



**CONESTOGA-ROVERS
& ASSOCIATES**

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TRANSMITTAL

DATE: February 27, 2015 REFERENCE NO.: 241501

PROJECT NAME: 461 8th Street, Oakland

TO: Jerry Wickham

Alameda County Environmental Health

1131 Harbor Bay Parkway, Suite 250

Alameda, California 94502-6577

RECEIVED

By Alameda County Environmental Health at 12:24 pm, Mar 02, 2015

Please find enclosed: Draft Final
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 Prints

Sent via: Mail Same Day Courier
 Overnight Courier Other GeoTracker and Alameda County FTP

QUANTITY	DESCRIPTION
1	Limited Human Health Risk Assessment Report

As Requested For Review and Comment
 For Your Use

COMMENTS:

If you have any questions regarding the contents of this document, please call the CRA project manager Peter Schaefer at (510) 420-3319 or the Shell program manager Perry Pineda at (425) 413-1164.

Copy to: Perry Pineda, Shell Oil Products US (electronic copy)
Leroy Griffin, Fire Prevention Bureau, 250 Frank Ogawa Plaza, 3rd Floor, Suite 3341,
Oakland, CA 94612
Signature Land Advisors, Inc. (property owners, electronic copy)

Completed by: Peter Schaefer Signed: *Anthony Coul*

Filing: Correspondence File



Mr. Jerry Wickham
Alameda County Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Shell Oil Products US
Soil and Groundwater Focus Delivery Group
20945 S. Wilmington Avenue
Carson, CA 90810
Tel (425) 413 1164
Fax (425) 413 0988
Email perry.pineda@shell.com
Internet <http://www.shell.com>

Re: 461 8th Street
Oakland, California
SAP Code 129453
Incident No. 97093399
ACEH Case No. RO0000343

Dear Mr. Wickham:

The attached document is provided for your review and comment. Upon information and belief, I declare, under penalty of perjury, that the information contained in the attached document is true and correct.

As always, please feel free to contact me directly at (425) 413-1164 with any questions or concerns.

Sincerely,
Shell Oil Products US

A handwritten signature in black ink, appearing to read "Perry Pineda", is located below the typed name.

Perry Pineda
Senior Environmental Program Manager



LIMITED HUMAN HEALTH RISK ASSESSMENT REPORT

FORMER SHELL SERVICE STATION
461 8TH STREET
OAKLAND, CALIFORNIA

SAP CODE 129453
INCIDENT NO. 97093399
AGENCY NO. RO0000343

FEBRUARY 27, 2015
REF. NO. 241501 (38)

This report is printed on recycled paper.

Prepared by:
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EXECUTIVE SUMMARY

- CRA assessed the potential for soil vapor intrusion to indoor air based on approved plans for site redevelopment. The approved building will be completed at or near current grade, with the exception of two bays of car stackers, which will be installed at approximately 14 fbg.
- Potential receptors identified were on-site residents and on-site commercial workers.
- CRA evaluated the soil vapor intrusion to indoor air exposure pathway.
- Based on on-site shallow soil vapor data and groundwater and soil data from the wells and borings located closest to the car stacker bays, CRA's human health risk assessment did not identify any COPCs.
- CRA concludes that soil vapor intrusion to indoor air does not pose an unacceptable risk to future residents or commercial workers in the approved building.
- No soil vapor mitigation or remediation is needed to address soil vapor intrusion concerns associated with the approved building.

1.0 INTRODUCTION

Conestoga-Rovers & Associates (CRA) prepared this report on behalf of Equilon Enterprises LLC dba Shell Oil Products US (Shell) to detail our soil vapor intrusion to indoor air assessment based on approved redevelopment plans for the subject site. CRA is submitting this assessment as requested during CRA's November 13, 2014 meeting with Shell, Alameda County Environmental Health, and Signature Land Advisors, Inc.'s representative.

The site is a paved parking lot located at the southwestern corner of the intersection of 8th Street and Broadway in a primarily commercial area of Oakland, California (Figure 1). The former station layout included an underground storage tank complex and dispenser islands (Figure 2).

Redevelopment plans approved by the City of Oakland call for construction of a five-story building with a garage and commercial spaces on the ground floor and residential units on the upper floors. The approved building will be complete at or near current grade, with the exception of two bays of parking structures (car stackers) to be located in the western-central and southwestern portions of the site (Figure 3), which will be installed to approximately 14 feet below grade (fbg).

A summary of previous work performed at the site and additional background information is presented in CRA's August 28, 2014 *Separate-Phase Hydrocarbon Removal Work Plan* and is not repeated herein. Historical soil vapor analytical data are presented in Table 1, and historical soil analytical data are presented in Table 2 and on Figure 4. Historical groundwater data is presented in Table 3, and total petroleum hydrocarbons as gasoline (TPHg) and benzene data from second quarter 2014 are presented on Figure 5.

2.0 SITE BACKGROUND AND REMEDIATION HISTORY

There were previous plans for development of the subject site during 2008. At that time, to help facilitate the planned development, Shell conducted an excavation of the source area, shown on Figure 2, and removed approximately 1,340 tons of impacted soil. Following the excavation, five in situ chemical oxidation injection events were conducted also in the source area.

3.0 LIMITED HUMAN HEALTH RISK ASSESSMENT (HHRA)

CRA conducted an HHRA to evaluate whether the residual petroleum hydrocarbons in the site subsurface could pose risks or hazards that are above acceptable levels to human health for the prospective approved building occupants. The detailed HHRA is presented in Appendix A. A summary is presented below.

3.1 POTENTIAL RECEPTORS

CRA identified on-site residents and on-site commercial workers as potential receptors for the HHRA.

3.2 POTENTIAL EXPOSURE PATHWAY

In the HHRA, CRA reviewed the potentially-completed soil vapor intrusion to indoor air exposure pathway to potential future on-site commercial workers and residents based on soil vapor analytical data collected at 5 and 10 fbg in 2011 and 2012, groundwater monitoring, and historical soil data.

3.3 CHEMICALS OF POTENTIAL CONCERN (COPCs)

CRA initially considered all detected soil vapor concentrations in soil vapor samples collected at 5 and 10 fbg in 2011 and 2012 (post-remediation) as potential COPCs. Only ethylbenzene and total xylenes were detected in these samples, and none of the concentrations exceeded San Francisco Bay Regional Water Quality Control Board (RWQCB) environmental screening levels (ESLs)¹ for soil gas for evaluating vapor intrusion concerns, so no further COPC screening was undertaken for the portion of the building to be completed at-grade (Figure 3).

As discussed above, two car stacker bays will be completed at approximately 14 fbg. The bays are located up or cross gradient of the source area (Figures 2 and 3). As there are no soil vapor samples deeper than 10 fbg, CRA initially considered all constituents detected in groundwater from wells S-10 and S-12, which are closest in proximity to the car stacker bays and are down or cross gradient of the source area, during 2014 as possible COPCs. Well S-12 is located within the southern bay, and well S-10 is located within 10 feet of the northern bay. TPHg, benzene, toluene, ethylbenzene, and total

¹ *User's Guide: Derivation and Application of Environmental Screening Levels*, RWQCB, Interim Final – 2013

xylenes (BTEX) were detected in these samples, and none of the concentrations exceeded RWQCB groundwater screening levels for evaluation of potential vapor intrusion (Table E-1 of the ESL document). CRA also initially considered constituents detected in soil from the car stacker bay locations as possible COPCs. The soil data from borings B-2, B-6, B-14, B-15, B-19, B-20, B-21, and S-12, drilled within the bays prior to remediation, contained BTEX detections that were below soil ESLs, further demonstrating that the car stacker bays will be located outside of the source area. Because none of the possible COPCs in representative groundwater or soil exceeded the screening levels, no further COPC screening was undertaken for the car stacker bays. We also note that no personnel will be occupying the car stacker bays so there is not a completed exposure pathway for soil vapor intrusion in this portion of the building.

3.4 HHRA RESULTS

The limited HHRA assessed the potentially-completed soil vapor intrusion to indoor air human health risk pathway. All COPCs in on-site soil vapor samples collected at 5 and 10 fbg in 2011 and 2012 are below residential ESLs, all COPCs in groundwater from wells near the car stackers are below RWQCB groundwater screening criteria, and all COPCs in soil from the area beneath the car stacker bays are below ESLs. Therefore, there is no reasonable risk of soil vapor intrusion to indoor air in the approved building.

4.0 CONCLUSIONS AND RECOMMENDATIONS

No additional soil vapor investigation is warranted.

The HHRA concludes that it is unlikely that residual petroleum hydrocarbon concentrations pose an unacceptable risk or hazard to on-site receptors.

No soil vapor mitigation or remediation is needed to address soil vapor intrusion concerns associated with the approved building.

All of Which is Respectfully Submitted,
CONESTOGA-ROVERS & ASSOCIATES

Aubrey K Cool

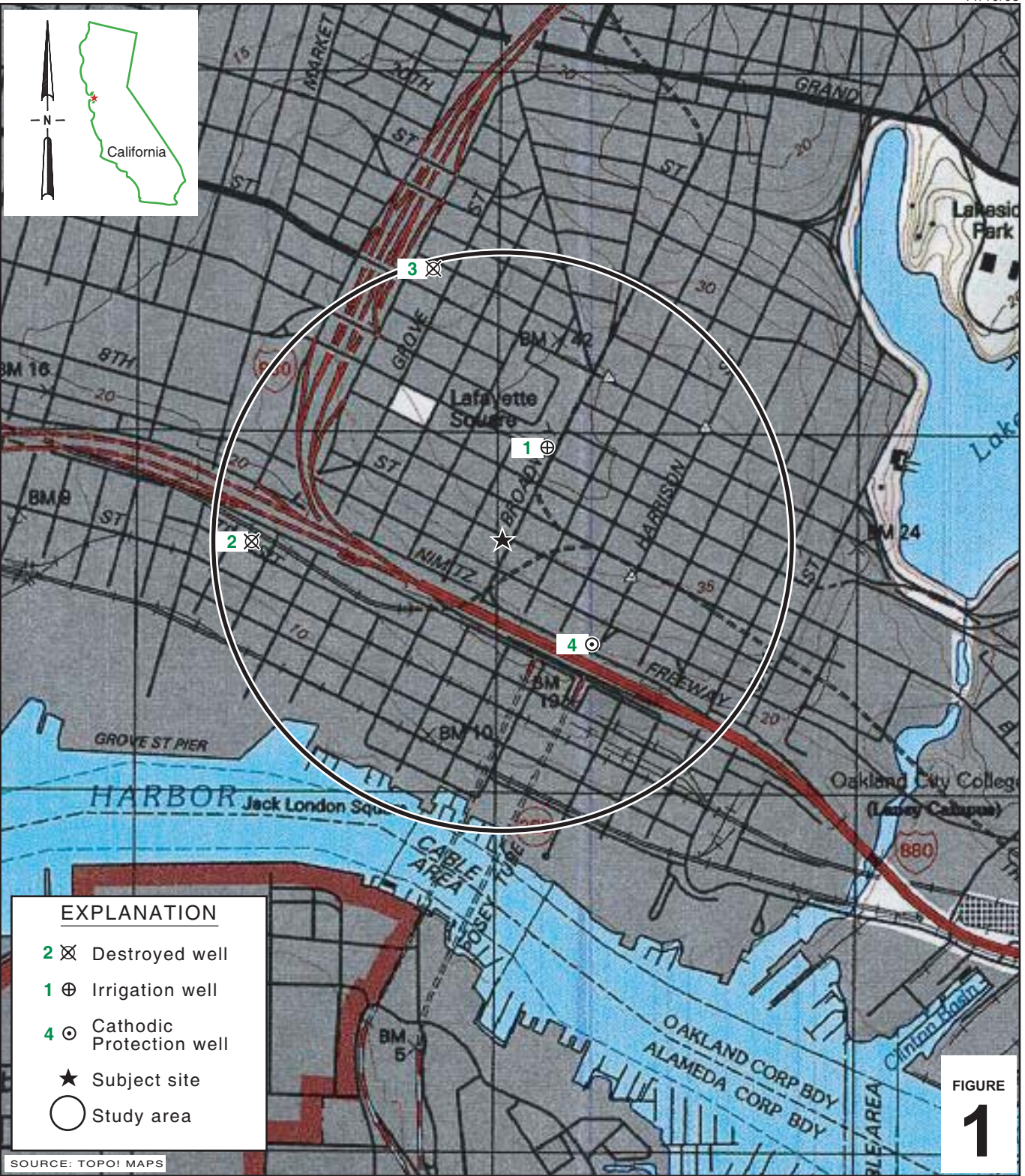
for: Peter Schaefer, CEG, CHG



April Gowing

April Gowing, PhD

FIGURES



I:\Shell\6-chars\2415--\241501-Oakland 461 8th\241501-FIGURES\241501 VICINITY.AI

SOURCE: TOPOI MAPS



Former Shell Service Station
 461 8th Street
 Oakland, California

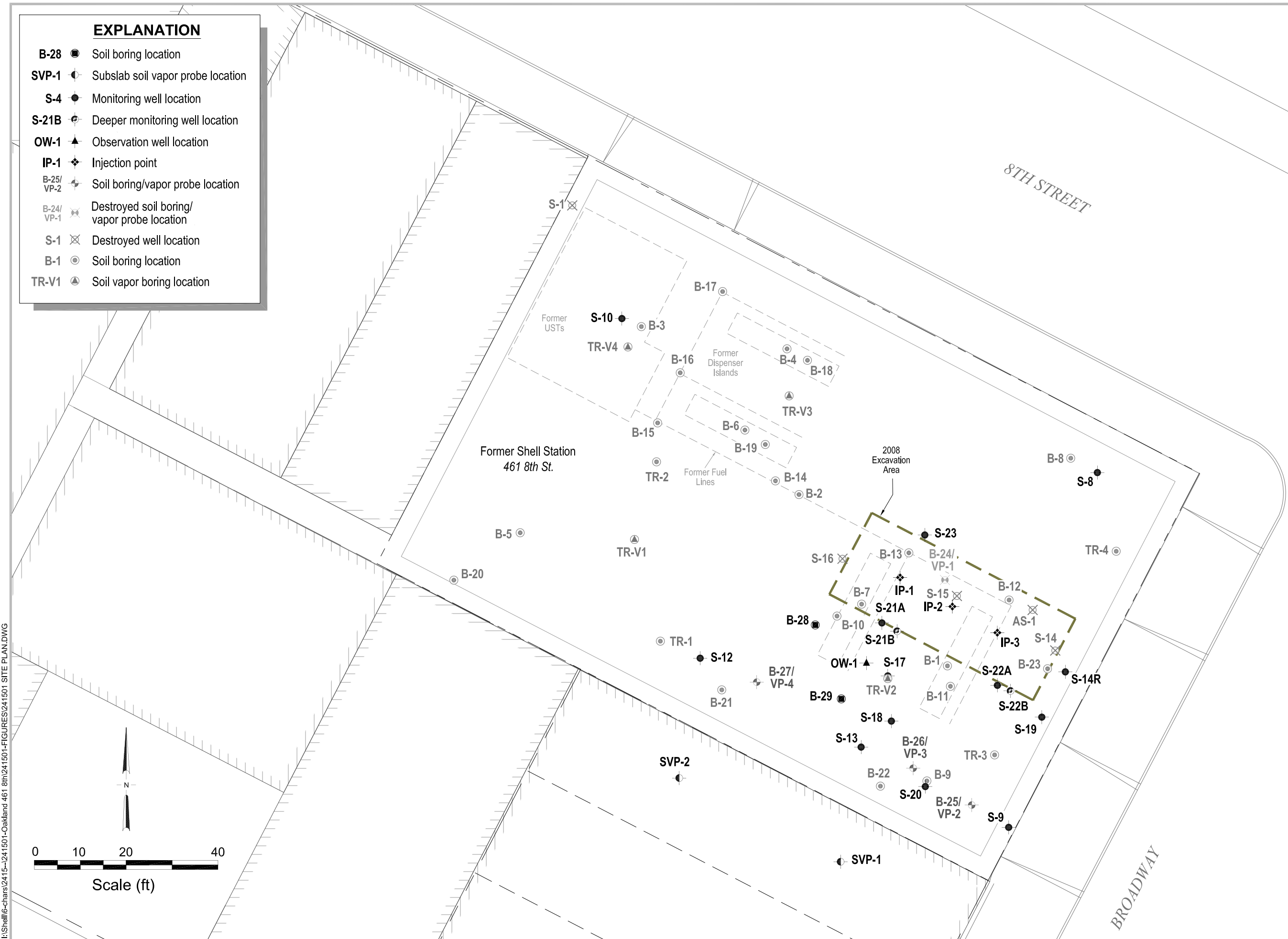


**CONESTOGA-ROVERS
 & ASSOCIATES**

Vicinity Map

EXPLANATION

- B-28 ● Soil boring location
- SVP-1 ◐ Subslab soil vapor probe location
- S-4 ● Monitoring well location
- S-21B ◐ Deeper monitoring well location
- OW-1 ▲ Observation well location
- IP-1 ◆ Injection point
- B-25/VP-2 ◐ Soil boring/vapor probe location
- B-24/VP-1 ◐ Destroyed soil boring/vapor probe location
- S-1 ◐ Destroyed well location
- B-1 ● Soil boring location
- TR-V1 ▲ Soil vapor boring location



I:\Shell6-chars\2415--241501-Oakland 461 8th\241501-FIGURES\241501 SITE PLAN.DWG

FIGURE
2

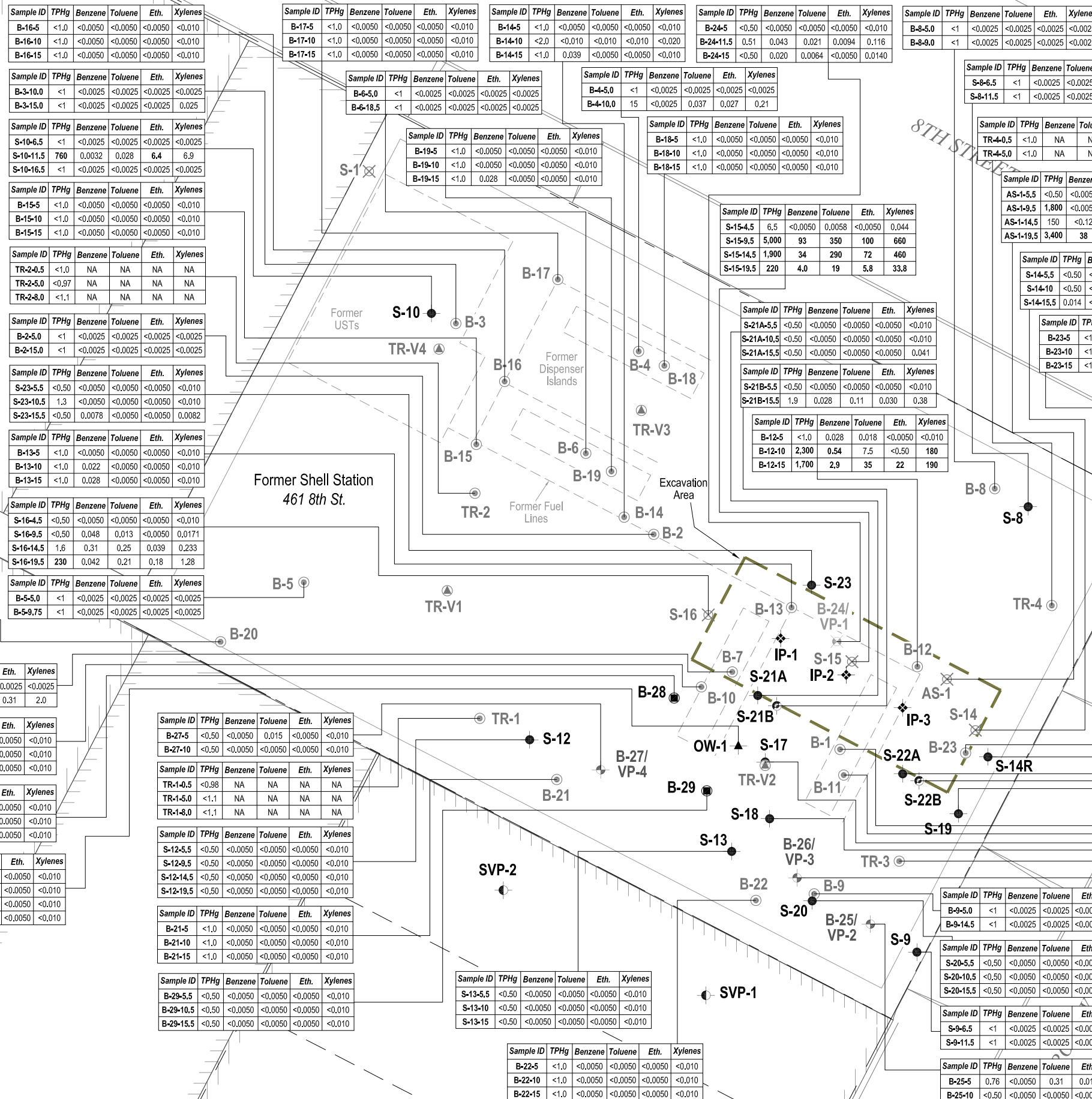
EXPLANATION

- B-28 ● Soil boring location
- SVP-1 ◐ Subslab soil vapor probe location
- S-4 ● Monitoring well location
- S-21B ● Deeper monitoring well location
- OW-1 ▲ Observation well location
- IP-1 ◆ Injection point
- B-25/VP-2 ◐ Soil boring/vapor probe location
- B-24/VP-1 ◐ Destroyed soil boring/vapor probe location
- S-1 ⊗ Destroyed well location
- B-1 ● Soil boring location
- TR-V1 ▲ Soil vapor boring location

Sample ID	TPHg	Benzene	Toluene	Eth.	Xylenes
B-1-5.0	<1	<0.0025	<0.0025	<0.0025	<0.0025
B-1-10.0	<1	<0.0025	<0.0025	<0.0025	<0.0025

Notes:

Soil sample ID and concentrations in milligrams per kilogram
 TPHg = Total petroleum hydrocarbons as gasoline
 Eth. = Ethylbenzene
 Xylenes = Total xylenes
 <X = Not detected at reporting limit X
 NA = Not analyzed



Sample ID	TPHg	Benzene	Toluene	Eth.	Xylenes
B-20-5	<1.0	<0.0050	<0.0050	<0.0050	<0.010
B-20-10	<1.0	<0.0050	<0.0050	<0.0050	<0.010
B-20-15	<1.0	<0.0050	<0.0050	<0.0050	<0.010

Sample ID	TPHg	Benzene	Toluene	Eth.	Xylenes
B-7-5.0	<1	<0.0025	<0.0025	<0.0025	<0.0025
B-7-10.0	14	0.24	0.89	0.31	2.0

Sample ID	TPHg	Benzene	Toluene	Eth.	Xylenes
B-10-5	<1.0	<0.0050	<0.0050	<0.0050	<0.010
B-10-10	<1.0	<0.0050	<0.0050	<0.0050	<0.010
B-10-15	<1.0	<0.0050	<0.0050	<0.0050	<0.010

Sample ID	TPHg	Benzene	Toluene	Eth.	Xylenes
B-28-5.5	<0.50	<0.0050	<0.0050	<0.0050	<0.010
B-28-10.5	<0.50	<0.0050	<0.0050	<0.0050	<0.010
B-28-15.5	<0.50	<0.0050	<0.0050	<0.0050	<0.010

Sample ID	TPHg	Benzene	Toluene	Eth.	Xylenes
OW-1-6.5	<0.50	<0.0050	<0.0050	<0.0050	<0.010
OW-1-11	<0.50	<0.0050	<0.0050	<0.0050	<0.010
OW-1-16	<0.50	<0.0050	<0.0050	<0.0050	<0.010
OW-1-19.5	<0.50	<0.0050	<0.0050	<0.0050	<0.010

Sample ID	TPHg	Benzene	Toluene	Eth.	Xylenes
B-27-5	<0.50	<0.0050	0.015	<0.0050	<0.010
B-27-10	<0.50	<0.0050	<0.0050	<0.0050	<0.010

Sample ID	TPHg	Benzene	Toluene	Eth.	Xylenes
TR-1-0.5	<0.98	NA	NA	NA	NA
TR-1-5.0	<1.1	NA	NA	NA	NA
TR-1-8.0	<1.1	NA	NA	NA	NA

Sample ID	TPHg	Benzene	Toluene	Eth.	Xylenes
S-12-5.5	<0.50	<0.0050	<0.0050	<0.0050	<0.010
S-12-9.5	<0.50	<0.0050	<0.0050	<0.0050	<0.010
S-12-14.5	<0.50	<0.0050	<0.0050	<0.0050	<0.010
S-12-19.5	<0.50	<0.0050	<0.0050	<0.0050	<0.010

Sample ID	TPHg	Benzene	Toluene	Eth.	Xylenes
B-21-5	<1.0	<0.0050	<0.0050	<0.0050	<0.010
B-21-10	<1.0	<0.0050	<0.0050	<0.0050	<0.010
B-21-15	<1.0	<0.0050	<0.0050	<0.0050	<0.010

Sample ID	TPHg	Benzene	Toluene	Eth.	Xylenes
B-29-5.5	<0.50	<0.0050	<0.0050	<0.0050	<0.010
B-29-10.5	<0.50	<0.0050	<0.0050	<0.0050	<0.010
B-29-15.5	<0.50	<0.0050	<0.0050	<0.0050	<0.010

Sample ID	TPHg	Benzene	Toluene	Eth.	Xylenes
S-13-5.5	<0.50	<0.0050	<0.0050	<0.0050	<0.010
S-13-10	<0.50	<0.0050	<0.0050	<0.0050	<0.010
S-13-15	<0.50	<0.0050	<0.0050	<0.0050	<0.010

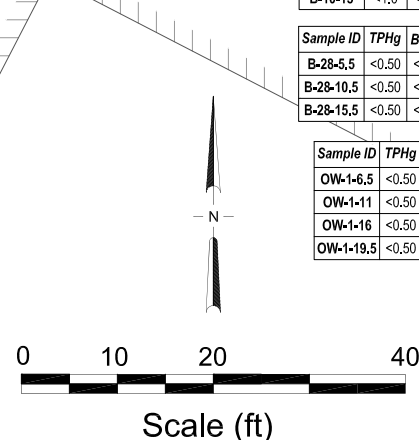
Sample ID	TPHg	Benzene	Toluene	Eth.	Xylenes
B-22-5	<1.0	<0.0050	<0.0050	<0.0050	<0.010
B-22-10	<1.0	<0.0050	<0.0050	<0.0050	<0.010
B-22-15	<1.0	<0.0050	<0.0050	<0.0050	<0.010

Sample ID	TPHg	Benzene	Toluene	Eth.	Xylenes
B-9-5.0	<1	<0.0025	<0.0025	<0.0025	<0.0025
B-9-14.5	<1	<0.0025	<0.0025	<0.0025	<0.0025

Sample ID	TPHg	Benzene	Toluene	Eth.	Xylenes
S-20-5.5	<0.50	<0.0050	<0.0050	<0.0050	<0.010
S-20-10.5	<0.50	<0.0050	<0.0050	<0.0050	<0.010
S-20-15.5	<0.50	<0.0050	<0.0050	<0.0050	<0.010

Sample ID	TPHg	Benzene	Toluene	Eth.	Xylenes
S-9-6.5	<1	<0.0025	<0.0025	<0.0025	<0.0025
S-9-11.5	<1	<0.0025	<0.0025	<0.0025	<0.0025

Sample ID	TPHg	Benzene	Toluene	Eth.	Xylenes
B-25-5	0.76	<0.0050	0.31	0.11	0.70
B-25-10	<0.50	<0.0050	<0.0050	<0.0050	<0.010



I:\Shell6-chars\2415-1-241501-FIGURES\241501 SITE PLAN.DWG

Historical Vadose-Zone
Soil Analytical Data



Former Shell Service Station
461 8th Street
Oakland, California

FIGURE

4

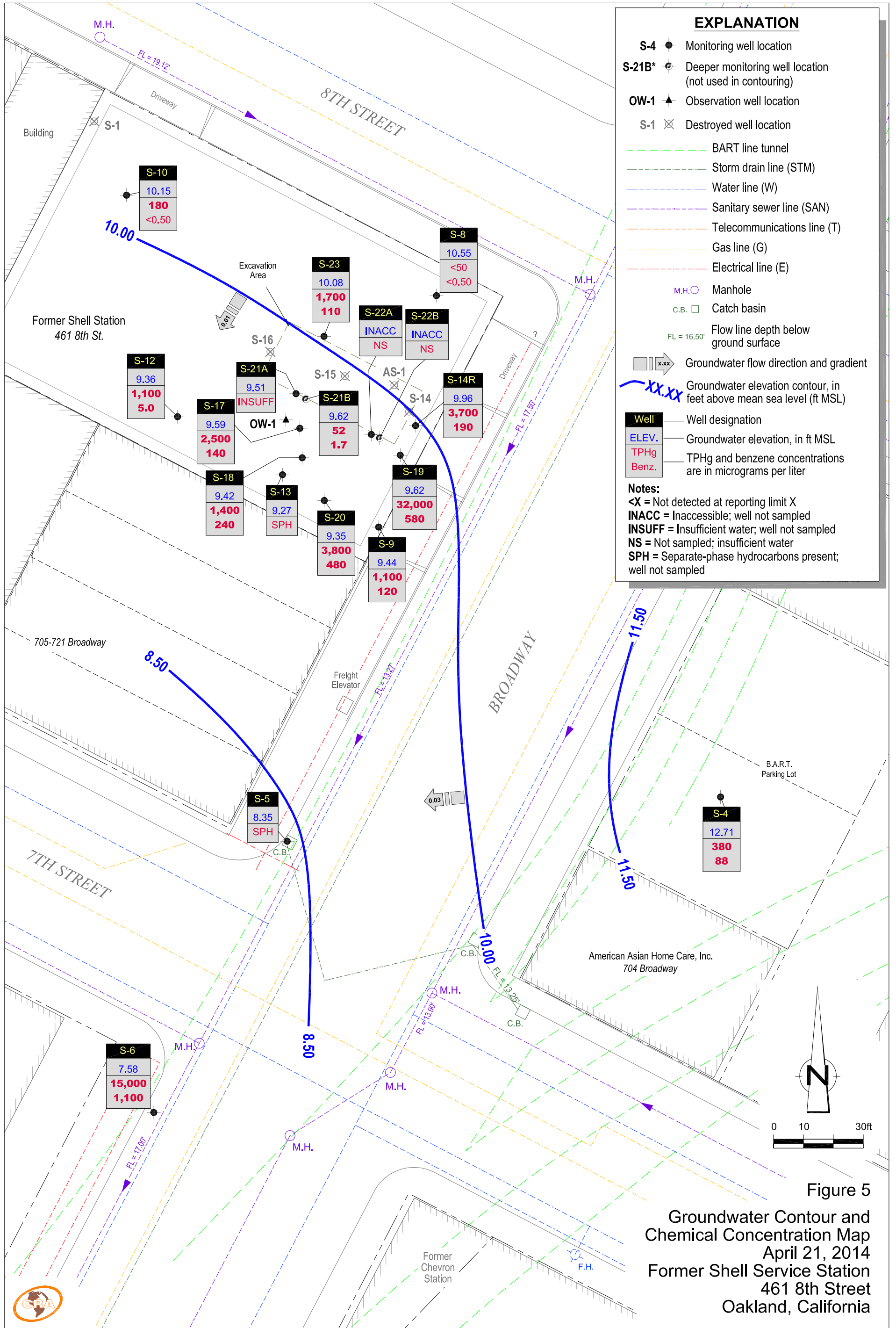


Figure 5
 Groundwater Contour and
 Chemical Concentration Map
 April 21, 2014
 Former Shell Service Station
 461 8th Street
 Oakland, California

