50
	138.89	12/27/2006	6.10	132.79	0	--	--	--	<0.50	<0.50	<0.50	<0.50
	----------Dupl	12/27/2006			0	--	55	<50	<0.50	<0.50	<0.50	<1.0
	138.89	03/16/2007	7.14	131.75	0	--	<50	<50	<0.50	<0.50	<0.50	<1.0
	----------Dupl	03/16/2007			0	--	--	--	<0.50	<0.50	<0.50	<0.50
	138.89	06/27/2007	8.58	130.31	0	--	63	<50	<0.50	<0.50	<0.50	<0.50
	138.89	09/27/2007	9.47	129.42	0	--	87	<50	<0.50	<0.50	<0.50	<0.50
	138.89	12/26/2007	7.00	131.89	0	--	<50	<50	<0.50	<0.50	<0.50	<1.0
	138.89	03/26/2008	7.77	131.12	0	--	<50	<50	<0.50	<0.50	<0.50	<1.0
	138.89	06/17/2008	9.15	129.74	0	--	<50	<50	<0.50	<0.50	<0.50	<1.0
	138.89	09/15/2008	9.79	129.10	0	--	<50	<50	<0.50	<0.50	<0.50	<1.0
	138.89	12/30/2008	7.24	131.65	0	--	<50	<50	<0.50	<0.50	<0.50	<1.0
	138.89	03/30/2009	7.04	131.85	0	--	<50	<50	<0.50	<0.50	<0.50	<1.0

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WELL ID	TOC* (ft)	DATE	DTW (ft)	GWE* (ft)	LNAPL (ft)	TOG (mg/L)	TPH-d (µg/L)	TPH-g (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW-3	138.89	06/25/2009	8.60	130.29	0	--	<50	<50	<0.50	<0.50	<0.50	<1.0
(Continued)	138.89	12/17/2009	6.58	132.31	0	--	<50	<50	<0.50	<0.50	<0.50	<1.0
	138.89	06/29/2010	7.98	130.91	0	--	<50	<50	<0.50	<0.50	<0.50	<1.0
	138.89	12/30/2010	5.12	133.77	0	--	<50	<50	<0.50	<0.50	<0.50	<1.0
	138.89	06/10/2011	6.78	132.11	0	<5.0	<40	<50	<0.50	<0.50	<0.50	<1.0
	138.89	12/13/2011	8.32	130.57	0	<5.0	<40	<50	<0.50	<0.50	<0.50	<1.0
	138.89	06/04/2012	8.00	130.89	0	<5.0	<40	<50	<0.50	<0.50	<0.50	<1.0
	138.89	12/07/2012	5.39	133.50	0	<5.0	<40	<50	<0.50	<0.50	<0.50	<1.0
	138.89	06/26/2013	8.60	130.29	0	<5.0	<40	<50	<0.50	<0.50	<0.50	<1.0
	138.89	12/20/2013	8.80	130.09	0	<5.0	<50	<50	<0.50	1.5	<0.50	<1.0
MW-4	136.60	05/03/2000	6.48	130.12	0	--	--	ND[1]	ND	ND	ND	ND
	136.60	07/28/2000	7.55	129.05	0	--	--	ND[1]	ND	ND	ND	ND
	136.60	10/29/2000	6.12	130.48	0	--	--	ND[1]	ND	ND	ND	ND
	136.60	02/09/2001	6.14	130.46	0	--	--	ND[1]	ND	ND	ND	ND
	136.60	05/11/2001	7.51	129.09	0	--	--	<50[1]	ND	ND	ND	ND
	136.60	08/10/2001	8.66	127.94	0	--	--	<50[1]	<0.50	<0.50	<0.50	<0.50
	136.60	11/07/2001	7.92	128.68	0	--	--	<50[1]	<0.50	<0.50	<0.50	<0.50
	136.60	02/06/2002	7.18	129.42	0	--	--	<50[1]	<0.50	<0.50	<0.50	<0.50
	136.60	05/08/2002	6.86	129.74	0	--	--	--	<0.50	<0.50	<0.50	<0.50
	136.60	08/09/2002	7.67	128.93	0	--	--	<50	<0.50	<0.50	<0.50	<1.0
	136.60	11/26/2002	8.08	128.52	0	--	--	<50	<0.50	<0.50	<0.50	<1.0
	137.81	02/14/2003	7.43	130.38	0	--	--	<50	<0.50	<0.50	<0.50	<1.0
	137.81	05/03/2003	6.05	131.76	0	--	--	<50	<0.50	<0.50	<0.50	<1.0
	137.81	08/01/2003	8.21	129.60	0	--	--	<50	<0.50	<0.50	<0.50	<1.0
	137.81	10/30/2003	9.04	128.77	0	--	--	<50	1.1	2.3	2.2	7
	137.81	01/29/2004	8.22	129.59	0	--	--	<50	<0.50	<0.50	<0.50	<1.0
	137.81	05/27/2004	7.43	130.38	0	--	--	<50	<0.50	<0.50	<0.50	<1.0
	137.81	08/31/2004	8.35	129.46	0	--	--	<50	<0.50	<0.50	<0.50	<1.0
	137.81	11/18/2004	8.26	129.55	0	--	--	<50	<0.50	<0.50	<0.50	<1.0
	137.81	03/25/2005	4.40	133.41	0	--	--	<50	<0.50	<0.50	<0.50	<1.0
	137.81	06/22/2005	8.44	129.37	0	--	--	<50	<0.50	<0.50	<0.50	<1.0
	137.81	09/26/2005	7.93	129.88	0	--	--	<50	0.51	<0.50	0.53	2.3
	137.81	12/20/2005	5.65	132.16	0	--	--	<50	<0.50	<0.50	<0.50	<1.0
	137.81	03/29/2006	5.15	132.66	0	--	--	<50	<0.50	<0.50	<0.50	<1.0

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WELL ID	TOC* (ft)	DATE	DTW (ft)	GWE* (ft)	LNAPL (ft)	TOG (mg/L)	TPH-d (µg/L)	TPH-g (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW-4	137.81	06/12/2006	5.68	132.13	0	--	--	<50	<0.50	<0.50	<0.50	<1.0
(Continued)	137.81	09/27/2006	7.52	130.29	0	--	--	<50	<0.50	<0.50	<0.50	<0.50
	137.81	12/27/2006	6.95	130.86	0	--	--	<50	<0.50	<0.50	<0.50	<0.50
	137.81	03/16/2007	7.20	130.61	0	--	--	<50	<0.50	<0.50	<0.50	<0.50
	137.81	06/27/2007	7.68	130.13	0	--	--	<50	<0.50	<0.50	<0.50	<0.50
	137.81	09/27/2007	9.01	128.80	0	--	--	<50	<0.50	<0.50	<0.50	<0.50
	137.81	12/26/2007	5.98	131.83	0	--	--	<50	<0.50	<0.50	<0.50	<1.0
	137.81	03/26/2008	8.83	128.98	0	--	--	<50	<0.50	<0.50	<0.50	<1.0
	137.81	06/17/2008	9.05	128.76	0	--	--	<50	<0.50	<0.50	<0.50	<1.0
	137.81	09/15/2008	9.03	128.78	0	--	--	<50	<0.50	<0.50	<0.50	<1.0
	137.81	12/30/2008	8.22	129.59	0	--	--	<50	<0.50	<0.50	<0.50	<1.0
	137.81	03/30/2009	8.14	129.67	0	--	--	<50	<0.50	<0.50	<0.50	<1.0
	137.81	06/25/2009	8.10	129.71	0	--	--	<50	<0.50	<0.50	<0.50	<1.0
	137.81	12/17/2009	7.08	130.73	0	--	--	<50	<0.50	<0.50	<0.50	<1.0
	137.81	06/29/2010	6.94	130.87	0	--	--	<50	<0.50	<0.50	<0.50	<1.0
	137.81	12/30/2010	7.82	129.99	0	--	--	<50	<0.50	<0.50	<0.50	<1.0
	137.81	06/10/2011	6.95	130.86	0	--	--	<50	<0.50	<0.50	<0.50	<1.0
	137.81	12/13/2011	8.72	129.09	0	--	--	<50	<0.50	<0.50	<0.50	<1.0
	137.81	06/04/2012	9.13	128.68	0	--	--	<50	<0.50	<0.50	<0.50	<1.0
	137.81	12/07/2012	7.89	129.92	0	-	-	<50	<0.50	<0.50	<0.50	<1.0
	137.81	06/26/2013	9.10	128.71	0	--	--	<50	<0.50	<0.50	<0.50	<1.0
	137.81	12/20/2013	8.65	129.16	0	--	--	<50	<0.50	1.4	<0.50	<1.0
MW-5	137.66	11/26/2002	9.89	127.77	0	--	--	2500	350	39	32	640
	137.66	2/14/2003	8.65	129.01	0	--	--	6600	920	210	430	1300
	137.66	5/3/2003	8.23	129.43	0	--	--	33000	2400	2200	2000	7600
	137.66	8/1/2003	9.63	128.03	0	--	--	14000	880	130	630	2000
	137.66	10/30/2003	10.58	127.08	0	--	--	1400	75	43	39	140
	137.66	1/29/2004	8.70	128.96	0	--	--	6300	750	56	400	1000
	137.66	5/27/2004	9.59	128.07	0	--	--	4600	260	15	300	840
	137.66	8/31/2004	10.05	127.61	0	--	--	1500	53	<2.5	48	49
	137.66	11/18/2004	8.54	129.12	0	--	--	22000	1300	900	1100	4600
	137.66	3/25/2005	7.12	130.54	0	--	--	53000	1400	660	1600	6400
	137.66	6/22/2005	8.62	129.04	0	--	--	5100	240	110	320	1100
	137.66	9/26/2005	9.70	127.96	0	--	--	2500	81	<0.50	85	200

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MW-5	137.66	12/20/2005	8.23	129.43	0	--	--	3800	220	42	240	620
(Continued)	137.66	3/29/2006	6.70	130.96	0	--	--	7100	520	150	470	1500
	137.66	6/12/2006	8.68	128.98	0	--	--	7500	290	97	500	1600
	137.66	9/27/2006	9.45	128.21	0	--	--	2200	55	<0.50	85	170
	137.66	12/27/2006	7.57	130.09	0	--	--	13000	560	160	750	1900
	137.66	3/16/2007	8.10	129.56	0	--	--	8000	340	62	400	700
	137.66	6/27/2007	9.56	128.10	0	--	--	8900	330	14	690	1400
	137.35	9/27/2007	9.85	127.50	0	--	--	1300	31	<0.50	47	23
	137.35	12/26/2007	8.99	128.36	0	--	--	5700	410	44	470	760
	137.35	3/26/2008	9.22	128.13	0	--	--	5400	360	<5.0	420	350
	137.35	6/17/2008	9.67	127.68	0	--	--	2000	160	<0.50	99	64
	137.35	9/15/2008	10.09	127.26	0	--	--	230	5.3	<0.50	4.5	2.9
	137.35	12/30/2008	8.14	129.21	0	--	--	5700	230	32	350	650
	137.35	3/30/2009	8.01	129.34	0	--	--	2600	140	10	180	280
	137.35	6/25/2009	9.00	128.35	0	--	--	1400	40	1.3	71	96
	137.35	12/17/2009	7.62	129.73	0	--	--	12000	540	94	820	1900
	137.35	6/29/2010	8.82	128.53	0	--	--	2200	77	5.2	150	290
	137.35	12/30/2010	6.15	131.20	0	--	--	7400	330	110	550	1300
	137.35	06/10/2011	7.6	129.75	0	--	--	5,500	180	38	410	1,000
	137.35	12/13/2011	8.98	128.37	0	--	--	1,700	53	3	100	86
	137.35	06/04/2012	8.5	128.85	0	--	--	1,800	32	1	79	53
	137.35	12/07/2012	6.37	130.98	0	-	-	3,300	92	60	260	590
	137.35	06/26/2013	9.05	128.30	0	--	--	190	2.5	0.73	3.2	8.6
	137.35	12/20/2013	9.10	128.25	0	--	--	300	7.4	1.8	24	5.1
MW-6	138.88	11/26/2002	9.19	129.69	0	--	--	11000	1200	2000	400	2300
	138.88	2/14/2003	7.76	131.12	0	--	--	13000	2300	1900	560	2300
	138.88	5/3/2003	6.62	132.26	0	--	--	4300	1000	640	260	990
	138.88	8/1/2003	9.05	129.83	0	--	--	16000	2600	2300	740	2900
	138.88	10/30/2003	10.43	128.45	0	--	--	2900	420	260	120	480
	138.88	1/29/2004	7.81	131.07	0	--	--	400	58	21	14	65
	138.88	5/27/2004	9.11	129.77	0	--	--	580	58	14	20	69
	138.88	8/31/2004	9.76	129.12	0	--	--	660	77	7	19	65
	138.88	11/18/2004	7.68	131.20	0	--	--	660	92	19	20	80
	138.88	3/25/2005	5.83	133.05	0	--	--	870	82	13	15	73

Table 3
Historical Groundwater Monitoring Data and Analytical Results
Unocal No. 4625 (351641)
3070 Fruitvale Avenue
Oakland, California

WELL ID	TOC* (ft)	DATE	DTW (ft)	GWE* (ft)	LNAPL (ft)	TOG (mg/L)	TPH-d (µg/L)	TPH-g (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW-6	138.88	6/22/2005	7.83	131.05	0	--	--	480	84	2.4	23	72
(Continued)	138.88	9/26/2005	9.50	129.38	0	--	--	440	72	0.65	12	52
	138.88	12/20/2005	6.91	131.97	0	--	--	<50	<0.50	<0.50	<0.50	<1.0
	138.88	3/29/2006	6.48	132.40	0	--	--	430	61	13	11	41
	138.88	6/12/2006	8.10	130.78	0	--	--	1000	190	8	28	130
	138.88	9/27/2006	9.25	129.63	0	--	--	330	19	0.87	5.4	29
	138.88	12/27/2006	6.88	132.00	0	--	--	220	13	2.4	3.8	9.6
	138.88	3/16/2007	7.73	131.15	0	--	--	160	22	8.7	3.5	12
	138.88	6/27/2007	8.98	129.90	0	--	--	310	2.9	<0.50	1.4	2
	138.69	9/27/2007	9.82	128.87	0	--	--	500	14	<0.50	7.3	3.5
	138.69	12/26/2007	7.44	131.25	0	--	--	64	4.8	1.2	1.6	2.8
	138.69	3/26/2008	8.32	130.37	0	--	--	200	21	1.1	4	2.6
	138.69	6/17/2008	9.63	129.06	0	--	--	180	7.1	<0.50	2.8	2
	138.69	9/15/2008	10.08	128.61	0	--	--	150	0.9	<0.50	<0.50	<1.0
	138.69	12/30/2008	7.62	131.07	0	--	--	<50	4.2	0.83	0.98	2
	138.69	3/30/2009	7.71	130.98	0	--	--	58	6.5	0.61	1.1	1.8
	138.69	6/25/2009	9.09	129.60	0	--	--	280	3.5	0.54	3	3.8
	138.69	12/17/2009	7.12	131.57	0	--	--	77	1.4	1.4	ND<0.50	1.4
	138.69	6/29/2010	8.58	130.11	0	--	--	91	2.3	<0.50	<0.50	<1.0
	138.69	12/30/2010	5.43	133.26	0	--	--	<50	3	3	0.73	2.8
	138.69	06/10/2011	7.35	131.34	0	--	--	380	14	8.9	5.6	13
	138.69	12/13/2011	8.83	129.86	0	--	--	59	<0.50	<0.50	<0.50	<1.0
	138.69	06/04/2012	8.57	130.12	0	--	--	93	<0.50	<0.50	<0.50	<1.0
	138.69	12/07/2012	5.49	133.20	0	-	-	62	3.5	3.1	1.0	4.1
	138.69	06/26/2013	9.05	129.64	0	--	--	<50	<0.50	<0.50	<0.50	<1.0
	138.69	12/20/2013	9.03	129.66	0	--	--	<50	<0.50	1.4	<0.50	<1.0
MW-7	138.74	9/27/2007	9.62	129.12	0	--	--	240	6.7	<0.50	24	5
	138.74	12/26/2007	8.60	130.14	0	--	--	73	<0.50	<0.50	9.5	<1.0
	138.74	3/26/2008	13.70	125.04	0	--	--	<50	<0.50	<0.50	0.7	<1.0
	138.74	6/17/2008	9.81	128.93	0	--	--	<50	<0.50	<0.50	<0.50	<1.0
	138.74	9/15/2008	10.57	128.17	0	--	--	<50	<0.50	<0.50	<0.50	<1.0
	138.74	12/30/2008	10.21	128.53	0	--	--	<50	<0.50	<0.50	<0.50	<1.0
	138.74	3/30/2009	9.22	129.52	0	--	--	<50	<0.50	<0.50	<0.50	<1.0
	138.74	6/25/2009	8.97	129.77	0	--	--	<50	<0.50	<0.50	<0.50	<1.0

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Oakland, California

WELL ID	TOC* (ft)	DATE	DTW (ft)	GWE* (ft)	LNAPL (ft)	TOG (mg/L)	TPH-d (µg/L)	TPH-g (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW-7	138.74	12/17/2009	8.80	129.94	0	--	--	<50	<0.50	<0.50	<0.50	<1.0
(Continued)	138.74	6/29/2010	8.64	130.10	0	--	--	<50	<0.50	<0.50	<0.50	<1.0
	138.74	12/30/2010	8.23	130.51	0	--	--	<50	<0.50	<0.50	<0.50	<1.0
	138.74	06/10/2011	8.55	130.19	0	--	--	<50	<0.50	<0.50	<0.50	<1.0
	138.74	12/13/2011	9.17	129.57	0	--	--	<50	<0.50	<0.50	<0.50	<1.0
	138.74	06/04/2012	8.74	130.00	0	--	--	<50	<0.50	<0.50	<0.50	<1.0
	138.74	12/07/2012	8.92	129.82	0	-	-	<50	<0.50	<0.50	<0.50	<1.0
	138.74	06/26/2013	9.08	129.66	0	--	--	<50	<0.50	<0.50	<0.50	<1.0
	138.74	12/20/2013	9.05	129.69	0	--	--	<50	<0.50	1.4	<0.50	<1.0
MW-8	136.22	9/27/2007	10.02	126.20	0	--	--	<50	<0.50	<0.50	<0.50	<0.50
	136.22	12/26/2007	9.02	127.20	0	--	--	<50	<0.50	<0.50	<0.50	<1.0
	136.22	3/26/2008	9.41	126.81	0	--	--	<50	<0.50	<0.50	<0.50	<1.0
	136.22	6/17/2008	10.00	126.22	0	--	--	<50	<0.50	<0.50	<0.50	<1.0
	136.22	9/15/2008	10.29	125.93	0	--	--	<50	<0.50	<0.50	<0.50	<1.0
	136.22	12/30/2008	9.13	127.09	0	--	--	<50	<0.50	<0.50	<0.50	<1.0
	136.22	3/30/2009	9.13	127.09	0	--	--	<50	<0.50	<0.50	<0.50	<1.0
	136.22	6/25/2009	9.55	126.67	0	--	--	<50	<0.50	<0.50	<0.50	<1.0
	136.22	12/17/2009	8.84	127.38	0	--	--	<50	<0.50	<0.50	<0.50	<1.0
	136.22	6/29/2010	9.56	126.66	0	--	--	<50	<0.50	<0.50	<0.50	<1.0
	136.22	12/30/2010	7.57	128.65	0	--	--	<50	<0.50	<0.50	<0.50	<1.0
	136.22	06/10/2011	9.12	127.1	0	--	--	<50	<0.50	<0.50	<0.50	<1.0
	136.22	12/13/2011	9.65	126.57	0	--	--	<50	<0.50	<0.50	<0.50	<1.0
	136.22	06/04/2012	9.53	126.69	0	--	--	<50	<0.50	<0.50	<0.50	<1.0
	136.22	12/07/2012	7.85	128.37	0	-	-	<50	<0.50	<0.50	<0.50	<1.0
	136.22	06/26/2013	9.70	126.52	0	--	--	<50	<0.50	<0.50	<0.50	<1.0
	136.22	12/20/2013	9.85	126.37	0	--	--	<50	<0.50	1.4	<0.50	<1.0
MW-9	137.11	9/27/2007	10.60	126.51	0	--	--	<50	<0.50	<0.50	<0.50	<0.50
	137.11	12/26/2007	9.46	127.65	0	--	--	<50	<0.50	<0.50	<0.50	<1.0
	137.11	3/26/2008	9.89	127.22	0	--	--	<50	<0.50	<0.50	<0.50	<1.0
	137.11	6/17/2008	10.58	126.53	0	--	--	<50	<0.50	<0.50	<0.50	<1.0
	137.11	9/15/2008	10.89	126.22	0	--	--	<50	<0.50	<0.50	<0.50	<1.0
	137.11	12/30/2008	9.51	127.60	0	--	--	<50	<0.50	<0.50	<0.50	<1.0
	137.11	3/30/2009	9.57	127.54	0	--	--	<50	<0.50	<0.50	<0.50	<1.0
	137.11	6/25/2009	10.22	126.89	0	--	--	<50	<0.50	<0.50	<0.50	<1.0

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Oakland, California

WELL ID	TOC* (ft)	DATE	DTW (ft)	GWE* (ft)	LNAPL (ft)	TOG (mg/L)	TPH-d (µg/L)	TPH-g (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW-9	137.11	12/17/2009	9.27	127.84	0	--	--	<50	<0.50	<0.50	<0.50	<1.0
(Continued)	137.11	6/29/2010	10.04	127.07	0	--	--	<50	<0.50	<0.50	<0.50	<1.0
	137.11	12/30/2010	8.03	129.08	0	--	--	<50	<0.50	<0.50	<0.50	<1.0
	137.11	06/10/2011	9.56	127.55	0	--	--	<50	<0.50	<0.50	<0.50	<1.0
	137.11	12/13/2011	10.15	126.96	0	--	--	<50	<0.50	<0.50	<0.50	<1.0
	137.11	06/04/2012	10.03	127.08	0	--	--	<50	<0.50	<0.50	<0.50	<1.0
	137.11	12/07/2012	8.32	128.79	0	-	-	<50	<0.50	<0.50	<0.50	<1.0
	137.11	06/26/2013	10.25	126.86	0	--	--	<50	<0.50	<0.50	<0.50	<1.0
	137.11	12/20/2013	10.38	126.73	0	--	--	<50	<0.50	1.3	<0.50	<1.0
USTW	--	5/3/2000	8.00	--	0	--	--	--	--	--	--	--
	--	7/28/2000	9.28	--	0	--	--	--	--	--	--	--
	--	10/29/2000	7.75	--	0	--	--	--	--	--	--	--
	--	2/9/2001	6.14	--	0	--	--	--	--	--	--	--
	--	5/11/2001	7.96	--	0	--	--	--	--	--	--	--
	--	8/10/2001	9.54	--	0	--	--	--	--	--	--	--
	--	11/7/2001	9.33	--	0	--	--	--	--	--	--	--
	--	2/6/2002	8.08	--	0	--	--	--	--	--	--	--
	--	5/8/2002	8.51	--	0	--	--	--	--	--	--	--
	--	8/9/2002	9.56	--	0	--	--	--	--	--	--	--
	--	11/26/2002	9.16	--	0	--	--	--	--	--	--	--
	--	5/3/2003	6.25	--	0	--	--	--	--	--	--	--
	--	8/1/2003	8.99	--	0	--	--	--	--	--	--	--
	--	10/30/2003	10.44	--	0	--	--	--	--	--	--	--
	--	1/29/2004	6.52	--	0	--	--	--	--	--	--	--
	--	5/27/2004	8.98	--	0	--	--	--	--	--	--	--
	--	8/31/2004	9.75	--	0	--	--	--	--	--	--	--
	--	11/18/2004	7.39	--	0	--	--	--	--	--	--	--
	--	3/25/2005	5.01	--	0	--	--	--	--	--	--	--
	--	6/22/2005	7.63	--	0	--	--	--	--	--	--	--
	--	9/26/2005	9.45	--	0	--	--	--	--	--	--	--
	--	12/20/2005	5.35	--	0	--	--	--	--	--	--	--
	--	3/29/2006	4.83	--	0	--	--	--	--	--	--	--
	--	6/12/2006	8.05	--	0	--	--	--	--	--	--	--

