



RECEIVED

By Alameda County Environmental Health 11:25 am, May 05, 2017

May 2, 2017

VIA ALAMEDA COUNTY FTP SITE

Ms. Kit Soo
Hazardous Materials Specialist
Alameda County Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

Re: **2016 Groundwater Monitoring Report**
Former Shell Service Station
1230 14th Street
Oakland, California
Fuel Leak Case No. RO0000433

Dear Ms. Soo:

On behalf of property owner Andy Saberi, Pangea Environmental Services, Inc has prepared this *2016 Groundwater Monitoring Report*. This groundwater monitoring was required by an October 12, 2016 agency email and evaluated conditions after the soil excavation in November 2015. This report describes groundwater monitoring results and recommendations for future action to pursue regulatory case closure.

If you have any questions, please contact me at (510) 435-8664 or by email at briddell@pangeaenv.com.

Sincerely,
Pangea Environmental Services, Inc.

Bob Clark-Riddell, P.E.
Principal Engineer

Attachment: *2016 Groundwater Monitoring Report*

cc: Andy Saberi (electronic copy)
Perry Pineda, Shell Oil Products US (electronic copy)
SWRCB Geotracker (electronic copy)

PANGEA Environmental Services, Inc.

1710 Franklin Street, Suite 200, Oakland, CA 94612 Telephone 510.836.3700 Facsimile 510.836.3709 www.pangeaenv.com



2016 GROUNDWATER MONITORING REPORT

**Former Shell Service Station
1230 14th Street
Oakland, California
Fuel Leak Case No. RO0000433**

May 2, 2017

Prepared for:

Andy Saberi
1045 Airport Boulevard
South San Francisco, California 94080


Prepared by:

Pangea Environmental Services, Inc.
1710 Franklin Street, Suite 200
Oakland, California 94612

Written by:




Morgan Gillies
Project Manager


Bob Clark-Riddell, P.E.
Principal Engineer

PANGEA Environmental Services, Inc.

INTRODUCTION

On behalf of Andy Saberi, Pangea Environmental Services, Inc. (Pangea) conducted groundwater monitoring and sampling at the subject site (Figure 1). This groundwater monitoring was required by an October 12, 2016 agency email and evaluated conditions after the soil excavation in November 2015. This report describes groundwater monitoring results and recommendations for future action to pursue regulatory case closure.

SITE BACKGROUND

The former Shell-branded service station is located at the northeast corner of 14th Street and Union Street in Oakland, California (Figure 1). Currently, an abandoned one-story station building and a pump-island canopy occupy the site, and much of the property is paved except for the former UST excavation and remediation excavation area. Land use in the surrounding area is currently residential to the north, south, and east, and is commercial/industrial to the west and southwest. The site topography is predominantly flat.

Site History

According to prior reports, the current site building was constructed in 1958 and gas station operations at the site reportedly began in 1958. Operations ceased in 1993 and petroleum hydrocarbons were first discovered in soil onsite near the underground storage tanks (USTs) during the completion of three borings at the site in February 1991. Four gasoline USTs and one waste oil storage tank were removed from the site on August 24, 1993. The current property owner, Mr. Andy Saberi, purchased the property in the mid 1980s.

Previous Environmental Work

Previous environmental work has included site assessment, a sensitive receptor evaluation/well survey, risk evaluation, two rounds of feasibility testing (in 2000 and 2006), and several remedial actions. Remedial action included injection of oxygen releasing compound (ORC) into site wells in 1997, groundwater extraction (GWE) and dual-phase extraction (DPE) from 2002 to 2004 (performed with mobile equipment for approximately 11 separate days removing 6.0 lbs aqueous phase and 5.6 lbs vapor phase hydrocarbons), and hydrogen peroxide injection into site wells in 2003. Groundwater monitoring has been performed at the site since 1996.

In January 2008, Pangea submitted a *Draft Corrective Action Plan and Pilot Test Work Plan* (Draft CAP/Test Workplan) as required by Alameda County Department of Environmental Health (ACDEH). In June 2008, with ACDEH approval, Pangea installed new remediation test wells, repaired damaged remediation wells, and destroyed one remediation well, as detailed in the *Well Installation and Destruction Report* dated October 6, 2008. In early July 2008, Pangea conducted the approved pilot testing using the newly installed remediation

test wells to determine whether SVE or DPE would most effectively remove contaminants and capture hydrocarbon vapors resulting from air sparging. In the *SVE/DPE Pilot Test Report* dated October 7, 2008, Pangea recommended DPE/AS as the most effective remedial approach for the site. In a letter dated October 29, 2008, ACDEH approved implementation of DPE/AS remediation at the site. On June 15, 2009, the California UST Cleanup Fund completed a 5-year review of the claim and recommended implementation of site remediation. DPE remediation system operation started in April 2011 and AS system operation commenced in October 2011.

To enhance DPE/AS remedial effectiveness, Pangea began pilot testing bio-organic catalyst (BOC) injection in select site wells. The pilot testing was performed as detailed in the *Workplan for Enhanced Site Remediation* dated March 6, 2012, and as approved by the ACDEH in a letter dated April 17, 2012. In a letter dated September 10, 2012, ACDEH rescinded their BOC pilot test approval due to concerns about offsite migration of site contaminants. On September 25, 2012, Pangea submitted the *Groundwater Monitoring and Remediation Report – First Half 2012*, which described Pangea's efforts to demonstrate control of any hydrocarbon migration initiated by desorption affects of BOC. Continued implementation of enhanced site remediation using BOC was approved by ACDEH in a letter dated October 8, 2012. Site remediation was temporarily discontinued on February 15, 2013 to conduct post-remediation groundwater monitoring. The DPE/AS remediation system was removed from the site in July and August 2015. The layout of the former DPE/AS remediation system is shown on Figure 5.