TABLES

TABLE 1

**HISTORICAL SOIL VAPOR ANALYTICAL DATA
FORMER SHELL SERVICE STATION
461 8TH STREET, OAKLAND, CALIFORNIA**

Sample ID	Date	Depth (fbg)	TPHg ($\mu\text{g}/\text{m}^3$)	B ($\mu\text{g}/\text{m}^3$)	T ($\mu\text{g}/\text{m}^3$)	E ($\mu\text{g}/\text{m}^3$)	X ($\mu\text{g}/\text{m}^3$)	Isobutane ($\mu\text{g}/\text{m}^3$)	Butane ($\mu\text{g}/\text{m}^3$)	Propane ($\mu\text{g}/\text{m}^3$)	Methane (%v)	Carbon Dioxide (%v)	Oxygen + Argon (%v)	Helium (%v)
TR-V1 a	05/20/2005	4.5	---	<1,000	<1,000	<1,000	<1,000	---	---	---	---	---	---	---
TR-V1 b	05/20/2005	4.5	---	<1,000	<1,000	<1,000	<1,000	---	---	---	---	---	---	---
TR-V1 c	05/20/2005	4.5	---	<1,000	<1,000	<1,000	<1,000	---	---	---	---	---	---	---
TR-V2 b	05/20/2005	5	---	<1,000	<1,000	<1,000	<1,000	---	---	---	---	---	---	---
TR-V3 b	05/20/2005	5	---	<1,000	<1,000	<1,000	<1,000	---	---	---	---	---	---	---
TR-V4 b	05/20/2005	5	---	<1,000	<1,000	<1,000	<1,000	---	---	---	---	---	---	---
VP-1-5 d	12/11/2007	5	<19,000	170	150	56	613	---	---	---	---	---	---	---
VP-1-9.5 d	12/11/2007	9.5	160,000	9,600	4,400	1,200	12,700	---	---	---	---	---	---	---
VP-2-5	12/11/2007	5	<20,000	<2.7	6.4	<3.7	<18.7	---	---	---	---	---	---	---
VP-2-5	12/08/2008	5	<9,700	3.3	<3.2	5.1	<15	<20	<20	<46	---	---	---	---
VP-2-5	01/05/2009	5	<9,500	5.7	3.3	<3.6	<14	<20	<20	<45	---	---	---	---
VP-2-5	03/12/2009	5	<8,700	<2.4	<2.9	<3.3	<13	<18	<18	<41	---	---	---	---
VP-2-5-DUP	03/12/2009	5	<9,200	5.1	<3.0	<3.5	<14	<19	<19	<44	---	---	---	---
VP-2-5	04/27/2009	5	<8,000	<2.2	<2.6	<3.0	<12	<17	<17	<38	---	---	---	---
VP-2-5-DUP	04/27/2009	5	<8,000	<2.2	<2.6	<3.0	<12	<17	<17	<38	---	---	---	---
VP-2-9.5	12/08/2008	9.5	<9,500	13	<3.1	7.0	<14	<20	<20	<45	---	---	---	---
VP-2-9.5	01/05/2009	9.5	<8,900	<2.5	<2.9	<3.4	<14	<19	<19	<42	---	---	---	---
VP-2-9	03/12/2009	9.5	<8,500	<2.4	<2.8	<3.2	<13	<18	<18	<40	---	---	---	---
VP-2-9	04/27/2009	9.5	<8,000	<2.2	<2.6	<3.0	<12	<17	<17	<38	---	---	---	---
VP-3-5	12/11/2007	5	<17,000	<2.4	5	<3.3	<16.3	30	10	ND	---	---	---	---
VP-3-5	12/08/2008	5	<9,900	<2.7	<3.2	<3.7	<15	77	<20	<47	---	---	---	---
VP-3-5	01/05/2009	5	<8,400	<2.3	5.0	<3.2	<13	160	<17	<40	---	---	---	---
VP-3-5	03/12/2009	5	<9,200	<2.6	<3.0	<3.5	<14	<19	<19	<44	---	---	---	---
VP-3-5	04/27/2009	5	<8,800	<2.5	<2.9	<3.3	<13	<18	<18	<42	---	---	---	---
VP-3-9.5	12/11/2007	9.5	<18,000	5	20	4	36	348	---	---	---	---	---	---
VP-3-9.5	12/08/2008	9.5	<10,000	<2.8	<3.4	<3.9	<15	<21	<21	<48	---	---	---	---
VP-3-9.5	01/05/2009	9.5	<9,900	<2.8	5.5	<3.8	<15	560	21	<47	---	---	---	---
VP-3-9	03/12/2009	9.5	<9,300	<2.6	<3.1	<3.5	<14	<19	<19	<44	---	---	---	---
VP-3-9	04/27/2009	9.5	<8,600	<2.4	<2.8	<3.3	<13	<18	<18	<41	---	---	---	---

TABLE 1

**HISTORICAL SOIL VAPOR ANALYTICAL DATA
FORMER SHELL SERVICE STATION
461 8TH STREET, OAKLAND, CALIFORNIA**

Sample ID	Date	Depth (fbg)	TPHg (µg/m ³)	B (µg/m ³)	T (µg/m ³)	E (µg/m ³)	X (µg/m ³)	Isobutane (µg/m ³)	Butane (µg/m ³)	Propane (µg/m ³)	Methane (%v)	Carbon Dioxide (%v)	Oxygen + Argon (%v)	Helium (%v)
VP-4-5	12/11/2007	5	<18,000	<2.6	35	<3.5	14	---	6.9	---	---	---	---	---
VP-4-5	12/08/2008	5	170,000	<11	<13	<15	<60	55,000	1,200	7,900	---	---	---	---
VP-4-5 DUP	12/08/2008	5	170,000	<11	<13	<15	<61	84,000	1,200	8,600	---	---	---	---
VP-4-5	01/05/2009	5	<8,300	<2.3	4.8	<3.1	<13	61	<17	<39	---	---	---	---
VP-4-5	03/12/2009	5	<8,800	<2.5	<2.9	<3.3	<13	<18	<18	<42	---	---	---	---
VP-4-5	04/27/2009	5	<8,400	<2.3	<2.8	<3.2	<13	<17	<17	<40	---	---	---	---
VP-4-9.5	12/11/2007	9.5	<16,000	<2.2	79	4.3	40.4	ND	ND	ND	---	---	---	---
VP-4-9.5	12/08/2008	9.5	26,000	<2.6	4.2	<3.5	<14	8,800	120	94	---	---	---	---
VP-4-9.5	01/05/2009	9.5	<10,000	<2.8	4.3	<3.8	<15	1,900	<21	120	---	---	---	---
VP-4-9.5-DUP	01/05/2009	9.5	<8,900	<2.5	4.4	<3.4	<14	1,600	19	<42	---	---	---	---
VP-4-9	03/12/2009	9.5	<8,500	<2.4	<2.8	<3.2	<13	<18	<18	<40	---	---	---	---
VP-4-9	04/27/2009	9.5	<8,600	<2.4	<2.8	<3.3	<13	<18	<18	<41	---	---	---	---
Outdoor Ambient	05/29/2003		<19,000	16	16	<3.1	<9.2	---	---	---	---	---	---	---
Outdoor Ambient	01/05/2009		<8,700	2.5	5.4	<3.3	<13	<18	<18	<41	---	---	---	---
Outdoor Ambient	03/12/2009		<8,900	<2.5	<2.9	<3.4	<13	<18	<18	<42	---	---	---	---
Outdoor Ambient	04/27/2009		<8,700	<2.4	<2.9	<3.3	<13	<18	<18	<41	---	---	---	---
SVP-1	11/21/2008		<230	---	---	---	---	---	---	---	---	---	---	---
SVP-1-DUP	11/21/2008		460	---	---	---	---	---	---	---	---	---	---	---
SVP-1	01/05/2009		<9,300	<2.6	<3.1	<3.5	<14	<19	<19	<44	---	---	---	---
SVP-1	03/12/2009		<8,500	<2.4	<2.8	<3.2	<13	<18	<18	<40	---	---	---	---
SVP-1-DUP	03/12/2009		<11,000	<3.0	<3.5	<4.0	<16	<22	<22	<50	---	---	---	---
SVP-1	04/27/2009		<8,400	<2.3	<2.8	<3.2	<13	<17	<17	<40	---	---	---	---
SVP-2	11/21/2008		360	---	---	---	---	---	---	---	---	---	---	---
SVP-2	01/05/2009		13,000	<2.6	4.4	<3.6	<14	1,800	51	90	---	---	---	---
SVP-2	03/13/2009		<10,000	<2.9	<3.4	<3.9	<16	<21	<21	<48	---	---	---	---
SVP-2	04/27/2009		<9,200	<2.6	<3.0	<3.5	<14	25	<19	<44	---	---	---	---
SVP-3	11/21/2008		<230	---	---	---	---	---	---	---	---	---	---	---
SVP-3	01/05/2009		<8,100	<2.4	<2.9	<3.3	<13	<18	130	<41	---	---	---	---
SVP-3-DUP	01/05/2009		<10,000	<3.2	<3.8	<4.4	<17	<24	150	<54	---	---	---	---
SVP-3	03/12/2009		<9,200	<2.6	<3.0	<3.5	<14	<19	<19	<43	---	---	---	---
SVP-3	04/27/2009		<9,900	<11	<13	<15	<60	<82	<82	<190	---	---	---	---
SVP-3-DUP	04/27/2009		<8,300	<9.3	<11	<13	<50	<69	<69	<160	---	---	---	---
Indoor Ambient Air	11/21/2008		510	---	---	---	---	---	---	---	---	---	---	---

**HISTORICAL SOIL VAPOR ANALYTICAL DATA
FORMER SHELL SERVICE STATION
461 8TH STREET, OAKLAND, CALIFORNIA**

Sample ID	Date	Depth (fbg)	TPHg (µg/m ³)	B (µg/m ³)	T (µg/m ³)	E (µg/m ³)	X (µg/m ³)	Isobutane (µg/m ³)	Butane (µg/m ³)	Propane (µg/m ³)	Methane (%v)	Carbon Dioxide (%v)	Oxygen + Argon (%v)	Helium (%v)
Indoor Ambient Air DUP	11/22/2008		510	---	---	---	---	---	---	---	---	---	---	---
Indoor Ambient Air	12/08/2008		<9,900	<2.7	4.2	<3.7	<15	<20	<20	<47	---	---	---	---
Indoor Ambient Air	01/05/2009		<9,300	<2.6	4.9	<3.5	<14	<19	<19	<44	---	---	---	---
Indoor Ambient Air	03/12/2009		<8,500	<2.4	3.2	<3.2	<13	28	<18	<40	---	---	---	---
Indoor Ambient Air	04/27/2009		<7,900	3.2	12	<3.0	<12	62	63	<37	---	---	---	---
VP-5	12/01/2011	5	<3,800	<16 e	<19 e	57 e	54 e	---	---	---	<0.500	7.46	16.2	<0.0100
VP-5	12/01/2011	10	<3,800	<16 e	<19 e	28 e	<43 e	---	---	---	<0.500	19.9	5.06	<0.0100
VP-6	01/05/2012	5	<3,800	<16 e	<19 e	88 e	120 e	---	---	---	<0.500	3.51	19.0	0.276
VP-6	01/05/2012	10	<3,800	<16 e	<19 e	48 e	55 e	---	---	---	<0.500	14.2	9.40	0.792
VP-7	12/01/2011	5	<3,800	<16 e	<19 e	29 e	<43 e	---	---	---	<0.500	10.3	13.6	<0.0100
VP-7	12/01/2011	10	<3,800	<16 e	<19 e	55 e	54 e	---	---	---	<0.500	20.8	4.42	<0.0100
VP-8	12/01/2011	5	<3,800	<16 e	<19 e	32 e	<43 e	---	---	---	<0.500	1.80	21.2	<0.0100
VP-8	12/01/2011	10	<3,800	<16 e	<19 e	31 e	<43 e	---	---	---	<0.500	5.98	17.1	<0.0100
VP-9	12/01/2011	5	<3,800	<16 e	<19 e	<22 e	<43 e	---	---	---	<0.500	8.19	15.9	0.0221
VP-9	12/01/2011	10	<3,800	<16 e	<19 e	<22 e	<43 e	---	---	---	<0.500	17.1	9.78	<0.0100
VP-10	12/01/2011	5	<3,800	<16 e	<19 e	57 e	58 e	---	---	---	<0.500	3.66	19.1	<0.0100
VP-10	12/01/2011	10	<3,800	<16 e	<19 e	<22 e	<43 e	---	---	---	<0.500	6.63	16.3	<0.0100
VP-11	12/01/2011	5	<3,800	<16 e	<19 e	<22 e	<43 e	---	---	---	<0.500	1.72	21.4	<0.0100
VP-11	12/01/2011	10	<3,800	<16 e	<19 e	30 e	<43 e	---	---	---	<0.500	3.53	19.7	<0.0100
VP-12	12/01/2011	5	<3,800	<16 e	<19 e	<22 e	<43 e	---	---	---	<0.500	5.00	18.2	<0.0100
VP-12	12/01/2011	10	<3,800	<16 e	<19 e	35 e	<43 e	---	---	---	<0.500	12.9	9.62	<0.0100
Commercial/Industrial Land Use ESL^f:			2,500,000	420	1,300,000	4,900	440,000	NA	NA	NA	NA	NA	NA	NA
Residential Land Use ESL^f:			300,000	42	160,000	490	52,000	NA	NA	NA	NA	NA	NA	NA

Notes:

TPHg = Total petroleum hydrocarbons as gasoline analyzed by Modified EPA Method TO-3 GC/FID or EPA Method TO-3M.

BTEX = Benzene, toluene, ethylbenzene, and total xylenes analyzed by Modified EPA Method TO-15 or EPA Method TO-15 unless otherwise noted

Isobutane, butane, and propane analyzed by EPA Method TO-15.

Methane, carbon dioxide, and oxygen + argon analyzed by ASTM D-1946

fbg = Feet below grade

HISTORICAL SOIL VAPOR ANALYTICAL DATA
 FORMER SHELL SERVICE STATION
 461 8TH STREET, OAKLAND, CALIFORNIA

Sample ID	Date	Depth (fbg)	TPHg (µg/m3)	B (µg/m3)	T (µg/m3)	E (µg/m3)	X (µg/m3)	Isobutane (µg/m3)	Butane (µg/m3)	Propane (µg/m3)	Methane (%v)	Carbon Dioxide (%v)	Oxygen + Argon (%v)	Helium (%v)
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µg/m3 = Micrograms per cubic meter

%v = Percentage by volume

<x = Not detected at reporting limit x

--- = Not analyzed

VP = Vapor probe

SVP = Sub slab vapor probe

ESL = Environmental screening level

NA = No applicable ESL

Results in **bold** exceed ESL.

Shading indicates that the soil vapor probe location was subsequently excavated; results are likely not representative of current soil vapor conditions.

a = Sample collected after 1 purge volume; BTEX analyzed by EPA Method 8260B

b = Sample collected after 3 purge volumes; BTEX analyzed by EPA Method 8260B

c = Sample collected after 7 purge volumes; BTEX analyzed by EPA Method 8260B

d = VP-1 destroyed

e = BTEX analyzed by Modified EPA Method 8260B

f = San Francisco Bay Regional Water Quality Control Board (RWQCB) ESLs for shallow soil gas (Table E of User's Guide: Derivation and Application of Environmental Screening Levels, RWQCB, Interim Final - 2013)

TABLE 2

**HISTORICAL SOIL ANALYTICAL DATA
FORMER SHELL SERVICE STATION
461 8TH STREET, OAKLAND, CALIFORNIA**

<i>Sample ID</i>	<i>Date</i>	<i>Depth (fbg)</i>	<i>TPHd (mg/kg)</i>	<i>TPHg (mg/kg)</i>	<i>B (mg/kg)</i>	<i>T (mg/kg)</i>	<i>E (mg/kg)</i>	<i>X (mg/kg)</i>	<i>MTBE (mg/kg)</i>	<i>TBA (mg/kg)</i>	<i>DIPE (mg/kg)</i>	<i>ETBE (mg/kg)</i>	<i>TAME (mg/kg)</i>	<i>1,2-DCA (mg/kg)</i>	<i>EDB (mg/kg)</i>
B1-5.0	07/06/1994	5	28 a	<1	<0.0025	<0.0025	<0.0025	<0.0025	---	---	---	---	---	---	---
B1-10.0	07/06/1994	10	<2	<1	<0.0025	<0.0025	<0.0025	<0.0025	---	---	---	---	---	---	---
B2-5.0	07/06/1994	5	<2	<1	<0.0025	<0.0025	<0.0025	<0.0025	---	---	---	---	---	---	---
B2-15.0	07/06/1994	15	<2	<1	<0.0025	<0.0025	<0.0025	<0.0025	---	---	---	---	---	---	---
B2-20.0	07/06/1994	20	<2	<1	<0.0025	0.0028	<0.0025	0.003	---	---	---	---	---	---	---
B3-10.0	07/06/1994	10	50 a	<1	<0.0025	<0.0025	<0.0025	<0.0025	---	---	---	---	---	---	---
B3-15.0	07/06/1994	15	4.1	<1	<0.0025	<0.0025	<0.0025	0.025	---	---	---	---	---	---	---
B4-5.0	07/06/1994	5	<2	<1	<0.0025	<0.0025	<0.0025	<0.0025	---	---	---	---	---	---	---
B4-10.0	07/06/1994	10	13 b	15	<0.0025	0.037	0.027	0.21	---	---	---	---	---	---	---
B5-5.0	07/07/1994	5	<2	<1	<0.0025	<0.0025	<0.0025	<0.0025	---	---	---	---	---	---	---
B5-9.75	07/07/1994	9.75	<2	<1	<0.0025	<0.0025	<0.0025	<0.0025	---	---	---	---	---	---	---
B6-5.0	07/07/1994	5	<2	<1	<0.0025	<0.0025	<0.0025	<0.0025	---	---	---	---	---	---	---
B6-18.5	07/07/1994	18.5	<2	<1	<0.0025	<0.0025	<0.0025	<0.0025	---	---	---	---	---	---	---
B7-5.0	07/07/1994	5	31 a	<1	<0.0025	<0.0025	<0.0025	<0.0025	---	---	---	---	---	---	---
B7-10.0	07/07/1994	10	410 b	14	0.24	0.89	0.31	2.0	---	---	---	---	---	---	---
B8-5.0	07/07/1994	5	<2	<1	<0.0025	<0.0025	<0.0025	<0.0025	---	---	---	---	---	---	---
B8-9.0	07/07/1994	9	<4	<1	<0.0025	<0.0025	<0.0025	<0.0025	---	---	---	---	---	---	---
B9-5.0	07/07/1994	5	<1	<1	<0.0025	<0.0025	<0.0025	<0.0025	---	---	---	---	---	---	---
B9-14.5	07/07/1994	14.5	<2	<1	<0.0025	<0.0025	<0.0025	<0.0025	---	---	---	---	---	---	---
S-8-6.5	12/07/1994	6.5	---	<1	<0.0025	<0.0025	<0.0025	<0.0025	---	---	---	---	---	---	---

TABLE 2

**HISTORICAL SOIL ANALYTICAL DATA
FORMER SHELL SERVICE STATION
461 8TH STREET, OAKLAND, CALIFORNIA**

<i>Sample ID</i>	<i>Date</i>	<i>Depth (fbg)</i>	<i>TPHd (mg/kg)</i>	<i>TPHg (mg/kg)</i>	<i>B (mg/kg)</i>	<i>T (mg/kg)</i>	<i>E (mg/kg)</i>	<i>X (mg/kg)</i>	<i>MTBE (mg/kg)</i>	<i>TBA (mg/kg)</i>	<i>DIPE (mg/kg)</i>	<i>ETBE (mg/kg)</i>	<i>TAME (mg/kg)</i>	<i>1,2-DCA (mg/kg)</i>	<i>EDB (mg/kg)</i>
S-8-11.5	12/07/1994	11.5	---	<1	<0.0025	<0.0025	<0.0025	<0.0025	---	---	---	---	---	---	---
S-8-21.5	12/07/1994	21.5	---	<1	0.014	<0.0025	<0.0025	<0.0025	---	---	---	---	---	---	---
S-9-6.5	12/07/1994	6.5	---	<1	<0.0025	<0.0025	<0.0025	<0.0025	---	---	---	---	---	---	---
S-9-11.5	12/07/1994	11.5	---	<1	<0.0025	<0.0025	<0.0025	<0.0025	---	---	---	---	---	---	---
S-9-21.5	12/07/1994	21.5	---	<1	<0.0025	<0.0025	<0.0025	<0.0025	---	---	---	---	---	---	---
S-10-6.5	12/07/1994	6.5	---	<1	<0.0025	<0.0025	<0.0025	<0.0025	---	---	---	---	---	---	---
S-10-11.5	12/07/1994	11.5	---	760	0.0032	0.028	6.4	6.9	---	---	---	---	---	---	---
S-10-16.5	12/07/1994	16.5	---	<1	<0.0025	<0.0025	<0.0025	<0.0025	---	---	---	---	---	---	---
S-10-21.5	12/07/1994	21.5	---	<1	<0.0025	<0.0025	<0.0025	<0.0025	---	---	---	---	---	---	---
HA-1-10.0	10/14/2003	10.0	---	< 1.0 d	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---	---	---
HA-1-16.5	10/14/2003	16.5	---	< 1.0 d	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---	---	---
TR-1-0.5	05/20/2005	0.5	---	<0.98	---	---	---	---	---	---	---	---	---	---	---
TR-1-5.0	05/20/2005	5	---	<1.1	---	---	---	---	---	---	---	---	---	---	---
TR-1-8.0	05/20/2005	8	---	<1.1	---	---	---	---	---	---	---	---	---	---	---
TR-2-0.5	05/20/2005	0.5	---	<1.0	---	---	---	---	---	---	---	---	---	---	---
TR-2-5.0	05/20/2005	5	---	<0.97	---	---	---	---	---	---	---	---	---	---	---
TR-2-8.0	05/20/2005	8	---	<1.1	---	---	---	---	---	---	---	---	---	---	---
TR-3-0.5	05/20/2005	0.5	---	<0.93	---	---	---	---	---	---	---	---	---	---	---
TR-3-5.0	05/20/2005	5	---	<1.0	---	---	---	---	---	---	---	---	---	---	---
TR-4-0.5	05/20/2005	0.5	---	<1.0	---	---	---	---	---	---	---	---	---	---	---
TR-4-5.0	05/20/2005	5	---	<1.0	---	---	---	---	---	---	---	---	---	---	---

TABLE 2

**HISTORICAL SOIL ANALYTICAL DATA
FORMER SHELL SERVICE STATION
461 8TH STREET, OAKLAND, CALIFORNIA**

<i>Sample ID</i>	<i>Date</i>	<i>Depth (fbg)</i>	<i>TPHd (mg/kg)</i>	<i>TPHg (mg/kg)</i>	<i>B (mg/kg)</i>	<i>T (mg/kg)</i>	<i>E (mg/kg)</i>	<i>X (mg/kg)</i>	<i>MTBE (mg/kg)</i>	<i>TBA (mg/kg)</i>	<i>DIPE (mg/kg)</i>	<i>ETBE (mg/kg)</i>	<i>TAME (mg/kg)</i>	<i>1,2-DCA (mg/kg)</i>	<i>EDB (mg/kg)</i>
B-10-5	12/13/2006	5	---	<1.0	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.050	<0.010	<0.0050	<0.0050	<0.0050	<0.0050
B-10-10	12/13/2006	10	---	<1.0	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.050	<0.010	<0.0050	<0.0050	<0.0050	<0.0050
B-10-15	12/13/2006	15	---	<1.0	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.050	<0.010	<0.0050	<0.0050	<0.0050	<0.0050
B-10-20	12/13/2006	20	---	<1.0	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.050	<0.010	<0.0050	<0.0050	<0.0050	<0.0050
B-10-25	12/13/2006	25	---	7,800	49	290	160	800	<0.50	<5.0	<2.0	<2.0	<2.0	<0.50	<0.50
B-11-5	12/13/2006	5	---	<1.0	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.050	<0.010	<0.0050	<0.0050	<0.0050	<0.0050
B-11-10	12/13/2006	10	---	<1.0	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.050	<0.010	<0.0050	<0.0050	<0.0050	<0.0050
B-11-15	12/13/2006	15	---	<1.0	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.050	<0.010	<0.0050	<0.0050	<0.0050	<0.0050
B-11-20	12/13/2006	20	---	<1.0	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.050	<0.010	<0.0050	<0.0050	<0.0050	<0.0050
B-11-25	12/13/2006	25	---	3,500	30	200	97	510	<0.50	<5.0	<2.0	<2.0	<2.0	<0.50	<0.50
B-12-5	12/11/2006	5	---	<1.0	0.028	0.018	<0.0050	<0.010	<0.0050	<0.050	<0.010	<0.0050	<0.0050	<0.0050	<0.0050
B-12-10	12/11/2006	10	---	2,300	0.54	7.5	<0.50	180	<0.50	<5.0	<2.0	<2.0	<2.0	<0.50	<0.50
B-12-15	12/11/2006	15	---	1,700	2.9	35	22	190	<0.50	<5.0	<2.0	<2.0	<2.0	<0.50	<0.50
B-12-20	12/11/2006	20	---	5,900	30	250	100	570	<0.50	<5.0	<2.0	<2.0	<2.0	<0.50	<0.50
B-12-25	12/11/2006	25	---	750	0.70	8.3	13	73	<0.12	<1.2	<0.50	<0.50	<0.50	<0.12	<0.12
B-13-5	12/11/2006	5	---	<1.0	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.050	<0.010	<0.0050	<0.0050	<0.0050	<0.0050
B-13-10	12/11/2006	10	---	<1.0	0.022	<0.0050	<0.0050	<0.010	<0.0050	<0.050	<0.010	<0.0050	<0.0050	<0.0050	<0.0050
B-13-15	12/11/2006	15	---	<1.0	0.028	<0.0050	<0.0050	<0.010	<0.0050	0.053	<0.010	<0.0050	<0.0050	<0.0050	<0.0050
B-13-20	12/11/2006	20	---	4.5	0.12	0.18	0.070	0.54	<0.0050	0.083	<0.010	<0.0050	<0.0050	<0.0050	<0.0050
B-13-25	12/11/2006	25	---	1,400	1.2	19	17	97	<0.12	<1.2	<0.50	<0.50	<0.50	<0.12	<0.12
B-14-5	12/11/2006	5	---	<1.0	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.050	<0.010	<0.0050	<0.0050	<0.0050	<0.0050
B-14-10	12/11/2006	10	---	<2.0	<0.010	<0.010	<0.010	<0.020	<0.010	<0.10	<0.020	<0.010	<0.010	<0.010	<0.010
B-14-15	12/11/2006	15	---	<1.0	0.039	<0.0050	<0.0050	<0.010	<0.0050	0.050	<0.010	<0.0050	<0.0050	<0.0050	<0.0050
B-14-20	12/11/2006	20	---	<2.0	0.019	<0.010	<0.010	<0.020	<0.010	<0.10	<0.020	<0.010	<0.010	<0.010	<0.010
B-14-25	12/11/2006	25	---	<2.0	0.017	<0.010	0.016	0.023	<0.010	<0.10	<0.020	<0.010	<0.010	<0.010	<0.010

TABLE 2

**HISTORICAL SOIL ANALYTICAL DATA
FORMER SHELL SERVICE STATION
461 8TH STREET, OAKLAND, CALIFORNIA**

<i>Sample ID</i>	<i>Date</i>	<i>Depth (fbg)</i>	<i>TPHd (mg/kg)</i>	<i>TPHg (mg/kg)</i>	<i>B (mg/kg)</i>	<i>T (mg/kg)</i>	<i>E (mg/kg)</i>	<i>X (mg/kg)</i>	<i>MTBE (mg/kg)</i>	<i>TBA (mg/kg)</i>	<i>DIPE (mg/kg)</i>	<i>ETBE (mg/kg)</i>	<i>TAME (mg/kg)</i>	<i>1,2-DCA (mg/kg)</i>	<i>EDB (mg/kg)</i>
B-15-5	12/12/2006	5	---	<1.0	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.050	<0.010	<0.0050	<0.0050	<0.0050	<0.0050
B-15-10	12/12/2006	10	---	<1.0	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.050	<0.010	<0.0050	<0.0050	<0.0050	<0.0050
B-15-15	12/12/2006	15	---	<1.0	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.050	<0.010	<0.0050	<0.0050	<0.0050	<0.0050
B-15-20	12/12/2006	20	---	<1.0	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.050	<0.010	<0.0050	<0.0050	<0.0050	<0.0050
B-15-25	12/12/2006	25	---	<1.0	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.050	<0.010	<0.0050	<0.0050	<0.0050	<0.0050
B-16-5	12/12/2006	5	---	<1.0	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.050	<0.010	<0.0050	<0.0050	<0.0050	<0.0050
B-16-10	12/12/2006	10	---	<1.0	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.050	<0.010	<0.0050	<0.0050	<0.0050	<0.0050
B-16-15	12/12/2006	15	---	<1.0	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.050	<0.010	<0.0050	<0.0050	<0.0050	<0.0050
B-16-20	12/12/2006	20	---	1.6	0.054	0.11	0.043	0.26	<0.0050	<0.050	<0.010	<0.0050	<0.0050	<0.0050	<0.0050
B-16-25	12/12/2006	25	---	2.5	0.19	0.17	0.12	0.54	<0.0050	<0.050	<0.010	<0.0050	<0.0050	<0.0050	<0.0050
B-17-5	12/12/2006	5	---	<1.0	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.050	<0.010	<0.0050	<0.0050	<0.0050	<0.0050
B-17-10	12/12/2006	10	---	<1.0	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.050	<0.010	<0.0050	<0.0050	<0.0050	<0.0050
B-17-15	12/12/2006	15	---	<1.0	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.050	<0.010	<0.0050	<0.0050	<0.0050	<0.0050
B-17-20	12/12/2006	20	---	<1.0	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.050	<0.010	<0.0050	<0.0050	<0.0050	<0.0050
B-17-25	12/12/2006	25	---	<1.0	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.050	<0.010	<0.0050	<0.0050	<0.0050	<0.0050
B-18-5	12/12/2006	5	---	<1.0	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.050	<0.010	<0.0050	<0.0050	<0.0050	<0.0050
B-18-10	12/12/2006	10	---	<1.0	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.050	<0.010	<0.0050	<0.0050	<0.0050	<0.0050
B-18-15	12/12/2006	15	---	<1.0	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.050	<0.010	<0.0050	<0.0050	<0.0050	<0.0050
B-18-20	12/12/2006	20	---	<1.0	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.050	<0.010	<0.0050	<0.0050	<0.0050	<0.0050
B-18-25	12/12/2006	25	---	<1.0	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.050	<0.010	<0.0050	<0.0050	<0.0050	<0.0050
B-19-5	12/12/2006	5	---	<1.0	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.050	<0.010	<0.0050	<0.0050	<0.0050	<0.0050
B-19-10	12/12/2006	10	---	<1.0	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.050	<0.010	<0.0050	<0.0050	<0.0050	<0.0050
B-19-15	12/12/2006	15	---	<1.0	0.028	<0.0050	<0.0050	<0.010	<0.0050	<0.050	<0.010	<0.0050	<0.0050	<0.0050	<0.0050
B-19-20	12/12/2006	20	---	<1.0	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.050	<0.010	<0.0050	<0.0050	<0.0050	<0.0050