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WELL ID	TOC* (ft)	DATE	DTW (ft)	GWE* (ft)	LNAPL (ft)	TOG (mg/L)	TPH-d (µg/L)	TPH-g (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
USTW	--	9/27/2006	9.21	--	0	--	--	--	--	--	--	--
(Continued)	--	12/27/2006	6.37	--	0	--	--	--	--	--	--	--
	--	3/16/2007	7.43	--	0	--	--	--	--	--	--	--
	--	6/27/2007	8.92	--	0	--	--	--	--	--	--	--
	--	9/27/2007	9.80	--	0	--	--	--	--	--	--	--
	--	12/26/2007	9.72	--	0	--	--	--	--	--	--	--
	--	3/26/2008	8.10	--	0	--	--	--	--	--	--	--
	--	6/17/2008	9.59	--	0	--	--	--	--	--	--	--
	--	9/15/2008	10.08	--	0	--	--	--	--	--	--	--
	--	12/30/2008	7.34	--	0	--	--	--	--	--	--	--
	--	3/30/2009	7.41	--	0	--	--	--	--	--	--	--
	--	6/25/2009	8.99	--	0	--	--	--	--	--	--	--
	--	12/17/2009	6.79	--	0	--	--	--	--	--	--	--
	--	6/29/2010	8.42	--	0	--	--	--	--	--	--	--
	--	12/30/2010	4.85	--	0	--	--	--	--	--	--	--
	--	06/10/2011	7.11	--	0	--	--	--	--	--	--	--
	--	12/13/2011	7.67	--	0	--	--	--	--	--	--	--
	--	06/04/2012	7.32	--	0	--	--	--	--	--	--	--
	--	12/7/2012	5.01	--	0	--	--	--	--	--	--	--
	--	06/26/2013	9.00	--	0							
	--	12/20/2013	9.07	--	0	--	--	--	--	--	--	--

NOTES:
* TOC and GWE are in feet above mean sea level
BTEX compounds analyzed by Unites States Environmental Protection Agency Method 8260B
TPH-d analyzed by Unites States Environmental Protection Agency Method 8015B/TPHd
TPH-g analyzed by Luft-GC/MS method.
TOG analyzed by Environmental Protection Agency Method 1664A HEM
TPH-g reported as TPPH (total purgeable petroluem hydrocarbons) on some laboratory reports

ID = Identification
TOC = Top of casing
ft = Feet
fbg = feet below grade
DTW = Depth to water
GWE = Groundwater elevation
-- = Not available/Not analyzed
µg/L = Micrograms per liter
LNAPL = Light Non-Aqueous Phase Liquid
B = Benzene
T = Toluene
E = Ethylbenzene
X = Total Xylenes
TPH-g = Total Petroleum Hydrocarbons as Gasoline
TPH-d= Total Petroleum Hydrocarbons as Diesel
TOG = Total Oil and Grease
¹ = TPH-g analyzed with Unites States Environmental Protection Agency Method SW8015
<# = Analyte not detected at or above indicated practical quantitation limit

Table 4
Historical Groundwater Analytical Results - Oxygenate Compounds and Total Chromium
Unocal No. 4625 (351641)
3070 Fruitvale Avenue
Oakland, California

WELL ID	DATE	MTBE (µg/L)	TBA (µg/L)	ETHANOL (µg/L)	ETBE (µg/L)	DIPE (µg/L)	TAME (µg/L)	EDB (µg/L)	EDC (µg/L)	Total Chromium (µg/L)
MW-1	05/03/2000	14[2]	--	--	--	--	--	--	--	--
	07/28/2000	19[2]	--	--	--	--	--	--	--	--
	10/29/2000	3.9[2]	--	--	--	--	--	--	--	--
	02/09/2001	9[2]	ND	ND	ND	ND	ND	ND	ND	--
	05/11/2001	16.3[2]	ND	ND	ND	ND	ND	ND	ND	--
	08/10/2001	19[2]	<100	<1000	<2.0	<2.0	<2.0	<2.0	<2.0	--
	11/07/2001	26[2]	<20	<500	<1.0	<1.0	<1.0	<1.0	<1.0	--
	02/06/2002	18[2]	<100	<500	<2.0	<2.0	<2.0	<2.0	<2.0	--
	05/08/2002	19[2]	<100	<500	<2.0	<2.0	<2.0	<2.0	<2.0	--
	08/09/2002	22	<100	<500	<2.0	<2.0	<2.0	<2.0	<2.0	--
	11/26/2002	23	<100	<500	<2.0	<2.0	<2.0	<2.0	<2.0	--
	02/14/2003	8.8	<100	<500	<2.0	<2.0	<2.0	<2.0	<2.0	--
	05/03/2003	3.4	<100	<500	<2.0	<2.0	<2.0	<2.0	<2.0	--
	08/01/2003	9.7	<100	<500	<2.0	<2.0	<2.0	<2.0	<2.0	--
	10/30/2003	8.5	<100	<500	<2.0	<2.0	<2.0	<2.0	<2.0	--
	01/29/2004	12	--	<500	--	--	--	--	--	--
	05/27/2004	16	<5.0	<50	<0.50	<1.0	<0.50	<0.50	<0.50	--
	08/31/2004	23	<5.0	<50	<0.50	<1.0	<0.50	<0.50	<0.50	--
	11/18/2004	7.2	<5.0	<50	<0.50	<1.0	<0.50	<0.50	<0.50	--
	03/25/2005	6.2	--	<50	--	--	--	--	--	--
	06/22/2005	11	--	<100	--	--	--	--	--	--
	09/26/2005	5.6	--	<100	--	--	--	--	--	--
	12/20/2005	3.2	<10	<250	<0.50	<0.50	<0.50	<0.50	<0.50	--
	03/29/2006	3.4	--	<250	--	--	--	--	--	--
	06/12/2006	1	<10	<250	<0.50	<0.50	<0.50	<0.50	<0.50	--
	09/27/2006	<0.50	--	<250	--	--	--	--	--	--
	12/27/2006	<0.50	--	<250	--	--	--	--	--	--
	03/16/2007	<0.50	--	<250	--	--	--	--	--	--
	06/27/2007	<0.50	--	<250	--	--	--	--	--	--
	09/27/2007	<0.50	--	<250	--	--	--	--	--	--
	12/26/2007	<0.50	--	<250	--	--	--	--	--	--

Table 4
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3070 Fruitvale Avenue
Oakland, California

WELL ID	DATE	MTBE (µg/L)	TBA (µg/L)	ETHANOL (µg/L)	ETBE (µg/L)	DIPE (µg/L)	TAME (µg/L)	EDB (µg/L)	EDC (µg/L)	Total Chromium (µg/L)
MW-1	03/26/2008	<0.50	--	<250	--	--	--	--	--	--
(Continued)	06/17/2008	<0.50	--	<250	--	--	--	--	--	--
	09/15/2008	<0.50	--	<250	--	--	--	--	--	--
	12/30/2008	<0.50	--	<250	--	--	--	--	--	--
	03/30/2009	<0.50	--	<250	--	--	--	--	--	--
	06/25/2009	<0.50	--	<250	--	--	--	--	--	--
	12/17/2009	<0.50	--	<250	--	--	--	--	--	--
	06/29/2010	<0.50	--	<250	--	--	--	<0.50	<0.50	--
	12/30/2010	<0.50	--	<250	--	--	--	<0.50	<0.50	--
	06/10/2011	<0.50	--	<250	--	--	--	<0.50	<0.50	--
	12/13/2011	<0.50	--	<250	--	--	--	--	--	--
	06/04/2012	<0.50	--	<250	--	--	--	<0.50	<0.50	--
	12/07/2012	<0.50	--	<250	--	--	--	<0.50	<0.50	--
	06/26/2013	<0.50	--	<250	--	--	--	<0.50	<0.50	--
	12/20/2013	<0.50	--	<250	--	--	--	<0.50	<0.50	--
MW-2	05/03/2000	ND[2]	--	--	--	--	--	--	--	--
	07/28/2000	24[2]	--	--	--	--	--	--	--	--
	10/29/2000	ND[2]	--	--	--	--	--	--	--	--
	02/09/2001	ND[2]	--	--	--	--	--	--	--	--
	05/11/2001	ND[2]	--	--	--	--	--	--	--	--
	08/10/2001	<5.0[2]	--	--	--	--	--	--	--	--
	11/07/2001	<10[2]	--	--	--	--	--	--	--	--
	02/06/2002	<5.0[2]	--	--	--	--	--	--	--	--
	05/08/2002	<5.0[2]	--	--	--	--	--	--	--	--
	08/09/2002	<2.0	--	--	--	--	--	--	--	--
	11/26/2002	<2.0	--	--	--	--	--	--	--	--
	02/14/2003	<2.0	--	--	--	--	--	--	--	--
	05/03/2003	<2.0	--	--	--	--	--	--	--	--
	08/01/2003	<2.0	--	<500	--	--	--	--	--	--

Table 4
Historical Groundwater Analytical Results - Oxygenate Compounds and Total Chromium
Unocal No. 4625 (351641)
3070 Fruitvale Avenue
Oakland, California

WELL ID	DATE	MTBE (µg/L)	TBA (µg/L)	ETHANOL (µg/L)	ETBE (µg/L)	DIPE (µg/L)	TAME (µg/L)	EDB (µg/L)	EDC (µg/L)	Total Chromium (µg/L)
MW-2	10/30/2003	<2.0	--	<500	--	--	--	--	--	--
(Continued)	01/29/2004	<2.0	--	<500	--	--	--	--	--	--
	05/27/2004	<0.50	--	<50	--	--	--	--	--	--
	08/31/2004	<0.50	--	<50	--	--	--	--	--	--
	11/18/2004	<0.50	--	<50	--	--	--	--	--	--
	03/25/2005	<0.50	--	<50	--	--	--	--	--	--
	06/22/2005	<0.50	--	<1000	--	--	--	--	--	--
	09/26/2005	<0.50	--	<1000	--	--	--	--	--	--
	12/20/2005	<0.50	--	<250	--	--	--	--	--	--
	03/29/2006	<0.50	--	<250	--	--	--	--	--	--
	06/12/2006	<0.50	--	<250	--	--	--	--	--	--
	09/27/2006	<0.50	--	<250	--	--	--	--	--	--
	12/27/2006	<0.50	--	<250	--	--	--	--	--	--
	03/16/2007	<0.50	--	<250	--	--	--	--	--	--
	06/27/2007	<0.50	--	<250	--	--	--	--	--	--
	09/27/2007	0.7	--	<250	--	--	--	--	--	--
	12/26/2007	0.56	--	<250	--	--	--	--	--	--
	3/26/2008	<0.50	--	<250	--	--	--	--	--	--
	6/17/2008	<0.50	--	<250	--	--	--	--	--	--
	9/15/2008	<0.50	--	<250	--	--	--	--	--	--
	12/30/2008	<0.50	--	<250	--	--	--	--	--	--
	3/30/2009	<0.50	--	<250	--	--	--	--	--	--
	6/25/2009	<0.50	--	<250	--	--	--	--	--	--
	12/17/2009	0.81	--	<250	--	--	--	--	--	--
	6/29/2010	0.86	--	<250	--	--	--	<0.50	<0.50	--
	12/30/2010	0.62	--	<250	--	--	--	<0.50	<0.50	--
	06/10/2011	1.7	--	<250	--	--	--	<0.50	<0.50	--
	12/13/2011	1.1	--	<250	--	--	--	--	--	--
	06/04/2012	3.9	--	<250	--	--	--	<0.50	<0.50	--
	12/07/2012	<0.50	--	<250	--	--	--	<0.50	<0.50	--
	06/26/2013	2.1	--	<250	--	--	--	<0.50	<0.50	--
	12/20/2013	0.78	--	<250	--	--	--	<0.50	<0.50	--

Table 4
Historical Groundwater Analytical Results - Oxygenate Compounds and Total Chromium
Unocal No. 4625 (351641)
3070 Fruitvale Avenue
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WELL ID	DATE	MTBE (µg/L)	TBA (µg/L)	ETHANOL (µg/L)	ETBE (µg/L)	DIPE (µg/L)	TAME (µg/L)	EDB (µg/L)	EDC (µg/L)	Total Chromium (µg/L)
MW-3	05/03/2000	ND[2]	<100	<500	<2.0	<2.0	<2.0	--	<2.0	ND
	07/28/2000	ND[2]	--	<500	--	--	--	--	--	1800
	10/29/2000	ND[2]	--	<500	--	--	--	--	--	ND
	02/09/2001	ND[2]	--	<500	--	--	--	--	--	38
	05/11/2001	ND[2]	--	<50	--	--	--	--	--	ND
	08/10/2001	<5.0[2]	--	<50	--	--	--	--	--	<10
	11/07/2001	<5.0[2]	--	<50	--	--	--	--	--	<10
	02/06/2002	<5.0[2]	--	<50	--	--	--	--	--	110
	05/08/2002	<5.0[2]	--	<100	--	--	--	--	--	37
	08/09/2002	<2.0	--	<1000	--	--	--	--	--	700
	11/26/2002	<2.0	--	<250	--	--	--	--	--	340
	02/14/2003	<2.0	--	<250	--	--	--	--	--	74
	05/03/2003	<2.0	--	<250	--	--	--	--	--	480
	08/01/2003	<2.0	--	<250	--	--	--	--	--	280
	10/30/2003	<5.0	--	<250	--	--	--	--	--	130
	01/29/2004	<2.0	--	<250	--	--	--	--	--	27
	05/27/2004	<0.50	--	<250	--	--	--	--	--	6.1
	08/31/2004	<5.0	--	<250	--	--	--	--	--	1000
	11/18/2004	<0.50	--	<250	--	--	--	--	--	<5.0
	11/18/2004	<0.50	--	--	--	--	--	--	--	--
	03/25/2005	0.97	--	<250	--	--	--	--	--	<5.0
	06/22/2005	<0.50	--	<250	--	--	--	--	--	24
	09/26/2005	<0.50	--	--	--	--	--	--	--	--
	09/26/2005	<0.50	--	<250	--	--	--	--	--	170
	12/20/2005	<0.50	--	<250	--	--	--	--	--	<10
	03/29/2006	0.54	--	--	--	--	--	--	--	--
	03/29/2006	0.54	--	<250	--	--	--	--	--	49
	06/12/2006	<0.50	--	<250	--	--	--	--	--	59
	06/12/2006	<0.50	--	--	--	--	--	--	--	--
	09/27/2006	<0.50	--	--	--	--	--	--	--	--

Table 4
Historical Groundwater Analytical Results - Oxygenate Compounds and Total Chromium
Unocal No. 4625 (351641)
3070 Fruitvale Avenue
Oakland, California

WELL ID	DATE	MTBE (µg/L)	TBA (µg/L)	ETHANOL (µg/L)	ETBE (µg/L)	DIPE (µg/L)	TAME (µg/L)	EDB (µg/L)	EDC (µg/L)	Total Chromium (µg/L)
MW-3	09/27/2006	<0.50	--	<250	--	--	--	--	--	15
(Continued)	12/27/2006	<0.50	--	<250	--	--	--	--	--	37
	12/27/2006	<0.50	--	--	--	--	--	--	--	--
	03/16/2007	<0.50	--	<250	--	--	--	--	--	50
	03/16/2007	<0.50	--	--	--	--	--	--	--	--
	06/27/2007	<0.50	--	<250	--	--	--	--	--	120
	09/27/2007	<0.50	--	<250	--	--	--	--	--	170
	12/26/2007	<0.50	--	<250	--	--	--	--	--	96
	03/26/2008	<0.50	--	<250	--	--	--	--	--	190
	06/17/2008	<0.50	--	<250	--	--	--	--	--	170
	09/15/2008	<0.50	--	<250	--	--	--	--	--	360
	12/30/2008	<0.50	--	<250	--	--	--	--	--	160
	03/30/2009	<0.50	--	<250	--	--	--	--	--	66
	06/25/2009	<0.50	--	<250	--	--	--	--	--	88
	12/17/2009	<0.50	--	<250	--	--	--	--	--	36
	06/29/2010	<0.50	--	<250	--	--	--	<0.50	<0.50	100
	12/30/2010	<0.50	--	<250	--	--	--	<0.50	<0.50	31
	06/10/2011	<0.50	<10	<250	<0.50	<0.50	<0.50	<0.50	<0.50	81
	12/13/2011	<0.50	<10	<250	<0.50	<0.50	<0.50	<0.50	<0.50	<10
	06/04/2012	<0.50	<10	<250	<0.50	<0.50	<0.50	<0.50	<0.50	34
	12/07/2012	<0.50	<10	<250	<0.50	<0.50	<0.50	<0.50	<0.50	12
	06/26/2013	<0.50	<10	<250	<0.50	<0.50	<0.50	<0.50	<0.50	85
	12/20/2013	<0.50	<10	<250	<0.50	<0.50	<0.50	<0.50	<0.50	41
MW-4	05/03/2000	ND[2]	<100	--	<2.0	<2.0	<2.0	--	<2.0	--
	07/28/2000	ND[2]	--	--	--	--	--	--	--	--
	10/29/2000	ND[2]	--	--	--	--	--	--	--	--
	02/09/2001	ND[2]	--	--	--	--	--	--	--	--
	05/11/2001	ND[2]	--	--	--	--	--	--	--	--
	08/10/2001	<5.0[2]	--	--	--	--	--	--	--	--
	11/07/2001	<5.0[2]	--	--	--	--	--	--	--	--
	02/06/2002	<5.0[2]	--	--	--	--	--	--	--	--

Table 4
Historical Groundwater Analytical Results - Oxygenate Compounds and Total Chromium
Unocal No. 4625 (351641)
3070 Fruitvale Avenue
Oakland, California

WELL ID	DATE	MTBE (µg/L)	TBA (µg/L)	ETHANOL (µg/L)	ETBE (µg/L)	DIPE (µg/L)	TAME (µg/L)	EDB (µg/L)	EDC (µg/L)	Total Chromium (µg/L)
MW-4	05/08/2002	<5.0[2]	--	--	--	--	--	--	--	--
(Continued)	08/09/2002	<2.0	--	--	--	--	--	--	--	--
	11/26/2002	<2.0	--	--	--	--	--	--	--	--
	02/14/2003	<2.0	--	<500	--	--	--	--	--	--
	05/03/2003	<2.0	--	--	--	--	--	--	--	--
	08/01/2003	<2.0	--	<500	--	--	--	--	--	--
	10/30/2003	<2.0	--	<500	--	--	--	--	--	--
	01/29/2004	<2.0	--	<500	--	--	--	--	--	--
	05/27/2004	<0.50	--	<50	--	--	--	--	--	--
	08/31/2004	<0.50	--	<50	--	--	--	--	--	--
	11/18/2004	<0.50	--	<50	--	--	--	--	--	--
	03/25/2005	<0.50	--	<50	--	--	--	--	--	--
	06/22/2005	<0.50	--	<1000	--	--	--	--	--	--
	09/26/2005	<0.50	--	<1000	--	--	--	--	--	--
	12/20/2005	<0.50	--	<250	--	--	--	--	--	--
	03/29/2006	<0.50	--	<250	--	--	--	--	--	--
	06/12/2006	<0.50	--	<250	--	--	--	--	--	--
	09/27/2006	<0.50	--	<250	--	--	--	--	--	--
	12/27/2006	<0.50	--	<250	--	--	--	--	--	--
	03/16/2007	<0.50	--	<250	--	--	--	--	--	--
	06/27/2007	<0.50	--	<250	--	--	--	--	--	--
	09/27/2007	<0.50	--	<250	--	--	--	--	--	--
	12/26/2007	<0.50	--	<250	--	--	--	--	--	--
	03/26/2008	<0.50	--	<250	--	--	--	--	--	--
	06/17/2008	<0.50	--	<250	--	--	--	--	--	--
	09/15/2008	<0.50	--	<250	--	--	--	--	--	--
	12/30/2008	<0.50	--	<250	--	--	--	--	--	--
	03/30/2009	<0.50	--	<250	--	--	--	--	--	--
	06/25/2009	<0.50	--	<250	--	--	--	--	--	--
	12/17/2009	<0.50	--	<250	--	--	--	--	--	--
	06/29/2010	<0.50	--	<250	--	--	--	<0.50	<0.50	--

Table 4
Historical Groundwater Analytical Results - Oxygenate Compounds and Total Chromium
Unocal No. 4625 (351641)
3070 Fruitvale Avenue
Oakland, California

WELL ID	DATE	MTBE (µg/L)	TBA (µg/L)	ETHANOL (µg/L)	ETBE (µg/L)	DIPE (µg/L)	TAME (µg/L)	EDB (µg/L)	EDC (µg/L)	Total Chromium (µg/L)
MW-4	12/30/2010	<0.50	--	<250	--	--	--	<0.50	<0.50	--
(Continued)	06/10/2011	<0.50	--	<250	--	--	--	<0.50	<0.50	--
	12/13/2011	<0.50	--	<250	--	--	--	--	--	--
	06/04/2012	<0.50	--	<250	--	--	--	<0.50	<0.50	--
	12/07/2012	<0.50	--	<250	--	--	--	<0.50	<0.50	--
	06/26/2013	<0.50	--	<250	--	--	--	<0.50	<0.50	--
	12/20/2013	<0.50	--	<250	--	--	--	<0.50	<0.50	--
MW-5	11/26/2002	470	<1000	<5000	<20	<20	<20	<20	<20	--
	2/14/2003	960	<1000	<5000	<20	<20	<20	<20	<20	--
	5/3/2003	1500	<1000	<50000	<20	<20	<20	<20	<20	--
	8/1/2003	630	<1000	<5000	<20	<20	<20	<20	<20	--
	10/30/2003	330	<500	<2500	<10	<10	<10	<10	<10	--
	1/29/2004	1100	<1000	<5000	<20	<20	<20	<20	<20	--
	5/27/2004	400	<5.0	<500	<5.0	<10	<5.0	<5.0	<5.0	--
	8/31/2004	250	<25	<25	<2.5	<5.0	<2.5	<2.5	<2.5	--
	11/18/2004	1100	140	<1000	<10	<20	<10	<10	<10	--
	3/25/2005	1000	<250	<2500	<25	<25	<25	<25	<25	--
	6/22/2005	420	16	<1000	<0.50	<0.50	<0.50	<0.50	<0.50	--
	9/26/2005	180	<10	<1000	<0.50	<0.50	<0.50	<0.50	<0.50	--
	12/20/2005	300	<500	<12000	<25	<25	<25	<25	<25	--
	3/29/2006	680	<100	<2500	<0.50	<0.50	<0.50	<0.50	<0.50	--
	6/12/2006	500	<100	<2500	<0.50	<0.50	<0.50	<0.50	<0.50	--
	9/27/2006	220	<10	<250	<0.50	<0.50	<0.50	<0.50	<0.50	--
	12/27/2006	580	93	<250	<0.50	<0.50	<0.50	<0.50	<0.50	--
	3/16/2007	480	45	<250	<0.50	<0.50	<0.50	<0.50	<0.50	--
	6/27/2007	370	51	<250	<0.50	<0.50	<0.50	<0.50	<0.50	--
	9/27/2007	140	ND<10	<250	<0.50	<0.50	<0.50	<0.50	<0.50	--
	12/26/2007	650	230	<250	<0.50	<0.50	<0.50	<0.50	<0.50	--
	3/26/2008	500	230	<2500	<5.0	<5.0	<5.0	<5.0	<5.0	--
	6/17/2008	290	77	<250	<0.50	<0.50	<0.50	<0.50	<0.50	--
	9/15/2008	99	32	<250	<0.50	<0.50	<0.50	<0.50	<0.50	--