TABLE 2

**HISTORICAL SOIL ANALYTICAL DATA
FORMER SHELL SERVICE STATION
461 8TH STREET, OAKLAND, CALIFORNIA**

<i>Sample ID</i>	<i>Date</i>	<i>Depth (fbg)</i>	<i>TPHd (mg/kg)</i>	<i>TPHg (mg/kg)</i>	<i>B (mg/kg)</i>	<i>T (mg/kg)</i>	<i>E (mg/kg)</i>	<i>X (mg/kg)</i>	<i>MTBE (mg/kg)</i>	<i>TBA (mg/kg)</i>	<i>DIPE (mg/kg)</i>	<i>ETBE (mg/kg)</i>	<i>TAME (mg/kg)</i>	<i>1,2-DCA (mg/kg)</i>	<i>EDB (mg/kg)</i>
B-19-25	12/12/2006	25	---	<1.0	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.050	<0.010	<0.0050	<0.0050	<0.0050	<0.0050
B-20-5	12/11/2006	5	---	<1.0	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.050	<0.010	<0.0050	<0.0050	<0.0050	<0.0050
B-20-10	12/11/2006	10	---	<1.0	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.050	<0.010	<0.0050	<0.0050	<0.0050	<0.0050
B-20-15	12/11/2006	15	---	<1.0	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.050	<0.010	<0.0050	<0.0050	<0.0050	<0.0050
B-20-20	12/11/2006	20	---	<1.0	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.050	<0.010	<0.0050	<0.0050	<0.0050	<0.0050
B-20-25	12/11/2006	25	---	<1.0	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.050	<0.010	<0.0050	<0.0050	<0.0050	<0.0050
B-21-5	12/11/2006	5	---	<1.0	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.050	<0.010	<0.0050	<0.0050	<0.0050	<0.0050
B-21-10	12/11/2006	10	---	<1.0	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.050	<0.010	<0.0050	<0.0050	<0.0050	<0.0050
B-21-15	12/11/2006	15	---	<1.0	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.050	<0.010	<0.0050	<0.0050	<0.0050	<0.0050
B-21-20	12/11/2006	20	---	<1.0	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.050	<0.010	<0.0050	<0.0050	<0.0050	<0.0050
B-21-24	12/11/2006	24	---	<1.0	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.050	<0.010	<0.0050	<0.0050	<0.0050	<0.0050
B-21-28	12/11/2006	28	---	<1.0	<0.0050	0.0087	0.011	0.060	<0.0050	<0.050	<0.010	<0.0050	<0.0050	<0.0050	<0.0050
B-22-5	12/13/2006	5	---	<1.0	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.050	<0.010	<0.0050	<0.0050	<0.0050	<0.0050
B-22-10	12/13/2006	10	---	<1.0	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.050	<0.010	<0.0050	<0.0050	<0.0050	<0.0050
B-22-15	12/13/2006	15	---	<1.0	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.050	<0.010	<0.0050	<0.0050	<0.0050	<0.0050
B-22-20	12/13/2006	20	---	1,800	0.81	10	26	180	<0.50	<5.0	<2.0	<2.0	<2.0	<0.50	<0.50
B-22-25	12/13/2006	25	---	3,000	14	140	85	470	<0.50	<5.0	<2.0	<2.0	<2.0	<0.50	<0.50
B-23-5	12/12/2006	5	---	<1.0	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.050	<0.010	<0.0050	<0.0050	<0.0050	<0.0050
B-23-10	12/12/2006	10	---	<1.0	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.050	<0.010	<0.0050	<0.0050	<0.0050	<0.0050
B-23-15	12/12/2006	15	---	<1.0	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.050	<0.010	<0.0050	<0.0050	<0.0050	<0.0050
B-23-20	12/12/2006	20	---	1.7	<0.0050	0.0053	0.010	0.075	<0.0050	<0.050	<0.010	<0.0050	<0.0050	<0.0050	<0.0050
B-23-25	12/12/2006	25	---	4,900	7.0	78	60	450	<0.25	<2.5	<1.0	<1.0	<1.0	<0.25	<0.25
B-24-5	11/30/2007	5	---	<0.50	<0.0050	<0.0050	<0.0050	<0.0100	---	---	---	---	---	---	---
B-24-11.5	11/30/2007	11.5	---	0.51	0.043	0.021	0.0094	0.116	---	---	---	---	---	---	---

TABLE 2

**HISTORICAL SOIL ANALYTICAL DATA
FORMER SHELL SERVICE STATION
461 8TH STREET, OAKLAND, CALIFORNIA**

<i>Sample ID</i>	<i>Date</i>	<i>Depth (fbg)</i>	<i>TPHd (mg/kg)</i>	<i>TPHg (mg/kg)</i>	<i>B (mg/kg)</i>	<i>T (mg/kg)</i>	<i>E (mg/kg)</i>	<i>X (mg/kg)</i>	<i>MTBE (mg/kg)</i>	<i>TBA (mg/kg)</i>	<i>DIPE (mg/kg)</i>	<i>ETBE (mg/kg)</i>	<i>TAME (mg/kg)</i>	<i>1,2-DCA (mg/kg)</i>	<i>EDB (mg/kg)</i>
B-24-15	11/30/2007	15	---	<0.50	0.020	0.0064	<0.0050	0.0140	---	---	---	---	---	---	---
B-24-20	11/30/2007	20	---	1.3	0.036	0.049	0.016	0.102	---	---	---	---	---	---	---
B-24-25	11/30/2007	25	---	12	<0.0050	0.039	0.040	0.308	---	---	---	---	---	---	---
B-24-30	11/30/2007	30	---	3,000	2.2	23	26	140	---	---	---	---	---	---	---
B-24-32	11/30/2007	32	---	220	<0.12	0.73	1.3	6.14	---	---	---	---	---	---	---
B-25-5	12/03/2007	5	---	0.76 e	<0.0050	0.31	0.011	0.070	---	---	---	---	---	---	---
B-25-10	12/03/2007	10	---	<0.50	<0.0050	<0.0050	<0.0050	<0.0100	---	---	---	---	---	---	---
B-26-5	11/30/2007	5	---	<0.50	<0.0050	<0.0050	<0.0050	<0.0100	---	---	---	---	---	---	---
B-26-10	11/30/2007	10	---	<0.50	<0.0050	<0.0050	<0.0050	<0.0100	---	---	---	---	---	---	---
B-26-15	11/30/2007	15	---	<0.50	<0.0050	<0.0050	<0.0050	<0.0100	---	---	---	---	---	---	---
B-27-5	12/03/2007	5	---	<0.50	<0.0050	0.015	<0.0050	<0.0100	---	---	---	---	---	---	---
B-27-10	12/03/2007	10	---	<0.50	<0.0050	<0.0050	<0.0050	<0.0100	---	---	---	---	---	---	---
S-12-5.5	12/13/2007	5.5	---	<0.50	<0.0050	<0.0050	<0.0050	<0.0100	---	---	---	---	---	---	---
S-12-9.5	12/13/2007	9.5	---	<0.50	<0.0050	<0.0050	<0.0050	<0.0100	---	---	---	---	---	---	---
S-12-14.5	12/13/2007	14.5	---	<0.50	<0.0050	<0.0050	<0.0050	<0.0100	---	---	---	---	---	---	---
S-12-19.5	12/13/2007	19.5	---	<0.50	<0.0050	<0.0050	<0.0050	<0.0100	---	---	---	---	---	---	---
S-12-24.5	12/13/2007	24.5	---	<0.50	<0.0050	<0.0050	<0.0050	<0.0100	---	---	---	---	---	---	---
S-12-29.5	12/13/2007	29.5	---	<0.50	<0.0050	<0.0050	<0.0050	<0.0100	---	---	---	---	---	---	---
S-12-34.5	12/13/2007	34.5	---	<0.50	<0.0050	<0.0050	<0.0050	<0.0100	---	---	---	---	---	---	---
S-13-5.5	12/12/2007	5.5	---	<0.50	<0.0050	<0.0050	<0.0050	<0.0100	---	---	---	---	---	---	---
S-13-10	12/12/2007	10	---	<0.50	<0.0050	<0.0050	<0.0050	<0.0100	---	---	---	---	---	---	---
S-13-15	12/12/2007	15	---	<0.50	<0.0050	<0.0050	<0.0050	<0.0100	---	---	---	---	---	---	---
S-13-20.5	12/12/2007	20.5	---	340	<0.0050	0.48	1.1	8.7	---	---	---	---	---	---	---
S-13-25	12/12/2007	25	---	62	0.017	0.053	0.030	0.146	---	---	---	---	---	---	---

TABLE 2

**HISTORICAL SOIL ANALYTICAL DATA
FORMER SHELL SERVICE STATION
461 8TH STREET, OAKLAND, CALIFORNIA**

<i>Sample ID</i>	<i>Date</i>	<i>Depth (fbg)</i>	<i>TPHd (mg/kg)</i>	<i>TPHg (mg/kg)</i>	<i>B (mg/kg)</i>	<i>T (mg/kg)</i>	<i>E (mg/kg)</i>	<i>X (mg/kg)</i>	<i>MTBE (mg/kg)</i>	<i>TBA (mg/kg)</i>	<i>DIPE (mg/kg)</i>	<i>ETBE (mg/kg)</i>	<i>TAME (mg/kg)</i>	<i>1,2-DCA (mg/kg)</i>	<i>EDB (mg/kg)</i>
S-13-31	12/12/2007	31	---	<0.50	<0.0050	<0.0050	<0.0050	<0.0100	---	---	---	---	---	---	---
S-13-35	12/12/2007	35	---	1.2	<0.0050	0.0069	<0.0050	0.0077	---	---	---	---	---	---	---
S-14-5	12/12/2007	5	---	<0.50	<0.0050	<0.0050	<0.0050	<0.0100	---	---	---	---	---	---	---
S-14-10	12/12/2007	10	---	<0.50	<0.0050	<0.0050	<0.0050	<0.0100	---	---	---	---	---	---	---
S-14-15.5	12/12/2007	15.5	---	<0.50	0.014	<0.0050	<0.0050	<0.0100	---	---	---	---	---	---	---
S-14-20	12/12/2007	20	---	3,100	6.7	42	66	308	---	---	---	---	---	---	---
S-14-25.5	12/12/2007	25.5	---	2.9	0.0050	0.0074	0.037	0.091	---	---	---	---	---	---	---
S-14-30	12/12/2007	30	---	<0.50	<0.0050	<0.0050	<0.0050	<0.0100	---	---	---	---	---	---	---
S-14-35	12/12/2007	35	---	<0.50	<0.0050	<0.0050	<0.0050	<0.0100	---	---	---	---	---	---	---
S-15-4.5*	12/11/2007	4.5	---	6.5	<0.0050	0.0058	<0.0050	0.044	---	---	---	---	---	---	---
S-15-9.5	12/11/2007	9.5	---	5,000	93	350	100	660	---	---	---	---	---	---	---
S-15-14.5	12/11/2007	14.5	---	1,900	34	290	72	460	---	---	---	---	---	---	---
S-15-19.5	12/11/2007	19.5	---	220	4.0	19	5.8	33.8	---	---	---	---	---	---	---
S-15-24.5	12/11/2007	24.5	---	66	0.020	0.054	0.027	0.163	---	---	---	---	---	---	---
S-15-29.5	12/11/2007	29.5	---	1.6	<0.0050	0.0062	<0.0050	<0.0100	---	---	---	---	---	---	---
S-15-34.5	12/11/2007	34.5	---	1.6	<0.0050	0.0062	<0.0050	0.0078	---	---	---	---	---	---	---
S-16-4.5*	12/11/2007	4.5	---	<0.50	<0.0050	<0.0050	<0.0050	<0.0100	---	---	---	---	---	---	---
S-16-9.5	12/11/2007	9.5	---	<0.50	0.048	0.013	<0.0050	0.0171	---	---	---	---	---	---	---
S-16-14.5	12/11/2007	14.5	---	1.6	0.31	0.25	0.039	0.233	---	---	---	---	---	---	---
S-16-19.5	12/11/2007	19.5	---	230	0.042	0.21	0.18	1.28	---	---	---	---	---	---	---
S-16-24.5	12/11/2007	24.5	---	0.59	<0.0050	0.017	0.014	0.083	---	---	---	---	---	---	---
S-16-29.5	12/11/2007	29.5	---	<0.50	<0.0050	<0.0050	<0.0050	<0.0100	---	---	---	---	---	---	---
S-16-34.5	12/11/2007	34.5	---	<0.50	<0.0050	<0.0050	<0.0050	<0.0100	---	---	---	---	---	---	---
AS-1-5.5	12/13/2007	5.5	---	<0.50	<0.0050	<0.0050	<0.0050	<0.0100	---	---	---	---	---	---	---
AS-1-9.5	12/13/2007	9.5	---	1,800	<0.0050	0.59	0.88	29	---	---	---	---	---	---	---

TABLE 2

**HISTORICAL SOIL ANALYTICAL DATA
FORMER SHELL SERVICE STATION
461 8TH STREET, OAKLAND, CALIFORNIA**

<i>Sample ID</i>	<i>Date</i>	<i>Depth (fbg)</i>	<i>TPHd (mg/kg)</i>	<i>TPHg (mg/kg)</i>	<i>B (mg/kg)</i>	<i>T (mg/kg)</i>	<i>E (mg/kg)</i>	<i>X (mg/kg)</i>	<i>MTBE (mg/kg)</i>	<i>TBA (mg/kg)</i>	<i>DIPE (mg/kg)</i>	<i>ETBE (mg/kg)</i>	<i>TAME (mg/kg)</i>	<i>1,2-DCA (mg/kg)</i>	<i>EDB (mg/kg)</i>
AS-1-14.5	12/13/2007	14.5	---	150	<0.12	0.27	0.29	1.93	---	---	---	---	---	---	---
AS-1-19.5	12/13/2007	19.5	---	3,400	38	210	110	610	---	---	---	---	---	---	---
AS-1-25.5	12/13/2007	25.5	---	91	0.26	0.99	1.1	5.1	---	---	---	---	---	---	---
AS-1-30	12/13/2007	30	---	<0.50	<0.0050	<0.0050	<0.0050	<0.0100	---	---	---	---	---	---	---
AS-1-34.5	12/13/2007	34.5	---	7.6	0.099	0.16	0.058	0.220	---	---	---	---	---	---	---
S-17-6	05/30/2008	6	---	<0.50	<0.0050	<0.0050	<0.0050	<0.010	---	---	---	---	---	---	---
S-17-11	05/30/2008	11	---	<0.50	<0.0050	<0.0050	<0.0050	<0.010	---	---	---	---	---	---	---
S-17-16	05/30/2008	16	---	<0.50	<0.0050	<0.0050	<0.0050	<0.010	---	---	---	---	---	---	---
S-17-21	05/30/2008	21	---	0.63	<0.0050	0.008	0.0086	0.043	---	---	---	---	---	---	---
S-17-26	05/30/2008	26	---	3,000	3.7	40	40	193	---	---	---	---	---	---	---
S-17-31	05/30/2008	31	---	<0.50	<0.0050	<0.0050	<0.0050	<0.010	---	---	---	---	---	---	---
S-17-34.5	05/30/2008	34.5	---	210	0.83	6.3	3.1	17.5	---	---	---	---	---	---	---
S-18-6	05/30/2008	6	---	<0.50	<0.0050	<0.0050	<0.0050	<0.010	---	---	---	---	---	---	---
S-18-11	05/30/2008	11	---	<0.50	<0.0050	<0.0050	<0.0050	<0.010	---	---	---	---	---	---	---
S-18-15.5	05/30/2008	15.5	---	<0.50	<0.0050	<0.0050	<0.0050	<0.010	---	---	---	---	---	---	---
S-18-21	05/30/2008	21	---	5,200	5.3	96	120	630	---	---	---	---	---	---	---
S-18-26	05/30/2008	26	---	1.3	0.021	0.080	0.026	0.158	---	---	---	---	---	---	---
S-18-31	05/30/2008	31	---	<0.50	<0.0050	0.0055	0.0234	<0.010	---	---	---	---	---	---	---
S-18-34.5	05/30/2008	34.5	---	<0.50	<0.0050	<0.0050	<0.0050	<0.010	---	---	---	---	---	---	---
OW-1-6.5	05/30/2008	6.5	---	<0.50	<0.0050	<0.0050	<0.0050	<0.010	---	---	---	---	---	---	---
OW-1-11	05/30/2008	11	---	<0.50	<0.0050	<0.0050	<0.0050	<0.010	---	---	---	---	---	---	---
OW-1-16	05/30/2008	16	---	<0.50	<0.0050	<0.0050	<0.0050	<0.010	---	---	---	---	---	---	---
OW-1-19.5	05/30/2008	19.5	---	<0.50	<0.0050	<0.0050	<0.0050	<0.010	---	---	---	---	---	---	---
EB-1	06/11/2008	23	---	190	<0.12	<0.12	<0.12	1.17	---	---	---	---	---	---	---
EB-2	06/11/2008	23	---	2,500	5.0	48	41	220	---	---	---	---	---	---	---

TABLE 2

**HISTORICAL SOIL ANALYTICAL DATA
FORMER SHELL SERVICE STATION
461 8TH STREET, OAKLAND, CALIFORNIA**

<i>Sample ID</i>	<i>Date</i>	<i>Depth (fbg)</i>	<i>TPHd (mg/kg)</i>	<i>TPHg (mg/kg)</i>	<i>B (mg/kg)</i>	<i>T (mg/kg)</i>	<i>E (mg/kg)</i>	<i>X (mg/kg)</i>	<i>MTBE (mg/kg)</i>	<i>TBA (mg/kg)</i>	<i>DIPE (mg/kg)</i>	<i>ETBE (mg/kg)</i>	<i>TAME (mg/kg)</i>	<i>1,2-DCA (mg/kg)</i>	<i>EDB (mg/kg)</i>
EB-3	06/11/2008	23	---	13	0.42	2.5	0.33	2.26	---	---	---	---	---	---	---
EB-4	06/11/2008	23	---	2,900	11	170	69	430	---	---	---	---	---	---	---
EB-5	06/11/2008	23	---	2,100	7.4	98	47	298	---	---	---	---	---	---	---
EB-6	06/11/2008	23	---	3,300	4.7	62	56	339	---	---	---	---	---	---	---
EB-7	06/11/2008	23	---	100	0.90	2.6	1.2	7.7	---	---	---	---	---	---	---
EB-8	06/11/2008	23	---	3,300	22	230	63	470	---	---	---	---	---	---	---
EB-9	06/11/2008	23	---	3,900	16	230	85	540	---	---	---	---	---	---	---
EB-10	06/11/2008	23	---	3,600	6.3	120	74	470	---	---	---	---	---	---	---
B-28-5.5	09/26/2008	5.5	---	<0.50	<0.0050	<0.0050	<0.0050	<0.010	---	---	---	---	---	---	---
B-28-10.5	09/26/2008	10.5	---	<0.50	<0.0050	<0.0050	<0.0050	<0.010	---	---	---	---	---	---	---
B-28-15.5	09/26/2008	15.5	---	<0.50	0.0059	<0.0050	<0.0050	<0.010	---	---	---	---	---	---	---
B-28-20.5	09/26/2008	20.5	---	<0.50	0.0051	0.0054	<0.0050	0.013	---	---	---	---	---	---	---
B-28-25.5	09/26/2008	25.5	---	1,500	<2.5	7.0	17	72	---	---	---	---	---	---	---
B-28-30.5	09/26/2008	30.5	---	62	<0.50	<0.50	<0.50	2.6	---	---	---	---	---	---	---
B-28-35.5	09/26/2008	35.5	---	<50	<0.50	0.51	<0.50	1.4	---	---	---	---	---	---	---
B-28-40.5	09/26/2008	40.5	---	<0.50	<0.0050	0.013	0.0074	0.044	---	---	---	---	---	---	---
B-28-45.5	09/26/2008	45.5	---	<0.50	<0.0050	<0.0050	<0.0050	<0.010	---	---	---	---	---	---	---
B-29-5.5	09/26/2008	5.5	---	<0.50	<0.0050	<0.0050	<0.0050	<0.010	---	---	---	---	---	---	---
B-29-10.5	09/26/2008	10.5	---	<0.50	<0.0050	<0.0050	<0.0050	<0.010	---	---	---	---	---	---	---
B-29-15.5	09/26/2008	15.5	---	<0.50	<0.0050	<0.0050	<0.0050	<0.010	---	---	---	---	---	---	---
B-29-20.5	09/26/2008	20.5	---	<0.50	<0.0050	0.0055	<0.0050	0.020	---	---	---	---	---	---	---
B-29-25.5	09/26/2008	25.5	---	5,800	14	260	82	600	---	---	---	---	---	---	---
B-29-30.5	09/26/2008	30.5	---	0.69	0.0063	0.033	0.0087	0.058	---	---	---	---	---	---	---
B-29-35.5	09/26/2008	35.5	---	<0.50	<0.0050	0.0089	<0.0050	0.030	---	---	---	---	---	---	---
B-29-40.5	09/26/2008	40.5	---	<0.50	<0.0050	0.031	0.011	0.073	---	---	---	---	---	---	---
B-29-45.5	09/26/2008	45.5	---	<0.50	<0.0050	0.0064	<0.0050	0.020	---	---	---	---	---	---	---

TABLE 2

**HISTORICAL SOIL ANALYTICAL DATA
FORMER SHELL SERVICE STATION
461 8TH STREET, OAKLAND, CALIFORNIA**

<i>Sample ID</i>	<i>Date</i>	<i>Depth (fbg)</i>	<i>TPHd (mg/kg)</i>	<i>TPHg (mg/kg)</i>	<i>B (mg/kg)</i>	<i>T (mg/kg)</i>	<i>E (mg/kg)</i>	<i>X (mg/kg)</i>	<i>MTBE (mg/kg)</i>	<i>TBA (mg/kg)</i>	<i>DIPE (mg/kg)</i>	<i>ETBE (mg/kg)</i>	<i>TAME (mg/kg)</i>	<i>1,2-DCA (mg/kg)</i>	<i>EDB (mg/kg)</i>
S-14R-5.5	09/23/2008	5.5	---	<0.50	<0.0050	<0.0050	<0.0050	<0.010	---	---	---	---	---	---	---
S-14R-10.5	09/23/2008	10.5	---	<0.50	<0.0050	<0.0050	<0.0050	<0.010	---	---	---	---	---	---	---
S-14R-15.5	09/23/2008	15.5	---	<0.50	<0.0050	<0.0050	<0.0050	<0.010	---	---	---	---	---	---	---
S-14R-20.5	09/23/2008	20.5	---	99	<0.50	<0.50	0.66	2.8	---	---	---	---	---	---	---
S-14R-25.5	09/23/2008	25.5	---	<0.50	<0.0050	<0.0050	<0.0050	0.023	---	---	---	---	---	---	---
S-14R-30.5	09/23/2008	30.5	---	<0.50	<0.0050	<0.0050	<0.0050	<0.010	---	---	---	---	---	---	---
S-14R-34.5	09/23/2008	34.5	---	56	<0.50	0.73	0.60	3.2	---	---	---	---	---	---	---
S-19-5.5	09/22/2008	5.5	---	<0.50	<0.0050	<0.0050	<0.0050	<0.010	---	---	---	---	---	---	---
S-19-10.5	09/22/2008	10.5	---	<0.50	<0.0050	<0.0050	<0.0050	<0.010	---	---	---	---	---	---	---
S-19-15.5	09/22/2008	15.5	---	<0.50	<0.0050	<0.0050	<0.0050	<0.010	---	---	---	---	---	---	---
S-19-20.5	09/22/2008	20.5	---	<0.50	0.019	<0.0050	<0.0050	0.0064	---	---	---	---	---	---	---
S-19-25.5	09/22/2008	25.5	---	<0.50	0.0086	0.028	0.014	0.073	---	---	---	---	---	---	---
S-19-30.5	09/22/2008	30.5	---	<0.50	<0.0050	<0.0050	<0.0050	<0.010	---	---	---	---	---	---	---
S-19-35.5	09/22/2008	35.5	---	<0.50	<0.0050	<0.0050	<0.0050	0.0054	---	---	---	---	---	---	---
S-19-40.5	09/22/2008	40.5	---	<0.50	<0.0050	<0.0050	<0.0050	<0.010	---	---	---	---	---	---	---
S-19-45.5	09/22/2008	45.5	---	<0.50	<0.0050	<0.0050	<0.0050	<0.010	---	---	---	---	---	---	---
S-20-5.5	09/22/2008	5.5	---	<0.50	<0.0050	<0.0050	<0.0050	<0.010	---	---	---	---	---	---	---
S-20-10.5	09/22/2008	10.5	---	<0.50	<0.0050	<0.0050	<0.0050	<0.010	---	---	---	---	---	---	---
S-20-15.5	09/22/2008	15.5	---	<0.50	<0.0050	<0.0050	<0.0050	<0.010	---	---	---	---	---	---	---
S-20-20.5	09/22/2008	20.5	---	28 f	0.0088	0.018	0.15	0.66 f	---	---	---	---	---	---	---
S-20-25.5	09/22/2008	25.5	---	0.58	0.012	0.023	0.015	0.073	---	---	---	---	---	---	---
S-20-30.5	09/22/2008	30.5	---	58	<0.50	<0.50	<0.50	1.4	---	---	---	---	---	---	---
S-20-35.5	09/22/2008	35.5	---	<0.50	<0.0050	<0.0050	<0.0050	<0.010	---	---	---	---	---	---	---
S-20-40.5	09/22/2008	40.5	---	<0.50	<0.0050	<0.0050	<0.0050	<0.010	---	---	---	---	---	---	---
S-20-45.5	09/22/2008	45.5	---	<0.50	<0.0050	0.0067	<0.0050	0.012	---	---	---	---	---	---	---
S-21A-5.5	09/25/2008	5.5	---	<0.50	<0.0050	<0.0050	<0.0050	<0.010	---	---	---	---	---	---	---

TABLE 2

**HISTORICAL SOIL ANALYTICAL DATA
FORMER SHELL SERVICE STATION
461 8TH STREET, OAKLAND, CALIFORNIA**

<i>Sample ID</i>	<i>Date</i>	<i>Depth (fbg)</i>	<i>TPHd (mg/kg)</i>	<i>TPHg (mg/kg)</i>	<i>B (mg/kg)</i>	<i>T (mg/kg)</i>	<i>E (mg/kg)</i>	<i>X (mg/kg)</i>	<i>MTBE (mg/kg)</i>	<i>TBA (mg/kg)</i>	<i>DIPE (mg/kg)</i>	<i>ETBE (mg/kg)</i>	<i>TAME (mg/kg)</i>	<i>1,2-DCA (mg/kg)</i>	<i>EDB (mg/kg)</i>
S-21A-10.5	09/25/2008	10.5	---	<0.50	<0.0050	<0.0050	<0.0050	<0.010	---	---	---	---	---	---	---
S-21A-15.5	09/25/2008	15.5	---	<0.50	<0.0050	<0.0050	<0.0050	0.041	---	---	---	---	---	---	---
S-21A-20.5	09/25/2008	20.5	---	3,000	12	140	61	360	---	---	---	---	---	---	---
S-21A-26.5	09/25/2008	26.5	---	3,500	4.8	29	38	170	---	---	---	---	---	---	---
S-21B-5.5	09/23/2008	5.5	---	<0.50	<0.0050	<0.0050	<0.0050	<0.010	---	---	---	---	---	---	---
S-21B-15.5	09/23/2008	15.5	---	1.9	0.028	0.11	0.030	0.38	---	---	---	---	---	---	---
S-21B-20.5	09/23/2008	20.5	---	2,300	<5.0	88	52	360	---	---	---	---	---	---	---
S-21B-25.5	09/23/2008	25.5	---	7,100	37	250	130	760	---	---	---	---	---	---	---
S-21B-30.5	09/23/2008	30.5	---	0.51	<0.0050	<0.0050	<0.0050	0.028	---	---	---	---	---	---	---
S-21B-35.5	09/23/2008	35.5	---	<0.50	<0.0050	<0.0050	<0.0050	<0.010	---	---	---	---	---	---	---
S-21B-40.5	09/23/2008	40.5	---	<0.50	<0.0050	0.012	<0.0050	0.028	---	---	---	---	---	---	---
S-21B-45.5	09/23/2008	45.5	---	<0.50	<0.0050	0.013	0.0063	0.039	---	---	---	---	---	---	---
S-22A-5.5	09/25/2008	5.5	---	<0.50	<0.0050	<0.0050	<0.0050	<0.010	---	---	---	---	---	---	---
S-22A-10.5	09/25/2008	10.5	---	<0.50	<0.0050	<0.0050	<0.0050	<0.010	---	---	---	---	---	---	---
S-22A-15.5	09/25/2008	15.5	---	3.5	<0.0050	<0.0050	<0.0050	0.013	---	---	---	---	---	---	---
S-22A-20.5	09/25/2008	20.5	---	<0.50	<0.0050	<0.0050	<0.0050	<0.010	---	---	---	---	---	---	---
S-22A-26.5	09/25/2008	26.5	---	3,900	11	70	55	310	---	---	---	---	---	---	---
S-22B-5.5	09/22/2008	5.5	---	<0.50	<0.0050	<0.0050	<0.0050	<0.010	---	---	---	---	---	---	---
S-22B-10.5	09/22/2008	10.5	---	<0.50	<0.0050	<0.0050	<0.0050	<0.010	---	---	---	---	---	---	---
S-22B-15.5	09/22/2008	15.5	---	1.9	<0.0050	<0.0050	<0.0050	<0.010	---	---	---	---	---	---	---
S-22B-20.5	09/22/2008	20.5	---	<0.50	<0.0050	<0.0050	<0.0050	<0.010	---	---	---	---	---	---	---
S-22B-25.5	09/22/2008	25.5	---	1,200	2.6	13	17	81	---	---	---	---	---	---	---
S-22B-30.5	09/22/2008	30.5	---	<0.50	<0.0050	<0.0050	<0.0050	0.0063	---	---	---	---	---	---	---
S-22B-35.5	09/22/2008	35.5	---	56	<0.50	0.83	0.69	3.7	---	---	---	---	---	---	---
S-22B-40.5	09/22/2008	40.5	---	14 f	0.012	<0.0050	<0.0050	0.29 f	---	---	---	---	---	---	---
S-22B-45.5	09/22/2008	45.5	---	<0.50	<0.0050	<0.0050	<0.0050	0.0079	---	---	---	---	---	---	---

**HISTORICAL SOIL ANALYTICAL DATA
FORMER SHELL SERVICE STATION
461 8TH STREET, OAKLAND, CALIFORNIA**

<i>Sample ID</i>	<i>Date</i>	<i>Depth (fbg)</i>	<i>TPHd (mg/kg)</i>	<i>TPHg (mg/kg)</i>	<i>B (mg/kg)</i>	<i>T (mg/kg)</i>	<i>E (mg/kg)</i>	<i>X (mg/kg)</i>	<i>MTBE (mg/kg)</i>	<i>TBA (mg/kg)</i>	<i>DIPE (mg/kg)</i>	<i>ETBE (mg/kg)</i>	<i>TAME (mg/kg)</i>	<i>1,2-DCA (mg/kg)</i>	<i>EDB (mg/kg)</i>
S-23-5.5	09/24/2008	5.5	---	<0.50	<0.0050	<0.0050	<0.0050	<0.010	---	---	---	---	---	---	---
S-23-10.5	09/24/2008	10.5	---	1.3	<0.0050	<0.0050	<0.0050	<0.010	---	---	---	---	---	---	---
S-23-15.5	09/24/2008	15.5	---	<0.50	0.0078	<0.0050	<0.0050	0.0082	---	---	---	---	---	---	---
S-23-20.5	09/24/2008	20.5	---	3,700	17	170	86	480	---	---	---	---	---	---	---
S-23-25.5	09/24/2008	25.5	---	1,600	1.5	15	16	87	---	---	---	---	---	---	---
S-23-30.5	09/24/2008	30.5	---	<0.50	<0.0050	<0.0050	<0.0050	0.0072	---	---	---	---	---	---	---
S-23-34.5	09/24/2008	34.5	---	68	<0.0050	<0.0050	<0.0050	0.014	---	---	---	---	---	---	---
<i>Shallow Soil (≤10 fbg) ESL[§]:</i>			110	500	1.2	9.3	4.7	11	8.4	110	NA	NA	NA	0.91	0.51
<i>Deep Soil (>10 fbg) ESL[§]:</i>			110	1,000	1.2	9.3	4.7	11	8.4	110	NA	NA	NA	0.91	0.51

Notes:

fbg = Feet below grade

mg/kg = Milligrams per kilogram

TPHd = Total petroleum hydrocarbons as diesel analyzed by EPA Method 8015

TPHg = Total petroleum hydrocarbons as gasoline analyzed by EPA Method 8260B; before 12/11/06, analyzed by EPA Method 8015 unless otherwise r

BTEX = Benzene, toluene, ethylbenzene, and total xylenes analyzed by EPA Method 8260B; before 10/14/2003, analyzed by EPA Method 8020

MTBE = Methyl tertiary-butyl ether analyzed by EPA Method 8260B

TBA = Tertiary-butyl alcohol analyzed by EPA Method 8260B

DIPE = Di-isopropyl ether analyzed by EPA Method 8260B

ETBE = Ethyl tertiary-butyl ether analyzed by EPA Method 8260B

TAME = Tertiary-amyl methyl ether analyzed by EPA Method 8260B

1,2-DCA = 1,2-Dichloroethane analyzed by EPA Method 8260B

EDB = 1,2-Dibromoethane analyzed by EPA Method 8260B

<x = Not detected at reporting limit x

--- = Not analyzed

ESL = Environmental screening level

* = Sample may have contained backfilled soil from air-knife clearance activities.

**HISTORICAL SOIL ANALYTICAL DATA
FORMER SHELL SERVICE STATION
461 8TH STREET, OAKLAND, CALIFORNIA**

<i>Sample ID</i>	<i>Date</i>	<i>Depth</i>	<i>TPHd</i>	<i>TPHg</i>	<i>B</i>	<i>T</i>	<i>E</i>	<i>X</i>	<i>MTBE</i>	<i>TBA</i>	<i>DIPE</i>	<i>ETBE</i>	<i>TAME</i>	<i>1,2-DCA</i>	<i>EDB</i>
		<i>(fbg)</i>	<i>(mg/kg)</i>	<i>(mg/kg)</i>	<i>(mg/kg)</i>	<i>(mg/kg)</i>	<i>(mg/kg)</i>	<i>(mg/kg)</i>	<i>(mg/kg)</i>	<i>(mg/kg)</i>	<i>(mg/kg)</i>	<i>(mg/kg)</i>	<i>(mg/kg)</i>	<i>(mg/kg)</i>	<i>(mg/kg)</i>

NA = No applicable ESL

Results in **bold** equal or exceed applicable ESL

Shading indicates that soil sample location was subsequently excavated; results are not representative of residual soil.

a = Positive result appears to be a heavier hydrocarbon than diesel

b = Positive result appears to be a lighter hydrocarbon than diesel

c = Analyzed by EPA Method 7421

d = Analyzed by EPA Method 8260B

e = The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based on the specified standard.

f = Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.

g = San Francisco Bay Regional Water Quality Control Board (RWQCB) commercial/industrial ESL for soil where groundwater is not a source of drinking water (Tables B and D of *User's Guide: Derivation and Application of Environmental Screening Levels*, RWQCB, Interim Final - 2013).

TABLE 3

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
461 8TH STREET, OAKLAND, CALIFORNIA

Well ID	Date	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260 (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	EDC (µg/L)	EDB (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	SPH Thickness (ft)	GW Elevation (ft MSL)	DO (mg/L)	ORP (mV)
S-4	10/26/1988	130	3.8	13	4.0	30	---	---	---	---	---	---	---	---	93.51	---	---	---	---	---
S-4	02/14/1989	<50	0.50	<1.0	<1.0	3.0	---	---	---	---	---	---	---	---	93.51	12.82	---	80.69	---	---
S-4	05/01/1989	Well dry	---	---	---	---	---	---	---	---	---	---	---	---	93.51	16.48	---	77.03	---	---
S-4	07/27/1989	Well dry	---	---	---	---	---	---	---	---	---	---	---	---	93.51	15.84	---	77.67	---	---
S-4	10/05/1989	Well dry	---	---	---	---	---	---	---	---	---	---	---	---	93.51	15.98	---	77.53	---	---
S-4	01/09/1990	Well dry	---	---	---	---	---	---	---	---	---	---	---	---	93.51	15.86	---	77.65	---	---
S-4	04/30/1990	<50	<0.50	<0.50	<0.50	<1.0	---	---	---	---	---	---	---	---	93.51	14.48	---	79.03	---	---
S-4	07/31/1990	Well dry	---	---	---	---	---	---	---	---	---	---	---	---	93.51	---	---	---	---	---
S-4	10/30/1990	Well dry	---	---	---	---	---	---	---	---	---	---	---	---	93.51	---	---	---	---	---
S-4	05/06/1991	Well dry	---	---	---	---	---	---	---	---	---	---	---	---	93.51	15.23	---	78.28	---	---
S-4	06/27/1991	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---	---	---	93.51	13.54	---	79.97	---	---
S-4	09/24/1991	Well dry	---	---	---	---	---	---	---	---	---	---	---	---	93.51	15.85	---	77.66	---	---
S-4	11/07/1991	Well dry	---	---	---	---	---	---	---	---	---	---	---	---	93.51	15.60	---	77.91	---	---
S-4	02/13/1992	<50	<0.50	<0.50	<0.50	3.0	---	---	---	---	---	---	---	---	93.51	14.27	---	79.24	---	---
S-4	05/11/1992	Well dry	---	---	---	---	---	---	---	---	---	---	---	---	93.51	---	---	---	---	---
S-4	12/03/1992	Well inaccessible	---	---	---	---	---	---	---	---	---	---	---	---	93.51	---	---	---	---	---
S-4	05/13/1993	Well inaccessible	---	---	---	---	---	---	---	---	---	---	---	---	93.51	14.81	---	78.70	---	---
S-4	07/22/1993	Well inaccessible	---	---	---	---	---	---	---	---	---	---	---	---	93.51	14.42	---	79.09	---	---
S-4	10/20/1993	Well inaccessible	---	---	---	---	---	---	---	---	---	---	---	---	93.51	---	---	---	---	---
S-4	01/25/1994	Well inaccessible	---	---	---	---	---	---	---	---	---	---	---	---	93.51	14.60	---	78.91	---	---
S-4	04/25/1994	Well inaccessible	---	---	---	---	---	---	---	---	---	---	---	---	93.51	14.39	---	79.12	---	---
S-4	07/21/1994	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---	---	---	93.51	22.29	---	71.22	---	---
S-4	10/24/1994	<500	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---	---	---	93.51	22.72	---	70.79	---	---
S-4	12/22/1994	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---	---	---	25.77	22.25	---	3.52	---	---
S-4	04/20/1995	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---	---	---	25.77	21.16	---	4.61	---	---
S-4	10/04/1995	<50	1.2	0.70	<0.50	<0.50	---	---	---	---	---	---	---	---	25.77	22.25	---	3.52	---	---
S-4	01/03/1996	<50	0.60	<0.50	<0.50	1.7	---	---	---	---	---	---	---	---	25.77	23.28	---	2.49	---	---
S-4	04/11/1996	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---	---	---	---	25.77	21.58	---	4.19	---	---
S-4	07/11/1996	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---	---	---	---	25.77	21.60	---	4.17	---	---
S-4	10/02/1996	<50	<0.50	<0.50	<0.50	<0.50	2.6	---	---	---	---	---	---	---	25.77	22.46	---	3.31	---	---
S-4	01/22/1997	<50	0.73	<0.50	<0.50	0.63	<2.5	---	---	---	---	---	---	---	25.77	20.06	---	5.71	---	---
S-4	07/21/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---	---	---	---	25.77	22.10	---	3.67	---	---
S-4	01/22/1998	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---	---	---	---	25.77	20.50	---	5.27	---	---
S-4	07/08/1998	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---	---	---	---	25.77	20.86	---	4.91	---	---
S-4	10/26/1998	---	---	---	---	---	---	---	---	---	---	---	---	---	25.77	21.41	---	4.36	---	---
S-4	01/28/1999	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---	---	---	---	25.77	22.34	---	3.43	---	---
S-4	04/23/1999	---	---	---	---	---	---	---	---	---	---	---	---	---	25.77	21.43	---	4.34	---	---
S-4	07/29/1999	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	---	---	---	---	---	---	---	25.77	21.45	---	4.32	---	---
S-4	11/01/1999	---	---	---	---	---	---	---	---	---	---	---	---	---	25.77	22.08	---	3.69	---	---
S-4	01/07/2000	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---	---	---	---	25.77	22.29	---	3.48	---	---
S-4	04/11/2000	---	---	---	---	---	---	---	---	---	---	---	---	---	25.77	21.11	---	4.66	---	---
S-4	07/19/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	---	---	---	---	---	---	---	25.77	21.19	---	4.58	---	---

TABLE 3

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
461 8TH STREET, OAKLAND, CALIFORNIA

Well ID	Date	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260 (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	EDC (µg/L)	EDB (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	SPH Thickness (ft)	GW Elevation (ft MSL)	DO (mg/L)	ORP (mV)
S-4	10/12/2000	---	---	---	---	---	---	---	---	---	---	---	---	---	25.77	22.22	---	3.55	---	---
S-4	01/09/2001	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	---	---	---	---	---	---	---	25.77	22.17	---	3.60	---	---
S-4	04/06/2001	---	---	---	---	---	---	---	---	---	---	---	---	---	25.77	21.50	---	4.27	---	---
S-4	07/25/2001	<50	2.0	0.52	<0.50	1.0	---	<5.0	---	---	---	---	---	---	25.77	21.50	---	4.27	---	---
S-4	11/01/2001	---	---	---	---	---	---	---	---	---	---	---	---	---	25.77	21.95	---	3.82	---	---
S-4	01/17/2002	<50 d	<0.50 d	<0.50 d	<0.50 d	<0.50 d	---	<5.0 d	---	---	---	---	---	---	25.77	21.13	---	4.64	---	---
S-4	05/08/2002	---	---	---	---	---	---	---	---	---	---	---	---	---	25.77	21.35	---	4.42	---	---
S-4	07/18/2002	<50	<0.50	<0.50	<0.50	<0.50	---	<5.0	---	---	---	---	---	---	34.41	21.19	---	13.22	---	---
S-4	10/15/2002	---	---	---	---	---	---	---	---	---	---	---	---	---	34.41	21.42	---	12.99	---	---
S-4	01/02/2003	<50	<0.50	<0.50	<0.50	<0.50	---	<5.0	---	---	---	---	---	---	34.41	20.75	---	13.66	---	---
S-4	04/15/2003	---	---	---	---	---	---	---	---	---	---	---	---	---	34.41	21.08	---	13.33	---	---
S-4	07/14/2003	---	---	---	---	---	---	---	---	---	---	---	---	---	34.41	19.93	---	14.48	---	---
S-4	10/20/2003	---	---	---	---	---	---	---	---	---	---	---	---	---	34.41	19.56	---	14.85	---	---
S-4	01/22/2004	<50	<0.50	<0.50	<0.50	<1.0	---	<0.50	---	---	---	---	---	---	34.41	19.12	---	15.29	---	---
S-4	04/19/2004	---	---	---	---	---	---	---	---	---	---	---	---	---	34.41	19.15	---	15.26	---	---
S-4	07/13/2004	---	---	---	---	---	---	---	---	---	---	---	---	---	34.41	20.48	---	13.93	---	---
S-4	10/28/2004	---	---	---	---	---	---	---	---	---	---	---	---	---	34.41	21.00	---	13.41	---	---
S-4	01/17/2005	<50	<0.50	<0.50	<0.50	<1.0	---	<0.50	---	---	---	---	---	---	34.41	20.17	---	14.24	---	---
S-4	04/14/2005	---	---	---	---	---	---	---	---	---	---	---	---	---	34.41	19.82	---	14.59	---	---
S-4	07/28/2005	---	---	---	---	---	---	---	---	---	---	---	---	---	34.41	20.71	---	13.70	---	---
S-4	10/05/2005	---	---	---	---	---	---	---	---	---	---	---	---	---	34.41	20.85	---	13.56	---	---
S-4	02/09/2006	<50.0	<0.500	<0.500	<0.500	<0.500	---	<0.500	---	---	---	---	---	---	34.41	19.47	---	14.94	---	---
S-4	05/15/2006	---	---	---	---	---	---	---	---	---	---	---	---	---	34.41	19.52	---	14.89	---	---
S-4	08/23/2006	---	---	---	---	---	---	---	---	---	---	---	---	---	34.41	20.75	---	13.66	---	---
S-4	11/15/2006	---	---	---	---	---	---	---	---	---	---	---	---	---	34.41	20.03	---	14.38	---	---
S-4	01/30/2007	<50	<0.50	<0.50	<0.50	<1.0	---	<0.50	---	---	---	---	---	---	34.41	21.30	---	13.11	---	---
S-4	05/29/2007	---	---	---	---	---	---	---	---	---	---	---	---	---	34.41	21.15	---	13.26	---	---
S-4	08/15/2007	---	---	---	---	---	---	---	---	---	---	---	---	---	34.41	21.38	---	13.03	---	---
S-4	11/28/2007	---	---	---	---	---	---	---	---	---	---	---	---	---	34.41	21.55	---	12.86	---	---
S-4	02/08/2008	64 f	<0.50	<1.0	<1.0	<1.0	---	<1.0	---	---	---	---	<0.50	<1.0	34.41	22.75	---	11.66	---	---
S-4	05/08/2008	---	---	---	---	---	---	---	---	---	---	---	---	---	34.41	22.18	---	12.23	---	---
S-4	08/14/2008	---	---	---	---	---	---	---	---	---	---	---	---	---	34.41	21.77	---	12.64	---	---
S-4	11/11/2008	---	---	---	---	---	---	---	---	---	---	---	---	---	34.41	20.68	---	13.73	---	---
S-4	01/05/2009	250	1.8	<1.0	<1.0	<1.0	---	<1.0	---	---	---	---	<0.50	<1.0	34.41	20.92	---	13.49	---	---
S-4	04/09/2009	---	---	---	---	---	---	---	---	---	---	---	---	---	34.41	21.10	---	13.31	---	---
S-4	07/23/2009	---	---	---	---	---	---	---	---	---	---	---	---	---	34.41	21.76	---	12.65	---	---
S-4	10/01/2009	---	---	---	---	---	---	---	---	---	---	---	---	---	34.41	22.10	---	12.31	---	---
S-4	01/28/2010	<50	<0.50	<1.0	<1.0	<1.0	---	---	---	---	---	---	---	---	34.41	21.75	---	12.66	---	---
S-4	05/20/2010	---	---	---	---	---	---	---	---	---	---	---	---	---	34.41	21.44	---	12.97	---	---
S-4	08/31/2010	---	---	---	---	---	---	---	---	---	---	---	---	---	34.41	21.72	---	12.69	---	---
S-4	12/29/2010	---	---	---	---	---	---	---	---	---	---	---	---	---	34.41	20.91	---	13.50	---	---
S-4	02/01/2011	<50	<0.50	<0.50	<0.50	1.1	---	---	---	---	---	---	---	---	34.41	21.19	---	13.22	1.84	157

TABLE 3

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
461 8TH STREET, OAKLAND, CALIFORNIA

Well ID	Date	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260 (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	EDC (µg/L)	EDB (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	SPH Thickness (ft)	GW Elevation (ft MSL)	DO (mg/L)	ORP (mV)
S-4	04/25/2011	---	---	---	---	---	---	---	---	---	---	---	---	---	34.41	17.32	---	17.09	---	---
S-4	07/28/2011	---	---	---	---	---	---	---	---	---	---	---	---	---	34.41	20.92	---	13.49	---	---
S-4	10/28/2011	---	---	---	---	---	---	---	---	---	---	---	---	---	34.41	21.35	---	13.06	---	---
S-4	05/07/2012	240	86	22	9.5	25	---	---	---	---	---	---	---	34.41	20.65	---	13.76	2.52	119	
S-4	05/02/2013	55	<0.50	<0.50	<0.50	<1.0	---	---	---	---	---	---	---	---	34.41	21.45	---	12.96	---	---
S-4	04/21/2014	380	88	58	14	42	---	---	---	---	---	---	---	---	34.41	21.70	---	12.71	---	---
S-5	04/16/1987	130,000	15,000	16,000	a	14,000	---	---	---	---	---	---	---	---	99.36	---	---	---	---	---
S-5	10/26/1988	110,000	20,000	25,000	2,300	10,000	---	---	---	---	---	---	---	---	99.36	---	---	---	---	---
S-5	02/14/1989	94,000	16,000	21,000	1,800	10,000	---	---	---	---	---	---	---	---	99.36	19.87	---	79.49	---	---
S-5	05/01/1989	120,000	29,000	35,000	3,100	15,000	---	---	---	---	---	---	---	---	99.36	21.23	---	78.13	---	---
S-5	07/27/1989	110,000	20,000	29,000	2,400	14,000	---	---	---	---	---	---	---	---	99.36	20.41	---	78.95	---	---
S-5	10/05/1989	---	---	---	---	---	---	---	---	---	---	---	---	---	99.36	20.43	0.01	78.94	---	---
S-5	01/09/1990	---	---	---	---	---	---	---	---	---	---	---	---	---	99.36	21.16	0.01	78.21	---	---
S-5	04/30/1990	100,000	13,000	22,000	2,100	11,000	---	---	---	---	---	---	---	---	99.36	20.96	---	78.40	---	---
S-5	07/31/1990	53,000	8,300	14,000	1,200	7,400	---	---	---	---	---	---	---	---	99.36	20.88	---	78.48	---	---
S-5	10/30/1990	---	---	---	---	---	---	---	---	---	---	---	---	---	99.36	21.96	0.03	77.42	---	---
S-5	05/06/1991	---	---	---	---	---	---	---	---	---	---	---	---	---	99.36	23.00	0.13	76.46	---	---
S-5	06/27/1991	---	---	---	---	---	---	---	---	---	---	---	---	---	99.36	20.53	0.03	78.85	---	---
S-5	09/24/1991	---	---	---	---	---	---	---	---	---	---	---	---	---	99.36	21.40	0.06	78.01	---	---
S-5	11/07/1991	---	---	---	---	---	---	---	---	---	---	---	---	---	99.36	21.33	0.25	78.23	---	---
S-5	02/13/1992	---	---	---	---	---	---	---	---	---	---	---	---	---	99.36	22.52	0.31	77.09	---	---
S-5	05/11/1992	---	---	---	---	---	---	---	---	---	---	---	---	---	99.36	22.46	0.58	77.36	---	---
S-5	12/03/1992	Well inaccessible				---	---	---	---	---	---	---	---	---	99.36	---	---	---	---	---
S-5	05/13/1993	---	---	---	---	---	---	---	---	---	---	---	---	---	99.36	22.22	0.27	77.36	---	---
S-5	07/22/1993	---	---	---	---	---	---	---	---	---	---	---	---	---	99.36	21.68	0.25	77.88	---	---
S-5	10/20/1993	---	---	---	---	---	---	---	---	---	---	---	---	---	99.36	20.51	0.23	79.03	---	---
S-5	01/25/1994	---	---	---	---	---	---	---	---	---	---	---	---	---	99.36	21.93	0.18	77.57	---	---
S-5	04/25/1994	---	---	---	---	---	---	---	---	---	---	---	---	---	99.36	21.97	0.35	77.67	---	---
S-5	05/26/1994	---	---	---	---	---	---	---	---	---	---	---	---	---	99.36	20.84	0.35	78.80	---	---
S-5	06/10/1994	---	---	---	---	---	---	---	---	---	---	---	---	---	99.36	21.01	0.32	78.61	---	---
S-5	07/21/1994	---	---	---	---	---	---	---	---	---	---	---	---	---	99.36	22.18	0.47	77.56	---	---
S-5	08/25/1994	---	---	---	---	---	---	---	---	---	---	---	---	---	99.36	22.01	0.44	77.70	---	---
S-5	09/22/1994	---	---	---	---	---	---	---	---	---	---	---	---	---	99.36	22.00	0.15	77.48	---	---
S-5	10/24/1994	---	---	---	---	---	---	---	---	---	---	---	---	---	99.36	22.28	0.56	77.53	---	---
S-5	12/22/1994	---	---	---	---	---	---	---	---	---	---	---	---	---	22.94	22.88	0.99	0.85	---	---
S-5	04/20/1995	---	---	---	---	---	---	---	---	---	---	---	---	---	22.94	21.66	0.33	1.54	---	---
S-5	10/04/1995	---	---	---	---	---	---	---	---	---	---	---	---	---	22.94	22.18	---	0.76	---	---
S-5	01/03/1996	---	---	---	---	---	---	---	---	---	---	---	---	---	22.94	22.80	0.83	0.80	---	---
S-5	04/11/1996	---	---	---	---	---	---	---	---	---	---	---	---	---	22.94	21.15	0.67	2.33	---	---
S-5	07/11/1996	---	---	---	---	---	---	---	---	---	---	---	---	---	22.94	22.62	0.90	1.04	---	---
S-5	10/02/1996	---	---	---	---	---	---	---	---	---	---	---	---	---	22.94	23.07	0.64	0.38	---	---

TABLE 3

**GROUNDWATER DATA
FORMER SHELL SERVICE STATION
461 8TH STREET, OAKLAND, CALIFORNIA**

Well ID	Date	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260 (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	EDC (µg/L)	EDB (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	SPH Thickness (ft)	GW Elevation (ft MSL)	DO (mg/L)	ORP (mV)
S-5	01/22/1997	---	---	---	---	---	---	---	---	---	---	---	---	---	22.94	20.83	0.16	2.24	---	---
S-5	07/21/1997	---	---	---	---	---	---	---	---	---	---	---	---	---	22.94	21.16	0.05	1.82	---	---
S-5	01/22/1998	---	---	---	---	---	---	---	---	---	---	---	---	---	22.94	20.04	0.04	2.93	---	---
S-5	07/08/1998	220	14	40	5.8	34	3.3	---	---	---	---	---	---	22.94	18.61	---	4.33	---	---	
S-5	10/26/1998	---	---	---	---	---	---	---	---	---	---	---	---	---	22.94	17.31	---	5.63	---	---
S-5	01/28/1999	51,000	13,000	1,200	1,200	2,400	2,400	---	---	---	---	---	---	---	22.94	20.11	---	2.83	---	---
S-5	04/23/1999	65,600	2,540	7,300	1,790	9,840	<1,000	---	---	---	---	---	---	---	22.94	19.21	---	3.73	---	---
S-5	07/29/1999	61,400	3,320	6,980	1,520	7,700	<1,000	---	---	---	---	---	---	---	22.94	14.77	---	8.17	---	---
S-5	11/01/1999	48,200	2,700	5,740	1,290	7,850	<500	<40.0	---	---	---	---	---	---	22.94	15.56	---	7.38	---	---
S-5	01/07/2000	39,000	3,900	8,500	790	8,300	1,500	---	---	---	---	---	---	---	22.94	15.82	---	7.12	---	---
S-5	04/11/2000	29,300	1,680	5,060	1,130	6,220	<250	---	---	---	---	---	---	---	22.94	18.19	---	4.75	---	---
S-5	07/19/2000	6,420	2,110	207	252	681	355	253 b	---	---	---	---	---	---	22.94	19.01	---	3.93	---	---
S-5	10/12/2000	41,500	2,940	4,940	1,520	7,770	<250	<66.7	---	---	---	---	---	---	22.94	19.62	---	3.32	---	---
S-5	01/09/2001	142,000	7,030	9,550	2,340	12,600	779	---	---	---	---	---	---	---	22.94	19.94	---	3.00	---	---
S-5	04/06/2001	Well inaccessible		---	---	---	---	---	---	---	---	---	---	---	22.94	---	---	---	---	---
S-5	04/13/2001	59,800	4,810	10,800	1,950	10,100	842	<10.0	---	---	---	---	---	---	22.94	14.72	---	8.22	---	---
S-5	07/25/2001	71,000	2,900	6,800	1,700	9,100	---	<250	---	---	---	---	---	---	22.94	14.91	---	8.03	---	---
S-5	08/13/2001	---	---	---	---	---	---	---	---	---	---	---	---	---	22.94	19.43	---	3.51	---	---
S-5	11/01/2001	Unable to locate		---	---	---	---	---	---	---	---	---	---	---	22.94	---	---	---	---	---
S-5	01/17/2002	58,000 d	460 d	3,300 d	1,900 d	8,400 d	---	<200 d	---	---	---	---	---	---	c	14.27	---	---	---	---
S-5	05/08/2002	60,000 d	d	2,700 d	1,800 d	8,800 d	---	<100 d	---	---	---	---	---	---	22.94	18.40	---	4.54	---	---
S-5	07/18/2002	53,000	240	1,200	1,500	6,400	---	<100	---	---	---	---	---	---	27.36	14.25	---	13.11	---	---
S-5	10/15/2002	Well inaccessible		---	---	---	---	---	---	---	---	---	---	---	27.36	---	---	---	---	---
S-5	10/17/2002	42,000	420	1,100	1,200	5,500	---	<10	---	---	---	---	---	---	27.36	14.90	---	12.46	---	---
S-5	01/02/2003	26,000	680	1,500	780	3,800	---	<5.0	---	---	---	---	---	---	27.36	14.72	---	12.64	---	---
S-5	04/15/2003	3,600	29	38	65	370	---	<5.0	---	---	---	---	---	---	e	14.45	---	---	---	---
S-5	07/14/2003	21,000	210	460	650	2,900	---	<10	---	---	---	---	---	---	e	14.10	---	---	---	---
S-5	10/20/2003	37,000	390	590	870	3,500	---	<13	---	---	---	---	---	---	e	14.63	---	---	---	---
S-5	01/22/2004	29,000	200	210	710	2,400	---	<13	---	---	---	---	---	---	e	14.08	---	---	---	---
S-5	04/19/2004	25,000	490	460	750	2,400	---	19	---	---	---	---	---	---	e	13.43	---	---	---	---
S-5	07/13/2004	28,000	300	280	690	2,400	---	<13	---	---	---	---	---	---	e	14.88	---	---	---	---
S-5	08/14/2008	31,000	1,700	1,600	1,400	3,350	---	<10	---	---	---	---	<5.0	<10	e	16.65	---	---	---	---
S-5	11/11/2008	37,000 i	2,500 i	1,300 i	2,000 i	3,490 i	---	<50 i	---	---	---	---	<25 i	<50 i	e	16.81	---	---	---	---
S-5	11/11/2008	40,000 j	2,300 j	1,400 j	1,900 j	3,630 j	---	<50 j	---	---	---	---	<25 j	<50 j	e	16.81	---	---	---	---
S-5	01/05/2009	57,000	2,300	1,400	1,500	2,900	---	<10	---	---	---	---	<5.0	<10	e	16.71	---	---	---	---
S-5	04/09/2009	52,000	2,100	3,500	1,900	5,400	---	<20	---	---	---	---	<10	<20	e	16.31	---	---	0.3	163
S-5	07/23/2009	37,000	1,800	1,900	1,400	3,800	---	---	---	---	---	---	---	---	e	16.62	---	---	1.48	-84
S-5	10/01/2009	36,000	1,800	1,900	1,400	3,700	---	---	---	---	---	---	---	---	27.24	16.35	---	10.89	0.86	-52
S-5	01/28/2010	35,000	1,200	1,900	1,500	3,600	---	---	---	---	---	---	---	---	27.24	16.35	---	10.89	---	---
S-5	05/20/2010	36,000	1,600	2,500	1,700	4,500	---	---	---	---	---	---	---	---	27.24	16.50	---	10.74	1.22	227
S-5	08/31/2010	32,000	1,300	1,100	1,600	3,400	---	---	---	---	---	---	---	---	27.24	16.95	---	10.29	0.58	-102
S-5	12/29/2010	26,000	970	1,500	1,500	3,200	---	---	---	---	---	---	---	---	27.24	16.25	---	10.99	1.18	233

TABLE 3

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
461 8TH STREET, OAKLAND, CALIFORNIA

Well ID	Date	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260 (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	EDC (µg/L)	EDB (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	SPH Thickness (ft)	GW Elevation (ft MSL)	DO (mg/L)	ORP (mV)
S-5	02/01/2011	27,000	1,100	1,500	1,400	3,100	---	---	---	---	---	---	---	---	27.24	15.38	---	11.86	1.65	-83
S-5	04/25/2011	70,000	380	440	720	1,200	---	---	---	---	---	---	---	---	27.24	13.98	---	13.26	0.95	-109
S-5	07/28/2011	21,000	340	430	570	1,000	---	---	---	---	---	---	---	---	27.24	13.80	---	13.44	0.71	-95
S-5	10/28/2011	23,000	430	480	570	1,300	---	---	---	---	---	---	---	---	27.24	14.28	---	12.96	6.05	190
S-5	05/07/2012	16,000	150	200	350	760	---	---	---	---	---	---	---	---	27.24	13.82	---	13.42	3.61	120
S-5	08/31/2012	12,000	330	300	330	850	---	---	---	---	---	---	---	---	27.24	14.68	---	12.56	1.38	253
S-5	12/11/2012	14,000	420	700	550	1,500	---	---	---	---	---	---	---	---	27.24	16.00	---	11.24	1.07/1.29	162/63
S-5	01/24/2013	29,000	910	1,700	1,200	2,700	---	---	---	---	---	---	---	---	27.24	16.46	---	10.78	---	---
S-5	05/02/2013	35,000	650	1,500	1,400	4,500	---	---	---	---	---	---	---	---	27.24	18.59	---	8.65	---	---
S-5	08/09/2013	350,000	820	9,800	6,900	34,000	---	---	---	---	---	---	---	---	27.24	19.12	---	8.12	---	---
S-5	11/07/2013	---	---	---	---	---	---	---	---	---	---	---	---	---	27.24	k	k	k	---	---
S-5	01/31/2014	---	---	---	---	---	---	---	---	---	---	---	---	---	27.24	19.87	0.91	8.10	---	---
S-5	03/14/2014	---	---	---	---	---	---	---	---	---	---	---	---	---	27.24	19.98	1.15	8.18	---	---
S-5	04/21/2014	---	---	---	---	---	---	---	---	---	---	---	---	---	27.24	19.80	1.14	8.35	---	---
S-5	07/31/2014	---	---	---	---	---	---	---	---	---	---	---	---	---	27.24	18.58	0.29	8.89	---	---
S-5	09/22/2014	---	---	---	---	---	---	---	---	---	---	---	---	---	27.24	18.55	0.15	8.81	---	---
S-5	10/03/2014	---	---	---	---	---	---	---	---	---	---	---	---	---	27.24	18.45	---	8.79	---	---
S-5	10/10/2014	---	---	---	---	---	---	---	---	---	---	---	---	---	27.24	10.48	---	16.76	---	---
S-5	10/17/2014	---	---	---	---	---	---	---	---	---	---	---	---	---	27.24	18.44	---	8.80	---	---
S-5	10/24/2014	---	---	---	---	---	---	---	---	---	---	---	---	---	27.24	18.54	---	8.70	---	---
S-5	11/21/2014	34,000	350	830	1,400	14,000	---	---	---	---	---	---	---	---	27.24	18.58	---	8.66	---	---
S-5	12/23/2014	---	---	---	---	---	---	---	---	---	---	---	---	---	27.24	25.19	---	2.05	---	---
S-6	04/16/1987	81,000	16,000	9,000	a	6,400	---	---	---	---	---	---	---	---	100.58	---	---	---	---	---
S-6	10/26/1988	110,000	29,000	18,000	2,500	8,200	---	---	---	---	---	---	---	---	100.58	---	---	---	---	---
S-6	02/14/1989	54,000	18,000	4,500	1,400	4,000	---	---	---	---	---	---	---	---	100.58	20.87	---	79.71	---	---
S-6	05/01/1989	93,000	43,000	9,900	3,000	8,000	---	---	---	---	---	---	---	---	100.58	20.49	---	80.09	---	---
S-6	07/27/1989	52,000	20,000	3,200	1,700	5,500	---	---	---	---	---	---	---	---	100.58	21.01	---	79.57	---	---
S-6	10/05/1989	55,000	20,000	2,900	1,600	5,500	---	---	---	---	---	---	---	---	100.58	21.24	---	79.34	---	---
S-6	01/09/1990	76,000	35,000	9,100	2,300	8,600	---	---	---	---	---	---	---	---	100.58	22.62	Sheen	77.96	---	---
S-6	04/30/1990	39,000	13,000	2,300	900	2,800	---	---	---	---	---	---	---	---	100.58	22.10	---	78.48	---	---
S-6	07/31/1990	48,000	20,000	4,600	1,500	4,900	---	---	---	---	---	---	---	---	100.58	22.00	---	78.58	---	---
S-6	10/30/1990	27,000	7,400	900	600	1,400	---	---	---	---	---	---	---	---	100.58	22.14	---	78.44	---	---
S-6	05/06/1991	35,000	3,900	2,700	2,300	3,500	---	---	---	---	---	---	---	---	100.58	22.40	---	78.18	---	---
S-6	06/27/1991	51,000	19,000	5,600	1,700	6,300	---	---	---	---	---	---	---	---	100.58	21.21	---	79.37	---	---
S-6	09/24/1991	42,000	14,000	4,300	1,200	4,000	---	---	---	---	---	---	---	---	100.58	22.26	---	78.32	---	---
S-6	11/07/1991	39,000	11,000	2,000	800	2,300	---	---	---	---	---	---	---	---	100.58	22.35	---	78.23	---	---
S-6	02/13/1992	64,000	21,000	6,200	1,600	5,100	---	---	---	---	---	---	---	---	100.58	22.28	---	78.30	---	---
S-6	05/11/1992	57,000	22,000	7,600	2,200	7,700	---	---	---	---	---	---	---	---	100.58	22.10	---	78.48	---	---
S-6	12/03/1992	110,000	26,000	9,400	2,100	8,700	---	---	---	---	---	---	---	---	100.58	22.14	---	78.44	---	---
S-6	05/13/1993	58,000	21,000	6,800	2,500	9,800	---	---	---	---	---	---	---	---	100.58	22.16	---	78.42	---	---
S-6	07/22/1993	70,000	31,000	14,000	3,000	13,000	---	---	---	---	---	---	---	---	100.58	21.64	---	78.94	---	---