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WELL ID	DATE	MTBE (µg/L)	TBA (µg/L)	ETHANOL (µg/L)	ETBE (µg/L)	DIPE (µg/L)	TAME (µg/L)	EDB (µg/L)	EDC (µg/L)	Total Chromium (µg/L)
MW-5	12/30/2008	150	300	<250	<0.50	<0.50	<0.50	<0.50	<0.50	--
(Continued)	3/30/2009	130	ND<10	<250	<0.50	<0.50	<0.50	<0.50	<0.50	--
	6/25/2009	110	ND<10	<250	<0.50	<0.50	<0.50	<0.50	<0.50	--
	12/17/2009	190	320	<250	<0.50	<0.50	<0.50	<0.50	<0.50	--
	6/29/2010	88	110	<250	<0.50	<0.50	<0.50	<0.50	<0.50	--
	12/30/2010	120	790	<2500	<5.0	<5.0	<5.0	<5.0	<5.0	--
	06/10/2011	170	160	<250	<0.50	<0.50	<0.50	<0.50	<0.50	--
	12/13/2011	60	<10	<250	<0.50	<0.50	<0.50	<0.50	<0.50	--
	06/04/2012	84	79	<250	<0.50	<0.50	<0.50	<0.50	<0.50	--
	12/07/2012	70	130	<250	<0.50	<0.50	<0.50	<0.50	<0.50	--
	06/26/2013	9.7	22	<250	<0.50	<0.50	<0.50	<0.50	<0.50	--
	12/20/2013	14	230	<250	<0.50	<0.50	<0.50	<0.50	<0.50	--
MW-6	11/26/2002	490	<2000	<10000	<40	<40	<40	<40	<40	--
	2/14/2003	360	<2000	<10000	<40	<40	<40	<100	<40	--
	5/3/2003	300	<5000	<25000	<100	<100	<100	<80	<100	--
	8/1/2003	660	<4000	<20000	<80	<80	<80	<20	<80	--
	10/30/2003	450	<1000	<5000	<20	<20	<20	<2.0	<20	--
	1/29/2004	62	<100	<500	<2.0	<2.0	<2.0	<2.5	<2.0	--
	5/27/2004	410	<25	<250	<2.5	<5.0	<2.5	<2.5	<2.5	--
	8/31/2004	360	<25	<250	<2.5	<5.0	<2.5	<0.50	<2.5	--
	11/18/2004	130	8.1	<50	<0.50	<1.0	<0.50	<0.50	<0.50	--
	3/25/2005	90	45	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--
	6/22/2005	360	<10	<1000	<0.50	<0.50	<0.50	<0.50	<0.50	--
	9/26/2005	160	<10	<1000	<0.50	<0.50	<0.50	<0.50	<0.50	--
	12/20/2005	<0.50	<10	<250	<0.50	<0.50	<0.50	<0.50	<0.50	--
	3/29/2006	130	<10	<250	<0.50	<0.50	<0.50	<2.5	<0.50	--
	6/12/2006	310	<50	<1200	<2.5	<2.5	<2.5	<0.50	<2.5	--
	9/27/2006	220	<10	<250	<0.50	<0.50	<0.50	<0.50	<0.50	--
	12/27/2006	75	<10	<250	<0.50	<0.50	<0.50	<0.50	<0.50	--
	3/16/2007	82	<10	<250	<0.50	<0.50	<0.50	<0.50	<0.50	--
	6/27/2007	370	<10	<250	<0.50	<0.50	<0.50	<0.50	<0.50	--

Table 4
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WELL ID	DATE	MTBE (µg/L)	TBA (µg/L)	ETHANOL (µg/L)	ETBE (µg/L)	DIPE (µg/L)	TAME (µg/L)	EDB (µg/L)	EDC (µg/L)	Total Chromium (µg/L)
MW-6	9/27/2007	190	110	<250	<0.50	<0.50	<0.50	<0.50	<0.50	--
(Continued)	12/26/2007	51	<10	<250	<0.50	<0.50	<0.50	<0.50	<0.50	--
	3/26/2008	97	14	<250	<0.50	<0.50	<0.50	<0.50	<0.50	--
	6/17/2008	250	<10	<250	<0.50	<0.50	<0.50	<0.50	<0.50	--
	9/15/2008	200	<10	<250	<0.50	<0.50	<0.50	<0.50	<0.50	--
	12/30/2008	16	12	<250	<0.50	<0.50	<0.50	<0.50	<0.50	--
	3/30/2009	9.8	<10	<250	<0.50	<0.50	<0.50	<0.50	<0.50	--
	6/25/2009	270	<10	<250	<0.50	<0.50	<0.50	<0.50	<0.50	--
	12/17/2009	16	<10	<250	<0.50	<0.50	<0.50	<0.50	<0.50	--
	6/29/2010	200	<10	<250	<0.50	<0.50	<0.50	<0.50	<0.50	--
	12/30/2010	3.9	<10	<250	<0.50	<0.50	<0.50	<0.50	<0.50	--
	06/10/2011	45	<10	<250	<0.50	<0.50	<0.50	<0.50	<0.50	--
	12/13/2011	12	<10	<250	<0.50	<0.50	<0.50	<0.50	<0.50	--
	06/04/2012	82	<10	<250	<0.50	<0.50	<0.50	<0.50	<0.50	--
	12/07/2012	3.1	<10	<250	<0.50	<0.50	<0.50	<0.50	<0.50	--
	06/26/2013	3.4	11	<250	<0.50	<0.50	<0.50	<0.50	<0.50	--
	12/20/2013	10	<10	<250	<0.50	<0.50	<0.50	<0.50	<0.50	--
MW-7	9/27/2007	16	<10	<250	<0.50	<0.50	<0.50	<0.50	<0.50	--
	12/26/2007	12	<10	<250	<0.50	<0.50	<0.50	<0.50	<0.50	--
	3/26/2008	7	<10	<250	<0.50	<0.50	<0.50	<0.50	<0.50	--
	6/17/2008	2.4	<10	<250	<0.50	<0.50	<0.50	<0.50	<0.50	--
	9/15/2008	1.4	<10	<250	<0.50	<0.50	<0.50	<0.50	<0.50	--
	12/30/2008	0.7	<10	<250	<0.50	<0.50	<0.50	<0.50	<0.50	--
	3/30/2009	<0.50	<10	<250	<0.50	<0.50	<0.50	<0.50	<0.50	--
	6/25/2009	<0.50	<10	<250	<0.50	<0.50	<0.50	<0.50	<0.50	--
	12/17/2009	<0.50	<10	<250	<0.50	<0.50	<0.50	<0.50	<0.50	--
	6/29/2010	<0.50	<10	<250	<0.50	<0.50	<0.50	<0.50	<0.50	--
	12/30/2010	<0.50	<10	<250	<0.50	<0.50	<0.50	<0.50	<0.50	--
	06/10/2011	<0.50	<10	<250	<0.50	<0.50	<0.50	<0.50	<0.50	--
	12/13/2011	<0.50	<10	<250	<0.50	<0.50	<0.50	<0.50	<0.50	--
	06/04/2012	<0.50	<10	<250	<0.50	<0.50	<0.50	<0.50	<0.50	--

Table 4
Historical Groundwater Analytical Results - Oxygenate Compounds and Total Chromium
Unocal No. 4625 (351641)
3070 Fruitvale Avenue
Oakland, California

WELL ID	DATE	MTBE (µg/L)	TBA (µg/L)	ETHANOL (µg/L)	ETBE (µg/L)	DIPE (µg/L)	TAME (µg/L)	EDB (µg/L)	EDC (µg/L)	Total Chromium (µg/L)
MW-7	12/07/2012	<0.50	<10	<250	<0.50	<0.50	<0.50	<0.50	<0.50	--
(Continued)	06/26/2013	<0.50	<10	<250	<0.50	<0.50	<0.50	<0.50	<0.50	--
	12/20/2013	<0.50	<10	<250	<0.50	<0.50	<0.50	<0.50	<0.50	--
MW-8	9/27/2007	<0.50	<10	<250	<0.50	<0.50	<0.50	<0.50	<0.50	--
	12/26/2007	<0.50	<10	<250	<0.50	<0.50	<0.50	<0.50	<0.50	--
	3/26/2008	<0.50	<10	<250	<0.50	<0.50	<0.50	<0.50	<0.50	--
	6/17/2008	<0.50	14	<250	<0.50	<0.50	<0.50	<0.50	<0.50	--
	9/15/2008	<0.50	<10	<250	<0.50	<0.50	<0.50	<0.50	<0.50	--
	12/30/2008	<0.50	<10	<250	<0.50	<0.50	<0.50	<0.50	<0.50	--
	3/30/2009	<0.50	<10	<250	<0.50	<0.50	<0.50	<0.50	<0.50	--
	6/25/2009	<0.50	<10	<250	<0.50	<0.50	<0.50	<0.50	<0.50	--
	12/17/2009	<0.50	<10	<250	<0.50	<0.50	<0.50	<0.50	<0.50	--
	6/29/2010	<0.50	<10	<250	<0.50	<0.50	<0.50	<0.50	<0.50	--
	12/30/2010	<0.50	<10	<250	<0.50	<0.50	<0.50	<0.50	<0.50	--
	06/10/2011	<0.50	<10	<250	<0.50	<0.50	<0.50	<0.50	<0.50	--
	12/13/2011	<0.50	<10	<250	<0.50	<0.50	<0.50	<0.50	<0.50	--
	06/04/2012	<0.50	<10	<250	<0.50	<0.50	<0.50	<0.50	<0.50	--
	12/07/2012	<0.50	<10	<250	<0.50	<0.50	<0.50	<0.50	<0.50	--
	06/26/2013	<0.50	<10	<250	<0.50	<0.50	<0.50	<0.50	<0.50	--
	12/20/2013	<0.50	<10	<250	<0.50	<0.50	<0.50	<0.50	<0.50	--
MW-9	9/27/2007	<0.50	<10	<250	<0.50	<0.50	<0.50	<0.50	<0.50	--
	12/26/2007	<0.50	<10	<250	<0.50	<0.50	<0.50	<0.50	<0.50	--
	3/26/2008	<0.50	<10	<250	<0.50	<0.50	<0.50	<0.50	<0.50	--
	6/17/2008	<0.50	22	<250	<0.50	<0.50	<0.50	<0.50	<0.50	--
	9/15/2008	<0.50	<10	<250	<0.50	<0.50	<0.50	<0.50	<0.50	--
	12/30/2008	<0.50	<10	<250	<0.50	<0.50	<0.50	<0.50	<0.50	--
	3/30/2009	<0.50	<10	<250	<0.50	<0.50	<0.50	<0.50	<0.50	--
	6/25/2009	<0.50	<10	<250	<0.50	<0.50	<0.50	<0.50	<0.50	--
	12/17/2009	<0.50	<10	<250	<0.50	<0.50	<0.50	<0.50	<0.50	--
	6/29/2010	<0.50	<10	<250	<0.50	<0.50	<0.50	<0.50	<0.50	--
	12/30/2010	<0.50	<10	<250	<0.50	<0.50	<0.50	<0.50	<0.50	--
	06/10/2011	<0.50	<10	<250	<0.50	<0.50	<0.50	<0.50	<0.50	--
	12/13/2011	<0.50	<10	<250	<0.50	<0.50	<0.50	<0.50	<0.50	--
MW-9	06/04/2012	<0.50	<10	<250	<0.50	<0.50	<0.50	<0.50	<0.50	--

Table 4
Historical Groundwater Analytical Results - Oxygenate Compounds and Total Chromium
Unocal No. 4625 (351641)
3070 Fruitvale Avenue
Oakland, California

WELL ID	DATE	MTBE (µg/L)	TBA (µg/L)	ETHANOL (µg/L)	ETBE (µg/L)	DIPE (µg/L)	TAME (µg/L)	EDB (µg/L)	EDC (µg/L)	Total Chromium (µg/L)
(Continued)	12/07/2012	<0.50	<10	<250	<0.50	<0.50	<0.50	<0.50	<0.50	--
	06/26/2013	<0.50	<10	<250	<0.50	<0.50	<0.50	<0.50	<0.50	--
	12/20/2013	<0.50	<10	<250	<0.50	<0.50	<0.50	<0.50	<0.50	--
USTW	5/3/2000	--	--	--	--	--	--	--	--	--
	7/28/2000	--	--	--	--	--	--	--	--	--
	10/29/2000	--	--	--	--	--	--	--	--	--
	2/9/2001	--	--	--	--	--	--	--	--	--
	5/11/2001	--	--	--	--	--	--	--	--	--
	8/10/2001	--	--	--	--	--	--	--	--	--
	11/7/2001	--	--	--	--	--	--	--	--	--
	2/6/2002	--	--	--	--	--	--	--	--	--
	5/8/2002	--	--	--	--	--	--	--	--	--
	8/9/2002	--	--	--	--	--	--	--	--	--
	11/26/2002	--	--	--	--	--	--	--	--	--
	5/3/2003	--	--	--	--	--	--	--	--	--
	8/1/2003	--	--	--	--	--	--	--	--	--
	10/30/2003	--	--	--	--	--	--	--	--	--
	1/29/2004	--	--	--	--	--	--	--	--	--
	5/27/2004	--	--	--	--	--	--	--	--	--
	8/31/2004	--	--	--	--	--	--	--	--	--
	11/18/2004	--	--	--	--	--	--	--	--	--
	3/25/2005	--	--	--	--	--	--	--	--	--
	6/22/2005	--	--	--	--	--	--	--	--	--
	9/26/2005	--	--	--	--	--	--	--	--	--
	12/20/2005	--	--	--	--	--	--	--	--	--
	3/29/2006	--	--	--	--	--	--	--	--	--
	6/12/2006	--	--	--	--	--	--	--	--	--
	9/27/2006	--	--	--	--	--	--	--	--	--

Table 4
Historical Groundwater Analytical Results - Oxygenate Compounds and Total Chromium
Unocal No. 4625 (351641)
3070 Fruitvale Avenue
Oakland, California

WELL ID	DATE	MTBE (µg/L)	TBA (µg/L)	ETHANOL (µg/L)	ETBE (µg/L)	DIPE (µg/L)	TAME (µg/L)	EDB (µg/L)	EDC (µg/L)	Total Chromium (µg/L)
USTW	12/27/2006	--	--	--	--	--	--	--	--	--
(Continued)	3/16/2007	--	--	--	--	--	--	--	--	--
	6/27/2007	--	--	--	--	--	--	--	--	--
	9/27/2007	--	--	--	--	--	--	--	--	--
	12/26/2007	--	--	--	--	--	--	--	--	--
	3/26/2008	--	--	--	--	--	--	--	--	--
	6/17/2008	--	--	--	--	--	--	--	--	--
	9/15/2008	--	--	--	--	--	--	--	--	--
	12/30/2008	--	--	--	--	--	--	--	--	--
	3/30/2009	--	--	--	--	--	--	--	--	--
	6/25/2009	--	--	--	--	--	--	--	--	--
	12/17/2009	--	--	--	--	--	--	--	--	--
	6/29/2010	--	--	--	--	--	--	--	--	--
	12/30/2010	--	--	--	--	--	--	--	--	--
	06/10/2011	--	--	--	--	--	--	--	--	--
	12/13/2011	--	--	--	--	--	--	--	--	--
	06/04/2012	--	--	--	--	--	--	--	--	--
	12/7/2012		--	--	--	--	--	--	--	--
	06/26/2013	--	--	--	--	--	--	--	--	--
	12/20/2013	--	--	--	--	--	--	--	--	--

NOTES:

Oxygenate compounds analyzed by Unites States Environmental Protection Agency Method 8260B

Total Chromium analyzed by Unites States Environmental Protection Agency Method 6010B

ID = Identification

-- = Not available/Not Analyzed

µg/L = Micrograms per liter

MTBE = Methyl t-butyl ether

TBA = T-butyl alcohol

DIPE = Diisopropyl ether

ETBE = Ethyl t-butyl ether

TAME = T-amyl methyl ether

EDB = 1,2-dibromoethane

EDC = 1,2-dichloroethane

ND = Not detected

² = MTBE analyzed using Unites States Environmental Protection Agency Method 8021B

<# = Analyte not detected at or above indicated practical quantitation limit

TABLE 3 - GROUNDWATER CHEMICAL ANALYTICAL DATA

Former Tosco (76) Service Station No. 4625
3070 Fruitvale Avenue
Oakland, California

Sample No.	Sample Date	Sample Depth (feet)	TPHg (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Total Xylenes (ppb)	TBA (ppb)	MTBE (ppb)	DIPE (ppb)	ETBE (ppb)	TAME (ppb)	1,2-DCA (ppb)	EDB (ppb)	Ethanol (ppb)
Monitoring Wells															
MW-5	11/26/2002	--	2,500	350	39	32	640	<1,000	470	<20	<20	<20	<20	<20	<5,000
MW-6	11/26/2002	--	11,000	1,200	2,000	400	2,300	<2,000	490	<40	<40	<40	<40	<40	<10,000
Soil Borings															
B-1-W (12)	11/20/2002	12.0	190,000	19,000	38,000	5,900	30,000	<5,000	57,000	<500	<500	<500	<500	<500	<50,000
B-2-W (14.5)[1]	11/20/2002	14.5	17,000	1,600	2,800	590	2,500	<100	240	<10	<10	<10	<10	<10	<1,000

EXPLANATIONS:

feet = feet below ground surface
ppb = parts per billion
-- = not applicable
<50 = analyte not detected at or above laboratories reporting limit
[1] = This sample was originally analyzed with the EPA recommended holding time. Re-analysis for confirmation or dilution was performed past the recommended hold time. The results may still be useful for their intended purpose.

ANALYTICAL LABORATORY:

Severn Trent Laboratories Pleasanton, CA (ELAP # 2496)
Sequoia Analytical Sacramento, CA (ELAP #1624)

ANALYTICAL METHODS:

TPHg = Total Petroleum Hydrocarbons as gasoline according to EPA Method 8260B
Benzene, Toluene, Ethylbenzene and Xylenes according to EPA Method 8260B
TBA = tert-Butyl alcohol by EPA Method 8260B
MTBE = Methyl tert-butyl ether by EPA Method 8260B
DIPE = Di-isopropyl ether by EPA Method 8260B
ETBE = Ethyl tert-butyl ether by EPA Method 8260B
TAME = tert-Amyl methyl ether by EPA Method 8260B
1,2-DCA = 1,2-Dichloroethane by EPA Method 8260B
Ethanol by EPA Method 8260B
EDB = Ethylene dibromide by EPA Method 8260B

Table 1
GRAB GROUNDWATER ANALYTICAL RESULTS*
76 Station #4625
3070 Fruitvale Avenue, Oakland, CA

Sample ID	Date Sampled	Sample Interval (fbg)	TPPH (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TAME (µg/L)	TBA (µg/L)	DIPE (µg/L)	EDB (µg/L)	ETBE (µg/L)	1,2-DCA (µg/L)	Ethanol (µg/L)
CPT-1 @ 17'	2/28/2006	17-20	**4,700**	**29**	**140**	**110**	**470**	**160**	<2.5	<25	<5.0	<2.5	**2.5**	<2.5	<500
CPT-1 @ 41'	2/28/2006	41-46	**1,800**	**52**	**170**	**64**	**320**	**25**	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<100
CPT-2 @ 19'	2/28/2006	19-22	<500	<0.50	**0.82**	<0.50	**2.1**	**850**	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<100
CPT-3 @ 17'	3/1/2006	17-20	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<5.0	<1.0	<0.50	<0.50	<0.50	<100
CPT-3 @ 36'	3/1/2006	36-41	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<5.0	<1.0	<0.50	<0.50	<0.50	<100
CPT-4 @ 18'	3/1/2006	18-19	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<5.0	<1.0	<0.50	<0.50	<0.50	<100
CPT-5 @ 16'	3/2/2006	16-17	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<5.0	<1.0	<0.50	<0.50	<0.50	<100
CPT-5 @ 35'	3/2/2006	35-40	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<5.0	<1.0	<0.50	<0.50	<0.50	<100
CPT-6 @ 18'	3/2/2006	18-20	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<5.0	<1.0	<0.50	<0.50	<0.50	<100
CPT-7 @ 19'	3/3/2006	19-21	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<5.0	<1.0	<0.50	<0.50	<0.50	<100

Notes:

* = all constituents anaylzed by EPA method 8260B
TPPH = total purgable petroleum hydrocarbons (C6-C12)
MTBE = methyl teriary butyl ether
TAME = tertiary amyl methyl ether
ETBE = ethyl tertiary butyl ether
TBA = tertiary butyl alcohol
DIPE = di-isopropyl ether
EDB = ethylene dibromide
1,2-DCA = 1,2-dichloroethane
(µg/L) = micrograms per liter
fbg = feet below grade

Attachment D-6
ADDITIONAL HISTORIC ANALYTICAL GROUNDWATER RESULTS
FORMER UNOCAL STATION #4625, CHEVRON STATION #351641
3070 Fruitvale Avenue
OAKLAND, CALIFORNIA