TABLE 3

**GROUNDWATER DATA
FORMER SHELL SERVICE STATION
461 8TH STREET, OAKLAND, CALIFORNIA**

<i>Well ID</i>	<i>Date</i>	<i>TPHg (µg/L)</i>	<i>B (µg/L)</i>	<i>T (µg/L)</i>	<i>E (µg/L)</i>	<i>X (µg/L)</i>	<i>MTBE 8020 (µg/L)</i>	<i>MTBE 8260 (µg/L)</i>	<i>TBA (µg/L)</i>	<i>DIPE (µg/L)</i>	<i>ETBE (µg/L)</i>	<i>TAME (µg/L)</i>	<i>EDC (µg/L)</i>	<i>EDB (µg/L)</i>	<i>TOC (ft MSL)</i>	<i>Depth to Water (ft TOC)</i>	<i>SPH Thickness (ft)</i>	<i>GW Elevation (ft MSL)</i>	<i>DO (mg/L)</i>	<i>ORP (mV)</i>
S-6	10/20/1993	48,000	28,000	9,800	3,200	12,000	---	---	---	---	---	---	---	---	100.58	21.62	---	78.96	---	---
S-6	01/25/1994	70,000	23,000	7,500	2,500	8,000	---	---	---	---	---	---	---	---	100.58	21.80	---	78.78	---	---
S-6	04/25/1994	61,000	16,000	4,000	1,800	5,100	---	---	---	---	---	---	---	---	100.58	21.68	---	78.90	---	---
S-6	07/21/1994	44,000	8,200	3,600	1,400	3,900	---	---	---	---	---	---	---	---	100.58	21.78	---	78.80	---	---
S-6 (D)	07/21/1994	32,000	7,800	3,400	1,300	3,700	---	---	---	---	---	---	---	---	100.58	---	---	---	---	---
S-6	10/24/1994	2,936	1,184	440.6	163.4	648.4	---	---	---	---	---	---	---	---	100.58	22.06	---	78.52	---	---
S-6 (D)	10/24/1994	2,968	770.8	325.3	144.1	622	---	---	---	---	---	---	---	---	22.08*	---	---	---	---	---
S-6	12/22/1994	32,000	7,000	2,900	790	2,400	---	---	---	---	---	---	---	---	22.08	21.91	---	0.17	---	---
S-6 (D)	12/22/1994	32,000	8,000	3,800	1,100	3,400	---	---	---	---	---	---	---	---	22.08	---	---	---	---	---
S-6	04/20/1995	56,000	15,000	3,800	1,900	4,900	---	---	---	---	---	---	---	---	22.08	21.38	---	0.70	---	---
S-6 (D)	04/20/1995	49,000	13,000	3,500	1,800	4,700	---	---	---	---	---	---	---	---	22.08	---	---	---	---	---
S-6	10/04/1995	49,000	8,400	4,700	1,800	4,800	---	---	---	---	---	---	---	---	22.08	21.80	---	0.28	---	---
S-6 (D)	10/04/1995	41,000	8,400	4,100	1,400	4,400	---	---	---	---	---	---	---	---	22.08	---	---	---	---	---
S-6	01/03/1996	52,000	9,100	7,100	1,800	5,800	---	---	---	---	---	---	---	---	22.08	21.70	---	0.38	---	---
S-6	04/11/1996	59,000	11,000	7,100	2,100	6,400	<500	---	---	---	---	---	---	---	22.08	21.62	---	0.46	---	---
S-6 (D)	04/11/1996	59,000	11,000	6,800	1,900	6,400	<500	---	---	---	---	---	---	---	22.08	---	---	---	---	---
S-6	07/11/1996	72,000	18,000	6,600	2,500	8,400	<1,000	---	---	---	---	---	---	---	22.08	21.65	---	0.43	---	---
S-6	10/02/1996	57,000	11,000	6,500	1,500	5,100	<500	---	---	---	---	---	---	---	22.08	21.80	---	0.28	---	---
S-6	01/22/1997	67,000	15,000	5,000	1,800	5,400	<1,000	---	---	---	---	---	---	---	22.08	19.95	---	2.13	---	---
S-6 (D)	01/22/1997	63,000	15,000	4,800	1,800	5,200	<1,000	---	---	---	---	---	---	---	22.08	---	---	---	---	---
S-6	07/21/1997	61,000	15,000	2,100	1,100	3,500	1,900	---	---	---	---	---	---	---	22.08	20.61	---	1.47	---	---
S-6	01/22/1998	46,000	14,000	3,200	1,300	3,400	<500	---	---	---	---	---	---	---	22.08	19.82	---	2.26	---	---
S-6	07/08/1998	74,000	26,000	7,500	2,200	6,200	<1,000	---	---	---	---	---	---	---	22.08	18.20	---	3.88	---	---
S-6	10/26/1998	---	---	---	---	---	---	---	---	---	---	---	---	---	22.08	18.81	---	3.27	---	---
S-6	01/28/1999	120,000	9,000	14,000	2,700	14,000	3,700	---	---	---	---	---	---	---	22.08	19.73	---	2.35	---	---
S-6	04/23/1999	58,500	15,900	1,360	1,640	3,030	<2500	---	---	---	---	---	---	---	22.08	17.58	---	4.50	---	---
S-6	07/29/1999	36,200	10,300	760	930	1,360	<1,000	---	---	---	---	---	---	---	22.08	21.35	---	0.73	---	---
S-6	11/01/1999	36,000	11,700	767	865	1,670	<1,250	<40.0	---	---	---	---	---	---	22.08	19.23	---	2.85	---	---
S-6	01/07/2000	36,000	7,600	4,600	840	3,600	<1,000	---	---	---	---	---	---	---	22.08	19.53	---	2.55	---	---
S-6	04/11/2000	14,600	7,540	205	306	609	621	---	---	---	---	---	---	---	22.08	18.16	---	3.92	---	---
S-6	07/19/2000	2,590	629	63.9	99.6	267	124	72.7 b	---	---	---	---	---	---	22.08	18.40	---	3.68	---	---
S-6	10/12/2000	32,900	14,200	966	1,060	1,790	<500	<100	---	---	---	---	---	---	22.08	19.52	---	2.56	---	---
S-6	01/09/2001	27,600	11,200	675	666	1,580	1,430	<10.0 b	---	---	---	---	---	---	22.08	19.69	---	2.39	---	---
S-6	02/05/2001	---	---	---	---	---	---	---	---	---	---	---	---	---	22.08	19.20	---	2.88	---	---
S-6	04/06/2001	16,900	7,800	343	172	966	809	<20.0	---	---	---	---	---	---	22.08	18.25	---	3.83	---	---
S-6	07/25/2001	29,000	9,800	1,700	1,000	1,800	---	<250	---	---	---	---	---	---	22.08	18.27	---	3.81	---	---
S-6	11/01/2001	41,000	15,000	2,400	1,100	2,500	---	<500	---	---	---	---	---	---	22.08	19.30	---	2.78	---	---
S-6	01/17/2002	38,000 d	11,000 d	1,700 d	990 d	2,200 d	---	<500 d	---	---	---	---	---	---	22.08	18.51	---	3.57	---	---
S-6	05/08/2002	72,000	21,000	4,400	2,200	5,300	---	<1,000	---	---	---	---	---	---	22.08	18.30	---	3.78	---	---
S-6	07/18/2002	71,000	17,000	4,300	1,700	4,800	---	<1,000	---	---	---	---	---	---	30.56	18.19	---	12.37	---	---
S-6	10/15/2002	55,000	16,000	4,600	1,500	4,600	---	<100	---	---	---	---	---	---	30.56	18.77	---	11.79	---	---
S-6	01/02/2003	75,000	21,000	5,000	2,400	6,400	---	<50	---	---	---	---	---	---	30.56	18.60	---	11.96	---	---

TABLE 3

**GROUNDWATER DATA
FORMER SHELL SERVICE STATION
461 8TH STREET, OAKLAND, CALIFORNIA**

Well ID	Date	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260 (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	EDC (µg/L)	EDB (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	SPH Thickness (ft)	GW Elevation (ft MSL)	DO (mg/L)	ORP (mV)
S-6	04/15/2003	64,000	29,000	6,400	2,700	5,600	---	<1,000	---	---	---	---	---	---	30.56	18.27	---	12.29	---	---
S-6	07/14/2003	47,000	19,000	4,300	1,500	4,300	---	<100	---	---	---	---	---	---	30.56	18.05	---	12.51	---	---
S-6	10/20/2003	63,000	21,000	5,800	1,900	5,200	---	<130	---	---	---	---	---	---	30.56	18.55	Sheen	12.01	---	---
S-6	01/22/2004	41,000	21,000	4,300	1,800	4,000	---	<130	---	---	---	---	---	---	30.56	18.18	Sheen	12.38	---	---
S-6	04/19/2004	58,000	23,000	4,200	2,200	3,900	---	<130	---	---	---	---	---	---	30.56	17.32	---	13.24	---	---
S-6	05/03/2004	---	---	---	---	---	---	---	---	---	---	---	---	---	30.56	17.30	---	13.26	---	---
S-6	06/17/2004	---	---	---	---	---	---	---	---	---	---	---	---	---	30.56	17.70	---	12.86	---	---
S-6	07/13/2004	---	---	---	---	---	---	---	---	---	---	---	---	---	30.56	17.85	---	12.71	---	---
S-6	10/28/2004	45,000	21,000	3,600	1,700	3,300	---	<130	---	---	---	---	---	---	30.56	18.45	---	12.11	---	---
S-6	01/17/2005	61,000	21,000	3,500	1,600	3,200	---	<130	---	---	---	---	---	---	30.56	17.52	---	13.04	---	---
S-6	04/14/2005	36,000	12,000	6,200	850	4,800	---	<50	---	---	---	---	---	---	30.56	22.49	---	8.07	---	---
S-6	07/28/2005	54,000	16,000	9,100	1,800	5,900	---	<130	---	---	---	---	---	---	30.56	19.38	---	11.18	---	---
S-6	10/05/2005	59,000	14,000	7,500	1,400	5,000	---	<50	---	---	---	---	---	---	30.56	18.32	---	12.24	---	---
S-6	02/09/2006	41,100	7,060	3,900	673	2,380	---	<0.500	---	---	---	---	---	---	30.56	17.11	---	13.45	---	---
S-6	05/15/2006	188,000	24,800	20,700	2,540	12,400	---	<25.0	---	---	---	---	---	---	30.56	19.80	---	10.76	---	---
S-6	08/23/2006	133,000	24,900	16,100	2,280	10,500	---	<0.500	---	---	---	---	---	---	30.56	20.45	---	10.11	---	---
S-6	11/15/2006	66,000	19,000	8,400	1,900	7,400	---	<400	---	---	---	---	---	---	30.56	20.41	---	10.15	---	---
S-6	01/30/2007	88,000	18,000	9,600	1,900	7,200	---	<100	---	---	---	---	---	---	30.56	20.47	---	10.09	---	---
S-6	05/29/2007	56,000 f	17,000	6,700	1,700	5,400	---	<20	---	---	---	---	---	---	30.56	20.40	---	10.16	---	---
S-6	08/15/2007	57,000 f,g	15,000	6,800	1,600	6,100	---	<100	---	---	---	---	---	---	30.56	20.49	---	10.07	---	---
S-6	11/28/2007	42,000 f	13,000	5,000	1,300	5,000	---	<100	---	---	---	---	---	---	30.56	20.65	---	9.91	---	---
S-6	02/08/2008	35,000 f	12,000	5,000	1,200	4,050	---	<100	---	---	---	---	<50	<100	30.56	20.31	---	10.25	---	---
S-6	05/08/2008	45,000 f	15,000	6,100	1,400	5,000	---	<100	---	---	---	---	<50	<100	30.56	20.63	---	9.93	---	---
S-6	08/14/2008	37,000	11,000	5,200	1,200	4,600	---	<100	---	---	---	---	<50	<100	30.56	20.65	---	9.91	---	---
S-6	11/11/2008	37,000 i	15,000 i	6,200 i	1,200 i	3,390 i	---	<10 i	---	---	---	---	<5.0 i	<10 i	30.56	20.79	---	9.77	---	---
S-6	11/11/2008	14,000 j	5,200 j	680 j	400 j	1,060 j	---	<50 j	---	---	---	---	<25 j	<50 j	30.56	20.79	---	9.77	---	---
S-6	01/05/2009	53,000	9,400	3,600	890	3,100	---	<100	---	---	---	---	<50	<100	30.56	21.66	---	8.90	---	---
S-6	04/09/2009	Unable to sample		---	---	---	---	---	---	---	---	---	---	---	30.56	---	---	---	---	---
S-6	04/21/2009	13,000	3,700	1,100	270	750	---	<100	---	---	---	---	<50	<100	30.56	20.20	---	10.36	---	---
S-6	07/23/2009	15,000	4,400	1,100	360	1,000	---	---	---	---	---	---	---	---	30.56	20.66	---	9.90	1.13	-73
S-6	10/01/2009	21,000	5,100	1,300	420	1,200	---	---	---	---	---	---	---	---	30.56	20.86	---	9.70	0.58	16
S-6	01/28/2010	8,700	2,600	250	200	400	---	---	---	---	---	---	---	---	30.56	20.36	---	10.20	---	---
S-6	05/20/2010	4,400	1,600	82	85	150	---	---	---	---	---	---	---	---	30.56	20.68	---	9.88	1.08	64
S-6	08/31/2010	19,000	4,700	1,300	560	1,600	---	---	---	---	---	---	---	---	30.56	20.78	---	9.78	1.55	-88
S-6	12/29/2010	15,000	3,900	1,500	520	1,800	---	---	---	---	---	---	---	---	30.56	19.92	---	10.64	2.35	123
S-6	02/01/2011	16,000	4,000	1,700	600	1,800	---	---	---	---	---	---	---	---	30.56	19.05	---	11.51	0.61	-143
S-6	04/25/2011	23,000	7,800	3,500	960	3,000	---	---	---	---	---	---	---	---	30.56	17.73	---	12.83	0.76	-112
S-6	07/28/2011	17,000	5,500	1,500	600	1,600	---	---	---	---	---	---	---	---	30.56	17.62	---	12.94	0.77	-26
S-6	10/28/2011	42,000	11,000	4,500	1,600	5,900	---	---	---	---	---	---	---	---	30.56	18.12	---	12.44	4.64	-9
S-6	05/07/2012	38,000	14,000	4,800	1,300	4,400	---	---	---	---	---	---	---	---	30.56	17.50	---	13.06	2.32	116
S-6	08/31/2012	96,000	6,700	2,500	1,900	6,200	---	---	---	---	---	---	---	---	30.56	18.42	---	12.14	0.62	146
S-6	12/11/2012	31,000	8,300	3,700	1,000	3,700	---	---	---	---	---	---	---	---	30.56	20.00	---	10.56	0.92/0.65	102/-16

TABLE 3

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
461 8TH STREET, OAKLAND, CALIFORNIA

Well ID	Date	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260 (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	EDC (µg/L)	EDB (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	SPH Thickness (ft)	GW Elevation (ft MSL)	DO (mg/L)	ORP (mV)
S-6	01/24/2013	29,000	9,100	2,500	950	2,600	---	---	---	---	---	---	---	---	30.56	20.43	---	10.13	---	---
S-6	05/02/2013	10,000	1,800	1,100	430	1,100	---	---	---	---	---	---	---	---	30.56	22.98	---	7.58	---	---
S-6	08/09/2013	45,000	3,800	8,000	1,800	6,500	---	---	---	---	---	---	---	---	30.56	23.21	---	7.35	---	---
S-6	11/07/2013	33,000	3,600	3,800	1,000	3,700	---	---	---	---	---	---	---	---	30.56	25.24	---	5.32	---	---
S-6	01/31/2014	16,000	1,200	2,700	710	2,500	---	---	---	---	---	---	---	---	30.56	23.30	---	7.26	---	---
S-6	04/21/2014	15,000	1,100	3,100	650	2,300	---	---	---	---	---	---	---	---	30.56	22.98	---	7.58	---	---
S-6	07/31/2014	40,000	4,200	7,300	1,300	5,400	---	---	---	---	---	---	---	---	30.56	22.49	---	8.07	---	---
S-6	11/21/2014	48,000	3,600	8,900	1,700	7,000	---	---	---	---	---	---	---	---	30.56	22.49	---	8.07	---	---
S-8	12/22/1994	600	120	32	5.2	34	---	---	---	---	---	---	---	---	27.21	24.87	---	2.34	---	---
S-8	04/20/1995	460	180	23	5.2	21	---	---	---	---	---	---	---	---	27.21	23.90	---	3.31	---	---
S-8	10/04/1995	830	210	38	11	42	---	---	---	---	---	---	---	---	27.21	24.48	---	2.73	---	---
S-8	01/03/1996	350	61	12	2.5	12	---	---	---	---	---	---	---	---	27.21	24.62	---	2.59	---	---
S-8 (D)	01/03/1996	340	54	12	2.4	12	---	---	---	---	---	---	---	---	27.21	---	---	---	---	---
S-8	04/11/1996	570	140	37	12	47	<6.2	---	---	---	---	---	---	---	27.21	24.32	---	2.89	---	---
S-8	07/11/1996	980	98	32	9.1	160	<12	---	---	---	---	---	---	---	27.21	24.10	---	3.11	---	---
S-8	10/02/1996	280	62	13	3.3	25	15	---	---	---	---	---	---	---	27.21	25.38	---	1.83	---	---
S-8 (D)	10/02/1996	490	110	24	7.0	45	22	<2.0	---	---	---	---	---	---	27.21	---	---	---	---	---
S-8	01/22/1997	400	90	13	4.9	25	12	---	---	---	---	---	---	---	27.21	23.91	---	3.30	---	---
S-8	07/21/1997	2,900	380	110	26	260	85	---	---	---	---	---	---	---	27.21	23.62	---	3.59	---	---
S-8 (D)	07/21/1997	3,200	420	120	32	300	130	---	---	---	---	---	---	---	27.21	---	---	---	---	---
S-8	01/22/1998	3,800	790	140	42	330	160	---	---	---	---	---	---	---	27.21	23.52	---	3.69	---	---
S-8 (D)	01/22/1998	3,500	780	120	33	300	160	---	---	---	---	---	---	---	27.21	---	---	---	---	---
S-8	07/08/1998	3,600	1,800	<25	<25	<25	<125	---	---	---	---	---	---	---	27.21	21.52	---	5.69	---	---
S-8 (D)	07/08/1998	4,000	1,800	<25	<25	31	<125	---	---	---	---	---	---	---	27.21	---	---	---	---	---
S-8	10/26/1998	---	---	---	---	---	---	---	---	---	---	---	---	---	27.21	22.01	---	5.20	---	---
S-8	01/28/1999	2,000	630	6.2	24	51	43	---	---	---	---	---	---	---	27.21	23.03	---	4.18	---	---
S-8	04/23/1999	1,050	408	<5.00	<5.00	6.65	<50.0	---	---	---	---	---	---	---	27.21	22.15	---	5.06	---	---
S-8	07/29/1999	955	344	<2.50	6.90	16.2	<25.0	---	---	---	---	---	---	---	27.21	21.95	---	5.26	---	---
S-8	11/01/1999	1,800	550	6.45	15.0	40.4	<50.0	---	---	---	---	---	---	---	27.21	22.55	---	4.66	---	---
S-8	01/07/2000	1,300	600	11	29	48	<13	---	---	---	---	---	---	---	27.21	22.87	---	4.34	---	---
S-8	04/11/2000	342	101	4.42	4.24	14.7	21.4	---	---	---	---	---	---	---	27.21	21.86	---	5.35	---	---
S-8	07/19/2000	579	228	6.37	6.45	25	<12.5	---	---	---	---	---	---	---	27.21	21.93	---	5.28	---	---
S-8	10/12/2000	947	340	8.64	3.26	38.3	<12.5	<2.00	---	---	---	---	---	---	27.21	22.92	---	4.29	---	---
S-8	01/09/2001	1,090	394	<10.0	<10.0	33.3	57.6	---	---	---	---	---	---	---	27.21	23.19	---	4.02	---	---
S-8	04/06/2001	671	182	12.5	16.4	47.1	42.5	---	---	---	---	---	---	---	27.21	22.46	---	4.75	---	---
S-8	07/25/2001	500	70	6.7	11	23	---	<5.0	---	---	---	---	---	---	27.21	22.50	---	4.71	---	---
S-8	11/01/2001	1,900	250	28	39	180	---	<5.0	---	---	---	---	---	---	27.21	22.44	---	4.77	---	---
S-8	01/17/2002	830 d	140 d	11 d	12 d	89 d	---	<5.0 d	---	---	---	---	---	---	27.21	21.82	---	5.39	---	---
S-8	05/08/2002	210 d	34 d	1.7 d	4.1 d	15 d	---	<5.0 d	---	---	---	---	---	---	27.21	21.35	---	5.86	---	---
S-8	07/18/2002	650	68	2.8	9.7	42	---	<5.0	---	---	---	---	---	---	35.85	21.53	---	14.32	---	---
S-8	10/15/2002	1,000	160	4.2	7.7	74	---	<0.50	---	---	---	---	---	---	35.85	21.97	---	13.88	---	---

TABLE 3

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
461 8TH STREET, OAKLAND, CALIFORNIA

Well ID	Date	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260 (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	EDC (µg/L)	EDB (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	SPH Thickness (ft)	GW Elevation (ft MSL)	DO (mg/L)	ORP (mV)
S-8	01/02/2003	440	55	1.8	2.9	31	---	<0.50	---	---	---	---	---	---	35.85	21.95	---	13.90	---	---
S-8	04/15/2003	---	---	---	---	---	---	---	---	---	---	---	---	---	35.85	21.73	---	14.12	---	---
S-8	07/14/2003	60	6.8	<0.50	0.98	4.9	---	<0.50	---	---	---	---	---	---	35.85	21.40	---	14.45	---	---
S-8	10/20/2003	---	---	---	---	---	---	---	---	---	---	---	---	---	35.85	21.94	---	13.91	---	---
S-8	01/22/2004	210	19	0.52	3.6	17	---	<0.50	---	---	---	---	---	---	35.85	21.40	---	14.45	---	---
S-8	04/19/2004	---	---	---	---	---	---	---	---	---	---	---	---	---	35.85	20.83	---	15.02	---	---
S-8	07/13/2004	420	77	0.82	14	31	---	<0.50	---	---	---	---	---	---	35.85	21.05	---	14.80	---	---
S-8	10/28/2004	---	---	---	---	---	---	---	---	---	---	---	---	---	35.85	21.77	---	14.08	---	---
S-8	01/17/2005	490	85	0.89	13	28	---	<0.50	---	---	---	---	---	---	35.85	20.92	---	14.93	---	---
S-8	04/14/2005	---	---	---	---	---	---	---	---	---	---	---	---	---	35.85	21.57	---	14.28	---	---
S-8	07/28/2005	64	12	<0.50	1.5	1.6	---	<0.50	---	---	---	---	---	---	35.85	21.62	---	14.23	---	---
S-8	10/05/2005	---	---	---	---	---	---	---	---	---	---	---	---	---	35.85	21.11	---	14.74	---	---
S-8	02/09/2006	<50.0	2.79	<0.500	<0.500	<0.500	---	<0.500	---	---	---	---	---	---	35.85	20.18	---	15.67	---	---
S-8	05/15/2006	---	---	---	---	---	---	---	---	---	---	---	---	---	35.85	20.53	---	15.32	---	---
S-8	08/23/2006	<50.0	<0.500	<0.500	<0.500	<0.500	---	<0.500	---	---	---	---	---	---	35.85	21.49	---	14.36	---	---
S-8	11/15/2006	---	---	---	---	---	---	---	---	---	---	---	---	---	35.85	22.05	---	13.80	---	---
S-8	01/30/2007	<50	<0.50	<0.50	<0.50	<1.0	---	<0.50	---	---	---	---	---	---	35.85	22.41	---	13.44	---	---
S-8	05/29/2007	---	---	---	---	---	---	---	---	---	---	---	---	---	35.85	22.65	---	13.20	---	---
S-8	08/15/2007	65 f,g	7.4	<1.0	<1.0	<1.0	---	<1.0	---	---	---	---	---	---	35.85	22.88	---	12.97	---	---
S-8	11/28/2007	---	---	---	---	---	---	---	---	---	---	---	---	---	35.85	23.20	---	12.65	---	---
S-8	02/08/2008	350 f	22	<1.0	4.8	2.6	---	1.2	---	---	---	---	<0.50	<1.0	35.85	22.72	---	13.13	---	---
S-8	05/08/2008	---	---	---	---	---	---	---	---	---	---	---	---	---	35.85	22.91	---	12.94	---	---
S-8	08/14/2008	420	28	<1.0	6.3	1.4	---	<1.0	---	---	---	---	<0.50	<1.0	35.85	23.12	---	12.73	---	---
S-8	11/11/2008	330 i	37 i	<1.0 i	5.1 i	<1.0 i	---	<1.0 i	---	---	---	---	<0.50 i	<1.0 i	35.85	23.37	---	12.48	1.6	28
S-8	11/11/2008	480 j	29 j	<1.0 j	5.4 j	<1.0 j	---	---	---	---	---	---	---	---	35.85	23.37	---	12.48	2.2	103
S-8	12/18/2008	340	38	<1.0	5.4	<1.0	---	---	---	---	---	---	---	---	35.83	23.31	---	12.52	---	---
S-8	01/05/2009	170	15	<1.0	1.2	<1.0	---	---	---	---	---	---	---	---	35.83	23.28	---	12.55	---	---
S-8	01/15/2009	260	45	<1.0	3.2	<1.0	---	---	---	---	---	---	---	---	35.83	23.05	---	12.78	---	---
S-8	02/12/2009	88	7.2	<1.0	<1.0	<1.0	---	---	---	---	---	---	---	---	35.83	23.34	---	12.49	---	---
S-8	03/12/2009	12,000	1,700	2,100	200	2,400	---	---	---	---	---	---	---	---	35.83	22.90	---	12.93	---	---
S-8	04/09/2009	170	<0.50	<1.0	<1.0	<1.0	---	---	---	---	---	---	---	---	35.83	23.10	---	12.73	---	594
S-8	07/23/2009	140	0.55	<1.0	<1.0	<1.0	---	---	---	---	---	---	---	---	35.83	23.02	---	12.81	2.38	-54
S-8	10/01/2009	140	0.68	<1.0	<1.0	<1.0	---	---	---	---	---	---	---	---	35.83	23.31	---	12.52	4.34	359
S-8	01/28/2010	<50	<0.50	<1.0	<1.0	<1.0	---	---	---	---	---	---	---	---	35.83	22.80	---	13.03	---	---
S-8	05/20/2010	<50	<0.50	<1.0	<1.0	<1.0	---	---	---	---	---	---	---	---	35.83	23.55	---	12.28	0.64	42
S-8	08/31/2010	<50	<0.50	<1.0	<1.0	<1.0	---	---	---	---	---	---	---	---	35.83	23.48	---	12.35	0.54	-72
S-8	12/29/2010	79	0.83	<1.0	<1.0	<1.0	---	---	---	---	---	---	---	---	35.83	23.18	---	12.65	0.74	133
S-8	02/01/2011	<50	<0.50	<0.50	<0.50	<1.0	---	---	---	---	---	---	---	---	35.83	22.57	---	13.26	1.68	104
S-8	04/25/2011	<50	1.1	<0.50	<0.50	<1.0	---	---	---	---	---	---	---	---	35.83	21.26	---	14.57	1.78	12
S-8	07/28/2011	50	2.4	<0.50	<0.50	<1.0	---	---	---	---	---	---	---	---	35.83	20.94	---	14.89	0.89	186
S-8	10/28/2011	<50	0.61	<0.50	<0.50	<1.0	---	---	---	---	---	---	---	---	35.83	21.09	---	14.74	2.78	349
S-8	05/07/2012	<50	4.3	1.4	0.59	1.0	---	---	---	---	---	---	---	---	35.83	21.23	---	14.60	2.42	209

TABLE 3

**GROUNDWATER DATA
FORMER SHELL SERVICE STATION
461 8TH STREET, OAKLAND, CALIFORNIA**

Well ID	Date	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260 (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	EDC (µg/L)	EDB (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	SPH Thickness (ft)	GW Elevation (ft MSL)	DO (mg/L)	ORP (mV)
S-8	05/02/2013	53	<0.50	<0.50	<0.50	<1.0	---	---	---	---	---	---	---	---	35.83	24.65	---	11.18	---	---
S-8	04/21/2014	<50	<0.50	<0.50	<0.50	<1.0	---	---	---	---	---	---	---	---	35.83	25.28	---	10.55	---	---
S-9	12/22/1994	2,600	400	150	42	310	---	---	---	---	---	---	---	---	26.06	24.37	---	1.69	---	---
S-9	04/20/1995	1,900	400	130	51	200	---	---	---	---	---	---	---	---	26.06	23.49	---	2.57	---	---
S-9	10/04/1995	3,200	590	260	68	280	---	---	---	---	---	---	---	---	26.06	24.01	---	2.05	---	---
S-9	01/03/1996	Well inaccessible	---	---	---	---	---	---	---	---	---	---	---	---	26.06	---	---	---	---	---
S-9	04/11/1996	2,100	440	1,500	42	210	<25	---	---	---	---	---	---	---	26.06	23.61	---	2.45	---	---
S-9	07/11/1996	5,200	940	450	120	520	<50	---	---	---	---	---	---	---	26.06	23.78	---	2.28	---	---
S-9 (D)	07/11/1996	4,800	890	430	110	500	<50	---	---	---	---	---	---	---	26.06	---	---	---	---	---
S-9	10/02/1996	3,000	680	220	56	270	<62	---	---	---	---	---	---	---	26.06	24.31	---	1.75	---	---
S-9	01/22/1997	1,500	230	71	36	130	<12	---	---	---	---	---	---	---	26.06	23.08	---	2.98	---	---
S-9	07/21/1997	3,400	590	57	19	210	96	---	---	---	---	---	---	---	26.06	22.83	---	3.23	---	---
S-9	01/22/1998	2,600	300	46	<10	270	62	---	---	---	---	---	---	---	26.06	21.96	---	4.10	---	---
S-9	07/08/1998	820	150	6.2	7.5	57	<10	---	---	---	---	---	---	---	26.06	20.85	---	5.21	---	---
S-9	10/26/1998	---	---	---	---	---	---	---	---	---	---	---	---	---	26.06	21.39	---	4.67	---	---
S-9	01/28/1999	<50	1.0	<0.50	<0.50	<0.50	<2.5	---	---	---	---	---	---	---	26.06	22.32	---	3.74	---	---
S-9	04/23/1999	---	---	---	---	---	---	---	---	---	---	---	---	---	26.06	21.41	---	4.65	---	---
S-9	07/29/1999	117	7.77	0.817	0.683	5.05	<5.00	---	---	---	---	---	---	---	26.06	21.25	---	4.81	---	---
S-9	11/01/1999	---	---	---	---	---	---	---	---	---	---	---	---	---	26.06	21.92	---	4.14	---	---
S-9	01/07/2000	<50	1.2	<0.50	<0.50	<0.50	<2.5	---	---	---	---	---	---	---	26.06	22.11	---	3.95	---	---
S-9	04/11/2000	---	---	---	---	---	---	---	---	---	---	---	---	---	26.06	21.14	---	4.92	---	---
S-9	07/19/2000	Well inaccessible	---	---	---	---	---	---	---	---	---	---	---	---	26.06	---	---	---	---	---
S-9	10/12/2000	---	---	---	---	---	---	---	---	---	---	---	---	---	26.06	22.24	---	3.82	---	---
S-9	01/09/2001	<50.0	1.45	<0.500	<0.500	<0.500	<2.50	---	---	---	---	---	---	---	26.06	22.52	---	3.54	---	---
S-9	04/06/2001	---	---	---	---	---	---	---	---	---	---	---	---	---	26.06	23.61	---	2.45	---	---
S-9	07/25/2001	Well inaccessible	---	---	---	---	---	---	---	---	---	---	---	---	26.06	---	---	---	---	---
S-9	08/13/2001	Well inaccessible	---	---	---	---	---	---	---	---	---	---	---	---	26.06	---	---	---	---	---
S-9	11/01/2001	---	---	---	---	---	---	---	---	---	---	---	---	---	26.06	21.78	---	4.28	---	---
S-9	01/17/2002	<50 d	<0.50 d	<0.50 d	<0.50 d	<0.50 d	---	<5.0 d	---	---	---	---	---	---	26.06	21.15	---	4.91	---	---
S-9	05/08/2002	---	---	---	---	---	---	---	---	---	---	---	---	---	26.06	20.56	---	5.50	---	---
S-9	07/18/2002	<50	<0.50	<0.50	<0.50	<0.50	---	<5.0	---	---	---	---	---	---	34.70	20.88	---	13.82	---	---
S-9	10/15/2002	---	---	---	---	---	---	---	---	---	---	---	---	---	34.70	21.41	---	13.29	---	---
S-9	01/02/2003	<50	<0.50	<0.50	<0.50	<0.50	---	<5.0	---	---	---	---	---	---	34.70	21.35	---	13.35	---	---
S-9	04/15/2003	---	---	---	---	---	---	---	---	---	---	---	---	---	34.70	21.14	---	13.56	---	---
S-9	07/14/2003	<50	<0.50	<0.50	<0.50	<1.0	---	<0.50	---	---	---	---	---	---	34.70	20.80	---	13.90	---	---
S-9	10/20/2003	---	---	---	---	---	---	---	---	---	---	---	---	---	34.70	21.33	---	13.37	---	---
S-9	01/22/2004	<50	<0.50	<0.50	<0.50	<1.0	---	<0.50	---	---	---	---	---	---	34.70	20.77	---	13.93	---	---
S-9	04/19/2004	---	---	---	---	---	---	---	---	---	---	---	---	---	34.70	20.06	---	14.64	---	---
S-9	07/13/2004	<50	<0.50	<0.50	<0.50	<1.0	---	<0.50	---	---	---	---	---	---	34.70	20.44	---	14.26	---	---
S-9	10/28/2004	---	---	---	---	---	---	---	---	---	---	---	---	---	34.70	21.02	---	13.68	---	---
S-9	01/17/2005	<50	<0.50	<0.50	<0.50	<1.0	---	<0.50	---	---	---	---	---	---	34.70	20.18	---	14.52	---	---

TABLE 3

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
461 8TH STREET, OAKLAND, CALIFORNIA

Well ID	Date	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260 (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	EDC (µg/L)	EDB (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	SPH Thickness (ft)	GW Elevation (ft MSL)	DO (mg/L)	ORP (mV)
S-9	04/14/2005	---	---	---	---	---	---	---	---	---	---	---	---	---	34.70	21.85	---	12.85	---	---
S-9	07/28/2005	360	190	1.8	1.1	3.9	---	<0.50	<5.0	<2.0	<2.0	<2.0	---	---	34.70	21.22	---	13.48	---	---
S-9	10/05/2005	---	---	---	---	---	---	---	---	---	---	---	---	---	34.70	20.63	---	14.07	---	---
S-9	02/09/2006	<50.0	0.94	<0.500	<0.500	<0.500	---	<0.500	---	---	---	---	---	---	34.70	19.23	---	15.47	---	---
S-9	05/15/2006	---	---	---	---	---	---	---	---	---	---	---	---	---	34.70	20.28	---	14.42	---	---
S-9	08/23/2006	7,000	1,740	55.6	193	278	---	<0.500	<10.0	<0.500	<0.500	<0.500	---	---	34.70	21.31	---	13.39	---	---
S-9	11/15/2006	---	---	---	---	---	---	---	---	---	---	---	---	---	34.70	21.79	---	12.91	---	---
S-9	01/30/2007	12,000	2,200	250	480	980	---	<0.50	---	---	---	---	---	---	34.70	22.08	---	12.62	---	---
S-9	05/29/2007	---	---	---	---	---	---	---	---	---	---	---	---	---	34.70	22.22	---	12.48	---	---
S-9	08/15/2007	9,800 f,g	2,400	100	410	602	---	<10	<100	<20	<20	<20	---	---	34.70	22.43	---	12.27	---	---
S-9	11/28/2007	---	---	---	---	---	---	---	---	---	---	---	---	---	34.70	22.75	---	11.95	---	---
S-9	02/08/2008	69 f	2.2	<1.0	<1.0	<1.0	---	<1.0	---	---	---	---	<0.50	<1.0	34.70	22.31	---	12.39	---	---
S-9	05/08/2008	---	---	---	---	---	---	---	---	---	---	---	---	---	34.70	22.49	---	12.21	---	---
S-9	08/14/2008	<50	<0.50	<1.0	<1.0	<1.0	---	<1.0	---	---	---	---	<0.50	<1.0	34.70	22.70	---	12.00	---	---
S-9	11/11/2008	<50 i	2.4 i	<1.0 i	<1.0 i	<1.0 i	---	<1.0 i	---	---	---	---	<0.50 i	<1.0 i	34.70	22.90	---	11.80	1.1	92
S-9	11/11/2008	550 j	74 j	12 j	22 j	55.3 j	---	---	---	---	---	---	---	---	34.70	22.90	---	11.80	3.6	98
S-9	12/18/2008	1,500	280	43	71	182	---	---	---	---	---	---	---	---	34.34	22.81	---	11.53	---	---
S-9	01/05/2009	1,000	230	24	45	64	---	---	---	---	---	---	---	---	34.34	22.75	---	11.59	---	---
S-9	01/15/2009	2,100	560	75	100	245	---	---	---	---	---	---	---	---	34.34	22.37	---	11.97	---	---
S-9	02/12/2009	500	120	19	26	50	---	---	---	---	---	---	---	---	34.34	22.61	---	11.73	---	---
S-9	03/12/2009	810	200	30	50	110	---	---	---	---	---	---	---	---	34.34	22.22	---	12.12	---	---
S-9	04/09/2009	2,300	450	60	110	260	---	---	---	---	---	---	---	---	34.34	22.12	---	12.22	0.65	79
S-9	05/18/2009	1,500	200	35	61	180	---	---	---	---	---	---	---	---	34.34	22.09	---	12.25	2.71	173
S-9	07/23/2009	1,700	430	49	110	190	---	---	---	---	---	---	---	---	34.34	22.48	---	11.86	0.21	346
S-9	10/01/2009	1,200	180	12	58	93	---	---	---	---	---	---	---	---	34.34	22.84	---	11.50	1.37	146
S-9	11/09/2009	1,400	260	21	67	81	---	---	---	---	---	---	---	---	34.34	22.63	---	11.71	0.42	---
S-9	12/01/2009	1,100	110	11	26	59	---	---	---	---	---	---	---	---	34.34	22.44	---	11.90	1.09	133
S-9	01/28/2010	860	130	9.3	38	79	---	---	---	---	---	---	---	---	34.34	22.35	---	11.99	1.95	---
S-9	05/20/2010	1,900	340	27	100	210	---	---	---	---	---	---	---	---	34.34	22.40	---	11.94	0.17	138
S-9	06/22/2010	1,400	240	30	65	130	---	---	---	---	---	---	---	---	34.34	22.64	---	11.70	2.16	577
S-9	08/31/2010	760	130	13	54	110	---	<1.0	<10	<2.0	<2.0	<2.0	---	---	34.34	22.92	---	11.42	1.53	415
S-9	12/29/2010	290	55	3.3	18	41	---	---	---	---	---	---	---	---	34.34	22.62	---	11.72	1.64	163
S-9	02/01/2011	640	99	7.8	38	72	---	---	---	---	---	---	---	---	34.34	21.88	---	12.46	1.34	0
S-9	04/25/2011	590	120	9.1	29	77	---	---	---	---	---	---	---	---	34.34	20.34	---	14.00	0.62	98
S-9	07/28/2011	1,700	280	47	88	230	---	<1.0	<10	<1.0	<1.0	<1.0	---	---	34.34	20.10	---	14.24	2.17	73
S-9	10/28/2011	1,900	370	32	110	260	---	---	---	---	---	---	---	---	34.34	20.54	---	13.80	2.18	122
S-9	05/07/2012	970	200	14	46	100	---	<2.5	<50	<2.5	<2.5	<2.5	---	---	34.34	20.49	---	13.85	0.91	78
S-9	12/11/2012	610	160	22	32	95	---	---	---	---	---	---	---	---	34.34	22.28	---	12.06	1.28/1.53	93/76
S-9	05/02/2013	1,400	230	53	65	160	---	<2.5	<50	<2.5	<2.5	<2.5	---	---	34.34	24.36	---	9.98	---	---
S-9	11/07/2013	1,200	150	15	32	84	---	---	---	---	---	---	---	---	34.34	24.92	---	9.42	---	---
S-9	04/21/2014	1,100	120	25	33	83	---	<1.3	<25	<1.3	<1.3	<1.3	---	---	34.34	24.90	---	9.44	---	---
S-9	11/21/2014	1,600	250	15	64	89	---	---	---	---	---	---	---	---	34.34	24.55	---	9.79	---	---

TABLE 3

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
461 8TH STREET, OAKLAND, CALIFORNIA

Well ID	Date	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260 (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	EDC (µg/L)	EDB (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	SPH Thickness (ft)	GW Elevation (ft MSL)	DO (mg/L)	ORP (mV)
S-10	12/22/1994	420	27	8.0	18	45	---	---	---	---	---	---	---	---	28.04	25.84	---	2.20	---	---
S-10	04/20/1995	820	49	3.7	97	52	---	---	---	---	---	---	---	---	28.04	24.92	---	3.12	---	---
S-10	10/04/1995	240	6.5	1.1	16	12	---	---	---	---	---	---	---	---	28.04	25.47	---	2.57	---	---
S-10	01/03/1996	1,100	27	4.9	110	70	---	---	---	---	---	---	---	---	28.04	25.60	---	2.44	---	---
S-10	04/11/1996	530	19	1.6	82	52	<5.0	---	---	---	---	---	---	---	28.04	25.27	---	2.77	---	---
S-10	07/11/1996	570	16	3.2	53	53	<2.5	---	---	---	---	---	---	---	28.04	25.46	---	2.58	---	---
S-10	10/02/1996	270	8.2	0.77	24	23	3.3	---	---	---	---	---	---	---	28.04	25.81	---	2.23	---	---
S-10	01/22/1997	160	4.8	0.73	16	11	<2.5	---	---	---	---	---	---	---	28.04	24.74	---	3.30	---	---
S-10	07/21/1997	530	5.7	0.70	29	69	<2.5	---	---	---	---	---	---	---	28.04	24.50	---	3.54	---	---
S-10	01/22/1998	1,500	15	<5.0	88	130	<25	---	---	---	---	---	---	---	28.04	24.44	---	3.60	---	---
S-10	07/08/1998	530	4.8	1.1	47	51	<2.5	---	---	---	---	---	---	---	28.04	22.36	---	5.68	---	---
S-10	10/26/1998	---	---	---	---	---	---	---	---	---	---	---	---	---	28.04	22.81	---	5.23	---	---
S-10	01/28/1999	630	4.6	0.98	<0.50	59	<2.5	---	---	---	---	---	---	---	28.04	23.82	---	4.22	---	---
S-10	04/23/1999	---	---	---	---	---	---	---	---	---	---	---	---	---	28.04	22.96	---	5.08	---	---
S-10	07/29/1999	728	3.4	<1.00	41.8	38.0	<10.0	---	---	---	---	---	---	---	28.04	22.63	---	5.41	---	---
S-10	11/01/1999	---	---	---	---	---	---	---	---	---	---	---	---	---	28.04	23.02	---	5.02	---	---
S-10	01/07/2000	870	8.5	1.3	110	110	<2.5	---	---	---	---	---	---	---	28.04	23.33	---	4.71	---	---
S-10	04/11/2000	---	---	---	---	---	---	---	---	---	---	---	---	---	28.04	22.64	---	5.40	---	---
S-10	07/19/2000	612	3.75	<0.500	41.6	43.6	<2.50	---	---	---	---	---	---	---	28.04	23.04	---	5.00	---	---
S-10	10/12/2000	---	---	---	---	---	---	---	---	---	---	---	---	---	28.04	23.92	---	4.12	---	---
S-10	01/09/2001	647	7.62	1.01	66.2	42.4	<2.50	---	---	---	---	---	---	---	28.04	24.13	---	3.91	---	---
S-10	04/06/2001	---	---	---	---	---	---	---	---	---	---	---	---	---	28.04	25.37	---	2.67	---	---
S-10	07/25/2001	340	1.5	<0.50	42	19	---	<5.0	---	---	---	---	---	---	28.04	25.35	---	2.69	---	---
S-10	11/01/2001	---	---	---	---	---	---	---	---	---	---	---	---	---	28.04	23.22	---	4.82	---	---
S-10	01/17/2002	1,100 d	3.5 d	<0.50 d	55 d	46 d	---	<5.0 d	---	---	---	---	---	---	28.04	22.72	---	5.32	---	---
S-10	05/08/2002	---	---	---	---	---	---	---	---	---	---	---	---	---	28.04	22.35	---	5.69	---	---
S-10	07/18/2002	750	1.8	<0.50	42	26	---	<5.0	---	---	---	---	---	---	36.35	22.05	---	14.30	---	---
S-10	10/15/2002	---	---	---	---	---	---	---	---	---	---	---	---	---	36.35	22.51	---	13.84	---	---
S-10	01/02/2003	440	1.8	<0.50	14	24	---	<5.0	---	---	---	---	---	---	36.35	22.50	---	13.85	---	---
S-10	04/15/2003	---	---	---	---	---	---	---	---	---	---	---	---	---	36.35	22.32	---	14.03	---	---
S-10	07/14/2003	210	0.86	<0.50	13	12	---	<0.50	---	---	---	---	---	---	36.35	21.99	---	14.36	---	---
S-10	10/20/2003	---	---	---	---	---	---	---	---	---	---	---	---	---	36.35	22.53	---	13.82	---	---
S-10	01/22/2004	280	0.88	<0.50	10	11	---	<0.50	---	---	---	---	---	---	36.35	22.02	---	14.33	---	---
S-10	04/19/2004	---	---	---	---	---	---	---	---	---	---	---	---	---	36.35	21.43	---	14.92	---	---
S-10	07/13/2004	770	1.5	<0.50	70	42	---	<0.50	---	---	---	---	---	---	36.35	21.68	---	14.67	---	---
S-10	10/28/2004	---	---	---	---	---	---	---	---	---	---	---	---	---	36.35	22.37	---	13.98	---	---
S-10	01/17/2005	1,100	1.5	<0.50	73	51	---	<0.50	---	---	---	---	---	---	36.35	21.45	---	14.90	---	---
S-10	04/14/2005	---	---	---	---	---	---	---	---	---	---	---	---	---	36.35	22.18	---	14.17	---	---
S-10	07/28/2005	260	<0.50	<0.50	19	9.7	---	<0.50	<5.0	<2.0	<2.0	<2.0	---	---	36.35	22.25	---	14.10	---	---
S-10	10/05/2005	---	---	---	---	---	---	---	---	---	---	---	---	---	36.35	21.70	---	14.65	---	---
S-10	02/09/2006	630	<0.500	<0.500	13.8	13.8	---	<0.500	---	---	---	---	---	---	36.35	20.37	---	15.98	---	---

TABLE 3

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
461 8TH STREET, OAKLAND, CALIFORNIA

Well ID	Date	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260 (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	EDC (µg/L)	EDB (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	SPH Thickness (ft)	GW Elevation (ft MSL)	DO (mg/L)	ORP (mV)
S-10	05/15/2006	---	---	---	---	---	---	---	---	---	---	---	---	---	36.35	21.31	---	15.04	---	---
S-10	08/23/2006	<50.0	<0.500	<0.500	14.5	3.4	---	<0.500	<10.0	<0.500	<0.500	<0.500	---	---	36.35	22.12	---	14.23	---	---
S-10	11/15/2006	---	---	---	---	---	---	---	---	---	---	---	---	---	36.35	22.68	---	13.67	---	---
S-10	01/30/2007	120	<0.50	<0.50	7.0	3.3	---	<0.50	---	---	---	---	---	---	36.35	23.09	---	13.26	---	---
S-10	05/29/2007	---	---	---	---	---	---	---	---	---	---	---	---	---	36.35	23.20	---	13.15	---	---
S-10	08/15/2007	64 f,g	0.15 h	<1.0	1.4	0.72 h	---	<1.0	<10	<2.0	<2.0	<2.0	---	---	36.35	23.48	---	12.87	---	---
S-10	11/28/2007	---	---	---	---	---	---	---	---	---	---	---	---	---	36.35	23.82	---	12.53	---	---
S-10	02/08/2008	61 f	<0.50	<1.0	<1.0	<1.0	---	<1.0	---	---	---	---	<0.50	<1.0	36.35	23.31	---	13.04	---	---
S-10	05/08/2008	---	---	---	---	---	---	---	---	---	---	---	---	---	36.35	23.55	---	12.80	---	---
S-10	08/14/2008	58	<0.50	<1.0	2.7	<1.0	---	<1.0	---	---	---	---	<0.50	<1.0	36.35	23.75	---	12.60	---	---
S-10	11/11/2008	---	---	---	---	---	---	---	---	---	---	---	---	---	36.35	23.08	---	13.27	---	---
S-10	12/18/2008	<50	<0.50	<1.0	<1.0	<1.0	---	---	---	---	---	---	---	---	36.35	24.00	---	12.35	---	---
S-10	01/05/2009	<50	<0.50	<1.0	<1.0	<1.0	---	---	---	---	---	---	---	---	36.35	23.87	---	12.48	---	---
S-10	01/15/2009	<50	<0.50	<1.0	1.1	<1.0	---	---	---	---	---	---	---	---	36.35	23.66	---	12.69	---	---
S-10	02/12/2009	56	<0.50	<1.0	3.4	<1.0	---	---	---	---	---	---	---	---	36.35	23.96	---	12.39	---	---
S-10	03/12/2009	53	<0.50	<1.0	4.9	<1.0	---	---	---	---	---	---	---	---	36.35	23.44	---	12.91	---	---
S-10	04/09/2009	---	---	---	---	---	---	---	---	---	---	---	---	---	36.35	23.26	---	13.09	---	---
S-10	07/23/2009	66	<0.50	<1.0	5.7	<1.0	---	---	---	---	---	---	---	---	36.35	23.56	---	12.79	0.06	112
S-10	10/01/2009	76	<0.50	<1.0	4.6	<1.0	---	---	---	---	---	---	---	---	36.35	23.80	---	12.55	1.26	206
S-10	01/28/2010	100	<0.50	<1.0	3.6	<1.0	---	---	---	---	---	---	---	---	36.35	23.30	---	13.05	---	---
S-10	05/20/2010	52	<0.50	<1.0	1.9	<1.0	---	---	---	---	---	---	---	---	36.35	24.04	---	12.31	0.68	59
S-10	08/31/2010	<50	0.69	<1.0	1.4	<1.0	---	<1.0	<10	<2.0	<2.0	<2.0	---	---	36.35	24.24	---	12.11	0.51	-3
S-10	12/29/2010	95	<0.50	<1.0	3.4	1.4	---	---	---	---	---	---	---	---	36.35	23.89	---	12.46	0.43	87
S-10	02/01/2011	69	<0.50	<0.50	2.2	<1.0	---	---	---	---	---	---	---	---	36.35	23.25	---	13.10	2.08	117
S-10	04/25/2011	55	0.51	<0.50	2.9	<1.0	---	---	---	---	---	---	---	---	36.35	21.87	---	14.48	1.32	21
S-10	07/28/2011	<50	<0.50	<1.0	0.92	<1.0	---	<1.0	<10	<1.0	<1.0	<1.0	---	---	36.35	21.39	---	14.96	0.32	227
S-10	10/28/2011	52	<0.50	<0.50	2.7	<1.0	---	---	---	---	---	---	---	---	36.35	21.68	---	14.67	2.68	327
S-10	05/07/2012	50	0.84	<0.50	1.5	<1.0	---	<0.50	<10	<0.50	<0.50	<0.50	---	---	36.35	22.00	---	14.35	2.51	220
S-10	05/02/2013	100	<0.50	<0.50	0.77	<1.0	---	<0.50	<10	<0.50	<0.50	<0.50	---	---	36.35	25.53	---	10.82	---	---
S-10	04/21/2014	180	<0.50	<0.50	0.71	<1.0	---	<0.50	<10	<0.50	<0.50	<0.50	---	---	36.35	26.20	---	10.15	---	---
S-12	12/17/2007	---	---	---	---	---	---	---	---	---	---	---	---	---	36.44	24.58	---	11.86	---	---
S-12	02/08/2008	55 f	<0.50	<1.0	<1.0	<1.0	---	<1.0	---	---	---	---	<0.50	<1.0	36.44	24.32	---	12.12	---	---
S-12	05/08/2008	<50 f	<0.50	<1.0	<1.0	<1.0	---	<1.0	---	---	---	---	<0.50	<1.0	36.44	24.51	---	11.93	---	---
S-12	08/14/2008	<50	1.0	<1.0	<1.0	<1.0	---	<1.0	---	---	---	---	<0.50	<1.0	36.44	24.63	---	11.81	---	---
S-12	11/11/2008	<50 i	0.95 i	<1.0 i	<1.0 i	<1.0 i	---	<1.0 i	---	---	---	---	<0.50 i	<1.0 i	36.44	24.85	---	11.59	0.2	37
S-12	11/11/2008	65 j	8.1 j	2.2 j	4.8 j	1.5 j	---	---	---	---	---	---	---	---	36.44	24.85	---	11.59	0.2	45
S-12	12/18/2008	<50	8.3	<1.0	1.8	<1.0	---	---	---	---	---	---	---	---	36.44	24.81	---	11.63	---	---
S-12	01/05/2009	95	16	<1.0	3.2	<1.0	---	---	---	---	---	---	---	---	36.44	24.75	---	11.69	---	---
S-12	01/15/2009	140	36	<1.0	12	<1.0	---	---	---	---	---	---	---	---	36.44	24.54	---	11.90	---	---
S-12	02/12/2009	<50	5.0	<1.0	1.6	<1.0	---	---	---	---	---	---	---	---	36.44	24.81	---	11.63	---	---
S-12	03/12/2009	<50	4.8	<1.0	1.5	<1.0	---	---	---	---	---	---	---	---	36.44	24.41	---	12.03	---	---

TABLE 3

**GROUNDWATER DATA
FORMER SHELL SERVICE STATION
461 8TH STREET, OAKLAND, CALIFORNIA**

<i>Well ID</i>	<i>Date</i>	<i>TPHg</i> (<i>µg/L</i>)	<i>B</i> (<i>µg/L</i>)	<i>T</i> (<i>µg/L</i>)	<i>E</i> (<i>µg/L</i>)	<i>X</i> (<i>µg/L</i>)	<i>MTBE</i> <i>8020</i> (<i>µg/L</i>)	<i>MTBE</i> <i>8260</i> (<i>µg/L</i>)	<i>TBA</i> (<i>µg/L</i>)	<i>DIPE</i> (<i>µg/L</i>)	<i>ETBE</i> (<i>µg/L</i>)	<i>TAME</i> (<i>µg/L</i>)	<i>EDC</i> (<i>µg/L</i>)	<i>EDB</i> (<i>µg/L</i>)	<i>TOC</i> (<i>ft MSL</i>)	<i>Depth to</i> <i>Water</i> (<i>ft TOC</i>)	<i>SPH</i> <i>Thickness</i> (<i>ft</i>)	<i>GW</i> <i>Elevation</i> (<i>ft MSL</i>)	<i>DO</i> (<i>mg/L</i>)	<i>ORP</i> (<i>mV</i>)
S-12	04/09/2009	59	6.0	<1.0	1.6	<1.0	---	---	---	---	---	---	---	---	36.44	24.23	---	12.21	0.50	-3
S-12	07/23/2009	130	29	<1.0	13	<1.0	---	---	---	---	---	---	---	---	36.44	24.50	---	11.94	0.07	142
S-12	10/01/2009	130	25	<1.0	15	<1.0	---	---	---	---	---	---	---	---	36.44	24.76	---	11.68	0.74	135
S-12	01/28/2010	110	14	<1.0	19	<1.0	---	---	---	---	---	---	---	---	36.44	24.28	---	12.16	---	---
S-12	05/20/2010	75	8.5	<1.0	7.0	<1.0	---	---	---	---	---	---	---	---	36.44	24.71	---	11.73	0.14	740
S-12	08/31/2010	<50	0.56	<1.0	<1.0	<1.0	---	---	---	---	---	---	---	---	36.44	25.08	---	11.36	1.18	180
S-12	12/29/2010	<50	0.98	<1.0	<1.0	<1.0	---	---	---	---	---	---	---	---	36.44	24.60	---	11.84	1.27	121
S-12	02/01/2011	<50	1.8	<0.50	2.8	<1.0	---	---	---	---	---	---	---	---	36.44	23.94	---	12.50	2.06	-2
S-12	04/25/2011	<50	0.82	<0.50	1.7	<1.0	---	---	---	---	---	---	---	---	36.44	22.53	---	13.91	0.28	196
S-12	07/28/2011	<50	0.96	<0.50	2.8	<1.0	---	---	---	---	---	---	---	---	36.44	22.05	---	14.39	3.01	163
S-12	10/28/2011	99	15	<0.50	14	<1.0	---	---	---	---	---	---	---	---	36.44	22.50	---	13.94	3.67	91
S-12	05/07/2012	180	25	<0.50	19	1.0	---	---	---	---	---	---	---	---	36.44	22.50	---	13.94	0.88	66
S-12	05/02/2013	190	1.2	0.64	0.71	3.8	---	---	---	---	---	---	---	---	36.44	26.48	---	9.96	---	---
S-12	04/21/2014	1,100	5.0	3.3	9.5	38	---	---	---	---	---	---	---	---	36.44	27.08	---	9.36	---	---
S-13	12/17/2007	---	---	---	---	---	---	---	---	---	---	---	---	---	35.16	23.33	---	11.83	---	---
S-13	02/08/2008	14,000 f	1,900	1,300	280	3,000	---	<10	---	---	---	---	<5.0	<10	35.16	23.01	---	12.15	---	---
S-13	05/08/2008	18,000 f	2,800	3,400	550	3,500	---	<10	---	---	---	---	<5.0	<10	35.16	23.31	---	11.85	---	---
S-13	08/14/2008	16,000	2,400	3,100	580	3,100	---	<20	---	---	---	---	<10	<20	35.16	23.31	---	11.85	---	---
S-13	11/11/2008	16,000 i	2,400 i	2,800 i	270 i	2,500 i	---	<50 i	---	---	---	---	<25 i	<50 i	35.16	23.60	---	11.56	0.8	-48
S-13	11/11/2008	4,400 j	560 j	630 j	88 j	530 j	---	---	---	---	---	---	---	---	35.16	23.60	---	11.56	1.2	-60
S-13	12/18/2008	3,900	530	560	76	510	---	---	---	---	---	---	---	---	35.05	23.61	---	11.44	---	---
S-13	01/05/2009	8,200	700	670	67	1,000	---	---	---	---	---	---	---	---	35.05	23.54	---	11.51	---	---
S-13	01/15/2009	5,400	610	610	48	950	---	---	---	---	---	---	---	---	35.05	23.10	---	11.95	---	---
S-13	02/12/2009	6,300	800	1,000	110	870	---	---	---	---	---	---	---	---	35.05	22.36	---	12.69	---	---
S-13	03/12/2009	14,000	1,700	2,300	190	2,400	---	---	---	---	---	---	---	---	35.05	23.20	---	11.85	---	---
S-13	04/09/2009	35,000	510	7,800	1,000	4,300	---	---	---	---	---	---	---	---	35.05	23.02	---	12.03	25.9	433
S-13	05/18/2009	35,000	820	7,000	1,100	6,600	---	---	---	---	---	---	---	---	35.05	23.07	---	11.98	5.21	83
S-13	07/23/2009	18,000	1,800	3,000	480	2,500	---	---	---	---	---	---	---	---	35.05	23.51	---	11.54	1.23	148
S-13	10/01/2009	2,000	330	87	33	5.2	---	---	---	---	---	---	---	---	35.05	23.61	---	11.44	1.23	413
S-13	11/09/2009	15,000	1,100	1,500	300	1,800	---	---	---	---	---	---	---	---	35.05	23.41	---	11.64	0.71	---
S-13	12/01/2009	1,600	210	190	34	36	---	---	---	---	---	---	---	---	35.05	23.15	---	11.90	16.3	231
S-13	01/28/2010	5,900	370	930	100	680	---	---	---	---	---	---	---	---	35.05	22.94	---	12.11	2.18	---
S-13	05/20/2010	400	35	120	9.5	52	---	---	---	---	---	---	---	---	35.05	23.36	---	11.69	0.31	211
S-13	06/22/2010	16,000	570	3,000	260	2,000	---	---	---	---	---	---	---	---	35.05	23.20	---	11.85	1.10	412
S-13	08/31/2010	3,000	140	490	83	540	---	---	---	---	---	---	---	---	35.05	24.00	---	11.05	0.90	400
S-13	12/29/2010	8,700	600	1,700	260	1,700	---	---	---	---	---	---	---	---	35.05	23.48	---	11.57	0.69	231
S-13	02/01/2011	2,100	170	390	75	410	---	---	---	---	---	---	---	---	35.05	22.71	---	12.34	1.10	248
S-13	04/25/2011	6,000	600	1,800	270	1,300	---	---	---	---	---	---	---	---	35.05	21.15	---	13.90	0.19	69
S-13	07/28/2011	3,700	320	430	160	790	---	---	---	---	---	---	---	---	35.05	20.64	---	14.41	2.65	44
S-13	10/28/2011	8,100	600	830	380	1,700	---	---	---	---	---	---	---	---	35.05	21.47	---	13.58	3.67	1
S-13	05/07/2012	5,100	540	670	320	1,100	---	---	---	---	---	---	---	---	35.05	21.35	---	13.70	0.60	-176