Date Sampled	Total Oil and Grease (mg/l)	Acenaph-thylene (µg/l)	Acetone (µg/l)	Bromo-benzene (µg/l)	Bromo-chloro-methane (µg/l)	Bromo-dichloro-methane (µg/l)	Bromo-form (µg/l)	Bromo-methane (µg/l)	n-Butyl-benzene (µg/l)	sec-Butyl-benzene (µg/l)	tert-Butyl benzene (µg/l)	Carbon Disulfide (µg/l)	Carbon Tetra-chloride (µg/l)	Chloro-benzene (µg/l)	Chloro-ethane (µg/l)
MW-3															
10/30/2003	ND<1.0	--	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<5.0	ND<0.50	ND<0.50	ND<1.0
1/29/2004	ND<1.0	ND<2.7	ND<50	ND<1.0	ND<1.0	ND<0.50	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<5.0	ND<0.50	ND<0.50	ND<1.0
5/27/2004	ND<1.0	ND<4.0	ND<50	ND<1.0	ND<1.0	ND<0.50	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<5.0	ND<0.50	ND<0.50	ND<1.0
8/31/2004	1.2	ND<2.0	ND<50	ND<1.0	ND<1.0	ND<0.50	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<5.0	ND<0.50	ND<0.50	ND<1.0
11/18/2004	ND<5.0	--	ND<50	ND<1.0	ND<1.0	ND<0.50	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<5.0	ND<0.50	ND<0.50	ND<1.0
3/25/2005	ND<2.0	ND<2.0	ND<50	ND<1.0	ND<1.0	ND<0.50	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<5.0	ND<0.50	ND<0.50	ND<1.0
6/22/2005	ND<5.0	--	--	--	--	ND<0.50	ND<0.50	ND<1.0	--	--	--	--	ND<0.50	ND<0.50	ND<0.50
9/26/2005	ND<5.0	--	--	--	--	ND<0.50	ND<0.50	ND<1.0	--	--	--	--	ND<0.50	ND<0.50	ND<0.50
12/20/2005	ND<5.0	--	--	--	--	ND<0.50	ND<0.50	ND<1.0	--	--	--	--	ND<0.50	ND<0.50	ND<0.50
3/29/2006	--	--	--	--	--	ND<0.50	ND<0.50	ND<1.0	--	--	--	--	ND<0.50	ND<0.50	ND<0.50
6/12/2006	ND<5.0	--	--	--	--	ND<0.50	ND<0.50	ND<1.0	--	--	--	--	ND<0.50	ND<0.50	ND<0.50
6/12/2006	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/27/2006	ND<5.0	--	--	--	--	ND<0.50	ND<0.50	ND<1.0	--	--	--	--	ND<0.50	ND<0.50	ND<0.50
12/27/2006	ND<5.0	--	--	--	--	ND<0.50	ND<0.50	ND<1.0	--	--	--	--	ND<0.50	ND<0.50	ND<0.50
3/16/2007	ND<5.0	--	--	--	--	ND<0.50	ND<0.50	ND<1.0	--	--	--	--	ND<0.50	ND<0.50	ND<0.50
6/27/2007	ND<5.0	--	--	--	--	ND<0.50	ND<0.50	ND<1.0	--	--	--	--	ND<0.50	ND<0.50	ND<0.50
9/27/2007	ND<5.0	--	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50
12/26/2007	ND<5.0	--	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50
3/26/2008	ND<5.0	--	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50
6/17/2008	ND<5.0	--	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50
9/15/2008	ND<5.0	--	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50
12/30/2008	ND<5.0	--	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50
3/30/2009	ND<5.0	--	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	0.94	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50
6/25/2009	ND<5.0	--	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50
12/17/2009	ND<5.0	--	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50
6/29/2010	10	--	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	1.4	ND<0.50	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50
12/30/2010	ND<5.0	--	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50

Date Sampled	2-Chloroethyl vinyl ether (µg/l)	Chloroform (µg/l)	Chloro-methane (µg/l)	2-Chloro-toluene (µg/l)	4-Chloro-toluene (µg/l)	1,2Dibrom-3-chloro-propane (µg/l)	Dibromo-chloro-methane (µg/l)	Dibromo-methane (µg/l)	1,2-Dichloro-benzene (µg/l)	1,3-Dichloro-benzene (µg/l)	1,4-Dichloro-benzene (µg/l)	Dichloro-difluoro-methane (µg/l)
MW-3												
10/30/2003	ND<5.0	ND<1.0	ND<1.0	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
1/29/2004	ND<5.0	ND<1.0	ND<1.0	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.7	ND<0.50
5/27/2004	ND<5.0	ND<1.0	ND<1.0	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
8/31/2004	ND<5.0	ND<1.0	ND<1.0	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<2.0	ND<0.50	ND<0.50	ND<0.50
11/18/2004	--	ND<1.0	ND<1.0	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
3/25/2005	--	ND<1.0	ND<1.0	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
6/22/2005	--	0.17J	ND<0.50	--	--	--	ND<0.50	--	ND<2.0	ND<2.0	ND<2.0	--
9/26/2005	--	ND<0.50	ND<0.50	--	--	--	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	--
12/20/2005	--	ND<0.50	ND<0.50	--	--	--	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	--
3/29/2006	--	ND<0.50	ND<0.50	--	--	--	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	--
6/12/2006	--	ND<0.50	ND<0.50	--	--	--	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	--
6/12/2006	--	--	--	--	--	--	--	--	--	--	--	--
9/27/2006	--	ND<0.50	ND<0.50	--	--	--	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	--
12/27/2006	--	ND<0.50	ND<0.50	--	--	--	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	--
3/16/2007	--	ND<0.50	ND<0.50	--	--	--	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	--
6/27/2007	--	ND<0.50	ND<0.50	--	--	--	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	--
9/27/2007	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
12/26/2007	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
3/26/2008	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
6/17/2008	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
9/15/2008	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
12/30/2008	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
3/30/2009	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
6/25/2009	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
12/17/2009	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
6/29/2010	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
12/30/2010	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50

Attachment D-6
ADDITIONAL HISTORIC ANALYTICAL GROUNDWATER RESULTS
FORMER UNOCAL STATION #4625, CHEVRON STATION #351641
3070 Fruitvale Avenue
OAKLAND, CALIFORNIA

Date Sampled	Isopropyl-benzene (µg/l)	p-Isopropyl-toluene (µg/l)	Methyl-ethyl Keytone (µg/l)	Methyl-isobutyl ketone (µg/l)	Methylene chloride (µg/l)	Naph-thalene (µg/l)	n-Propyl-benzene (µg/l)	Styrene (µg/l)	1,1,1,2-Tetrachloro-ethane (µg/l)	1,1,2,2-Tetrachloro-ethane (µg/l)	Tetrachloro-ethene (PCE) (µg/l)	Trichloro-trifluoro-ethane (µg/l)
MW-3												
7/28/2000	--	--	--	--	--	--	--	--	--	--	2.7	--
5/8/2002	--	--	--	--	--	--	--	--	--	--	0.56	--
10/30/2003	ND<0.50	ND<1.0	ND<50	ND<50	ND<5.0	ND<1.0	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
1/29/2004	ND<0.50	ND<1.0	ND<50	ND<50	ND<5.0	ND<1.0	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
5/27/2004	ND<0.50	ND<1.0	ND<50	ND<50	ND<5.0	ND<1.0	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
8/31/2004	ND<0.50	ND<1.0	ND<50	ND<50	ND<5.0	ND<1.0	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
11/18/2004	ND<0.50	ND<1.0	ND<50	ND<50	ND<5.0	ND<1.0	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
3/25/2005	ND<0.50	ND<1.0	ND<50	ND<50	ND<5.0	ND<1.0	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
6/22/2005	--	--	--	--	ND<1.0	ND<2.0	--	--	--	ND<0.50	ND<0.50	ND<0.50
9/26/2005	--	--	--	--	ND<1.0	--	--	--	--	ND<0.50	ND<0.50	ND<0.50
12/20/2005	--	--	--	--	ND<1.0	ND<2.0	--	--	--	ND<0.50	ND<0.50	ND<0.50
3/29/2006	--	--	--	--	ND<1.0	--	--	--	--	ND<0.50	ND<0.50	ND<0.50
6/12/2006	--	--	--	--	ND<1.0	--	--	--	--	ND<0.50	ND<0.50	ND<0.50
6/12/2006	--	--	--	--	--	--	--	--	--	--	--	--
9/27/2006	--	--	--	--	ND<1.0	--	--	--	--	ND<0.50	ND<0.50	ND<0.50
12/27/2006	--	--	--	--	ND<1.0	--	--	--	--	ND<0.50	ND<0.50	ND<0.50
3/16/2007	--	--	--	--	ND<1.0	--	--	--	--	ND<0.50	ND<0.50	ND<0.50
6/27/2007	--	--	--	--	ND<1.0	--	--	--	--	ND<0.50	ND<0.50	ND<0.50
9/27/2007	ND<0.50	ND<0.50	--	--	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
12/26/2007	ND<0.50	ND<0.50	--	--	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
3/26/2008	ND<0.50	ND<0.50	--	--	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
6/17/2008	ND<0.50	ND<0.50	--	--	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
9/15/2008	ND<0.50	ND<0.50	--	--	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
12/30/2008	ND<0.50	ND<0.50	--	--	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
3/30/2009	ND<0.50	ND<0.50	--	--	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
6/25/2009	ND<0.50	ND<0.50	--	--	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
12/17/2009	ND<0.50	ND<0.50	--	--	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
6/29/2010	ND<0.50	0.80	--	--	ND<1.0	ND<0.50	1.3	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
12/30/2010	ND<0.50	ND<0.50	--	--	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50

Date Sampled	1,2,4-Trichloro-benzene (µg/l)	1,2,3-Trichloro-benzene (µg/l)	1,1,1-Trichloro-ethane (µg/l)	1,1,2-Trichloro-ethane (µg/l)	Trichloro-ethene (TCE) (µg/l)	Trichloro-fluoro-methane (µg/l)	1,2,3-Trichloro-propane (µg/l)	1,2,4-Trimethyl-benzene (µg/l)	1,3,5-Trimethyl-benzene (µg/l)	Vinyl-acetate (µg/l)	Vinyl chloride (µg/l)	Acena-phthene (µg/l)
MW-3												
11/7/2001	--	--	--	--	0.55	--	--	--	--	--	--	--
5/8/2002	--	--	--	--	0.86	--	--	--	--	--	--	--
10/30/2003	ND<1.0	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	ND<0.50	ND<25	ND<0.50	--
1/29/2004	ND<1.0	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	ND<0.50	ND<25	ND<0.50	ND<2.7
5/27/2004	ND<1.0	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	ND<0.50	ND<25	ND<0.50	ND<4.0
8/31/2004	ND<1.0	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	ND<0.50	ND<25	ND<0.50	ND<2.0
11/18/2004	ND<1.0	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	ND<0.50	ND<25	ND<0.50	--
3/25/2005	ND<1.0	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	ND<0.50	ND<25	ND<0.50	ND<2.0
6/22/2005	ND<2.0	--	ND<0.50	ND<0.50	0.25J	ND<0.50	--	--	--	--	ND<0.50	ND<2.0
9/26/2005	--	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	ND<0.50	ND<2.0
12/20/2005	ND<2.0	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	ND<0.50	ND<2.0
3/29/2006	--	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	ND<0.50	ND<2.0
6/12/2006	--	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	ND<0.50	ND<2.0
6/12/2006	--	--	--	--	--	--	--	--	--	--	--	--
9/27/2006	--	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	ND<0.50	ND<2.0
12/27/2006	--	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	ND<0.50	ND<2.0
3/16/2007	--	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	ND<0.50	ND<2.0
6/27/2007	--	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	ND<0.50	ND<2.0
9/27/2007	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	--	ND<0.50	ND<2.0
12/26/2007	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	--	ND<0.50	ND<2.0
3/26/2008	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	--	ND<0.50	ND<2.0
6/17/2008	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	--	ND<0.50	ND<2.0
9/15/2008	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	--	ND<0.50	ND<2.0
12/30/2008	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	--	ND<0.50	ND<2.0
3/30/2009	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	--	ND<0.50	ND<2.0
6/25/2009	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	--	ND<0.50	ND<2.0
12/17/2009	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	--	ND<0.50	ND<2.0
6/29/2010	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	--	ND<0.50	ND<2.0
12/30/2010	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	--	ND<0.50	ND<2.0

Date Sampled	Acena-phthylene (svoc) (µg/l)	Anthra-cene (µg/l)	Benzo[a]-anthracene (µg/l)	Benzo[a]-pyrene (µg/l)	Benzo[b]-fluor-anthene (µg/l)	Benzo-[g,h,I]-perylene (µg/l)	Benzo[k]-fluor-anthene (µg/l)	Benzoic Acid (µg/l)	Benzyl Alcohol (µg/l)	Bis(2-chloro-ethoxy) methane (µg/l)	Bis(2-chloro-ethyl) ether (µg/l)	Bis(2-chloro-isopropyl)-ether (µg/l)
MW-3												
1/29/2004	--	ND<2.7	ND<2.7	ND<2.7	ND<2.7	ND<2.7	ND<2.7	--	--	--	--	--
5/27/2004	--	ND<4.0	ND<4.0	ND<4.0	ND<4.0	ND<4.0	ND<4.0	--	--	--	--	--
8/31/2004	--	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	--	--	--	--	--

Attachment D-6
ADDITIONAL HISTORIC ANALYTICAL GROUNDWATER RESULTS
FORMER UNOCAL STATION #4625, CHEVRON STATION #351641
3070 Fruitvale Avenue
OAKLAND, CALIFORNIA

11/18/2004	--	--	--	--	--	--	--	--	--	--	--	--
3/25/2005	--	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<5.0	ND<5.0	ND<2.0	ND<2.0
6/22/2005	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<2.0	ND<5.0	ND<2.0	ND<2.0
9/26/2005	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<2.0
12/20/2005	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<2.0
3/29/2006	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<2.0
6/12/2006	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<2.0
6/12/2006	--	--	--	--	--	--	--	--	--	--	--	--
9/27/2006	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<2.0
12/27/2006	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<2.0
3/16/2007	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<2.0
6/27/2007	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<2.0
9/27/2007	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<2.0
12/26/2007	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<2.0
3/26/2008	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<2.0
6/17/2008	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<2.0
9/15/2008	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<2.0
12/30/2008	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<2.0
3/30/2009	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<2.0
6/25/2009	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<2.0
12/17/2009	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<2.0
6/29/2010	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<2.0
12/30/2010	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<2.0

Date Sampled	Bis(2-ethyl-hexyl) phthalate (µg/l)	4-Bromo-pheny phe-nyl ether (µg/l)	Butyl-benzyl phthalate (µg/l)	4-Chloro-3-methyl-phenol (µg/l)	4-Chloro-aniline (µg/l)	2-Chloro-naphtha-lene (µg/l)	2-Chloro-phenol (µg/l)	4-Chloro-phenyl phenyl ether (µg/l)	Chrysene (µg/l)	Dibenzo-[a,h]-anthracene (µg/l)	Dibenzo-furan (µg/l)	1,2-Dichloro-benzene (svoc) (µg/l)
MW-3												
1/29/2004	ND<14	--	--	--	--	--	--	--	ND<2.7	ND<2.7	--	--
5/27/2004	ND<20	--	--	--	--	--	--	--	ND<4.0	ND<4.0	--	--
8/31/2004	ND<10	--	--	--	--	--	--	--	ND<2.0	ND<2.0	--	--
11/18/2004	--	--	--	--	--	--	--	--	--	--	--	--
3/25/2005	ND<10	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0
6/22/2005	3.1	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<3.0	ND<2.0	ND<2.0
9/26/2005	ND<5.0	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<3.0	ND<2.0	ND<2.0
12/20/2005	ND<5.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<3.0	ND<2.0	ND<2.0
3/29/2006	ND<5.0	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<3.0	ND<2.0	ND<2.0
6/12/2006	ND<5.0	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<3.0	ND<2.0	ND<2.0
6/12/2006	--	--	--	--	--	--	--	--	--	--	--	--
9/27/2006	ND<4.0	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<3.0	ND<2.0	ND<2.0
12/27/2006	ND<4.0	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<3.0	ND<2.0	ND<2.0
3/16/2007	ND<4.0	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<3.0	ND<2.0	ND<2.0
6/27/2007	ND<4.0	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<3.0	ND<2.0	ND<2.0
9/27/2007	ND<4.0	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<3.0	ND<2.0	ND<2.0
12/26/2007	ND<4.0	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<3.0	ND<2.0	ND<2.0
3/26/2008	ND<4.0	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<3.0	ND<2.0	ND<2.0
6/17/2008	ND<4.0	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<3.0	ND<2.0	ND<2.0
9/15/2008	ND<4.0	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<3.0	ND<2.0	ND<2.0
12/30/2008	ND<4.0	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<3.0	ND<2.0	ND<2.0
3/30/2009	ND<4.0	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<3.0	ND<2.0	ND<2.0
6/25/2009	ND<4.0	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<3.0	ND<2.0	ND<2.0
12/17/2009	ND<4.0	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<3.0	ND<2.0	ND<2.0
6/29/2010	ND<4.0	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<3.0	ND<2.0	ND<2.0
12/30/2010	ND<4.0	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<3.0	ND<2.0	ND<2.0

Attachment D-6
ADDITIONAL HISTORIC ANALYTICAL GROUNDWATER RESULTS
FORMER UNOCAL STATION #4625, CHEVRON STATION #351641
3070 Fruitvale Avenue
OAKLAND, CALIFORNIA

Date Sampled	1,3-Dichloro-benzene (svoc) (µg/l)	1,4-Dichloro-benzene (svoc) (µg/l)	3,3-Dichloro-benzidine (µg/l)	2,4-Dichloro-phenol (µg/l)	Diethyl phthalate (µg/l)	2,4-Dimethyl-phenol (µg/l)	Dimethyl phthalate (µg/l)	Di-n-butyl phthalate (µg/l)	2,4-Dinitro-phenol (µg/l)	2,4-Dinitro-toluene (µg/l)	2,6-Dinitro-toluene (µg/l)	Di-n-octyl phthalate (µg/l)
MW-3												
3/25/2005	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<5.0	ND<5.0	ND<10	ND<2.0	ND<5.0	ND<5.0
6/22/2005	ND<2.0	ND<2.0	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<2.0	ND<2.0	ND<2.0
9/26/2005	ND<2.0	ND<2.0	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<2.0	ND<2.0	ND<2.0
12/20/2005	ND<2.0	ND<2.0	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<2.0	ND<2.0	ND<2.0
3/29/2006	ND<2.0	ND<2.0	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<2.0	ND<2.0	ND<2.0
6/12/2006	ND<2.0	ND<2.0	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<2.0	ND<2.0	ND<2.0
6/12/2006	--	--	--	--	--	--	--	--	--	--	--	--
9/27/2006	ND<2.0	ND<2.0	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<2.0	ND<2.0	ND<2.0
12/27/2006	ND<2.0	ND<2.0	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<2.0	ND<2.0	ND<2.0
3/16/2007	ND<2.0	ND<2.0	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<2.0	ND<2.0	ND<2.0
6/27/2007	ND<2.0	ND<2.0	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<2.0	ND<2.0	ND<2.0
9/27/2007	ND<2.0	ND<2.0	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<2.0	ND<2.0	ND<2.0
12/26/2007	ND<2.0	ND<2.0	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<2.0	ND<2.0	ND<2.0
3/26/2008	ND<2.0	ND<2.0	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<2.0	ND<2.0	ND<2.0
6/17/2008	ND<2.0	ND<2.0	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<2.0	ND<2.0	ND<2.0
9/15/2008	ND<2.0	ND<2.0	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<2.0	ND<2.0	ND<2.0
12/30/2008	ND<2.0	ND<2.0	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<2.0	ND<2.0	ND<2.0
3/30/2009	ND<2.0	ND<2.0	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<2.0	ND<2.0	ND<2.0
6/25/2009	ND<2.0	ND<2.0	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<2.0	ND<2.0	ND<2.0
12/17/2009	ND<2.0	ND<2.0	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<2.0	ND<2.0	ND<2.0
6/29/2010	ND<2.0	ND<2.0	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<2.0	ND<2.0	ND<2.0
12/30/2010	ND<2.0	ND<2.0	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<2.0	ND<2.0	ND<2.0

Date Sampled	Fluoran-thene (µg/l)	Fluorene (µg/l)	Hexa-chloro-benzene (µg/l)	HCBD (svoc) (µg/l)	Hexachloro cyclopenta-diene (µg/l)	Hexachloro-ethane (µg/l)	Indeno-[1,2,3-c,d] pyrene (µg/l)	Isophorone (µg/l)	2-Methyl-4,6-dinitro-phenol (µg/l)	2-Methyl-naphtha-lene (µg/l)	2-Methyl-phenol (µg/l)	4-Methyl-phenol ()
MW-3												
1/29/2004	ND<2.7	ND<2.7	--	--	--	--	ND<2.7	--	--	--	ND<2.7	ND<2.7
5/27/2004	ND<4.0	ND<4.0	--	--	--	--	ND<4.0	--	--	ND<4.0	ND<4.0	ND<4.0
8/31/2004	ND<2.0	ND<2.0	--	--	--	--	ND<2.0	--	--	ND<2.0	ND<2.0	ND<2.0
11/18/2004	--	--	--	--	--	--	--	--	--	--	--	--
3/25/2005	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<2.0	ND<2.0	ND<2.0
6/22/2005	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	--	ND<2.0	ND<2.0	ND<2.0
9/26/2005	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<2.0	ND<2.0	ND<2.0
12/20/2005	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<2.0	ND<2.0	ND<2.0
3/29/2006	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<2.0	ND<2.0	--
6/12/2006	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<2.0	ND<2.0	--
6/12/2006	--	--	--	--	--	--	--	--	--	--	--	--
9/27/2006	ND<2.0	ND<2.0	ND<2.0	ND<1.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<2.0	ND<2.0	--
12/27/2006	ND<2.0	ND<2.0	ND<2.0	ND<1.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<2.0	ND<2.0	--
3/16/2007	ND<2.0	ND<2.0	ND<2.0	ND<1.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<2.0	ND<2.0	--
6/27/2007	ND<2.0	ND<2.0	ND<2.0	ND<1.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	--	ND<2.0	ND<2.0	--
9/27/2007	ND<2.0	ND<2.0	ND<2.0	ND<1.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	--	ND<2.0	ND<2.0	--
12/26/2007	ND<2.0	ND<2.0	ND<2.0	ND<1.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	--	ND<2.0	ND<2.0	--
3/26/2008	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	--	ND<2.0	ND<2.0	--
6/17/2008	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<2.0	ND<2.0	--
9/15/2008	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<2.0	ND<2.0	--
12/30/2008	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<2.0	ND<2.0	--
3/30/2009	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<2.0	ND<2.0	--
6/25/2009	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<2.0	ND<2.0	--
12/17/2009	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<2.0	ND<2.0	--
6/29/2010	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<2.0	ND<2.0	--
12/30/2010	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<2.0	ND<2.0	--

Attachment D-6
ADDITIONAL HISTORIC ANALYTICAL GROUNDWATER RESULTS
FORMER UNOCAL STATION #4625, CHEVRON STATION #351641
3070 Fruitvale Avenue
OAKLAND, CALIFORNIA

Date Sampled	3- and 4-Methyl-phenol (µg/l)	Naphtha-lene (svoc) (µg/l)	2-Nitro-aniline (µg/l)	3-Nitro-aniline (µg/l)	4-Nitro-aniline (µg/l)	Nitro-benzene (µg/l)	2-Nitro-phenol (µg/l)	4-Nitro-phenol (µg/l)	N-nitrosodi-n-propyl-amine (µg/l)	N-Nitro-sodiphenyl-amine (µg/l)	Penta-chloro-phenol (µg/l)	Phen-anthrene (µg/l)
MW-3												
1/29/2004	--	--	--	--	--	--	--	--	--	--	--	ND<2.7
5/27/2004	--	--	--	--	--	--	--	--	--	--	--	ND<4.0
8/31/2004	--	--	--	--	--	--	--	--	--	--	--	ND<2.0
11/18/2004	--	--	--	--	--	--	--	--	--	--	--	--
3/25/2005	--	ND<2.0	ND<10	ND<2.0	ND<10	ND<2.0	ND<2.0	ND<10	ND<2.0	ND<2.0	ND<10	ND<2.0
6/22/2005	--	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<2.0
9/26/2005	--	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<2.0
12/20/2005	--	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<2.0
3/29/2006	--	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<2.0
6/12/2006	--	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<2.0
6/12/2006	--	--	--	--	--	--	--	--	--	--	--	--
9/27/2006	--	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<2.0
12/27/2006	--	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<2.0
3/16/2007	--	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<2.0
6/27/2007	--	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<2.0
9/27/2007	--	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<2.0
12/26/2007	--	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<2.0
3/26/2008	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<2.0
6/17/2008	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<2.0
9/15/2008	--	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<2.0
12/30/2008	--	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<2.0
3/30/2009	--	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<2.0
6/25/2009	--	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<2.0
12/17/2009	--	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<2.0
6/29/2010	--	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<2.0
12/30/2010	--	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<2.0