TABLE 3

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
461 8TH STREET, OAKLAND, CALIFORNIA

Well ID	Date	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260 (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	EDC (µg/L)	EDB (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	SPH Thickness (ft)	GW Elevation (ft MSL)	DO (mg/L)	ORP (mV)
S-13	12/11/2012	5,900	420	580	260	950	---	---	---	---	---	---	---	---	35.05	22.91	---	12.14	1.07/0.80	-70/-63
S-13	05/02/2013	1,300	130	95	49	85	---	---	---	---	---	---	---	---	35.05	25.24	---	9.81	---	---
S-13	11/07/2013	---	---	---	---	---	---	---	---	---	---	---	---	---	35.05	k	k	k	---	---
S-13	03/14/2014	---	---	---	---	---	---	---	---	---	---	---	---	---	35.05	26.22	0.25	9.03	---	---
S-13	04/21/2014	---	---	---	---	---	---	---	---	---	---	---	---	---	35.05	26.09	0.39	9.27	---	---
S-13	07/31/2014	---	---	---	---	---	---	---	---	---	---	---	---	---	35.05	25.25	---	9.80	---	---
S-13	09/22/2014	---	---	---	---	---	---	---	---	---	---	---	---	---	35.05	25.31	---	9.74	---	---
S-13	10/03/2014	---	---	---	---	---	---	---	---	---	---	---	---	---	35.05	25.35	---	9.70	---	---
S-13	10/10/2014	---	---	---	---	---	---	---	---	---	---	---	---	---	35.05	25.33	---	9.72	---	---
S-13	10/17/2014	---	---	---	---	---	---	---	---	---	---	---	---	---	35.05	25.31	---	9.74	---	---
S-13	10/24/2014	Well inaccessible			---	---	---	---	---	---	---	---	---	---	35.05	---	---	---	---	---
S-13	11/21/2014	7,000	330	270	120	590	---	---	---	---	---	---	---	---	35.05	25.35	---	9.70	---	---
S-13	11/21/2014	7,000	330	270	120	590	---	---	---	---	---	---	---	---	35.05	18.33	---	16.72	---	---
S-14	12/17/2007	---	---	---	---	---	---	---	---	---	---	---	---	---	34.94	22.68	---	12.26	---	---
S-14	02/08/2008	5,300 f	380	300	34	970	---	<10	---	---	---	---	<5.0	<10	34.94	22.82	---	12.12	---	---
S-14	05/08/2008	4,300 f	750	270	30	520	---	<10	---	---	---	---	<5.0	<10	34.94	22.41	---	12.53	---	---
S-14	Well destroyed	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
S-14R	11/07/2008	---	---	---	---	---	---	---	---	---	---	---	---	---	35.19	22.91	---	12.28	---	---
S-14R	11/11/2008	8,500 i	680 i	270 i	<25 i	1,110 i	---	---	---	---	---	---	---	---	35.19	23.13	---	12.06	0.60	115
S-14R	11/11/2008	4,300 j	270 j	190 j	43 j	470 j	---	---	---	---	---	---	---	---	35.19	23.13	---	12.06	1.5	116
S-14R	12/18/2008	7,800	530	640	79	1,010	---	---	---	---	---	---	---	---	34.95	22.80	---	12.15	---	---
S-14R	01/05/2009	2,100	89	86	19	140	---	---	---	---	---	---	---	---	34.95	22.80	---	12.15	---	---
S-14R	01/15/2009	4,800	430	540	83	730	---	---	---	---	---	---	---	---	34.95	22.57	---	12.38	---	---
S-14R	02/12/2009	1,000	40	29	7.3	55	---	---	---	---	---	---	---	---	34.95	22.89	---	12.06	---	---
S-14R	03/12/2009	350	22	18	3.3	29	---	---	---	---	---	---	---	---	34.95	22.39	---	12.56	---	---
S-14R	04/09/2009	2,300	230	240	47	250	---	---	---	---	---	---	---	---	34.95	22.35	---	12.60	0.30	430
S-14R	05/18/2009	750	51	48	17	67	---	---	---	---	---	---	---	---	34.95	22.20	---	12.75	5.63	93
S-14R	07/23/2009	600	81	57	19	47	---	---	---	---	---	---	---	---	34.95	22.56	---	12.39	0.05	246
S-14R	10/01/2009	230	12	10	5.3	23	---	---	---	---	---	---	---	---	34.95	22.90	---	12.05	2.22	201
S-14R	11/09/2009	330	47	21	11	39	---	---	---	---	---	---	---	---	34.95	22.68	---	12.27	0.75	---
S-14R	12/01/2009	420	38	27	12	39	---	---	---	---	---	---	---	---	34.95	22.62	---	12.33	0.45	110
S-14R	01/28/2010	270	45	27	11	32	---	---	---	---	---	---	---	---	34.95	22.38	---	12.57	3.75	---
S-14R	05/20/2010	330	17	10	2.7	13	---	---	---	---	---	---	---	---	34.95	22.72	---	12.23	0.96	102
S-14R	08/31/2010	130	5.8	3.5	1.4	6.1	---	---	---	---	---	---	---	---	34.95	23.12	---	11.83	1.55	-13
S-14R	12/29/2010	480	56	30	13	52	---	---	---	---	---	---	---	---	34.95	22.75	---	12.20	0.48	375
S-14R	02/01/2011	570	56	32	20	59	---	---	---	---	---	---	---	---	34.95	22.10	---	12.85	0.58	143
S-14R	04/25/2011	860	100	59	41	97	---	---	---	---	---	---	---	---	34.95	20.80	---	14.15	0.81	-37
S-14R	07/28/2011	970	100	80	51	110	---	---	---	---	---	---	---	---	34.95	20.36	---	14.59	0.56	151
S-14R	10/28/2011	420	47	38	25	67	---	---	---	---	---	---	---	---	34.95	20.68	---	14.27	3.97	321
S-14R	05/07/2012	630	68	62	40	120	---	---	---	---	---	---	---	---	34.95	20.77	---	14.18	2.47	238

TABLE 3

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
461 8TH STREET, OAKLAND, CALIFORNIA

Well ID	Date	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260 (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	EDC (µg/L)	EDB (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	SPH Thickness (ft)	GW Elevation (ft MSL)	DO (mg/L)	ORP (mV)
S-14R	05/02/2013	3,200	200	130	95	200	---	---	---	---	---	---	---	---	34.95	24.49	---	10.46	---	---
S-14R	04/21/2014	3,700	190	160	99	290	---	---	---	---	---	---	---	---	34.95	24.99	---	9.96	---	---
S-15	12/17/2007	---	---	---	---	---	---	---	---	---	---	---	---	---	35.34	23.00	---	12.34	---	---
S-15	02/08/2008	55,000 f	6,700	13,000	1,100	9,800	---	<10	---	---	---	---	<5.0	<10	35.34	22.71	---	12.63	---	---
S-15	05/08/2008	53,000 f	6,300	13,000	1,500	7,500	---	<200	---	---	---	---	<100	<200	35.34	22.91	---	12.43	---	---
S-15	Well destroyed	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
S-16	12/17/2007	---	---	---	---	---	---	---	---	---	---	---	---	---	36.08	23.88	---	12.20	---	---
S-16	02/08/2008	6,000 f	670	730	88	1,290	---	<5.0	---	---	---	---	<2.5	<5.0	36.08	23.52	---	12.56	---	---
S-16	05/08/2008	3,200 f	670	320	18	580	---	<10	---	---	---	---	<5.0	<10	36.08	23.69	---	12.39	---	---
S-16	Well destroyed	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
S-17	06/19/2008	---	---	---	---	---	---	---	---	---	---	---	---	---	35.49	23.30	---	12.19	---	---
S-17	06/25/2008	21,000	1,300	1,300	160	2,850	---	<5.0	---	---	---	---	<2.5	<5.0	35.49	23.33	---	12.16	---	---
S-17	08/14/2008	14,000	1,700	1,700	310	2,250	---	<10	---	---	---	---	<5.0	<10	35.49	23.50	---	11.99	---	---
S-17	11/11/2008	7,200 i	1,600 i	820 i	140 i	760 i	---	<5.0 i	---	---	---	---	<2.5 i	<5.0 i	35.49	23.70	---	11.79	---	---
S-17	11/11/2008	32,000 j	2,500 j	3,100 j	820 j	4,000 j	---	<25 j	---	---	---	---	<12 j	<25 j	35.49	23.70	---	11.79	---	---
S-17	01/05/2009	15,000	790	700	150	1,200	---	<10	---	---	---	---	<5.0	<10	35.50	23.66	---	11.84	---	---
S-17	01/15/2009	2,300	220	170	19	300	---	---	---	---	---	---	---	---	35.50	23.37	---	12.13	---	---
S-17	02/12/2009	4,700	750	200	37	23	---	---	---	---	---	---	---	---	35.50	23.66	---	11.84	---	---
S-17	03/12/2009	3,300	640	370	81	290	---	---	---	---	---	---	---	---	35.50	23.24	---	12.26	---	---
S-17	04/09/2009	1,300	200	110	37	100	---	---	---	---	---	---	---	---	35.50	23.20	---	12.30	0.69	429
S-17	05/18/2009	630	97	44	17	25	---	---	---	---	---	---	---	---	35.50	23.21	---	12.29	5.93	442
S-17	07/23/2009	3,900	480	410	160	480	---	---	---	---	---	---	---	---	35.50	23.70	---	11.80	0.15	34
S-17	10/01/2009	1,300	32	24	3.1	72	---	---	---	---	---	---	---	---	35.50	23.64	---	11.86	1.30	204
S-17	11/09/2009	5,300	260	330	56	500	---	---	---	---	---	---	---	---	35.50	23.52	---	11.98	0.18	---
S-17	12/01/2009	3,300	190	210	52	240	---	---	---	---	---	---	---	---	35.50	23.41	---	12.09	0.95	450
S-17	01/28/2010	3,500	260	250	85	310	---	---	---	---	---	---	---	---	35.50	23.21	---	12.29	1.93	---
S-17	05/20/2010	370	18	<1.0	<1.0	<1.0	---	---	---	---	---	---	---	---	35.50	23.65	---	11.85	1.31	544
S-17	08/31/2010	1,900	120	110	52	260	---	---	---	---	---	---	---	---	35.50	23.92	---	11.58	1.32	370
S-17	12/29/2010	2,600	200	150	91	280	---	---	---	---	---	---	---	---	35.50	23.60	---	11.90	1.37	131
S-17	02/01/2011	950	100	72	47	130	---	---	---	---	---	---	---	---	35.50	22.91	---	12.59	1.40	136
S-17	04/25/2011	2,000	150	71	77	210	---	---	---	---	---	---	---	---	35.50	21.44	---	14.06	0.23	82
S-17	07/28/2011	3,400	270	98	170	370	---	---	---	---	---	---	---	---	35.50	21.06	---	14.44	1.45	70
S-17	10/28/2011	270	58	5.3	23	28	---	---	---	---	---	---	---	---	35.50	21.51	---	13.99	1.19	221
S-17	05/07/2012	980	110	3.6	66	100	---	---	---	---	---	---	---	---	35.50	21.50	---	14.00	0.62	84
S-17	05/02/2013	570	62	20	19	49	---	---	---	---	---	---	---	---	35.50	25.49	---	10.01	---	---
S-17	04/21/2014	2,500	140	120	98	310	---	---	---	---	---	---	---	---	35.50	25.91	---	9.59	---	---
S-18	06/19/2008	---	---	---	---	---	---	---	---	---	---	---	---	---	35.04	22.94	---	12.10	---	---
S-18	06/25/2008	58,000	2,200	5,600	880	10,200	---	<10	---	---	---	---	<5.0	<10	35.04	22.92	---	12.12	---	---

TABLE 3

**GROUNDWATER DATA
FORMER SHELL SERVICE STATION
461 8TH STREET, OAKLAND, CALIFORNIA**

Well ID	Date	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260 (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	EDC (µg/L)	EDB (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	SPH Thickness (ft)	GW Elevation (ft MSL)	DO (mg/L)	ORP (mV)
S-18	08/14/2008	25,000	2,500	4,500	860	5,800	---	<50	---	---	---	---	<25	<50	35.04	23.08	---	11.96	---	---
S-18	11/11/2008	24,000 i	2,400 i	3,300 i	820 i	3,800 i	---	<25 i	---	---	---	---	<12 i	<25 i	35.04	23.30	---	11.74	---	---
S-18	11/11/2008	43,000 j	3,900 j	5,500 j	1,300 j	6,500 j	---	<50 j	---	---	---	---	<25 j	<50 j	35.04	23.30	---	11.74	---	---
S-18	01/05/2009	20,000	830	1,000	290	1,400	---	<50	---	---	---	---	<25	<50	35.03	23.16	---	11.87	---	---
S-18	01/15/2009	8,200	690	790	150	1,230	---	---	---	---	---	---	---	---	35.03	22.97	---	12.06	---	---
S-18	02/12/2009	13,000	1,200	1,400	330	940	---	---	---	---	---	---	---	---	35.03	23.29	---	11.74	---	---
S-18	03/12/2009	52,000	5,300	9,000	1,600	10,000	---	---	---	---	---	---	---	---	35.03	22.85	---	12.18	---	---
S-18	04/09/2009	Insufficient water		---	---	---	---	---	---	---	---	---	---	---	35.03	22.79	---	12.24	---	---
S-18	05/18/2009	6,700	320	1,100	200	1,000	---	---	---	---	---	---	---	---	35.03	22.81	---	12.22	6.51	377
S-18	07/23/2009	8,900	500	890	290	1,600	---	---	---	---	---	---	---	---	35.03	22.91	---	12.12	0.20	---
S-18	10/01/2009	1,800	49	5.5	5.3	<5.0	---	---	---	---	---	---	---	---	35.03	23.65	---	11.38	6.25	557
S-18	11/09/2009	1,100	79	8.9	5.3	1.1	---	---	---	---	---	---	---	---	35.03	23.19	---	11.84	0.26	---
S-18	12/01/2009	570	50	7.5	2.7	1.2	---	---	---	---	---	---	---	---	35.03	23.12	---	11.91	4.07	460
S-18	01/28/2010	1,200	170	91	18	68	---	---	---	---	---	---	---	---	35.03	22.86	---	12.17	1.90	---
S-18	05/20/2010	3,900	500	690	79	240	---	---	---	---	---	---	---	---	35.03	23.12	---	11.91	1.77	169
S-18	06/22/2010	13,000	1,700	2,800	200	1,000	---	---	---	---	---	---	---	---	35.03	23.10	---	11.93	0.58	499
S-18	08/31/2010	6,600	970	1,100	230	1,000	---	---	---	---	---	---	---	---	35.03	23.55	---	11.48	1.23	258
S-18	12/29/2010	8,500	1,000	750	410	1,800	---	---	---	---	---	---	---	---	35.03	23.23	---	11.80	0.79	70
S-18	02/01/2011	2,100	210	190	87	180	---	---	---	---	---	---	---	---	35.03	22.52	---	12.51	1.13	220
S-18	04/25/2011	13,000	2,100	2,000	470	2,300	---	---	---	---	---	---	---	---	35.03	21.00	---	14.03	0.52	85
S-18	07/28/2011	8,200	1,200	1,000	290	1,200	---	---	---	---	---	---	---	---	35.03	20.56	---	14.47	1.57	27
S-18	10/28/2011	9,000	1,200	480	430	1,900	---	---	---	---	---	---	---	---	35.03	21.11	---	13.92	1.45	147
S-18	05/07/2012	4,700	710	310	310	870	---	---	---	---	---	---	---	---	35.03	21.20	---	13.83	0.55	-68
S-18	05/02/2013	5,000	720	280	220	480	---	---	---	---	---	---	---	---	35.03	24.95	---	10.08	---	---
S-18	04/21/2014	1,400	240	190	70	230	---	---	---	---	---	---	---	---	35.03	25.61	---	9.42	---	---
S-19	11/07/2008	---	---	---	---	---	---	---	---	---	---	---	---	---	34.78	22.73	---	12.05	---	---
S-19	11/11/2008	7,100 i	500 i	600 i	25 i	1,010 i	---	---	---	---	---	---	---	---	34.78	22.87	---	11.91	1.0	62
S-19	11/11/2008	2,300 j	110 j	160 j	43 j	280 j	---	---	---	---	---	---	---	---	34.78	22.87	---	11.91	1.3	71
S-19	12/18/2008	2,900	190	300	41	420	---	---	---	---	---	---	---	---	34.57	22.60	---	11.97	---	---
S-19	01/05/2009	3,400	230	250	50	380	---	---	---	---	---	---	---	---	34.57	22.56	---	12.01	---	---
S-19	01/15/2009	3,100	340	540	70	440	---	---	---	---	---	---	---	---	34.57	22.31	---	12.26	---	---
S-19	02/12/2009	1,300	130	180	37	190	---	---	---	---	---	---	---	---	34.57	22.58	---	11.99	---	---
S-19	03/12/2009	880	110	150	30	160	---	---	---	---	---	---	---	---	34.57	22.44	---	12.13	---	---
S-19	04/09/2009	1,300	140	190	32	190	---	---	---	---	---	---	---	---	34.57	22.02	---	12.55	0.57	106
S-19	05/18/2009	780	69	87	17	100	---	---	---	---	---	---	---	---	34.57	22.04	---	12.53	6.47	75
S-19	07/23/2009	400	77	59	15	38	---	---	---	---	---	---	---	---	34.57	22.40	---	12.17	0.06	31
S-19	10/01/2009	1,500	160	170	33	120	---	---	---	---	---	---	---	---	34.57	22.66	---	11.91	0.52	301
S-19	11/09/2009	1,600	140	160	41	160	---	---	---	---	---	---	---	---	34.57	22.44	---	12.13	0.26	---
S-19	12/01/2009	1,600	150	180	45	170	---	---	---	---	---	---	---	---	34.57	22.62	---	11.95	0.79	161
S-19	01/28/2010	2,600	230	280	71	300	---	---	---	---	---	---	---	---	34.57	22.29	---	12.28	1.71	---
S-19	05/20/2010	850	110	55	11	4.6	---	---	---	---	---	---	---	---	34.57	22.49	---	12.08	1.77	118

TABLE 3

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
461 8TH STREET, OAKLAND, CALIFORNIA

Well ID	Date	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260 (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	EDC (µg/L)	EDB (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	SPH Thickness (ft)	GW Elevation (ft MSL)	DO (mg/L)	ORP (mV)
S-19	08/31/2010	580	79	92	22	50	---	---	---	---	---	---	---	---	34.57	22.86	---	11.71	1.02	297
S-19	12/29/2010	920	120	120	54	150	---	---	---	---	---	---	---	---	34.57	22.48	---	12.09	1.12	150
S-19	02/01/2011	1,800	210	270	100	320	---	---	---	---	---	---	---	---	34.57	21.78	---	12.79	1.08	21
S-19	04/25/2011	2,100	290	360	140	470	---	---	---	---	---	---	---	---	34.57	20.42	---	14.15	0.25	115
S-19	07/28/2011	2,400	240	380	140	450	---	---	---	---	---	---	---	---	34.57	20.16	---	14.41	1.17	80
S-19	10/28/2011	3,600	210	420	190	750	---	---	---	---	---	---	---	---	34.57	20.41	---	14.16	1.73	160
S-19	05/07/2012	3,400	220	480	210	880	---	---	---	---	---	---	---	---	34.57	20.51	---	14.06	2.54	244
S-19	12/11/2012	1,700	110	240	100	440	---	---	---	---	---	---	---	---	34.57	22.05	---	12.52	0.89/2.21	81/52
S-19	05/02/2013	1,500	88	89	55	160	---	---	---	---	---	---	---	---	34.57	24.15	---	10.42	---	---
S-19	11/07/2013	170,000	1,200	7,300	3,800	22,000	---	---	---	---	---	---	---	---	34.57	k	k	k	---	---
S-19	04/21/2014	32,000	580	1,400	940	4,300	---	---	---	---	---	---	---	---	34.57	24.95	---	9.62	---	---
S-19	07/31/2014	---	---	---	---	---	---	---	---	---	---	---	---	---	34.57	24.22	0.20	10.51	---	---
S-19	11/21/2014	25,000	420	880	550	2,500	---	---	---	---	---	---	---	---	34.57	24.40	---	10.17	---	---
S-20	11/07/2008	---	---	---	---	---	---	---	---	---	---	---	---	---	34.50	22.80	---	11.70	---	---
S-20	11/11/2008	13,000 i	1,300 i	1,600 i	80 i	1,920 i	---	---	---	---	---	---	---	---	34.50	22.90	---	11.60	0.8	-39
S-20	11/11/2008	16,000 j	1,100 j	1,800 j	220 j	1,930 j	---	---	---	---	---	---	---	---	34.50	22.90	---	11.60	2.6	-64
S-20	01/05/2009	17,000	1,500	1,700	320	1,900	---	---	---	---	---	---	---	---	34.50	22.78	---	11.72	---	---
S-20	02/12/2009	11,000	1,300	1,400	230	1,600	---	---	---	---	---	---	---	---	34.50	22.80	---	11.70	2.6	-64
S-20	03/12/2009	19,000	2,700	3,200	390	3,100	---	---	---	---	---	---	---	---	34.50	22.40	---	12.10	---	---
S-20	04/09/2009	8,200	80	480	220	490	---	---	---	---	---	---	---	---	34.50	22.90	---	11.60	13.80	578
S-20	05/18/2009	21,000	970	1,500	630	4,800	---	---	---	---	---	---	---	---	34.50	22.42	---	12.08	4.58	197
S-20	07/23/2009	41,000	4,900	2,900	990	7,300	---	---	---	---	---	---	---	---	34.50	22.73	---	11.77	0.27	419
S-20	10/01/2009	1,800	140	39	33	39	---	---	---	---	---	---	---	---	34.50	23.00	---	11.50	0.85	533
S-20	11/09/2009	21,000	1,600	740	300	2,500	---	---	---	---	---	---	---	---	34.50	22.72	---	11.78	1.67	---
S-20	12/01/2009	12,000	1,100	450	160	1,200	---	---	---	---	---	---	---	---	34.50	22.61	---	11.89	1.38	347
S-20	01/28/2010	20,000	2,000	1,600	260	2,000	---	---	---	---	---	---	---	---	34.50	22.51	---	11.99	4.40	---
S-20	05/20/2010	4,300	1,100	110	26	61	---	---	---	---	---	---	---	---	34.50	22.90	---	11.60	8.96	555
S-20	06/22/2010	7,100	1,300	550	120	550	---	---	---	---	---	---	---	---	34.50	23.19	---	11.31	11.64	637
S-20	08/31/2010	9,600	1,800	1,400	230	580	---	---	---	---	---	---	---	---	34.50	23.13	---	11.37	0.94	529
S-20	12/29/2010	19,000	2,000	3,100	860	3,200	---	---	---	---	---	---	---	---	34.50	22.72	---	11.78	0.92	193
S-20	02/01/2011	26,000	3,900	7,100	1,300	5,800	---	---	---	---	---	---	---	---	34.50	22.04	---	12.46	1.03	390
S-20	04/25/2011	41,000	6,600	11,000	2,000	9,800	---	---	---	---	---	---	---	---	34.50	20.60	---	13.90	0.43	156
S-20	07/28/2011	34,000	4,200	5,300	1,400	6,300	---	---	---	---	---	---	---	---	34.50	20.30	---	14.20	1.25	-15
S-20	10/28/2011	17,000	1,500	1,900	1,000	3,400	---	---	---	---	---	---	---	---	34.50	20.78	---	13.72	1.28	431
S-20	05/07/2012	9,900	760	1,200	790	2,000	---	---	---	---	---	---	---	---	34.50	20.54	---	13.96	1.92	-106
S-20	12/11/2012	9,700	630	1,000	720	1,500	---	---	---	---	---	---	---	---	34.50	22.29	---	12.21	0.82/1.67	-11/-43
S-20	05/02/2013	4,500	380	220	240	300	---	---	---	---	---	---	---	---	34.50	24.50	---	10.00	---	---
S-20	11/07/2013	4,000	420	290	60	330	---	---	---	---	---	---	---	---	34.50	25.24	---	9.26	---	---
S-20	04/21/2014	3,800	480	350	50	350	---	---	---	---	---	---	---	---	34.50	25.15	---	9.35	---	---
S-20	11/21/2014	4,800	560	340	98	430	---	---	---	---	---	---	---	---	34.50	24.54	---	9.96	---	---

TABLE 3

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
461 8TH STREET, OAKLAND, CALIFORNIA

Well ID	Date	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260 (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	EDC (µg/L)	EDB (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	SPH Thickness (ft)	GW Elevation (ft MSL)	DO (mg/L)	ORP (mV)
S-21A	11/07/2008	---	---	---	---	---	---	---	---	---	---	---	---	---	35.81	23.73	---	12.08	---	---
S-21A	11/11/2008	96,000 i	6,100 i	11,000 i	1,700 i	10,500 i	---	---	---	---	---	---	---	---	35.81	23.86	---	11.95	1.6	-42
S-21A	11/11/2008	87,000 j	6,300 j	13,000 j	1,700 j	10,300 j	---	---	---	---	---	---	---	---	35.81	23.86	---	11.95	1.8	-51
S-21A	12/18/2008	17,000	3,700	1,200	170	47	---	---	---	---	---	---	---	---	35.80	23.91	---	11.89	---	---
S-21A	01/05/2009	28,000	3,100	2,900	450	1,100	---	---	---	---	---	---	---	---	35.80	23.78	---	12.02	---	---
S-21A	01/15/2009	9,700	2,100	290	45	<25	---	---	---	---	---	---	---	---	35.80	23.53	---	12.27	---	---
S-21A	02/12/2009	19,000	3,100	2,500	330	500	---	---	---	---	---	---	---	---	35.80	23.83	---	11.97	---	---
S-21A	03/12/2009	31,000	2,600	3,800	810	3,700	---	---	---	---	---	---	---	---	35.80	23.35	---	12.45	---	---
S-21A	04/09/2009	7,800	700	750	130	<25	---	---	---	---	---	---	---	---	35.80	24.00	---	11.80	0.91	304
S-21A	05/18/2009	15,000	1,800	2,200	390	1,900	---	---	---	---	---	---	---	---	35.80	23.46	---	12.34	2.37	529
S-21A	07/23/2009	51,000	4,800	7,100	1,100	7,000	---	---	---	---	---	---	---	---	35.80	23.85	---	11.95	0.14	-3
S-21A	10/01/2009	18,000	2,300	2,200	310	2,400	---	---	---	---	---	---	---	---	35.80	24.06	---	11.74	7.92	575
S-21A	11/09/2009	41,000	3,500	5,800	600	4,800	---	---	---	---	---	---	---	---	35.80	23.73	---	12.07	0.34	---
S-21A	12/01/2009	43,000	3,100	6,700	640	4,900	---	---	---	---	---	---	---	---	35.80	23.60	---	12.20	2.55	350
S-21A	01/28/2010	65,000	3,900	9,900	970	6,600	---	---	---	---	---	---	---	---	35.80	23.54	---	12.26	1.43	---
S-21A	05/20/2010	6,000	670	760	110	150	---	---	---	---	---	---	---	---	35.80	23.92	---	11.88	1.37	541
S-21A	06/22/2010	16,000	690	2,000	370	2,300	---	---	---	---	---	---	---	---	35.80	23.87	---	11.93	2.33	439
S-21A	08/31/2010	5,000	230	420	190	990	---	---	---	---	---	---	---	---	35.80	24.13	---	11.67	0.73	392
S-21A	12/29/2010	5,100	500	430	230	810	---	---	---	---	---	---	---	---	35.80	23.84	---	11.96	0.95	464
S-21A	02/01/2011	9,200	840	750	370	1,300	---	---	---	---	---	---	---	---	35.80	23.18	---	12.62	0.84	110
S-21A	04/25/2011	22,000	3,800	4,000	960	4,800	---	---	---	---	---	---	---	---	35.80	21.71	---	14.09	0.36	336
S-21A	07/28/2011	27,000	3,400	3,600	1,000	4,300	---	---	---	---	---	---	---	---	35.80	21.48	---	14.32	1.02	223
S-21A	10/28/2011	20,000	2,400	3,000	840	3,600	---	---	---	---	---	---	---	---	35.80	21.65	---	14.15	2.06	213
S-21A	05/07/2012	12,000	2,200	1,900	510	2,100	---	---	---	---	---	---	---	---	35.80	21.90	---	13.90	1.01	107
S-21A	12/11/2012	13,000	3,300	2,200	610	1,300	---	---	---	---	---	---	---	---	35.80	22.60	---	13.20	1.35/1.49	82/80
S-21A	05/02/2013	6,800	1,000	470	270	480	---	---	---	---	---	---	---	---	35.80	25.48	---	10.32	---	---
S-21A	11/07/2013	32,000	4,100	3,000	940	2,900	---	---	---	---	---	---	---	---	35.80	26.28	---	9.52	---	---
S-21A	04/21/2014	Insufficient water		---	---	---	---	---	---	---	---	---	---	---	35.80	26.29	---	9.51	---	---
S-21A	11/21/2014	37,000	6,000	3,900	1,100	3,500	---	---	---	---	---	---	---	---	35.80	25.81	---	9.99	---	---
S-21B	11/07/2008	---	---	---	---	---	---	---	---	---	---	---	---	---	35.79	23.68	---	12.11	---	---
S-21B	11/11/2008	3,200 i	49 i	300 i	93 i	510 i	---	---	---	---	---	---	---	---	35.79	23.80	---	11.99	0.4	-108
S-21B	11/11/2008	7,500 j	67 j	470 j	150 j	960 j	---	---	---	---	---	---	---	---	35.79	23.80	---	11.99	5.6	-135
S-21B	12/18/2008	5,300	36	310	120	770	---	---	---	---	---	---	---	---	35.76	23.72	---	12.04	---	---
S-21B	01/05/2009	5,400	35	200	93	600	---	---	---	---	---	---	---	---	35.76	23.70	---	12.06	---	---
S-21B	01/15/2009	3,300	30	150	78	470	---	---	---	---	---	---	---	---	35.76	23.43	---	12.33	---	---
S-21B	02/12/2009	2,800	12	100	69	450	---	---	---	---	---	---	---	---	35.76	23.81	---	11.95	---	---
S-21B	03/12/2009	2,300	9.4	72	50	320	---	---	---	---	---	---	---	---	35.76	23.32	---	12.44	---	---
S-21B	04/09/2009	890	14	55	19	140	---	---	---	---	---	---	---	---	35.76	23.20	---	12.56	0.56	453
S-21B	05/18/2009	390	6.8	14	12	27	---	---	---	---	---	---	---	---	35.76	23.24	---	12.52	1.62	458
S-21B	06/17/2009	---	---	---	---	---	---	---	---	---	---	---	---	---	35.76	23.40	---	12.36	---	---
S-21B	07/23/2009	920	5.0	17	28	120	---	---	---	---	---	---	---	---	35.76	23.52	---	12.24	0.26	37

TABLE 3

**GROUNDWATER DATA
FORMER SHELL SERVICE STATION
461 8TH STREET, OAKLAND, CALIFORNIA**

<i>Well ID</i>	<i>Date</i>	<i>TPHg (µg/L)</i>	<i>B (µg/L)</i>	<i>T (µg/L)</i>	<i>E (µg/L)</i>	<i>X (µg/L)</i>	<i>MTBE 8020 (µg/L)</i>	<i>MTBE 8260 (µg/L)</i>	<i>TBA (µg/L)</i>	<i>DIPE (µg/L)</i>	<i>ETBE (µg/L)</i>	<i>TAME (µg/L)</i>	<i>EDC (µg/L)</i>	<i>EDB (µg/L)</i>	<i>TOC (ft MSL)</i>	<i>Depth to Water (ft TOC)</i>	<i>SPH Thickness (ft)</i>	<i>GW Elevation (ft MSL)</i>	<i>DO (mg/L)</i>	<i>ORP (mV)</i>
S-21B	10/01/2009	820	2.6	10	17	89	---	---	---	---	---	---	---	---	35.76	23.95	---	11.81	0.96	353
S-21B	01/28/2010	810	11	6.2	10	51	---	---	---	---	---	---	---	---	35.76	23.30	---	12.46	---	---
S-21B	05/20/2010	120	1.4	2.6	2.0	2.7	---	---	---	---	---	---	---	---	35.76	23.46	---	12.30	1.63	206
S-21B	08/31/2010	500	0.81	3.4	6.9	32	---	---	---	---	---	---	---	---	35.76	24.04	---	11.72	0.72	45
S-21B	12/29/2010	310	<0.50	1.9	4.5	21	---	---	---	---	---	---	---	---	35.76	23.59	---	12.17	0.40	191
S-21B	02/01/2011	270	<0.50	2.0	4.0	16	---	---	---	---	---	---	---	---	35.76	23.08	---	12.68	0.51	10
S-21B	04/25/2011	250	<0.50	1.9	4.6	16	---	---	---	---	---	---	---	---	35.76	21.86	---	13.90	1.43	72
S-21B	07/28/2011	270	<0.50	0.84	3.0	11	---	---	---	---	---	---	---	---	35.76	21.32	---	14.44	2.86	127
S-21B	10/28/2011	220	<0.50	0.53	2.3	9.2	---	---	---	---	---	---	---	---	35.76	21.52	---	14.24	0.96	153
S-21B	05/07/2012	170	<0.50	0.62	1.5	7.6	---	---	---	---	---	---	---	---	35.76	22.04	---	13.72	0.75	100
S-21B	05/02/2013	<50	<0.50	<0.50	<0.50	<1.0	---	---	---	---	---	---	---	---	35.76	25.59	---	10.17	---	---
S-21B	04/21/2014	52	1.7	2.4	0.80	4.7	---	---	---	---	---	---	---	---	35.76	26.14	---	9.62	---	---
S-22A	11/07/2008	---	---	---	---	---	---	---	---	---	---	---	---	---	35.08	22.91	---	12.17	---	---
S-22A	11/11/2008	84,000 i	8,500 i	11,000 i	2,200 i	13,900 i	---	---	---	---	---	---	---	---	35.08	23.15	---	11.93	1.0	117
S-22A	11/11/2008	85,000 j	7,600 j	10,000 j	2,500 j	12,400 j	---	---	---	---	---	---	---	---	35.08	23.15	---	11.93	1.6	100
S-22A	12/18/2008	42,000	6,300	6,600	1,200	4,400	---	---	---	---	---	---	---	---	35.06	23.03	---	12.03	---	---
S-22A	01/05/2009	56,000	4,500	5,300	1,200	6,400	---	---	---	---	---	---	---	---	35.06	23.03	---	12.03	---	---
S-22A	01/15/2009	25,000	5,900	4,400	740	1,570	---	---	---	---	---	---	---	---	35.06	22.84	---	12.22	---	---
S-22A	02/12/2009	43,000	6,700	6,600	1,200	5,000	---	---	---	---	---	---	---	---	35.06	23.15	---	11.91	---	---
S-22A	03/12/2009	35,000	4,600	4,600	980	4,600	---	---	---	---	---	---	---	---	35.06	22.65	---	12.41	---	---
S-22A	04/09/2009	22,000	120	1,900	680	3,400	---	---	---	---	---	---	---	---	35.06	22.88	---	12.18	8.41	556
S-22A	05/18/2009	25,000	4,700	1,300	590	3,700	---	---	---	---	---	---	---	---	35.06	22.83	---	12.23	2.46	539
S-22A	07/23/2009	40,000	5,100	4,800	700	4,900	---	---	---	---	---	---	---	---	35.06	23.01	---	12.05	0.18	167
S-22A	10/01/2009	12,000	1,400	600	88	500	---	---	---	---	---	---	---	---	35.06	23.06	---	12.00	4.08	523
S-22A	11/09/2009	18,000	2,700	2,000	190	1,300	---	---	---	---	---	---	---	---	35.06	23.14	---	11.92	1.74	---
S-22A	12/01/2009	24,000	2,300	2,300	270	2,000	---	---	---	---	---	---	---	---	35.06	23.10	---	11.96	1.06	393
S-22A	01/28/2010	44,000	3,600	5,000	620	4,300	---	---	---	---	---	---	---	---	35.06	22.92	---	12.14	1.40	---
S-22A	05/20/2010	3,100	38	<10	<10	<10	---	---	---	---	---	---	---	---	35.06	23.22	---	11.84	0.48	423
S-22A	06/22/2010	2,400	110	15	4.3	6.6	---	---	---	---	---	---	---	---	35.06	23.51	---	11.55	6.10	542
S-22A	08/31/2010	5,000	690	600	78	350	---	---	---	---	---	---	---	---	35.06	23.52	---	11.54	1.03	553
S-22A	12/29/2010	13,000	1,300	1,800	490	2,100	---	---	---	---	---	---	---	---	35.06	23.17	---	11.89	0.70	476
S-22A	02/01/2011	13,000	1,800	3,100	640	2,800	---	---	---	---	---	---	---	---	35.06	22.45	---	12.61	0.89	453
S-22A	04/25/2011	23,000	2,600	5,500	1,200	6,200	---	---	---	---	---	---	---	---	35.06	21.37	---	13.69	0.40	506
S-22A	07/28/2011	Well inaccessible		---	---	---	---	---	---	---	---	---	---	---	35.06	---	---	---	---	---
S-22A	10/28/2011	31,000	1,800	4,700	1,600	8,100	---	---	---	---	---	---	---	---	35.06	20.98	---	14.08	1.33	342
S-22A	05/07/2012	40,000	2,000	7,200	2,000	12,000	---	---	---	---	---	---	---	---	35.06	20.96	---	14.10	2.50	230
S-22A	12/11/2012	54,000	1,800	8,900	2,400	14,000	---	---	---	---	---	---	---	---	35.06	23.42	---	11.64	0.99/1.96	-14/-21
S-22A	05/02/2013	53,000	1,800	6,800	2,200	11,000	---	---	---	---	---	---	---	---	35.06	24.71	---	10.35	---	---
S-22A	11/07/2013	Well inaccessible		---	---	---	---	---	---	---	---	---	---	---	35.06	---	---	---	---	---
S-22A	04/21/2014	Well inaccessible		---	---	---	---	---	---	---	---	---	---	---	35.06	---	---	---	---	---
S-22A	11/21/2014	Well inaccessible		---	---	---	---	---	---	---	---	---	---	---	35.06	---	---	---	---	---

TABLE 3

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
461 8TH STREET, OAKLAND, CALIFORNIA

Well ID	Date	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260 (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	EDC (µg/L)	EDB (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	SPH Thickness (ft)	GW Elevation (ft MSL)	DO (mg/L)	ORP (mV)
S-22B	11/07/2008	---	---	---	---	---	---	---	---	---	---	---	---	---	35.15	23.06	---	12.09	---	---
S-22B	11/11/2008	<50 i	<0.50 i	<1.0 i	<1.0 i	1.2 i	---	---	---	---	---	---	---	---	35.15	23.20	---	11.95	0.9	92
S-22B	11/11/2008	360 j	3.3 j	12 j	5.8 j	38 j	---	---	---	---	---	---	---	---	35.15	23.20	---	11.95	1.6	90
S-22B	12/18/2008	150	2.9	6.1	2.9	17.5	---	---	---	---	---	---	---	---	35.24	23.26	---	11.98	---	---
S-22B	01/05/2009	110	1.9	5.0	2.6	11	---	---	---	---	---	---	---	---	35.24	28.12	---	7.12	---	---
S-22B	01/15/2009	59	1.3	1.9	1.6	<1.0	---	---	---	---	---	---	---	---	35.24	22.90	---	12.34	---	---
S-22B	02/12/2009	290	11	6.8	7.9	19	---	---	---	---	---	---	---	---	35.24	23.02	---	12.22	---	---
S-22B	03/12/2009	390	4.4	4.6	3.8	12	---	---	---	---	---	---	---	---	35.24	22.86	---	12.38	---	---
S-22B	04/09/2009	280	5.3	2.5	4.0	6.8	---	---	---	---	---	---	---	---	35.24	22.62	---	12.62	2.24	164
S-22B	05/18/2009	170	3.7	2.9	2.4	8.6	---	---	---	---	---	---	---	---	35.24	22.62	---	12.62	1.42	-171
S-22B	07/23/2009	160	8.9	5.7	3.8	12	---	---	---	---	---	---	---	---	35.24	22.65	---	12.59	0.15	28
S-22B	10/01/2009	300	2.4	1.0	1.2	<1.0	---	---	---	---	---	---	---	---	35.24	23.18	---	12.06	2.62	173
S-22B	01/28/2010	<50	<0.50	<1.0	<1.0	<1.0	---	---	---	---	---	---	---	---	35.24	22.73	---	12.51	---	---
S-22B	05/20/2010	230	<0.50	<1.0	<1.0	<1.0	---	---	---	---	---	---	---	---	35.24	22.88	---	12.36	6.14	584
S-22B	08/31/2010	<50	0.57	<1.0	<1.0	<1.0	---	---	---	---	---	---	---	---	35.24	23.51	---	11.73	0.92	377
S-22B	12/29/2010	<50	<0.50	<1.0	<1.0	<1.0	---	---	---	---	---	---	---	---	35.24	23.04	---	12.20	1.07	391
S-22B	02/01/2011	<50	0.55	<0.50	<0.50	<1.0	---	---	---	---	---	---	---	---	35.24	22.70	---	12.54	1.07	-3
S-22B	04/25/2011	<50	<0.50	0.62	<0.50	1.1	---	---	---	---	---	---	---	---	35.24	21.38	---	13.86	1.37	416
S-22B	07/28/2011	Well inaccessible		---	---	---	---	---	---	---	---	---	---	---	35.24	---	---	---	---	---
S-22B	10/28/2011	<50	<0.50	<1.0	<1.0	<1.0	---	---	---	---	---	---	---	---	35.24	20.62	---	14.62	4.83	-12
S-22B	05/07/2012	<50	1.4	<0.50	<0.50	<1.0	---	---	---	---	---	---	---	---	35.24	21.08	---	14.16	2.84	127
S-22B	05/02/2013	<50	<0.50	<0.50	<0.50	<1.0	---	---	---	---	---	---	---	---	35.24	24.68	---	10.56	---	---
S-22B	04/21/2014	Well inaccessible		---	---	---	---	---	---	---	---	---	---	---	35.24	---	---	---	---	---
S-23	11/07/2008	---	---	---	---	---	---	---	---	---	---	---	---	---	35.77	23.28	---	12.49	---	---
S-23	11/11/2008	8,800 i	640 i	610 i	82 i	1,260 i	---	---	---	---	---	---	---	---	35.77	23.58	---	12.19	---	---
S-23	11/11/2008	6,400 j	520 j	640 j	34 j	760 j	---	---	---	---	---	---	---	---	35.77	23.58	---	12.19	---	---
S-23	01/05/2009	830	63	98	14	58	---	---	---	---	---	---	---	---	35.75	23.51	---	12.24	---	---
S-23	02/12/2009	3,400	160	320	55	430	---	---	---	---	---	---	---	---	35.75	23.62	---	12.13	---	---
S-23	03/12/2009	4,600	210	460	71	610	---	---	---	---	---	---	---	---	35.75	23.03	---	12.72	---	---
S-23	04/09/2009	2,700	180	95	33	<5.0	---	---	---	---	---	---	---	---	35.75	22.98	---	12.77	1.24	567
S-23	05/18/2009	3,000	350	440	79	300	---	---	---	---	---	---	---	---	35.75	23.18	---	12.57	19.77	503
S-23	07/23/2009	2,900	180	400	67	340	---	---	---	---	---	---	---	---	35.75	23.48	---	12.27	0.21	133
S-23	10/01/2009	790	40	24	5.4	<1.0	---	---	---	---	---	---	---	---	35.75	23.82	---	11.93	8.64	428
S-23	11/09/2009	3,200	84	330	90	400	---	---	---	---	---	---	---	---	35.75	23.51	---	12.24	0.28	---
S-23	12/01/2009	1,800	47	180	50	190	---	---	---	---	---	---	---	---	35.75	23.31	---	12.44	2.49	472
S-23	01/28/2010	3,000	100	450	110	650	---	---	---	---	---	---	---	---	35.75	23.25	---	12.50	1.74	---
S-23	05/20/2010	900	8.2	<5.0	<5.0	<5.0	---	---	---	---	---	---	---	---	35.75	23.80	---	11.95	3.76	607
S-23	06/22/2010	640	11	22	9.0	11	---	---	---	---	---	---	---	---	35.75	24.40	---	11.35	12.96	572
S-23	08/31/2010	710	14	45	34	110	---	---	---	---	---	---	---	---	35.75	23.95	---	11.80	1.25	322
S-23	12/29/2010	1,300	45	82	56	240	---	---	---	---	---	---	---	---	35.75	23.61	---	12.14	1.39	313

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
461 8TH STREET, OAKLAND, CALIFORNIA

Well ID	Date	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260 (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	EDC (µg/L)	EDB (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	SPH Thickness (ft)	GW Elevation (ft MSL)	DO (mg/L)	ORP (mV)
S-23	02/01/2011	1,300	51	110	72	270	---	---	---	---	---	---	---	---	35.75	22.92	---	12.83	1.30	107
S-23	04/25/2011	1,300	53	110	81	400	---	---	---	---	---	---	---	---	35.75	21.62	---	14.13	0.96	321
S-23	07/28/2011	1,400	43	79	74	320	---	---	---	---	---	---	---	---	35.75	21.28	---	14.47	0.92	209
S-23	10/28/2011	1,600	43	83	92	370	---	---	---	---	---	---	---	---	35.75	21.50	---	14.25	1.82	161
S-23	05/07/2012	870	50	40	66	220	---	---	---	---	---	---	---	---	35.75	21.59	---	14.16	2.20	254
S-23	05/02/2013	540	24	15	5.6	25	---	---	---	---	---	---	---	---	35.75	25.04	---	10.71	---	---
S-23	04/21/2014	1,700	110	47	8.4	95	---	---	---	---	---	---	---	---	35.75	25.67	---	10.08	---	---
AS-1	12/17/2007	---	---	---	---	---	---	---	---	---	---	---	---	---	35.33	22.91	---	12.42	---	---
AS-1	02/08/2008	130 f	1.1	3.4	<1.0	5.4	---	<1.0	---	---	---	---	<0.50	<1.0	35.33	22.62	---	12.71	---	---
AS-1	05/08/2008	<50 f	<0.50	<1.0	<1.0	<1.0	---	<1.0	---	---	---	---	<0.50	<1.0	35.33	27.78	---	7.55	---	---
OW-1	04/09/2009	Well dry	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
OW-1	05/18/2009	Well dry	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Notes:

TPHg = Total petroleum hydrocarbons as gasoline analyzed by EPA Method 8260B; prior to July 25, 2001, analyzed by EPA Method 8015 unless otherwise noted.

BTEX = Benzene, toluene, ethylbenzene, and total xylenes analyzed by EPA Method 8260B; prior to July 25, 2001, analyzed by EPA Method 8020.

MTBE = Methyl tertiary-butyl ether analyzed by method noted

TBA = Tertiary-butyl alcohol analyzed by EPA Method 8260B

DIPE = Di-isopropyl ether analyzed by EPA Method 8260B

ETBE = Ethyl tertiary-butyl ether analyzed by EPA Method 8260B

TAME = Tertiary-amyl methyl ether analyzed by EPA Method 8260B

EDC = 1,2-Dichloroethane analyzed by EPA Method 8260B.

EDB = 1,2-Dibromoethane analyzed by EPA Method 8260B.

TOC = Top of casing elevation, in feet relative to mean sea level

SPH = Separate-phase hydrocarbon

GW = Groundwater

DO = Dissolved oxygen (pre-purge/post purge reading)

ORP = Oxygen redox potential (pre-purge/post purge reading)

µg/L = Micrograms per liter

ft = Feet

MSL = Mean sea level

mg/L = Milligrams per liter

mV = Millivolts

<x = Not detected at reporting limit x

--- = Not analyzed or available

(D) = Duplicate sample

a = Included in xylenes analysis

b = Analyzed outside of EPA recommended holding time

c = Depth to water measured from TOC; elevation unknown.

**GROUNDWATER DATA
FORMER SHELL SERVICE STATION
461 8TH STREET, OAKLAND, CALIFORNIA**

<i>Well ID</i>	<i>Date</i>	<i>TPHg</i> ($\mu\text{g/L}$)	<i>B</i> ($\mu\text{g/L}$)	<i>T</i> ($\mu\text{g/L}$)	<i>E</i> ($\mu\text{g/L}$)	<i>X</i> ($\mu\text{g/L}$)	<i>MTBE</i> <i>8020</i> ($\mu\text{g/L}$)	<i>MTBE</i> <i>8260</i> ($\mu\text{g/L}$)	<i>TBA</i> ($\mu\text{g/L}$)	<i>DIPE</i> ($\mu\text{g/L}$)	<i>ETBE</i> ($\mu\text{g/L}$)	<i>TAME</i> ($\mu\text{g/L}$)	<i>EDC</i> ($\mu\text{g/L}$)	<i>EDB</i> ($\mu\text{g/L}$)	<i>TOC</i> (<i>ft MSL</i>)	<i>Depth to</i> <i>Water</i> (<i>ft TOC</i>)	<i>SPH</i> <i>Thickness</i> (<i>ft</i>)	<i>GW</i> <i>Elevation</i> (<i>ft MSL</i>)	<i>DO</i> (<i>mg/L</i>)	<i>ORP</i> (<i>mV</i>)
----------------	-------------	------------------------------------	---------------------------------	---------------------------------	---------------------------------	---------------------------------	---	---	-----------------------------------	------------------------------------	------------------------------------	------------------------------------	-----------------------------------	-----------------------------------	---------------------------------	--	---	--	------------------------------	-----------------------------

d = Grab sampled

e = Casing broken; TOC unknown.

f = Analyzed by EPA Method 8015B (M)

g = The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.

h = Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.

i = Pre-purge sample

j = Post-purge sample

k = SPH present; well purged prior to gauging with interface probe

l = Concentration reported is partially due to the presence of discrete peak of toluene.

When SPHs are present, groundwater elevation is adjusted using the relation: Corrected groundwater elevation = TOC - Depth to Water + (0.8 x Hydrocarbon Thickness).

Beginning July 18, 2002, well elevations measured from TOC

Site wells surveyed March 5, 2002 by Virgil Chavez Land Surveying

Site wells surveyed December 18, 2007 by Virgil Chavez Land Surveying

Wells S-14R and S-19 through S-23 surveyed on November 11, 2008 by Virgil Chavez Land Surveying

Well S-5 surveyed on November 11, 2008 by Virgil Chavez Land Surveying

Well S-5 surveyed on October 8, 2009 by Virgil Chavez Land Surveying

APPENDIX A

HUMAN HEALTH RISK ASSESSMENT



MEMORANDUM

TO: Peter Schaefer **REF. NO.:** 241501
FROM: Tina LePage/April Gowing/kf/1 **DATE:** February 25, 2015
RE: **Human Health Risk Assessment**
Former Shell Service Station
461 8th Street, Oakland, California

1.0 Introduction

On behalf of Equilon Enterprises LLC dba Shell Oil Products US (Shell), Conestoga Rovers & Associates (CRA) conducted a human health risk assessment (HHRA) for the former Shell service station located at 461 8th Street, Oakland, California. Soil sampling and groundwater monitoring have been conducted at the site since 1981, following the detection of petroleum hydrocarbons in the subsurface. The HHRA evaluated whether the chemicals detected in site soil vapor could pose risks/hazards that are above acceptable levels to human health.

This former Shell service station is located at 461 8th Street, in a mixed residential and commercial use area of Oakland, California. The Shell-branded station discontinued operations in May 1980, and all existing improvements, tanks, and associated piping were removed. The property is currently a parking lot, but redevelopment for commercial and residential has been approved by the City of Oakland. The new building will be completed at current grade with the exception of two rows of car stackers which will be installed at 14 feet below grade (fbg). There will be commercial units in addition to the garage on the first floor. The garage portion of the bottom floor where the car stackers will be located will be an "open" plan with substantial ventilation.

2.0 Site-Specific HHRA

The basis of this HHRA was to evaluate the potential for risks to human health due to residual petroleum hydrocarbons at the site. An HHRA consists of the following four components:

1. Problem formulation
2. Exposure assessment
3. Toxicity assessment
4. Risk characterization

These four components are presented below.

2.1 Problem Formulation

In December 2011 and January 2012, soil vapor samples were collected from the eight nested soil vapor probes (VP-5 through VP-12) installed in November 2011, to evaluate the potential for the vapor intrusion exposure pathway. Soil vapor data provides a better estimate of the potential for vapor intrusion than soil or groundwater quality; as a result, soil and groundwater data will not be considered further in this HHRA. The post-remediation soil vapor data, from December 2011 and January 2012, are presented in Table A-1. Note that we did not include the data from VP-1 as that area was subsequently excavated and remediated, so they do not represent current soil vapor conditions.

2.1.1 Selection of Chemicals of Potential Concern (COPCs)

Soil vapor COPCs were identified by comparing analytical results to conservative screening criteria. No chemicals were detected at concentrations above these screening criteria. Chemicals that were not detected were not considered to be COPCs for the HHRA. Chemicals that were detected but do not have available screening criteria were retained as COPCs, unless they had a low detection frequency (less than 5 percent [%] of samples). A summary of the screening criteria that were considered in the identification of the COPCs and the COPCs identified for soil vapor are presented below.

2.1.1.1 Soil Vapor Chemicals of Potential Concern

Soil Vapor

For the soil vapor to indoor air exposure pathway, the screening criteria applied were the San Francisco Bay Region Water Quality Control Board (RWQCB) shallow soil gas screening levels (RWQCB, 2013). Since the Site is in a mixed residential and commercial use area, soil vapor data were screened to both the residential and commercial shallow soil gas screening levels (RWQCB, 2013; Table E-2).

As indicated in Tables A-2 and A-3, no parameters in soil vapor data were identified at a concentration above either the residential or commercial screening levels, respectively.

2.1.2 Human Health Conceptual Site Model

The human health conceptual site model is developed based on the potential routes of exposure posed by the presence of COPCs. The property is currently a parking lot but redevelopment for commercial and residential use has been approved by the City of Oakland.

Based on the anticipated land use of the site, the CSM assumes the following potential human receptors may be exposed to site media:

- Resident and commercial worker exposure to soil vapor migrating to indoor air (inhalation).

There were no identified COPCs in the soil vapor above the screening criteria; as a result, any potential exposure to the soil vapor by a resident or commercial worker are not expected to result in health risks/hazards above unacceptable levels.

2.1.3 Risk Assessment Objectives

The objective of the HHRA is to quantify the potential health risks or hazards to the human receptors associated with the presence of COPCs identified in soil vapor in Section 2.1.1. No COPCs were identified in the soil vapor; therefore the potential health risks or hazards to the residents and commercial workers that may be exposed to the soil vapor have not been quantified. Therefore, an exposure assessment, toxicity assessment, and risk characterization of the COPCs was not required.

3.0 Summary and Conclusions

The property is currently a parking lot but redevelopment for commercial and residential use has been approved by the City of Oakland. The proposed new building will be completed at current grade with the exception of two rows of car stackers which will be installed at 14 fbg. The garage portion of the bottom floor will be an "open" plan with substantial ventilation and there will be some commercial units on the first floor.

The only potential exposure associated with the residual petroleum impacts at the site is exposure to soil vapor. However, there was no soil vapor COPCs identified, as all concentrations were below the residential and commercial screening levels. Therefore, any potential exposure by the resident or commercial worker is below acceptable risk and hazard levels.

4.0 References

RWQCB, 2013. User's Guide: Derivation and Application of Environmental Screening Levels, RWQCB, Interim Final.

TABLE A-1
SUMMARY OF SOIL VAPOR ANALYTICAL RESULTS
FORMER SHELL SERVICE STATION
461 8th STREET, OAKLAND CALIFORNIA

	VP-5	VP-5	VP-6	VP-6	VP-7	VP-7	VP-8	VP-8	VP-9	VP-9	VP-10	VP-10	VP-11	VP-11	VP-12	VP-12
Date	12/01/11	12/01/11	01/05/12	01/05/12	12/01/11	12/01/11	12/01/11	12/01/11	12/01/11	12/01/11	12/01/11	12/01/11	12/01/11	12/01/11	12/01/11	12/01/11
Depth (feet below grade)	5	10	5	10	5	10	5	10	5	10	5	10	5	10	5	10
Parameters	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)
<u>Petroleum Hydrocarbons</u>																
TPHg	<3800	<3800	<3800	<3800	<3800	<3800	<3800	<3800	<3800	<3800	<3800	<3800	<3800	<3800	<3800	<3800
<u>BTEX</u>																
Benzene	<16	<16	<16	<16	<16	<16	<16	<16	<16	<16	<16	<16	<16	<16	<16	<16
Toluene	<19	<19	<19	<19	<19	<19	<19	<19	<19	<19	<19	<19	<19	<19	<19	<19
Ethylbenzene	57	28	88	48	29	55	32	31	<22	<22	57	<22	<22	30	<22	35
Total xylenes	54	<43	120	55	<43	54	<43	<43	<43	<43	58	<43	<43	<43	<43	<43

Notes

$\mu\text{g}/\text{m}^3$ = micrograms per cubic meter

TPHg = Total petroleum hydrocarbons as gasoline analyzed by EPA Method TO-3

BTEX = Benzene, toluene, ethylbenzene, and total xylenes analyzed by EPA Method 8260

TABLE A-2

**OCCURRENCE, DISTRIBUTION, AND IDENTIFICATION OF CHEMICALS OF POTENTIAL CONCERN IN SOIL VAPOR
FORMER SHELL SERVICE STATION
461 8th STREET, OAKLAND, CALIFORNIA**

Medium: Soil Vapor
Exposure Medium: Residential Indoor Air

CAS Number	Chemical	Minimum ^(1,2) Concentration	Minimum Qualifier	Maximum ^(1,2) Concentration	Maximum Qualifier	Units	Location of Maximum Concentration	Detection Frequency (2)	Range of Detection Limits (2)	Concentration Used for Screening (3)	Screening Criteria (4)	COPC Flag Y - yes N - no	Rationale for Contaminant Deletion or Selection (5)
	<u>Petroleum Hydrocarbons</u>												
	TPHg	ND		ND		µg/m ³	--	0/16	3800	ND	300,000 N	N	ND
	<u>BTEX</u>												
71-43-2	Benzene	ND		ND		µg/m ³	--	0/16	16	ND	42 C	N	ND
108-88-3	Toluene	ND		ND		µg/m ³	--	0/16	19	ND	160,000 N	N	ND
100-41-4	Ethylbenzene	28		88		µg/m ³	VP-6; 5 fbg (01/05/12)	11/16	22	88	490 C	N	BSC
1330-20-7	Total xylenes	54		120		µg/m ³	VP-6; 5 fbg (01/05/12)	5/16	43	120	52,000 N	N	BSC

Notes:

COPC = Chemicals of potential cancer

TPHg = Total petroleum hydrocarbons as gasoline analyzed by EPA Method TO-3

BTEX = Benzene, toluene, ethylbenzene, and total xylenes analyzed by EPA Method 8260

ND = Not detected

fbg = Feet below grade

µg/m³ = micrograms per cubic meter

C = Denotes that the reported screening criterion is based on a carcinogenic potency factor

N = Denotes that the reported screening criterion is based on chronic toxic effects other than cancer

BSC = Below screening criterion

- (1) Minimum/maximum detected concentration.
- (2) Based on data collected from sampling locations: VP-5, VP-6, VP-7, VP-8, VP-9, VP-10, VP-11, VP-12.
- (3) Maximum concentration is used for chemicals of potential concern (COPC) selection.
- (4) SFBRWQCB, 2013, *User's Guide: Derivation and Application of Environmental Screening Levels*, San Francisco Bay Regional Water Quality Control Board, Interim Final. Lookup Tables, Table E-2: Shallow Soil Gas Screening Levels for Evaluation of Potential Vapor Intrusion (volatile chemicals only), Residential Exposure.
- (5) Rationale Codes
 - Selection Reason : Maximum detected above Screening Criterion (ASC)
 - Deletion Reason : Maximum detected below Screening Criterion (BSC)
 - Analyte Not Detected (ND)

TABLE A-3

OCCURRENCE, DISTRIBUTION, AND IDENTIFICATION OF CHEMICALS OF POTENTIAL CONCERN (COPCs) IN SOIL VAPOR
FORMER SHELL SERVICE STATION
461 8th STREET, OAKLAND, CALIFORNIA

Medium: Soil Vapor
Exposure Medium: Commercial Indoor Air

CAS Number	Chemical	Minimum Concentration ^(1,2)	Minimum Qualifier	Maximum Concentration ^(1,2)	Maximum Qualifier	Units	Location of Maximum Concentration	Detection Frequency ⁽²⁾	Range of Detection Limits ⁽²⁾	Concentration Used for Screening ⁽³⁾	Screening Criteria ⁽⁴⁾	COPC Flag Y - yes N - no	Rationale for Contaminant Deletion or Selection ⁽⁵⁾
--	<u>Petroleum Hydrocarbons</u> TPHg	ND		ND		µg/m ³	--	0/16	3800	ND	2,500,000	N	ND
71-43-2	<u>BTEX</u> Benzene	ND		ND		µg/m ³	--	0/16	16	ND	420	C	ND
108-88-3	Toluene	ND		ND		µg/m ³	--	0/16	19	ND	1,300,000	N	ND
100-41-4	Ethylbenzene	28		88		µg/m ³	VP-6; 5 fbg (01/05/12)	11/16	22	88	4,900	C	BSC
1330-20-7	Xylenes (total)	54		120		µg/m ³	VP-6; 5 fbg (01/05/12)	5/16	43	120	440,000	N	BSC

Notes:

COPC = Chemicals of potential concern

TPHg = Total petroleum hydrocarbons as gasoline analyzed by EPA Method TO-3

BTEX = Benzene, toluene, ethylbenzene, and total xylenes analyzed by EPA Method 8260

ND = Not detected

fbg = Feet below grade

µg/m³ = micrograms per cubic meter

C = Denotes that the reported screening criterion is based on a carcinogenic potency factor

N = Denotes that the reported screening criterion is based on chronic toxic effects other than cancer

BSC = Below screening criterion

- (1) Minimum/maximum detected concentration.
- (2) Based on data collected from sampling locations: VP-5, VP-6, VP-7, VP-8, VP-9, VP-10, VP-11, VP-12.
- (3) Maximum concentration is used for chemicals of potential concern (COPC) selection.
- (4) SFBRWQCB, 2013, *User's Guide: Derivation and Application of Environmental Screening Levels*, San Francisco Bay Regional Water Quality Control Board, Interim Final. Lookup Tables, Table E-2: Shallow Soil Gas Screening Levels for Evaluation of Potential Vapor Intrusion (volatile chemicals only), Commercial/Industrial Land Use.
- (5) Rationale Codes
 Selection Reason : Maximum detected above Screening Criterion (ASC)
 Deletion Reason : Maximum detected below Screening Criterion (BSC)
 Analyte Not Detected (ND)