Date Sampled	Phenol (µg/l)	Pyrene (µg/l)	1,2,4-Trichloro-benzene (svoc) (µg/l)	2,4,6-Trichloro-phenol (µg/l)	2,4,5-Trichloro-phenol (µg/l)	Chromium (total) (µg/l)
MW-3						
5/3/2000	--	--	--	--	--	ND
7/28/2000	--	--	--	--	--	1800
10/29/2000	--	--	--	--	--	ND
2/9/2001	--	--	--	--	--	38
5/11/2001	--	--	--	--	--	ND
8/10/2001	--	--	--	--	--	ND<10
11/7/2001	--	--	--	--	--	ND<10
2/6/2002	--	--	--	--	--	110
5/8/2002	--	--	--	--	--	37
8/9/2002	--	--	--	--	--	700
11/26/2002	--	--	--	--	--	340
2/14/2003	--	--	--	--	--	74
5/3/2003	--	--	--	--	--	480
8/1/2003	--	--	--	--	--	280
10/30/2003	--	--	--	--	--	130
1/29/2004	--	ND<2.7	--	--	--	27
5/27/2004	--	ND<4.0	--	--	--	6.1
8/31/2004	--	ND<2.0	--	--	--	1000
11/18/2004	--	--	--	--	--	ND<5.0
3/25/2005	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0
6/22/2005	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<5.0	24
9/26/2005	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<5.0	170
12/20/2005	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<10
3/29/2006	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<5.0	49
6/12/2006	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<5.0	59
6/12/2006	--	--	--	--	--	--
9/27/2006	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<5.0	15
12/27/2006	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<5.0	37
3/16/2007	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<5.0	50
6/27/2007	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<5.0	120
9/27/2007	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<5.0	170
12/26/2007	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<5.0	96
3/26/2008	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<5.0	190
6/17/2008	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<5.0	170
9/15/2008	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<5.0	360
12/30/2008	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<5.0	160
3/30/2009	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<5.0	66
6/25/2009	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<5.0	88
12/17/2009	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<5.0	36
6/29/2010	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<5.0	100
12/30/2010	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<5.0	31

6. Cross Sections (2pp)

A
WEST

A'
SOUTHEAST

FRUITVALE AVENUE

DISPENSER ISLAND

UST COMPLEX (PROJECTED)

DISPENSER AND OVEREXCAVATION (PROJECTED)

(O/S 2' S) CPT-7 MW-8

CPT-6 (O/S 8' N)

MW-5 (O/S 6.5' S)

MW-7 (O/S 10' N)

MW-6 (O/S 18' N)

CPT-1 (O/S 26'N)

B-2 (O/S 17'N)

B-1 (O/S 12'N)

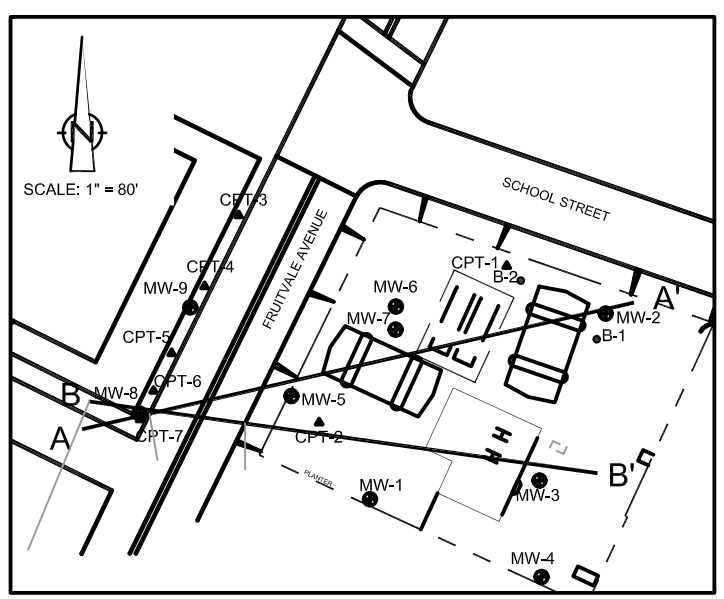
MW-2 (4/25/00)

ELEVATION (feet AMSL)

APPROXIMATE DEPTH (feet below ground surface)

SCALE: HORZ. 1" = 20'
VERT. 1" = 10'

DISTANCE (feet)



LEGEND

MW-5 — WELL DESIGNATION

GROUND SURFACE

OBSERVATION WELL INSTALLATION

STRATIGRAPHIC BOUNDARY

CL — TYPICAL SOIL CLASSIFICATION

SCREENED INTERVAL

BOTTOM OF BORING

O/S — OFFSET

WATER LEVEL DECEMBER 2013

OBSERVED WATER DURING DRILLING

CO - CONCRETE

AS - ASPHALT

CL - INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, GRAVELLY CLAYS, SANDY CLAYS, SILTY CLAYS, LEAN CLAYS

ML - INORGANIC SILTS, VERY FINE SANDS, SILTY OR CLAYEY FINE SANDS, CLAYEY SILTS WITH SLIGHT PLASTICITY MIXTURES, LITTLE OR NO FINES

GC - CLAYEY GRAVELS, GRAVEL-SAND-CLAY MIXTURES

SM - SILTY SANDS, SAND-SILT MIXTURES

FILL

REVISIONS	NO.:	DESCRIPTION:	DATE:	BY:

DESIGNED BY:
DRAWN BY: JH
CHECKED BY: RP
APPROVED BY: JH

AECOM
2020 L STREET SUITE 400
SACRAMENTO, CALIFORNIA 95811
PHONE: (916) 414-5800
FAX: (916) 414-5850
WEB: HTTP://WWW.AECOM.COM

GEOLOGIC CROSS SECTION A-A'

RO298, Unocal No. 4625 (351641)
3070 Fruitvale Avenue, Oakland, California

PROJECT NUMBER:
DATE: 03/21/2014
SCALE:

FIGURE NUMBER:

B-1

B

NORTHWEST

B'

SOUTH

FRUITVALE AVENUE

STATION BUILDING

CPT-7 / MW-8 (O/S 2' S)

MW-5 (O/S 14' N)

CPT-2 (O/S 5' N)

MW-1 (O/S 20' S)

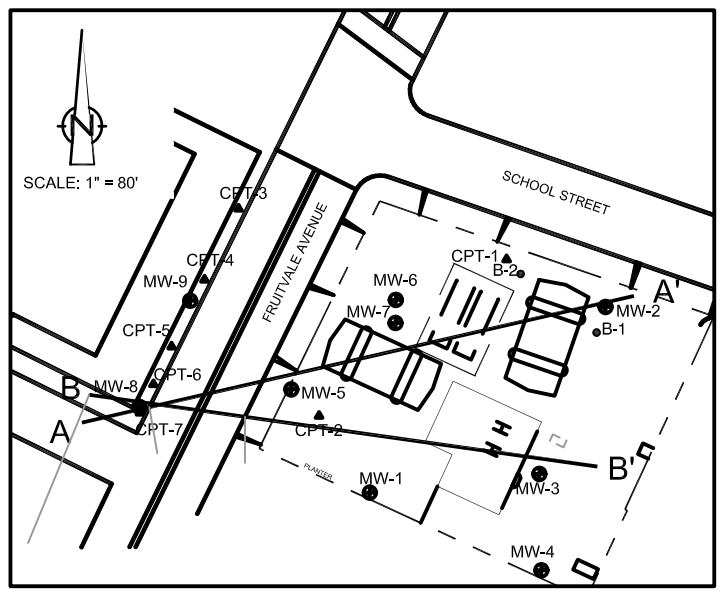
MW-3 (O/S 6' S)

ELEVATION (feet AMSL)

APPROXIMATE DEPTH (feet below ground surface)

DISTANCE (feet)

SCALE: HORZ. 1" = 20'



LEGEND

MW-5 (DATE) — WELL DESIGNATION

GROUND SURFACE

OBSERVATION WELL INSTALLATION

STRATIGRAPHIC BOUNDARY

CL — TYPICAL SOIL CLASSIFICATION

SCREENED INTERVAL

BOTTOM OF BORING

O/S — OFFSET

WATER LEVEL DECEMBER 2013

OBSERVED WATER DURING DRILLING

CO - CONCRETE

AS - ASPHALT

FILL

CL - INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, GRAVELLY CLAYS, SANDY CLAYS, SILTY CLAYS, LEAN CLAYS

ML - INORGANIC SILTS, VERY FINE SANDS, SILTY OR CLAYEY FINE SANDS, CLAYEY SILTS WITH SLIGHT PLASTICITY

SC - CLAYEY SANDS, SAND-CLAY MIXTURES

GC - CLAYEY GRAVELS, GRAVEL-SAND-CLAY MIXTURES

REVISIONS			
NO.:	DESCRIPTION:	DATE:	BY:

DESIGNED BY:

DRAWN BY: JH

CHECKED BY: RP

APPROVED BY: JH

AECOM
2020 L STREET SUITE 400
SACRAMENTO, CALIFORNIA 95811
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WEB: HTTP://WWW.AECOM.COM

GEOLOGIC CROSS SECTION B-B'

RO298, Unocal No. 4625 (351641)

3070 Fruitvale Avenue, Oakland, California

SCALE:

DATE: 03/21/2014

PROJECT NUMBER:

FIGURE NUMBER:

B-2

7. Concentration Graphs (3pp)

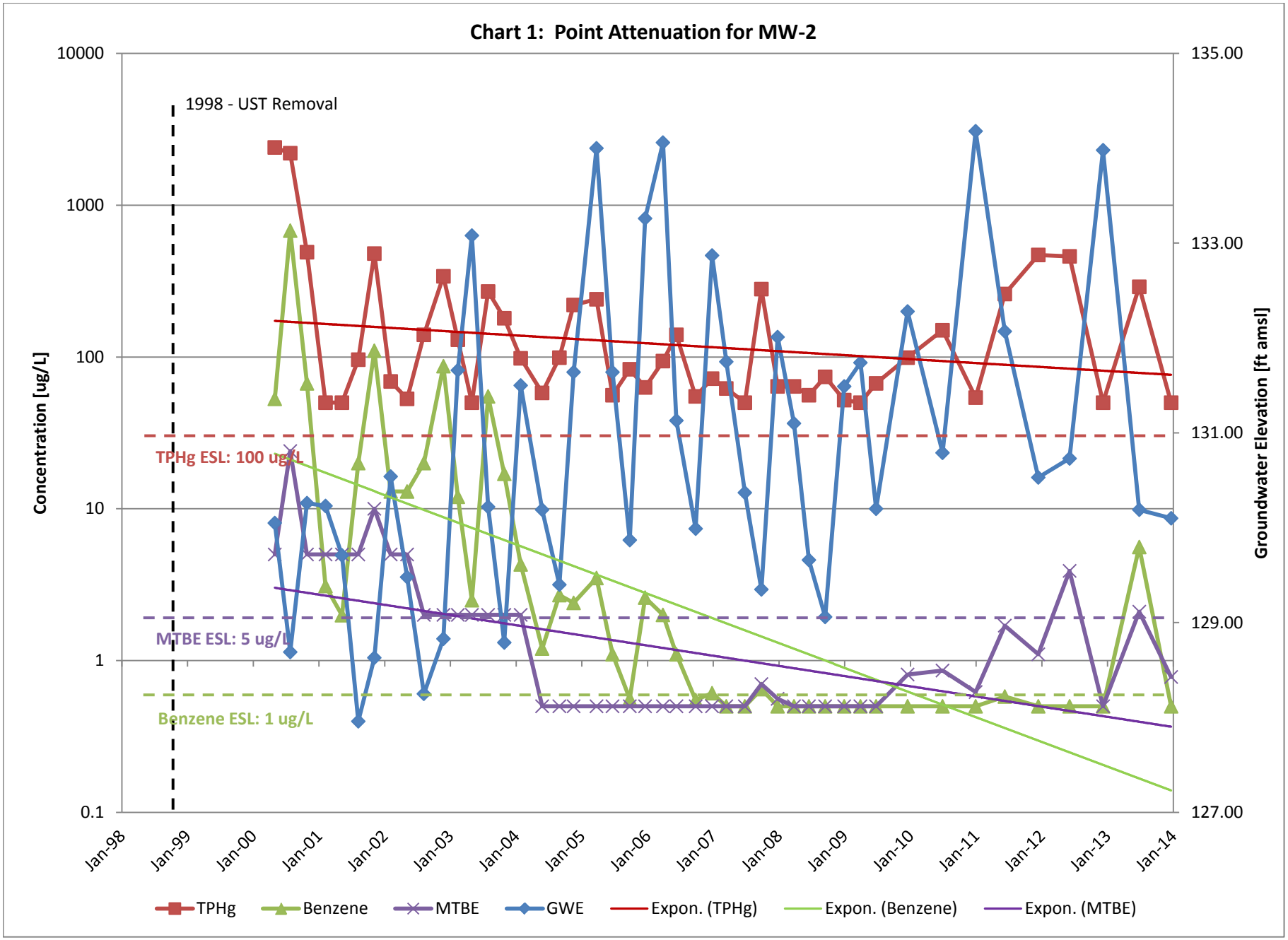


Chart 1: Point Attenuation for MW-2
10000
1000
100
10
1
0.1
Concentration [ug/L]
135.00
133.00
131.00
129.00
127.00
Groundwater Elevation [ft amsl]
1998 - UST Removal
TPHg ESL: 100 ug/L
MTBE ESL: 5 ug/L
Benzene ESL: 1 ug/L
Jan-98
Jan-99
Jan-00
Jan-01
Jan-02
Jan-03
Jan-04
Jan-05
Jan-06
Jan-07
Jan-08
Jan-09
Jan-10
Jan-11
Jan-12
Jan-13
Jan-14
TPHg
Benzene
MTBE
GWE
Expon. (TPHg)
Expon. (Benzene)
Expon. (MTBE)

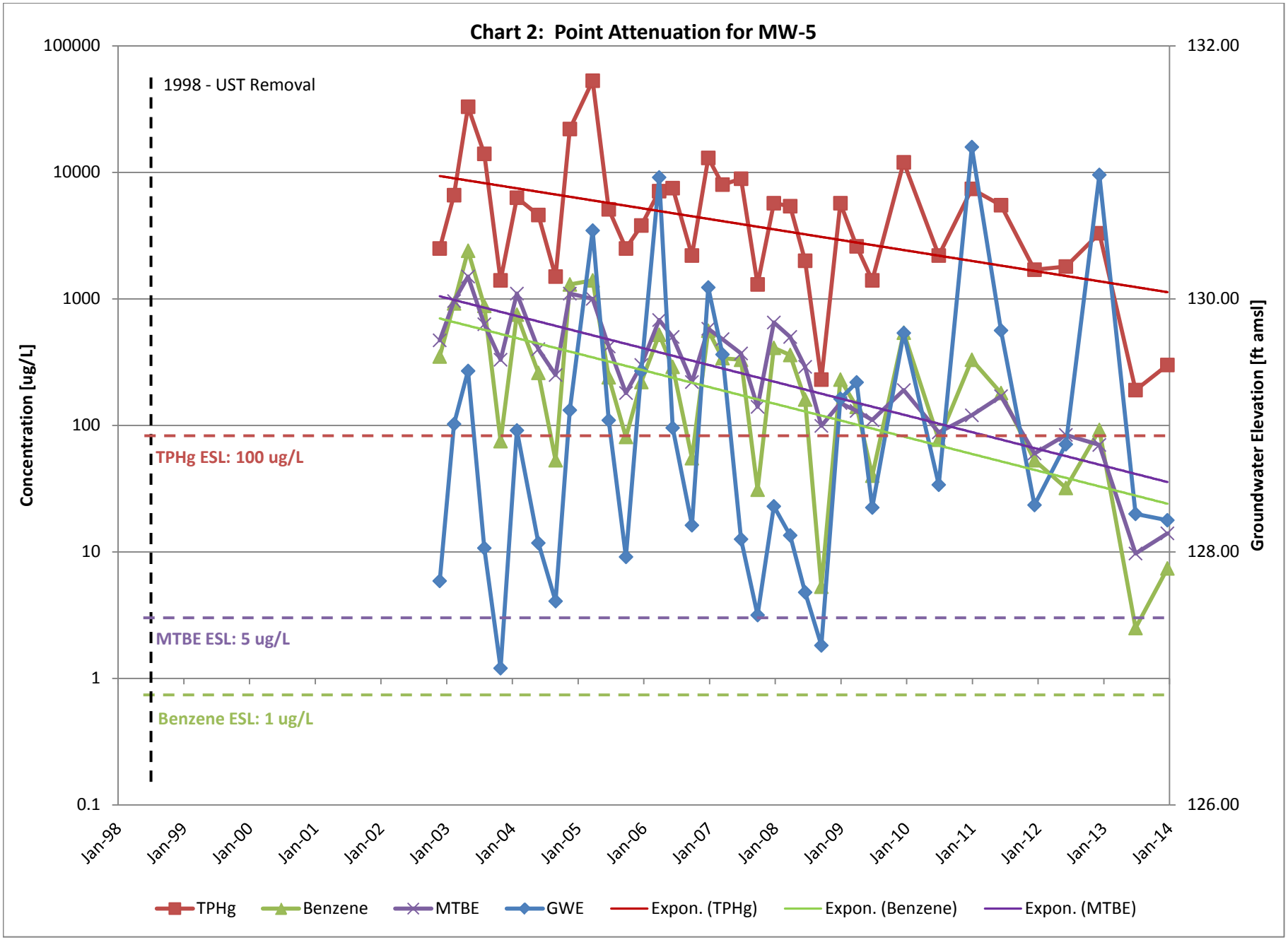


Chart 2: Point Attenuation for MW-5
100000
10000
1000
100
10
1
0.1
132.00
130.00
128.00
126.00
1998 - UST Removal
TPHg ESL: 100 ug/L
MTBE ESL: 5 ug/L
Benzene ESL: 1 ug/L
Concentration [ug/L]
Groundwater Elevation [ft amsl]
Jan-98
Jan-99
Jan-00
Jan-01
Jan-02
Jan-03
Jan-04
Jan-05
Jan-06
Jan-07
Jan-08
Jan-09
Jan-10
Jan-11
Jan-12
Jan-13
Jan-14
TPHg
Benzene
MTBE
GWE
Expon. (TPHg)
Expon. (Benzene)
Expon. (MTBE)

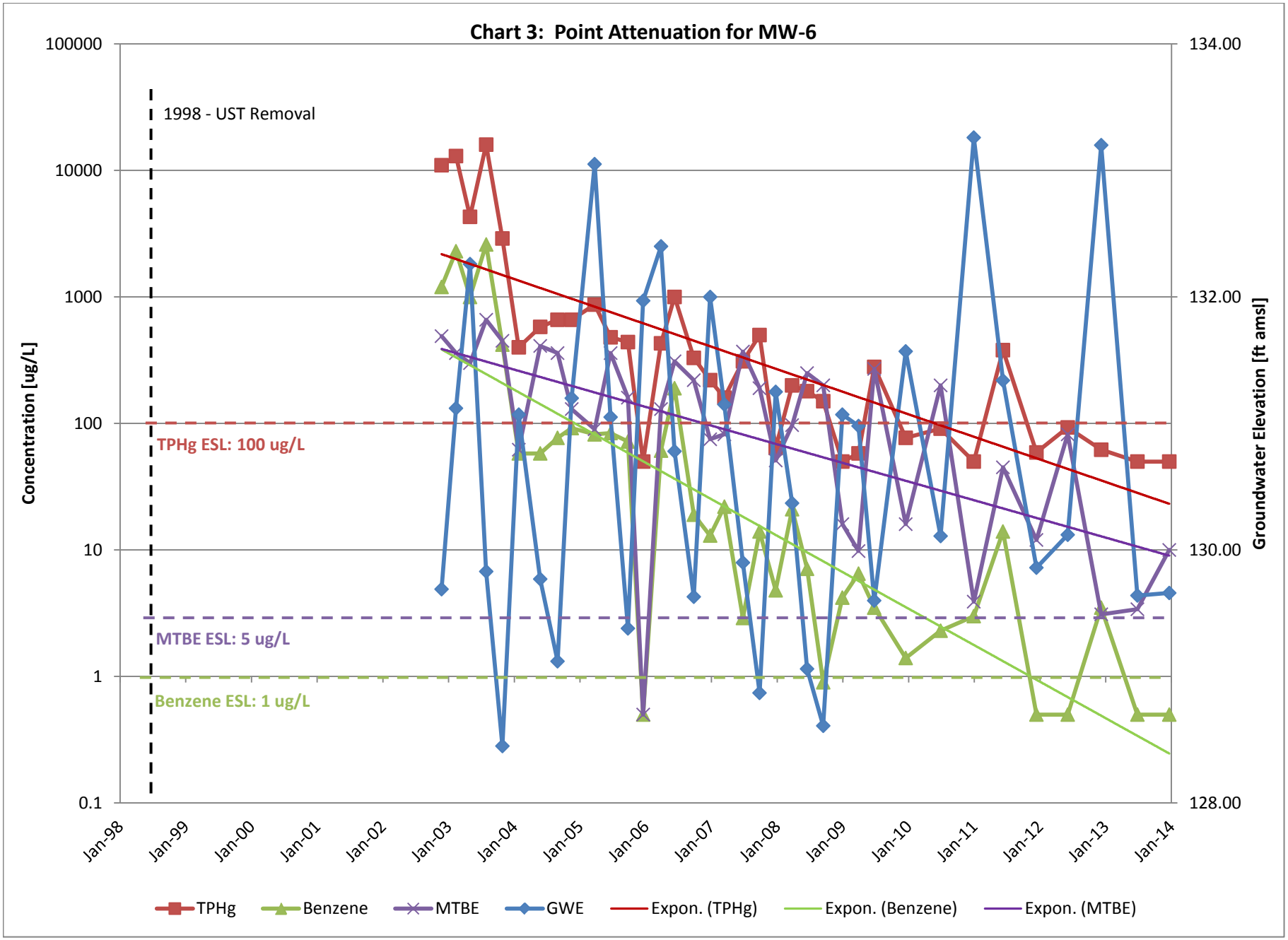


Chart 3: Point Attenuation for MW-6
100000
10000
1000
100
10
1
0.1
134.00
132.00
130.00
128.00
1998 - UST Removal
TPHg ESL: 100 ug/L
MTBE ESL: 5 ug/L
Benzene ESL: 1 ug/L
Concentration [ug/L]
Groundwater Elevation [ft amsl]
Jan-98
Jan-99
Jan-00
Jan-01
Jan-02
Jan-03
Jan-04
Jan-05
Jan-06
Jan-07
Jan-08
Jan-09
Jan-10
Jan-11
Jan-12
Jan-13
Jan-14
TPHg
Benzene
MTBE
GWE
Expon. (TPHg)
Expon. (Benzene)
Expon. (MTBE)

8. Boring Logs (19pp)

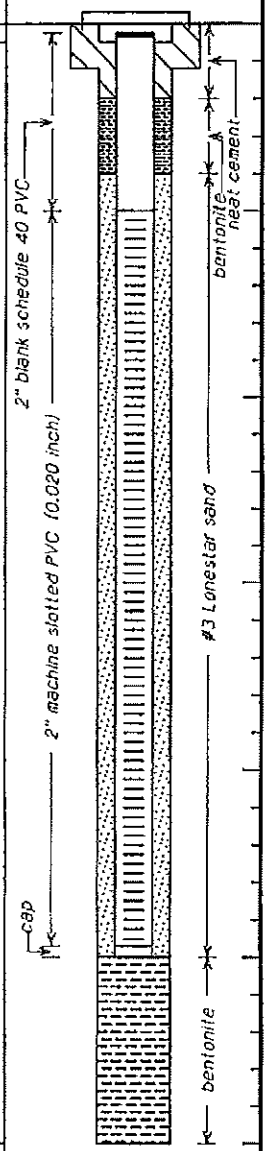
Gettler-Ryan, Inc.

Log of Boring MW-1

PROJECT: *Tosco (Unocal) Service Station No. 4625*	LOCATION: *3070 Fruitvale Avenue, Oakland, California*
GR PROJECT NO.: *140158.02*	CASING ELEVATION:
DATE STARTED: *04/25/00*	WL (ft. bgs): *23.36* DATE: *04/26/00* TIME: *12:00*
DATE FINISHED: *04/25/00*	WL (ft. bgs): DATE: TIME:
DRILLING METHOD: *8 in. Hollow Stem Auger*	TOTAL DEPTH: *30 feet*
DRILLING COMPANY: *Cascade Drilling*	GEOLOGIST: *Jed Douglas*

DEPTH (feet)	PID (ppm)	BLOWS/FT. *	SAMPLE NUMBER	SOIL CLASS	GEOLOGIC DESCRIPTION
				CL	Asphalt and baserock.
					CLAY (CL) – dark greenish gray (5GY 4/1), dry, medium stiff, medium plasticity; 80% clay, 20% silt.
					At 2.5 feet grades with 50% clay, 30% sand, 20% silt.
					Includes occasional gravel and wood debris. at 3 feet.
5	0	>100	MW-1-5		Color changes to very dark gray (N3) at 4 feet.
					Sample refusal at 6 feet, cobble and concrete.
10	0	31	MW-1-10		Color changes to dark yellowish brown (10YR 4/6), becomes dry, hard, low plasticity; 50% clay, 40% sand, 10% silt, occasional coarse gravel to 4 cm, subangular chert clasts.
15	0	30	MW-1-15		Color changes to strong brown (7.5YR 4/6); includes trace of medium to coarse sand grains.
20	0	30	MW-1-20		Becomes 50% clay, 30% silt, 20% fine sand, no occasional coarse gravel to 4 cm, no subangular chert clasts.
25	0	38	MW-1-25		Color changes to dark yellowish brown (10YR 4/4).
30					Bottom of boring at 30 feet bgs.
					* Converted to equivalent standard penetration blows/foot.
35					

WELL DIAGRAM



JOB NUMBER: *140158.02*

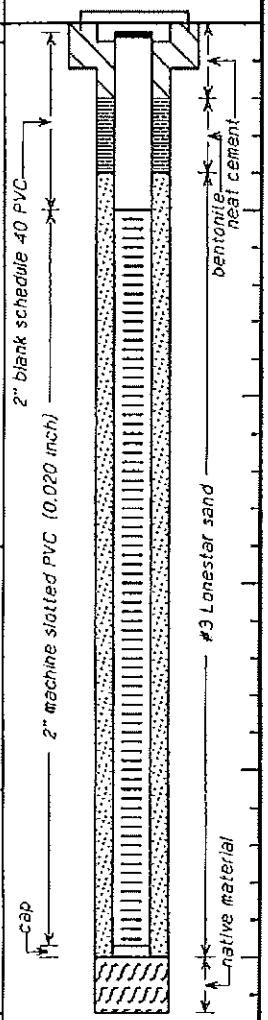
Gettler-Ryan, Inc.

Log of Boring MW-2

PROJECT: *Tosco (Unocal) Service Station No. 4625*	LOCATION: *3070 Fruitvale Avenue, Oakland, California*
GR PROJECT NO.: *140158.02*	CASING ELEVATION:
DATE STARTED: *04/25/00*	WL (ft. bgs): *10.5* DATE: *04/25/00* TIME: *12:40*
DATE FINISHED: *04/25/00*	WL (ft. bgs): DATE: TIME:
DRILLING METHOD: *8 in. Hollow Stem Auger*	TOTAL DEPTH: *26.5 feet*
DRILLING COMPANY: *Cascade Drilling*	GEOLOGIST: *Jed Douglas*

DEPTH (feet)	PID (ppm)	BLOWS/FT. *	SAMPLE NUMBER	SAMPLE INT.	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION
							Asphalt and baserock.
						CL	CLAY (CL) – very dark grayish brown (10YR 3/2), dry, medium stiff, medium plasticity; 60% clay, 25% silt, 15% fine sand with occasional coarse grains.
5	190	25	MW-2-5				Color changes to dark greenish gray (10Y 3/1) mottled with dark blueish gray (5B 4/1), becomes very stiff; 50% clay, 40% silt, 10% fine sand.
10	322	14	MW-2-10				Becomes saturated; fine to coarse sand layer approximately 2 inches thick at 10.5 feet. Below layer is saturated clay with occasional fine to coarse sand and strong hydrocarbon odor.
15	54	34	MW-2-15			GW	WELL GRADED GRAVEL WITH SAND (GW) – dark yellowish brown (10YR 4/4), saturated, dense; 50% fine to coarse gravel, 30% fine sand, 20% clay.
							correction: GC
20	6	32	MW-2-20			CL	CLAY (CL) – dark yellowish brown (10YR 4/6), dry, hard; 70% clay, 20% silt, 10% fine to coarse sand.
25	0	46	MW-2-25				Bottom of boring at 26.5 feet bgs.
30							* Converted to equivalent standard penetration blows/foot.
35							

WELL DIAGRAM



JOB NUMBER: *140158.02*

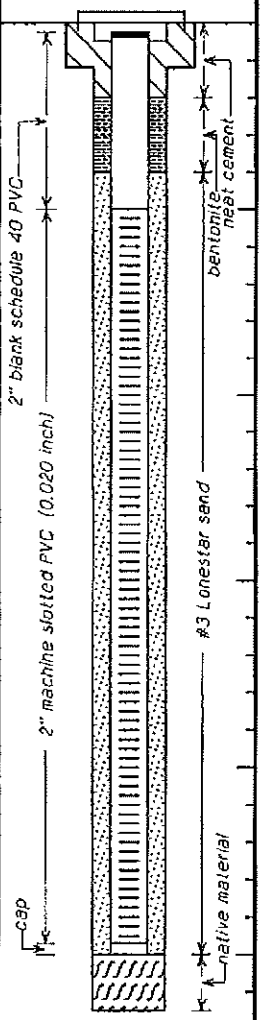
Gettler-Ryan, Inc.

Log of Boring MW-3

PROJECT: *Tosco (Unocal) Service Station No. 4625*	LOCATION: *3070 Fruitvale Avenue, Oakland, California*
GR PROJECT NO. : *140158.02*	CASING ELEVATION:
DATE STARTED: *04/25/00*	WL (ft. bgs): *11.0* DATE: *04/25/00* TIME: *16:55*
DATE FINISHED: *04/25/00*	WL (ft. bgs): DATE: TIME:
DRILLING METHOD: *8 in. Hollow Stem Auger*	TOTAL DEPTH: *26.5 feet*
DRILLING COMPANY: *Cascade Drilling*	GEOLOGIST: *Jed Douglas*

DEPTH (feet)	PID (ppm)	BLOWS/FT. *	SAMPLE NUMBER	SAMPLE INT.	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION
							Concrete slab.
						CL	CLAY (CL) – very dark brown (10YR 2/2), dry, medium stiff, medium plasticity; 90% clay, 10% silt.
5	3	28	MW-3-5				Color changes to brown (10YR 4/3) mottled with dark blueish gray (5B 4/1), becomes very stiff; 60% clay, 30% silt, 10% fine sand.
						GC	CLAYEY GRAVEL (GC) – dark greenish gray (5GY 4/1), saturated, very stiff; 40% fine to coarse gravel, 30% fine sand, 30% clay.
10	14	30	MW-3-10				Color changes to dark yellowish brown (10YR 4/6) at 11.5 feet.
15	0	36	MW-3-15				Becomes dense; 50% fine gravel, 25% fine to coarse sand, 25% clay, clasts predominantly rounded.
						CL	CLAY (CL) – dark yellowish brown (10YR 4/4), dry, hard; 70% clay, 20% silt, 10% fine sand.
20	0	58	MW-3-20				
						SC	CLAYEY SAND (SC) – strong brown (7.5YR 4/6) moist, dense; 50% fine to medium sand, 30% clay, 20% gravel.
25	0	42	MW-3-25				
							Bottom of boring at 26.5 feet bgs.
30							* Converted to equivalent standard penetration blows/foot.
35							

WELL DIAGRAM



JOB NUMBER: *140158.02*

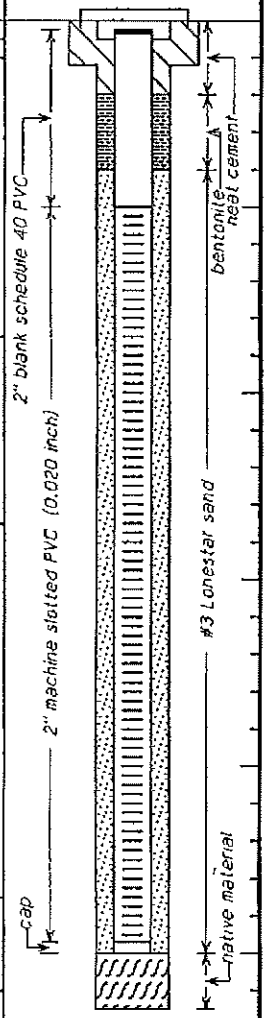
Gettler-Ryan, Inc.

Log of Boring MW-4

PROJECT: *Tosco (Unocal) Service Station No. 4625*	LOCATION: *3070 Fruitvale Avenue, Oakland, California*
GR PROJECT NO.: *140158.02*	CASING ELEVATION:
DATE STARTED: *04/26/00*	WL (ft. bgs): *11.5* DATE: *04/26/00* TIME: *11:05*
DATE FINISHED: *04/26/00*	WL (ft. bgs): DATE: TIME:
DRILLING METHOD: *8 in. Hollow Stem Auger*	TOTAL DEPTH: *26 feet*
DRILLING COMPANY: *Cascade Drilling*	GEOLOGIST: *Jed Douglas*

DEPTH (feet)	PID (ppm)	BLOWS/FT. *	SAMPLE NUMBER	SOIL CLASS	GEOLOGIC DESCRIPTION
					Asphalt and baserock.
					Gravel to 1 foot.
				CL	CLAY (CL) – black (N 2.5), dry, medium stiff, medium plasticity; 90% clay, 10% silt.
					Color changes to strong brown (7.5YR 4/6) at 3 feet.
5	0	22	MW-4-5		Color changes to dark yellowish brown (10YR 4/6) mottled with greenish gray (10Y 5/1), becomes very stiff; 70% clay, 20% silt, 10% fine to coarse sand.
				GC	CLAYEY GRAVEL (GC) – dark yellowish brown (10YR 4/4) wet, hard; 50% fine to coarse gravel, 25% fine sand, 25% clay, trace of free water.
10	0	46	MW-4-10		▽
				CL	CLAY (CL) – yellowish red (5YR 4/6), dry, hard; 70% clay, 20% silt, 10% fine to medium sand.
15	0	26	MW-4-15		
20	0	49	MW-4-20		Color changes to strong brown (7.5YR 4/6) mottled with gray (N 5/1).
				SC	CLAYEY SAND (SC) – strong brown (7.5YR 4/6), dry, very dense; 50% fine sand, 30% clay, 20% silt, occasional medium and coarse sand grains.
25	0	>100	MW-4-25		
					Bottom of boring at 26 feet bgs.
30					* Converted to equivalent standard penetration blows/foot.
35					

WELL DIAGRAM



JOB NUMBER: *140158.02*

Gettler-Ryan, Inc.

Log of Boring B-1

PROJECT: *Tosco (76) Service Station No. 4625*	LOCATION: *3070 Fruitvale Avenue, Oakland, California*
GR PROJECT NO.: *140158.05*	SURFACE ELEVATION:
DATE STARTED: *11/20/02*	WL (ft. bgs): *11.5* DATE: *11/20/02* TIME: *12:00*
DATE FINISHED: *11/20/02*	WL (ft. bgs): DATE: TIME:
DRILLING METHOD: *8 in. Hollow Stem Auger*	TOTAL DEPTH: *12 feet*
DRILLING COMPANY: *Cascade Drilling*	GEOLOGIST: *Andrew Smith*

DEPTH (feet)	PID (ppm)	BLOWS/FT. *	SAMPLE NUMBER	SAMPLE INT.	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	REMARKS
							Asphalt and baserock.	Boring backfilled with neat cement to ground surface
	0					ML	SILT WITH SAND (ML) – dark brown (7.5YR 3/3), moist, medium stiff; 70% silt, 20% fine sand, 10% gravel.	
4						CL	CLAY (CL) – dark brown (7.5YR 3/3), moist, stiff; 85–90% clay, 10–15% silt, trace gravel.	
	0	13						
8	28	12	B-1-S (8)				Color changes to grayish green (5G 4/2).	Hydropunch from 8.5 to 10 feet. No water encountered.
12	109		B-1-W (12)				Bottom of boring at 12 feet bgs.	Grab groundwater sample B-1-W (12).
							(* = Converted to equivalent standard penetration blows/foot.)	
16								
20								
24								
28								

JOB NUMBER: *140158.05*

Gettler-Ryan, Inc.

Log of Boring B-2

PROJECT: *Tosco (76) Service Station No. 4825*	LOCATION: *3070 Fruitvale Avenue, Oakland, California*
GR PROJECT NO.: *140158.05*	SURFACE ELEVATION:
DATE STARTED: *11/20/02*	WL (ft. bgs): *14.5* DATE: *11/20/02* TIME: *13:20*
DATE FINISHED: *11/20/02*	WL (ft. bgs): DATE: TIME:
DRILLING METHOD: *8 in. Hollow Stem Auger*	TOTAL DEPTH: *15 feet*
DRILLING COMPANY: *Cascade Drilling*	GEOLOGIST: *Andrew Smith*

DEPTH (feet)	PID (ppm)	BLOWS/FT. *	SAMPLE NUMBER	SAMPLE INT.	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	REMARKS
							Asphalt and baserock.	Boring backfilled with neat cement to ground surface.
						CL	CLAY (CL) – dark gray (10YR 4/1), moist, very stiff; 85% clay, 5% silt, trace gravel.	
	1.8							
4	3.3							
	20							
	78	53					Color changes to greenish gray (5G 5/1), becomes hard; 85–90% clay, 10–15% silt.	
8								
	211	18	B-2-S (11)				Becomes very stiff; 95% clay, 5% silt.	
12	17	30					Color changes to brown (7.5YR 4/3), becomes hard.	
	68		B-2-W (14.5)			▽		Grab groundwater sample B-2-W (14.5).
							Bottom of boring at 15 feet bgs.	
16							(* = Converted to equivalent standard penetration blows/foot.)	
20								
24								
28								

JOB NUMBER: *140158.05*

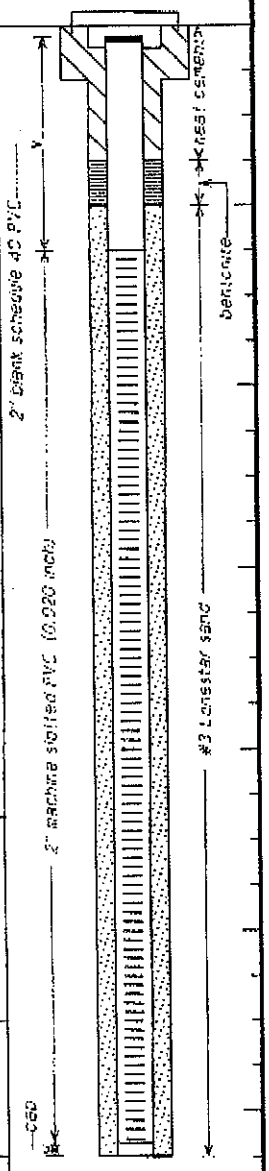
Gettler-Ryan, Inc.

Log of Boring MW-5

PROJECT: *Tosco (76) Service Station No. 4625*	LOCATION: *3070 Fruitvale Avenue, Oakland, California*
GR PROJECT NO.: *140158.05*	CASING ELEVATION:
DATE STARTED: *11/20/02*	WL (ft. bgs): *19.0* DATE: *11/20/02* TIME: *14:40*
DATE FINISHED: *11/20/02*	WL (ft. bgs): *9.5* DATE: *11/20/02* TIME: *17:00*
DRILLING METHOD: *8 in. Hollow Stem Auger*	TOTAL DEPTH: *25 feet*
DRILLING COMPANY: *Cascade Drilling*	GEOLOGIST: *Andrew Smith*

DEPTH (feet)	PID (ppm)	BLOWS/FT. *	SAMPLE NUMBER	SAMPLE INT.	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION
							Asphalt and baserock.
	0					CL	CLAY (CL) - dark greenish gray (7.5YR 2.5/1), moist, medium stiff; 100% clay, trace silt and gravel.
							Color changes to dark greenish gray (5GY 4/1), becomes stiff; 95% clay, 5% silt, trace plant roots.
4	0					ML	SILT (ML) - grayish green (5G 4/2), moist, hard; 80% clay, 20% silt, trace gravel.
	6.5	49	MW-5-S (5.5)				correction: 80% Silt, 20% Clay
8							Color changes to dark brown (7.5YR 3/3), becomes medium stiff; 90-95% silt, 5-10% fine sand.
	488	24	MW-5-S (10)				Color changes to grayish green (5G 4/2), becomes 80-90% silt, 10-20% fine sand.
12							Becomes 75-80% silt, 10-25% fine sand.
	1.7	45	MW-5-S (15)				Becomes hard.
16						CL	GRAVELLY CLAY (CL) - grayish green (5G 4/2), wet, hard; 60% clay, 40% gravel.
20	3.8	>100					
						ML	SILT (ML) - strong brown (7.5YR 4/6), moist, hard; 80-90% silt, 10-20% clay.
24	0	>100					
							Bottom of boring at 25 feet bgs.
28							(* = Converted to equivalent standard penetration blows/foot.)

WELL DIAGRAM



JOB NUMBER: *140158.05*

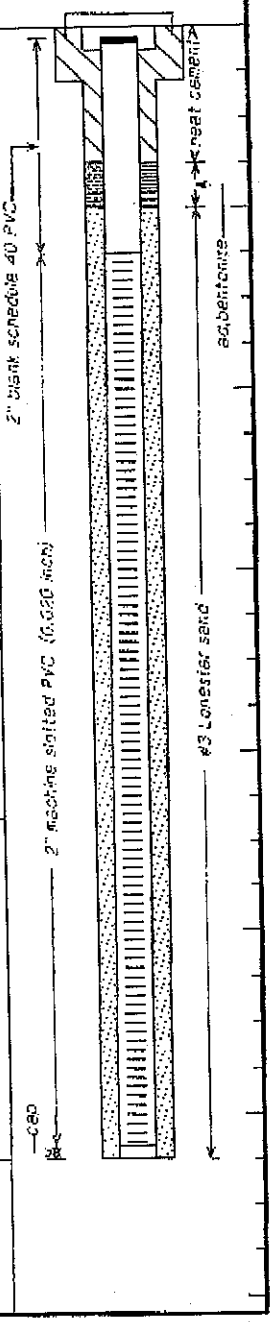
Gettler-Ryan, Inc.

Log of Boring MW-6

PROJECT: *Tosco (76) Service Station No. 4625*	LOCATION: *3070 Fruitvale Avenue, Oakland, California*
GR PROJECT NO.: *140158.05*	CASING ELEVATION:
DATE STARTED: *11/20/02*	WL (ft. bgs): *15.0* DATE: *11/20/02* TIME: *11:20*
DATE FINISHED: *11/20/02*	WL (ft. bgs): *8.6* DATE: *11/20/02* TIME: *16:00*
DRILLING METHOD: *8 in. Hollow Stem Auger*	TOTAL DEPTH: *25 feet*
DRILLING COMPANY: *Cascade Drilling*	GEOLOGIST: *Andrew Smith*

DEPTH (feet)	PID (ppm)	BLOWS/FT. *	SAMPLE NUMBER	SOIL CLASS	GEOLOGIC DESCRIPTION
					Asphalt and baserock.
	1.7			CL	CLAY (CL) – black (10YR 2/1), moist, medium stiff; 95% clay, 5% silt, trace gravel.
4					trace roots.
	107	63			Color changes to dark brown (7.5YR 3/2), becomes hard; 90–95% clay, 5–10% silt.
8				ML	SILT (ML) – grayish brown (7.5YR 4/3), moist, very stiff; 85–90% silt, 10–15% clay.
	111	17	MW-6-S (10)		
12				GC	CLAYEY GRAVEL (GC) – light brown (7.5YR 6/3), wet, very dense; 60% medium to coarse gravel, 30% clay, 10% fine sand.
	8.7	>100	MW-6-S (15)		
16					
				CL	CLAY (CL) – strong brown (7.5YR 5/6), wet, hard; 85–90% clay, 10–15% silt.
20	2.0	>100			
24					Bottom of boring at 25 feet bgs.
					(* = Converted to equivalent standard penetration blows/foot.)
28					

WELL DIAGRAM



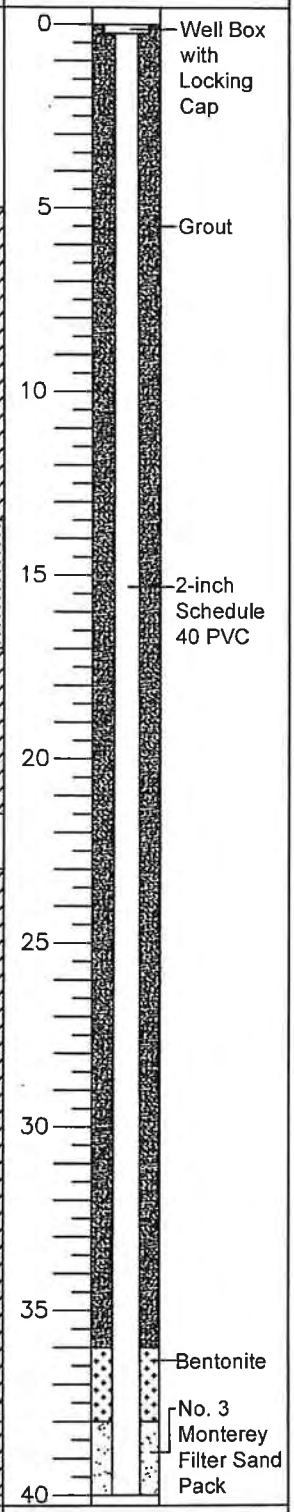
JOB NUMBER: *140158.05*

PROJECT NO.: 125936	DATE DRILLED: 7/27/07	NORTHING: 2116709.91
LOCATION: 76 Station #4625	LOGGED BY: R.Dunn & K. Bolen	EASTING: 6065351.96
3070 Friutvale Ave.	APPROVED BY: K. Woodburne, PG	TOP OF CASING ELEVATION: 138.74
Oakland, California	DRILLING CO.: Woodward	GROUND SURFACE ELEVATION: 139.15

DRILLING METHOD: 8-inch Hollow-Stem Auger
SAMPLER TYPE: 2-inch Split Spoon
TOTAL DEPTH: Boring - 55.0 feet; Well - 55.0 feet
DEPTH TO WATER: 12.0 feet

PID/FID (ppm)	BLOWS PER 6 INCHES	RECOVERY	SAMPLE	DEPTH (feet below grade)	DESCRIPTION	USCS	LITHOLOGY
				0	Water knife hole clearance to 5'.		
402	7 10 14	1.5/ 1.5		5	CLAY (CL): Dark brown (10YR 3/3), 95% moist medium plastic fines, 5% very fine grained sand, strong hydrocarbon odor, stiff, dry.		
	8 14 17	1.5/ 1.5					
	7 8 11	1.5/ 1.5			- @ 8': Mottled with dark yellowish brown (10YR 4/4).	CL	
25.0	5 6 9	1.0/ 1.5		10	- @ 10': Mottled with dark yellowish brown (10YR 4/4) and gray (10YR 5/1)..		
	5 7 10	1.5/ 1.5			- @ 12': Wet.		
	8 14 18	1.5/ 1.5			- @ 13': Moist.		
0.0	5 13 15	1.0/ 1.5		15	- @ 13.5': SITLY SAND (SM): Gray (10YR 5/1), 40% fines, 50% well graded sand, 10% gravel 1", subrounded, loose, wet, no odor.	SM	
	8 13 15	1.5/ 1.5			- @ 14': Color change, dark gray (10YR 4/1), mottled with brown (10YR 4/3).		
	6 16 17	1.5/ 1.5			CLAY (CL): Grayish brown (10YR 4/1), 95% fines, 5% very fine grained sand, dry, stiff, mottled with gray (5/1).	CL	
	7 13 15	1.5/ 1.5					
1.7	5 8 15	1.5/ 1.5		20			
	2 3 6	1.0/ 1.5			SILT (ML): Yellowish brown (10YR 5/4), 95% fines, 5% low plastic sand, mottled with gray (10YR 6/1), dry, stiff.	ML	
	2 3 6	1.5/ 1.5			CLAY (CL): Grayish brown (10YR 4/1), 95% fines, 5% very fine grained sand, dry, stiff, mottled with gray (5/1).		
1.7	2 3 6	1.0/ 1.5		25			
	2 3 6	1.5/ 1.5					
	2 3 6	1.5/ 1.5					
	2 3 6	1.5/ 1.5				CL	
1.7	2 3 6	1.5/ 1.5		30	-@ 30.5': Sand grains becomes fine to coarse.		
	2 3 6	1.5/ 1.5					
	2 3 6	1.5/ 1.5					
	2 3 6	1.0/ 1.5					
1.7	2 3 6	1.0/ 1.5		35			
	2 3 6	1.0/ 1.5					
	2 3 6	1.5/ 1.5			No recovery.		
		1.0/ 1.5		40	1" Poorly graded sand. CLAY (CL): Grayish brown (10YR 4/1), 95% fines, 5% very fine grained sand, dry, stiff, mottled with gray (5/1).	CL	

WELL CONSTRUCTION DETAIL



TRC

MONITORING WELL INSTALLATION LOG

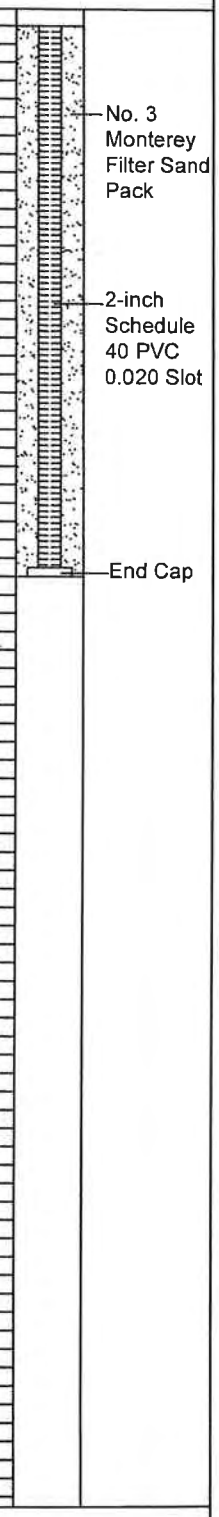
MW-7

PROJECT NO.: 125936	DATE DRILLED: 7/27/07	NORTHING: 2116709.91
LOCATION: 76 Station #4625	LOGGED BY: R. Dunn & K. Bolen	EASTING: 6065351.96
3070 Fruitvale Ave.	APPROVED BY: K. Woodburne, PG	TOP OF CASING ELEVATION: 138.74
Oakland, California	DRILLING CO.: Gregg	GROUND SURFACE ELEVATION: 139.15

DRILLING METHOD: 8-inch Hollow-Stem Auger
SAMPLER TYPE: 2-inch Split Spoon
TOTAL DEPTH: Boring - 55.0 feet; Well - 55.0 feet
DEPTH TO WATER: 12.0 feet

PID/FID (ppm)	BLOWS PER 6 INCHES	RECOVERY	SAMPLE	DEPTH (feet below grade)	DESCRIPTION	USCS	LITHOLOGY
0.0	18 29			40	Same	CL	
	18 5½"	1.0/ 1.5			SANDY SILT (ML): Brown (10YR 4/3) 85% non plastic fines, 15% fine to coarse grained sand, dry, stiff.		
	25 5½"	1.0/ 1.5			-@ 42.5': Becomes moist.		
	20 28 34	1.0/ 1.5		45		ML	
0.2	22 24 26	1.5/ 1.5			-@ 45.5': 95% fines, 5% fine grained sand, dry.		
	18 5½"	1.0/ 1.5			-@ 47': Mottled with gray (10YR 6/1).		
	4 6 5	0.5/ 1.5			CLAY (CL): Brown (10YR 4/3) mottled with black (10YR 2/1)m 95% medium plastic fines, 5% very fine grained sand, moist, stiff.		
	20 33 5¾"	1.5/ 1.5		50		CL	
2.9	31 5¾"	0.5/ 1.5			-@ 51.5': Fine gravel.		
					No recovery.		
	19 22 29	1.5/ 1.5			-@ 53': Fine gravel.		
2.3				55	SILT (ML): Brown (10YR 4/3), 95% low plastic fines, 5% very fine grained sand, moist, stiff.	ML	
				60			
				65			
				70			
				75			
				80			

WELL CONSTRUCTION DETAIL



TRC

MONITORING WELL INSTALLATION LOG

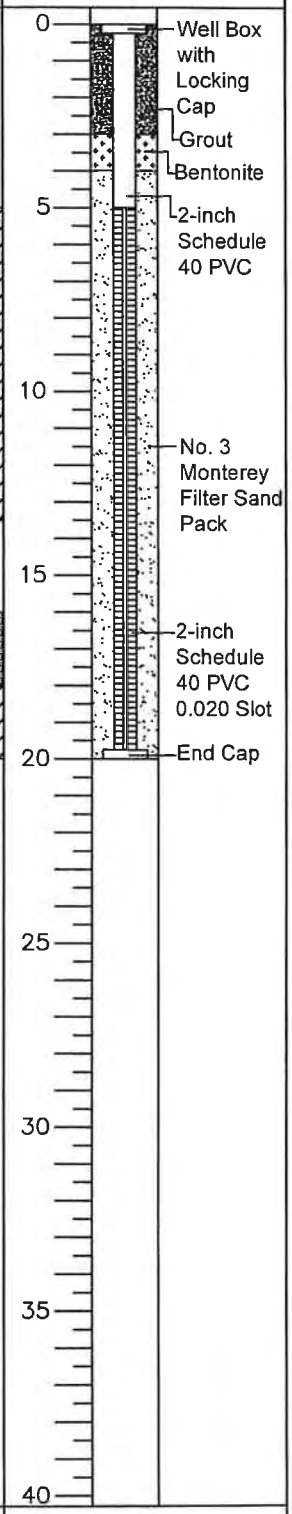
MW-7
PAGE 2 of 2

PROJECT NO.: 125936	DATE DRILLED: 7/26/07	NORTHING: 2116666.23
LOCATION: 76 Station #4625	LOGGED BY: R. Dunn & K. Bolen	EASTING: 6065242.33
3070 Fruitvale Avenue	APPROVED BY: K. Woodburne, PG	TOP OF CASING ELEVATION: 136.22
Oakland, California	DRILLING CO.: Woodward	GROUND SURFACE ELEVATION: 136.58

DRILLING METHOD: 8-inch Hollow-Stem Auger
SAMPLER TYPE: 2-inch Split Spoon
TOTAL DEPTH: Boring - 20.0 feet; Well - 20.0 feet
DEPTH TO WATER: 10.5 feet

PID/FID (ppm)	BLOWS PER 6 INCHES	RECOVERY	SAMPLE	DEPTH (feet below grade)	DESCRIPTION	USCS	LITHOLOGY
				0	Water knife hole clearance to 5'.		
0	4 9 13	1.5/ 1.5		5	CLAY (CL): Dark brown (10YR 3/3), 95% medium plastic fines, 5% very fine grained sand, stiff, dry. - @ 7': Color becomes mottled with dark yellowish brown (10YR 4/6). - @ 8': Becomes moist.	CL	
	5 5 10	1.5/ 1.5					
	4 4 8	1.5/ 1.5					
0	3 6 7	1.5/ 1.5		10	- @ 10.5': Wet, soft, sand site becomes fine to medium grained. - @ 12': Becomes moist, sand site decreases to fine.		
	4 7 9	1.5/ 1.5					
	5 10 12	1.5/ 1.5					
	3 7 11	1.5/ 1.5					
1.8	22 5½"	1.0/ 1.0		15	SILT (ML): Dark yellowish brown (10YR 4/4), 95% low plastic fines, 5% fine grained sand, soft, wet. correction: GC	ML	
	10 19 24	1.5/ 1.5			WELL GRADED GRAVEL (GW): Brown(10YR 4/3), 15% fines, 10% fine to well graded sand, 75% well graded gravel, upto 1" diameter, both subrounded & subangler, wet, loose.	GW	
	3 7 14	1.5/ 1.5			CLAY (CL): Strong brown (7.5YR 4/6), 95% low plastic fines, 5% fine grained sand, stiff, dry.	CL	
0.7				20			
				25			
				30			
				35			
				40			

WELL CONSTRUCTION DETAIL



TRC

MONITORING WELL INSTALLATION LOG

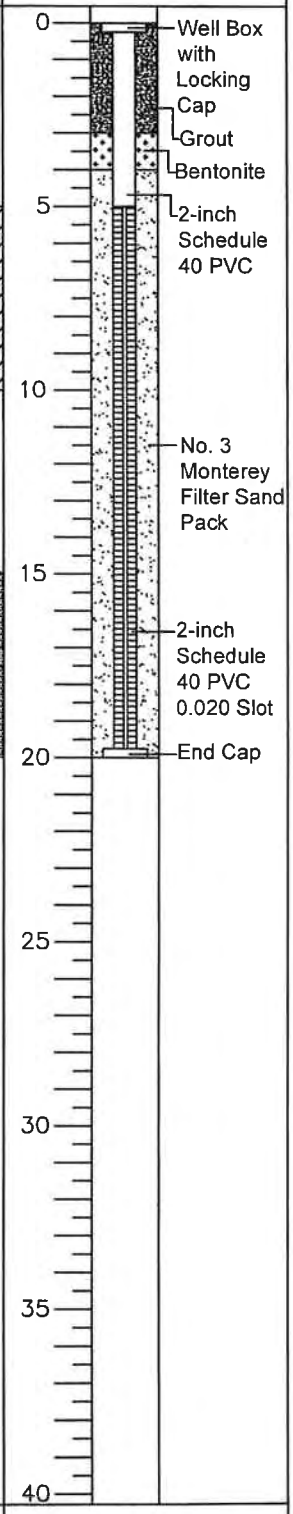
MW-8
PAGE 1 of 1

PROJECT NO.: 125936	DATE DRILLED: 7/26/07	NORTHING: 2116711.72
LOCATION: 76 Station #4625	LOGGED BY: R. Dunn & K. Bolen	EASTING: 6065257.59
3070 Fruitvale Avenue	APPROVED BY: K. Woodburne, PG	TOP OF CASING ELEVATION: 137.11
Oakland, California	DRILLING CO.: Woodward	GROUND SURFACE ELEVATION: 137.51

DRILLING METHOD: 8-inch Hollow-Stem Auger
SAMPLER TYPE: 2-inch Split Spoon
TOTAL DEPTH: Boring - 20.0 feet; Well - 20.0 feet
DEPTH TO WATER: 11 feet

PID/FID (ppm)	BLOWS PER 6 INCHES	RECOVERY	SAMPLE	DEPTH (feet below grade)	DESCRIPTION	USCS	LITHOLOGY
				0	Water knife hole clearance to 5'.		
0.0	4 11 13	1.5/ 1.5		5	CLAY (CL): Dark brown (10YR 3/3), 95% dry medium plastic fines, 5% very fine grained sand, stiff. - @ 7': Color becomes mottled with dark yellowish brown (10YR 4/6). - @ 8': Moist and roots.	CL	
	5 10 11	1.5/ 1.5					
	5 12 10	1.5/ 1.5					
0.0	4 6 7	1.5/ 1.5		10	SILT (ML): Dark yellowish (10YR 4/4), mottled with gray (10YR 5/1), 95% low plastic fines, 5% fine grained sand, soft, wet. - @ 13': Dry.	ML	
	4 6 8	1.5/ 1.5					
	5 7 10	1.5/ 1.5					
0.0	5 9 14	1.5/ 1.5		15	GRAVEL (GW): Brown (10YR 4/8), 15% fines, well graded sand to well graded gravel up to 1" diameter, subrounded and sub angle, loose, wet.	GW	
	5 7 10	1.5/ 1.5					
	10 20 26	1.0/ 1.5			POORLY GRADED SAND (SP): Dark brown (10yr 3/3), 5% fines, 95% medium grained sand, wet, loose.	SP	
	10 13 19	1.0/ 1.5			GRAVEL (GW): Brown (10YR 4/8), 15% fines, well graded sand to well graded gravel up to 1" diameter, subrounded and sub angle, loose, wet.	GW	
0.2				20			
				25			
				30			
				35			
				40			

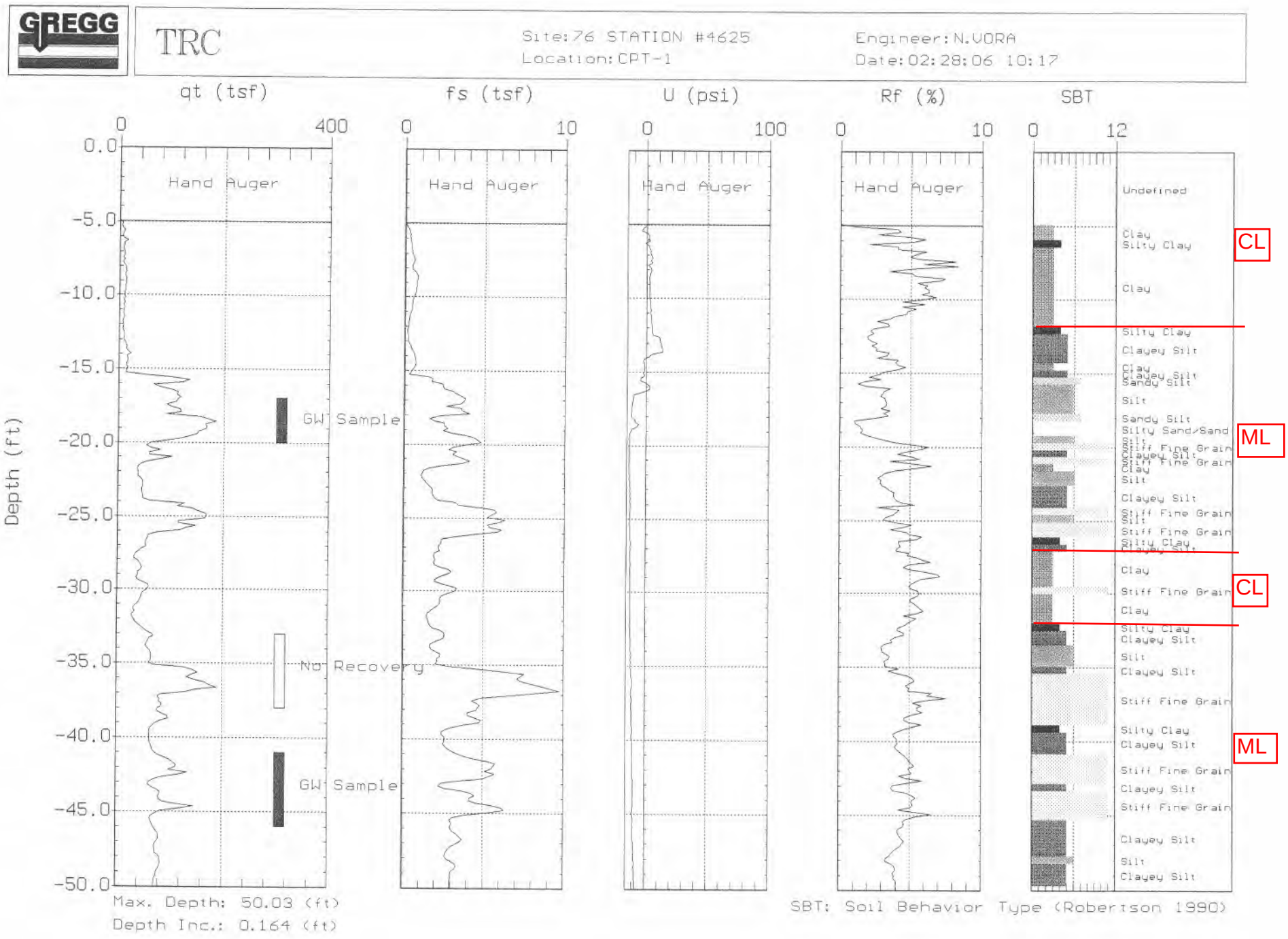
WELL CONSTRUCTION DETAIL



TRC

MONITORING WELL INSTALLATION LOG

MW-9
PAGE 1 of 1

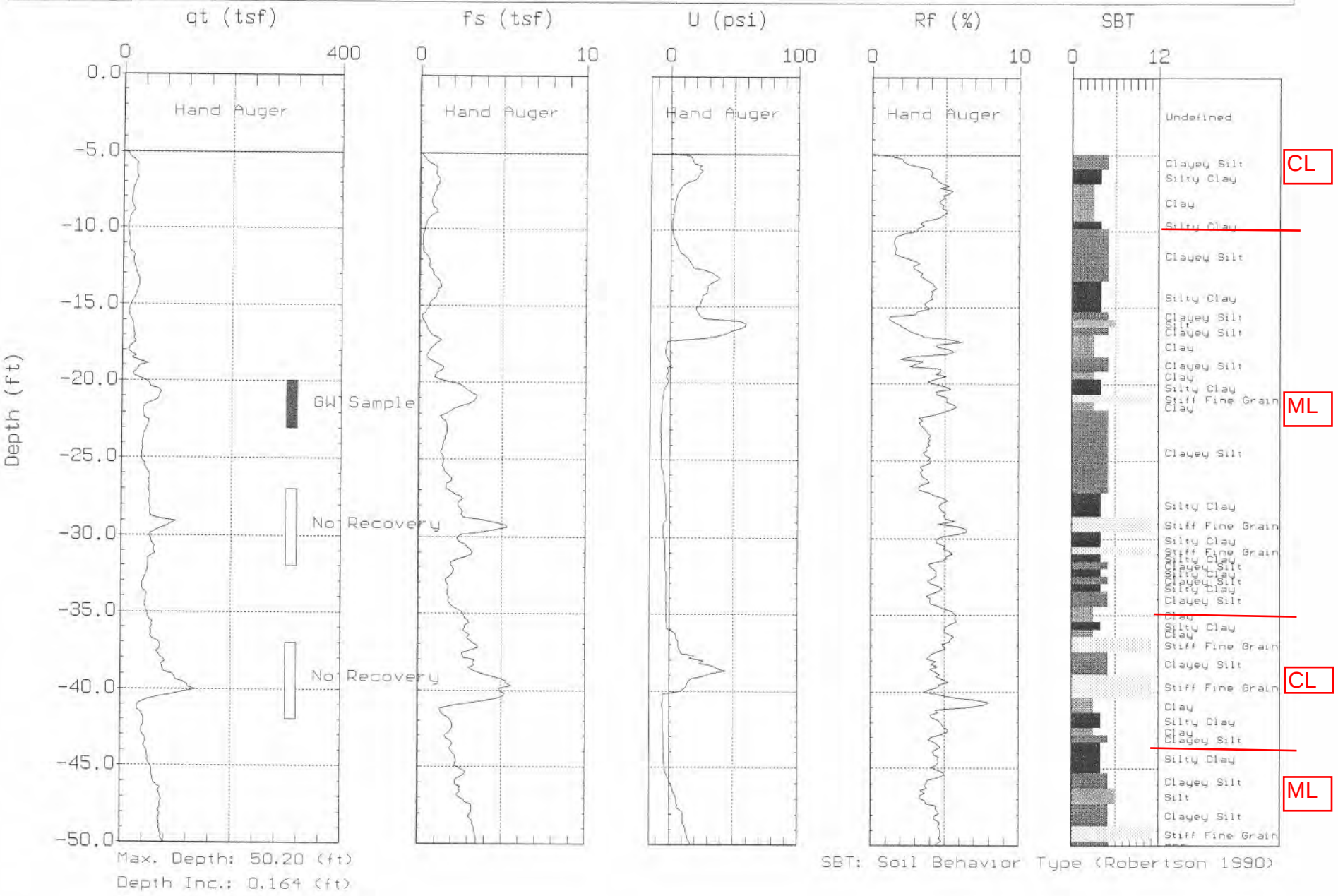

GREGG
TRC
Site: 76 STATION #4625
Location: CPT-1
Engineer: N.VORA
Date: 02:28:06 10:17
qt (tsf)
fs (tsf)
U (psi)
Rf (%)
SBT
Depth (ft)
Hand Auger
GW Sample
No Recovery
GW Sample
Max. Depth: 50.03 (ft)
Depth Inc.: 0.164 (ft)
SBT: Soil Behavior Type (Robertson 1990)
Undefined
Clay
Silty Clay
Clayey Silt
Sandy Silt
Silt
Silty Sand/Sand
Stiff Fine Grain
CL
ML
CL
ML

GREGG

TRC

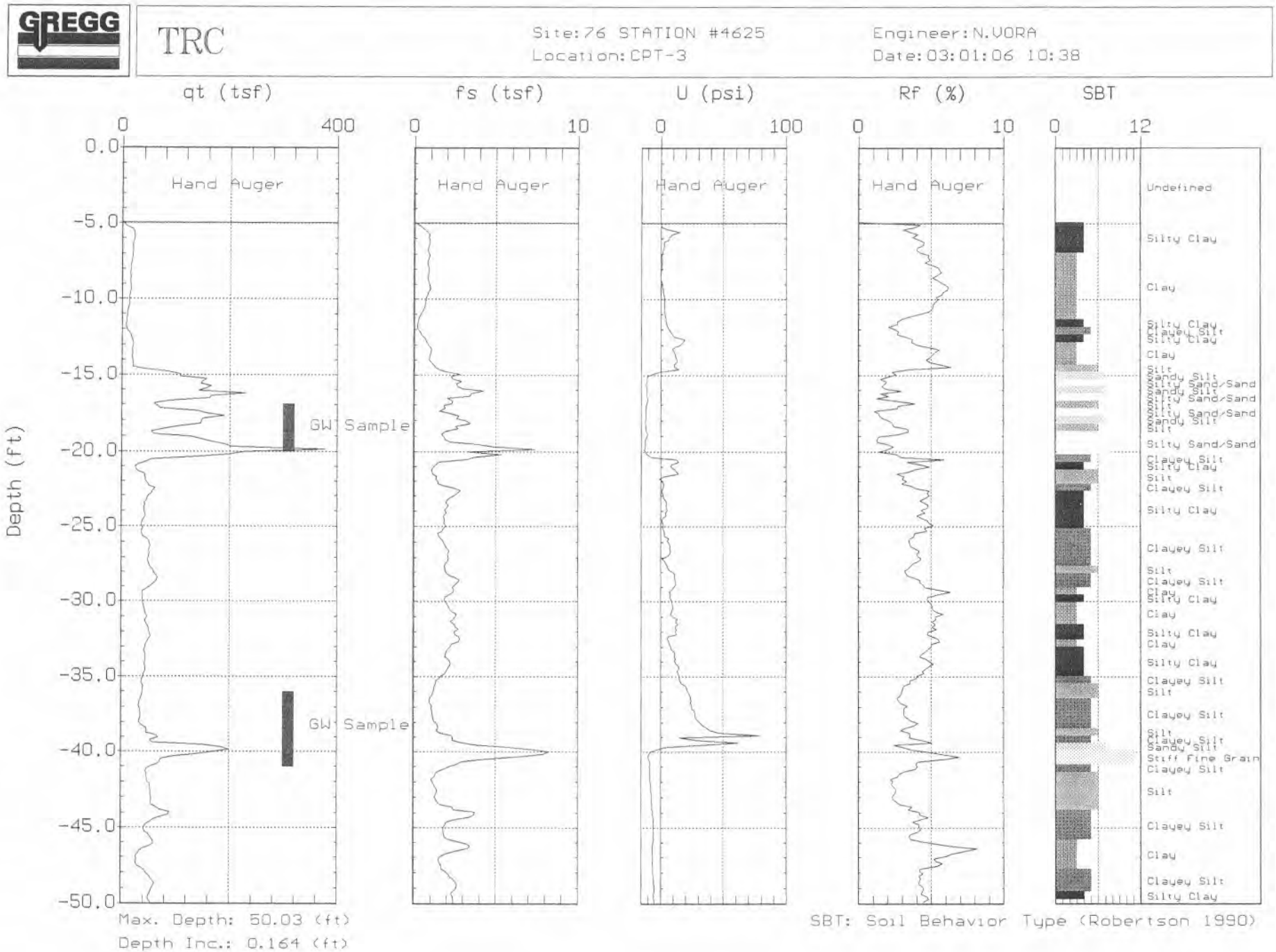
Site: 76 STATION #4625
Location: CPT-2

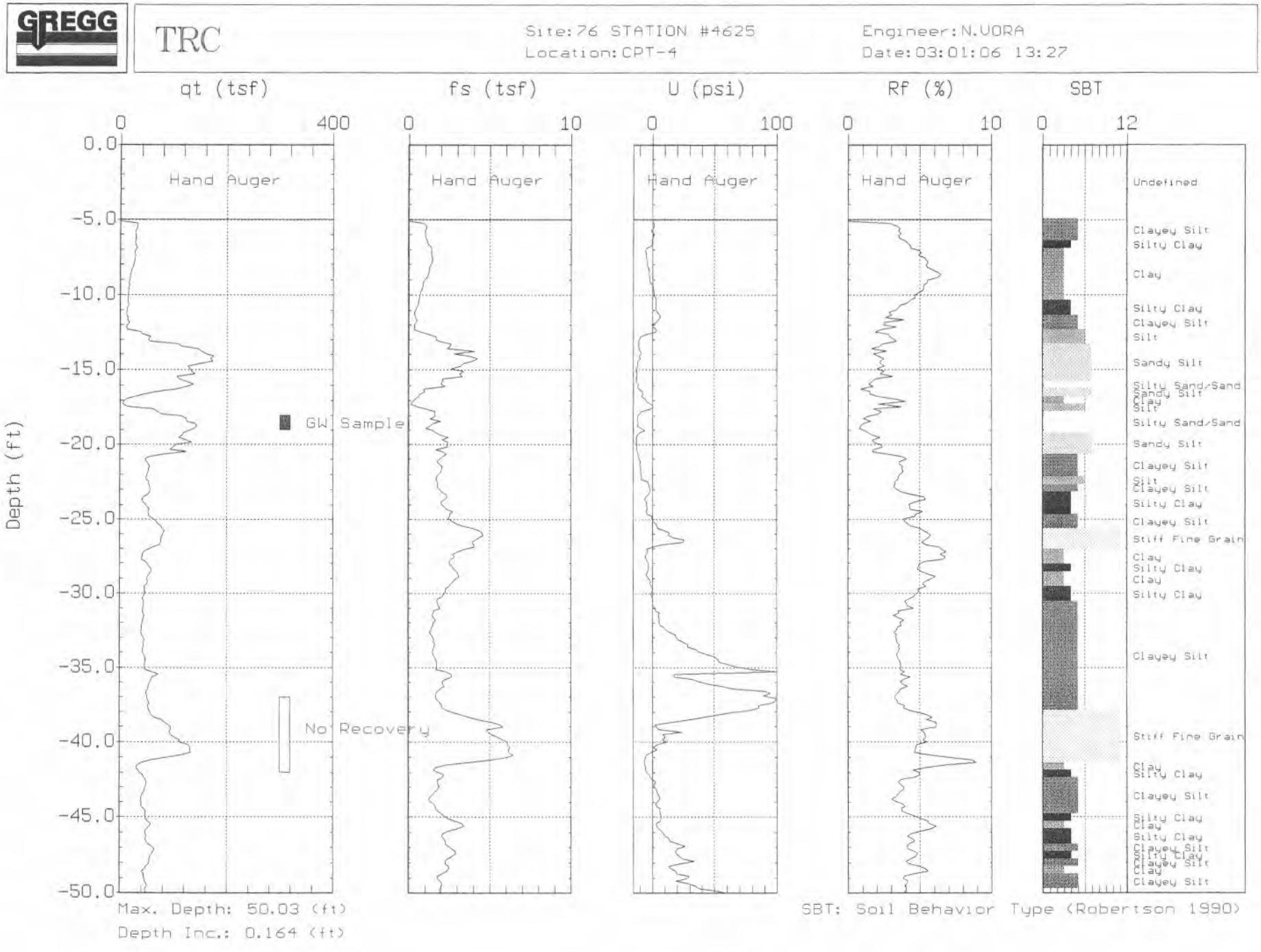
Engineer: N.VORA
Date: 02:28:06 14:38

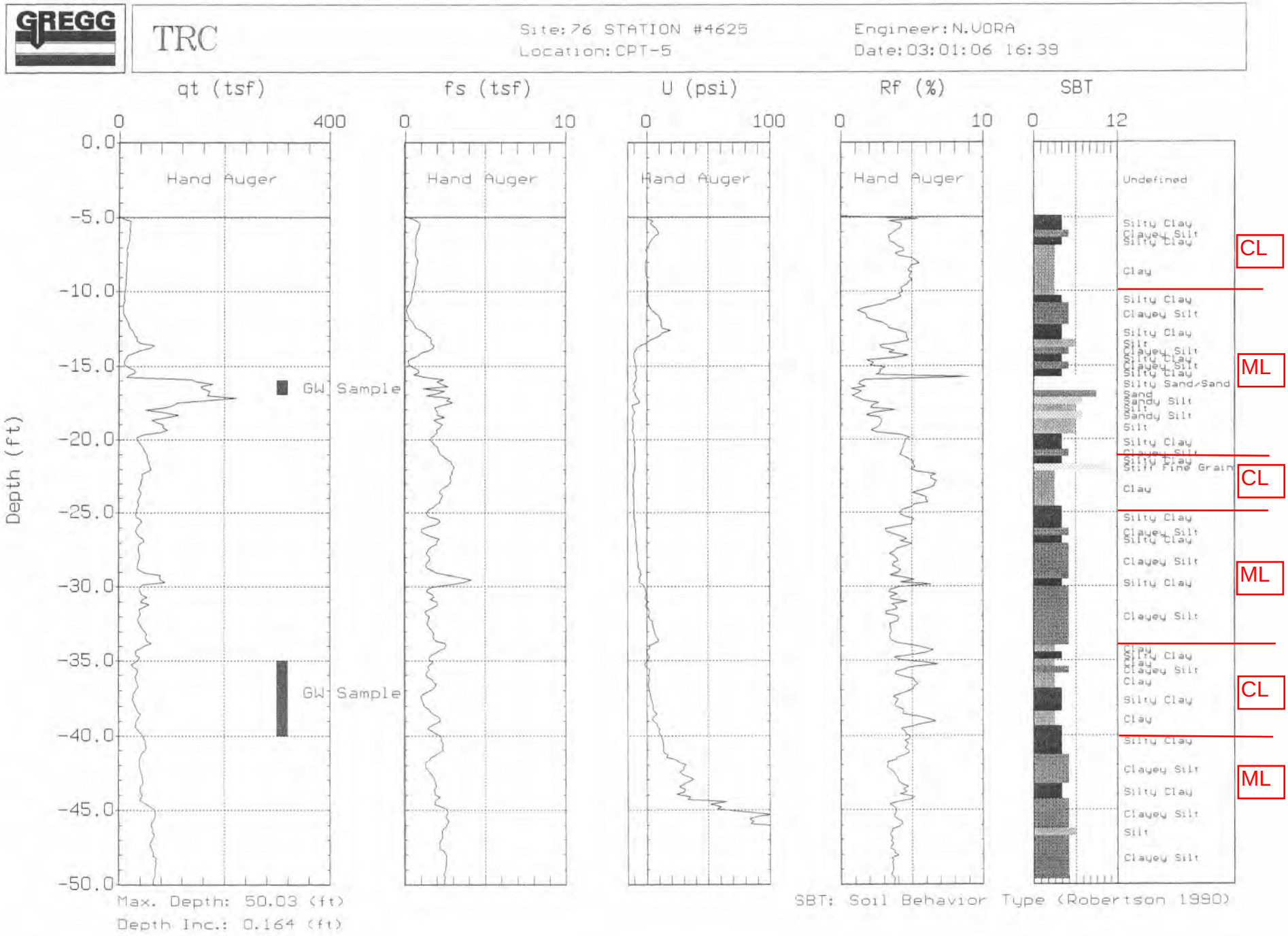


Max. Depth: 50.20 (ft)
Depth Inc.: 0.164 (ft)

SBT: Soil Behavior Type (Robertson 1990)


GREGG
TRC
Site:76 STATION #4625
Location:CPT-3
Engineer:N.VORA
Date:03:01:06 10:38
qt (tsf)
fs (tsf)
U (psi)
Rf (%)
SBT
0
400
10
100
12
Hand Auger
GW Sample
GW Sample
Depth (ft)
0.0
-5.0
-10.0
-15.0
-20.0
-25.0
-30.0
-35.0
-40.0
-45.0
-50.0
Undefined
Silty Clay
Clay
Silty Clay
Clayey Silt
Silty Clay
Clay
Silt
Sandy Silt
Silty Sand/Sand
Sandy Silt
Silty Sand/Sand
Silt
Silty Sand/Sand
Sandy Silt
Silt
Silty Sand/Sand
Clayey Silt
Silty Clay
Silt
Clayey Silt
Silty Clay
Clayey Silt
Silt
Clayey Silt
Clay
Silty Clay
Clay
Silty Clay
Clay
Silty Clay
Clayey Silt
Silt
Clayey Silt
Silt
Clayey Silt
Sandy Silt
Stiff Fine Grain
Clayey Silt
Silt
Clayey Silt
Clay
Clayey Silt
Silty Clay
Max. Depth: 50.03 (ft)
Depth Inc.: 0.164 (ft)
SBT: Soil Behavior Type (Robertson 1990)


GREGG
TRC
Site: 76 STATION #4625
Location: CPT-4
Engineer: N.UORA
Date: 03:01:06 13:27
qt (tsf)
fs (tsf)
U (psi)
Rf (%)
SBT
0
400
10
100
12
Hand Auger
GW Sample
No Recovery
Depth (ft)
0.0
-5.0
-10.0
-15.0
-20.0
-25.0
-30.0
-35.0
-40.0
-45.0
-50.0
Undefined
Clayey Silt
Silty Clay
Clay
Silty Clay
Clayey Silt
Silt
Sandy Silt
Silty Sand/Sand
Sandy Silt
Clay
Silt
Silty Sand/Sand
Sandy Silt
Clayey Silt
Silt
Clayey Silt
Silty Clay
Clayey Silt
Stiff Fine Grain
Clay
Silty Clay
Clay
Silty Clay
Clayey Silt
Stiff Fine Grain
Clay
Silty Clay
Clayey Silt
Silty Clay
Clay
Silty Clay
Clayey Silt
Silty Clay
Clay
Clayey Silt
Max. Depth: 50.03 (ft)
Depth Inc.: 0.164 (ft)
SBT: Soil Behavior Type (Robertson 1990)

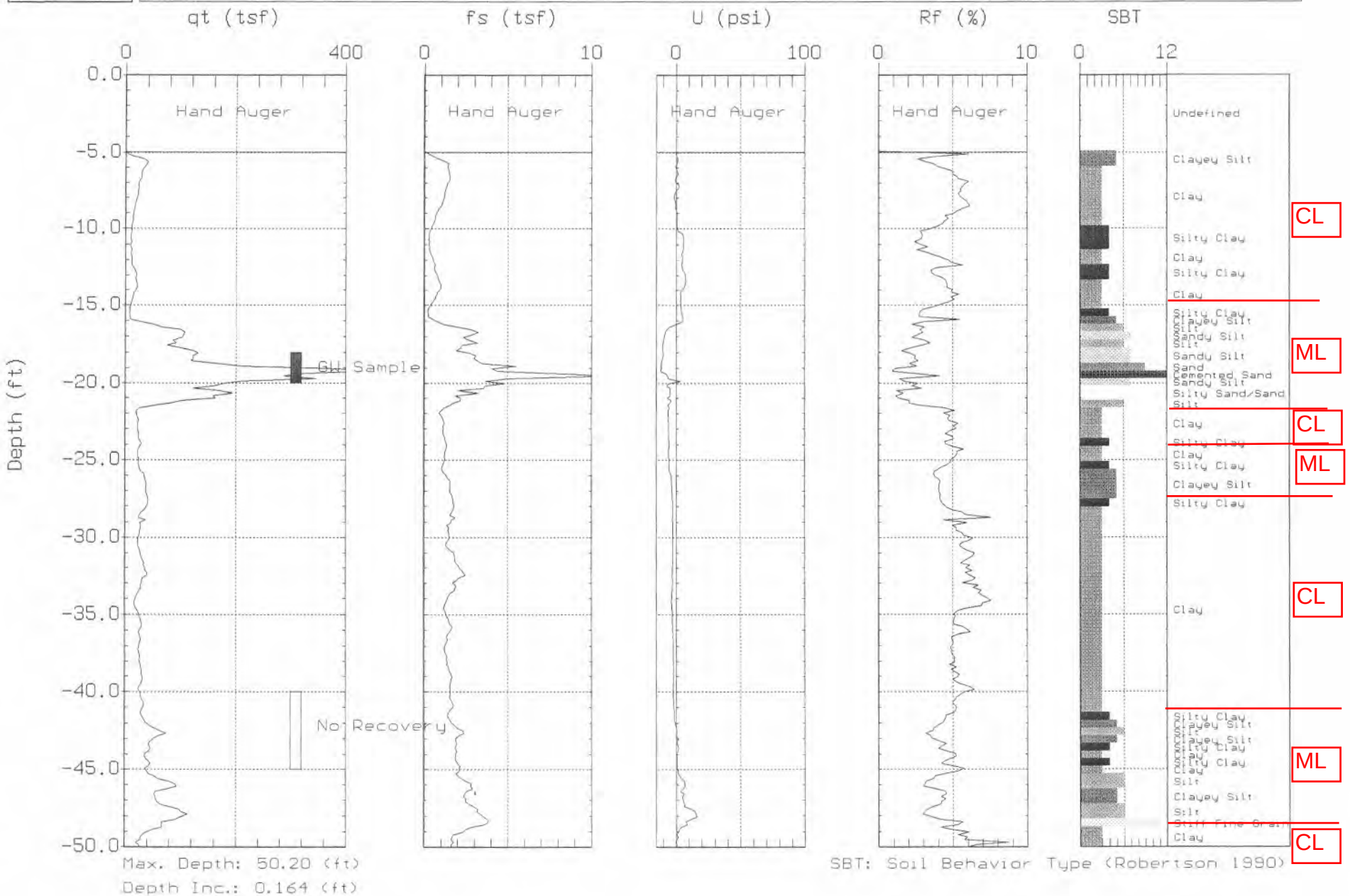

GREGG
TRC
Site: 76 STATION #4625
Location: CPT-5
Engineer: N.VORA
Date: 03:01:06 16:39
qt (tsf)
fs (tsf)
U (psi)
Rf (%)
SBT
0
400
10
100
12
0.0
-5.0
-10.0
-15.0
-20.0
-25.0
-30.0
-35.0
-40.0
-45.0
-50.0
Depth (ft)
Hand Auger
GW Sample
GW Sample
Undefined
Silty Clay
Clayey Silt
Clay
Silty Sand/Sand
Sandy Silt
Stiff Fine Grain
CL
ML
CL
ML
CL
ML
Max. Depth: 50.03 (ft)
Depth Inc.: 0.164 (ft)
SBT: Soil Behavior Type (Robertson 1990)

GREGG

TRC

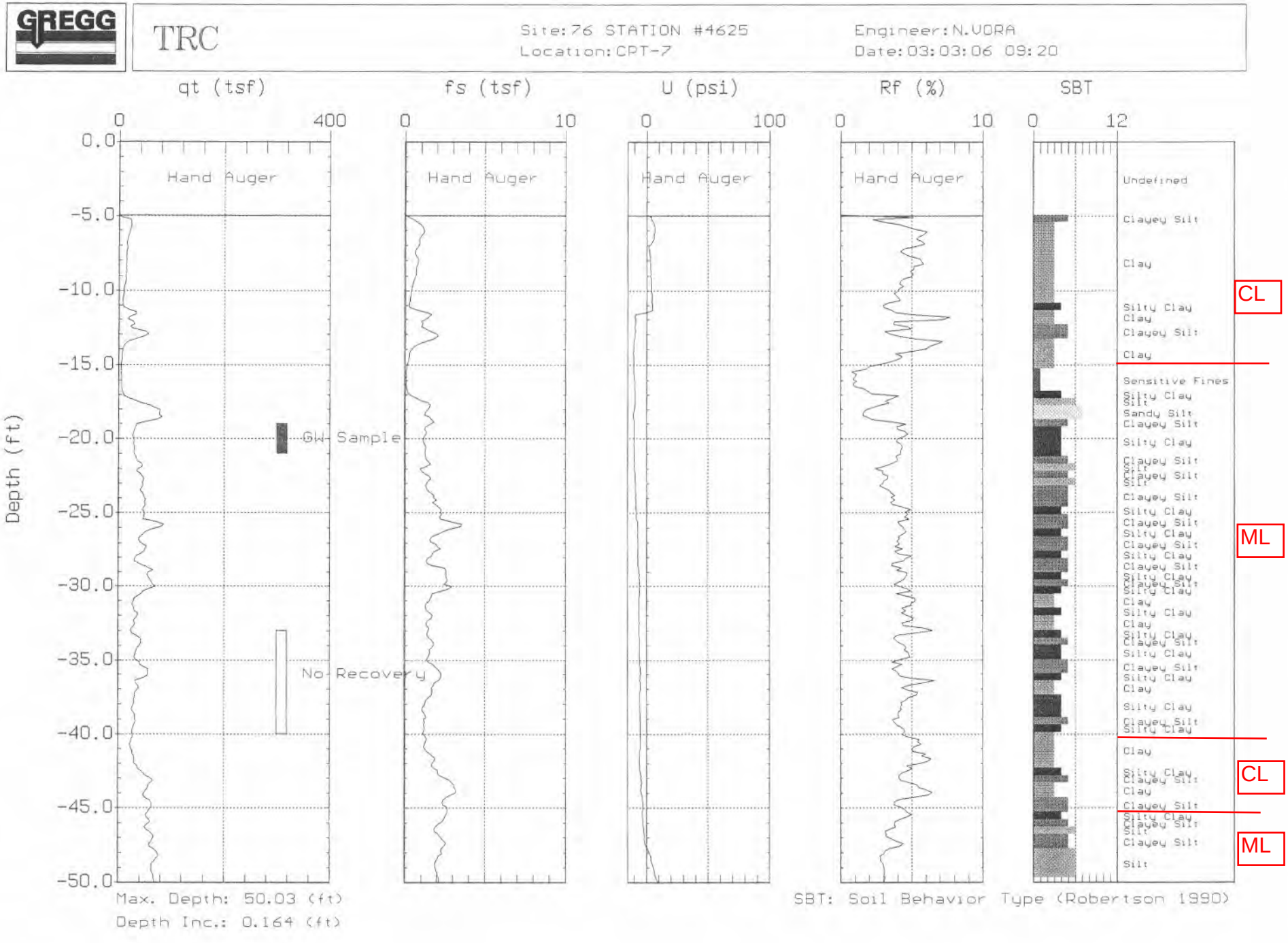
Site: 76 STATION #4625
Location: CPT-06

Engineer: N.UORA
Date: 03:02:06 13:01



Max. Depth: 50.20 (ft)
Depth Inc.: 0.164 (ft)

SBT: Soil Behavior Type (Robertson 1990)


GREGG
TRC
Site: 76 STATION #4625
Location: CPT-7
Engineer: N.VORA
Date: 03:03:06 09:20
qt (tsf)
fs (tsf)
U (psi)
Rf (%)
SBT
0
400
10
100
12
Hand Auger
GW Sample
No Recovery
Depth (ft)
0.0
-5.0
-10.0
-15.0
-20.0
-25.0
-30.0
-35.0
-40.0
-45.0
-50.0
Undefined
Clayey Silt
Clay
Silty Clay
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Silty Clay
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Sandy Silt
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Silt
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Silt
CL
ML
CL
ML
Max. Depth: 50.03 (ft)
Depth Inc.: 0.164 (ft)
SBT: Soil Behavior Type (Robertson 1990)

9. List of Landowners Form (1p)

LIST OF LANDOWNERS FORM

County of Alameda
Environmental Health Services
Environmental Protection
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

CERTIFIED LIST OF RECORD FEE TITLE OWNERS FOR:

Site Name: UNOCAL #4625

Address: 3070 Fruitvale Avenue

City, State, Zip: OAKLAND, CA 94602

Record ID #: RO0000298

Please fill out item 1 if there are multiple site landowners (attach an extra sheet if necessary). If you are the sole site landowner, skip item 1 and fill out item 2.

1. In accordance with Section 25297.15(a) of Chapter 6.7 of the California Health & Safety Code, I, Nicole M. Arceneaux (name of primary responsible party), certify that the following is a complete list of current record fee title owners and their mailing addresses for the above site:

   Name: Jamee Inc.

   Address: 3070 Fruitvale Avenue

   City, State, Zip: Oakland, CA 94602

   E-mail Address:

   Name:

   Address:

   City, State, Zip:

   E-mail Address:

   Name:

   Address:

   City, State, Zip:

   E-mail Address:

2. In accordance with Section 25297.15(a) of Chapter 6.7 of the California Health & Safety Code, I Nicole M. Arceneaux, certify that I am the sole landowner for the above site.

   Sincerely,

Signature of Primary Responsible Party	Printed Name	Date	E-mail Address
	Nicole M Arceneaux	11/17/14	nhmz@chevron.com