After insitu remediation, soil and soil gas sampling was conducted at six locations to evaluate conditions as described in the *Soil and Soil Gas Sampling Report* dated April 7, 2015. Select compounds in soil and soil gas at soil gas probe SG-6 exceeded applicable ESLs and/or LTCP criteria. To address the exceedances at location SG-6, Pangea proposed limited soil excavation to target shallow soil impact.

In November 2015, following agency approval, Pangea coordinated soil excavation involving the offsite disposal of 684.6 tons of hydrocarbon-impacted soil. The excavation extent was expanded with agency approval to target elevated soil impact under the northern dispenser island where up to 34 mg/kg benzene had been encountered during exploratory excavation. Shallow overburden was reused with agency approval and an open cut excavation plan was used to avoid costly structural shoring. The final excavation extent is shown on Figure 6.

GROUNDWATER MONITORING AND SAMPLING

On October 31, 2016, Pangea visited the site to evaluate the condition of site groundwater monitoring wells following excavation activities in preparation for groundwater monitoring. Well monitoring was conducted on November 2, 2016, after repairing the plastic sheeting covering the excavation area and removing weeds to gain access to well MW-6. Consistent with the ACDEH email dated October 12, 2016, Pangea attempted to sample all site wells. However, wells MW-2, AS-1, VW/MW-2 and DP-5 were apparently damaged during site excavation and could not be sampled during this monitoring event. Groundwater monitoring this event included sampling of seven site wells (MW-4, MW-5R, MW-6, MW-7, AS-2, AS-4 and DP-1). Each well was gauged for depth-to-water and inspected for separate-phase hydrocarbons (SPH) prior to collection of groundwater samples. Well caps were removed from all monitoring wells at least 15 minutes prior to gauging to allow for water level equilibration.

Prior to sample collection, approximately three casing volumes of water were purged from each monitoring well using disposable bailers. During well purging, field technicians measured pH, temperature, conductivity, oxygen-reduction potential (ORP), and total dissolved solids (TDS). A groundwater sample was collected from each well using a disposable bailer to fill the appropriate containers supplied by the analytical laboratory. Groundwater samples were labeled, placed in protective plastic bags, and stored on crushed ice at or below 4°C. All samples were transported under chain-of-custody to the State-certified analytical laboratory. Groundwater monitoring field data sheets, including purge volumes and field parameter measurements, are presented in Appendix B.

Groundwater samples were analyzed for total petroleum hydrocarbons as gasoline (TPHg), benzene, toluene, ethylbenzene, and xylenes (BTEX) and methyl tertiary butyl ether (MTBE) by EPA Method 8015Cm/8021B. In response to agency direction during an October 12, 2016 meeting, additional sample analyses were conducted for well MW-7 due to its proximity to the former waste oil UST at the site. Samples from well MW-7 was also analyzed for select metals by EPA Method 6010B, mercury by EPA Method 7470/7471, volatile organic hydrocarbons by EPA Method 8260B, and semi-volatile organic hydrocarbons by EPA Method 8270C.

GROUNDWATER MONITORING RESULTS

Current and historical groundwater elevation data and analytical results are described below and summarized on Figure 2 and Table 1. Samples were analyzed by SunStar Laboratories, Inc., of Lake Forest, California, a State-certified laboratory. The laboratory analytical report is included in Appendix C.

Groundwater Flow Direction

Based on depth-to-water measurements taken on November 2, 2016, groundwater generally flows to the *northeast*, as shown on Figure 2. The calculated groundwater gradient is approximately 0.003 ft/ft. This inferred groundwater flow direction consistent with historical groundwater flow.

The groundwater elevation was at or near historic lows in site wells this event. The relatively shallow depth-to-water in well AS-4 is presumably due to its location adjacent to the 2015 excavation. Depth-to-water and groundwater elevation data are presented in Table 1.

Hydrocarbon Distribution in Groundwater

Hydrocarbon concentrations represent historic low levels in all wells sampled this event. The historic low concentrations may be due to the historic or near historic low groundwater elevations observed this event. The maximum concentrations detected this event were 930 µg/L TPHg (well MW-5R) and 48 µg/L benzene (well DP-5). The estimated distribution of TPHg and benzene in groundwater is shown on Figures 3 and 4, respectively.

Fuel Oxygenate Distribution in Groundwater

MTBE was not detected in any site wells during this monitoring event. MTBE concentrations are shown in Table 1 and on Figure 2. Historically, MTBE has only been detected sporadically in site wells. Since 2003, MTBE concentrations have been below the 13 µg/L maximum contaminant level (MCL) for drinking water, with the exception of one detection of 20 µg/L detected in well MW-5 in February 2008. This MTBE result was potentially a false positive result, as EPA Method 8260 was not used to confirm the MTBE detected by EPA Method 8021B. MTBE is not a primary constituent of concern at this site due to limited, sporadic, and potentially false MTBE detections.

Other Chemicals of Potential Concern

Due to its proximity to the former waste oil UST at the site, additional samples from well MW-7 were analyzed for total recoverable petroleum hydrocarbons (TRPH) by EPA Method 418.1, select metals by EPA Method

6010B, mercury by EPA Method 7470/7471, volatile organic hydrocarbons (VOCs) by EPA Method 8260B, and semi-volatile organic hydrocarbons (SVOCs) by EPA Method 8270C. Of these additional analytes, the only detection was of 98 ug/L barium.

FUTURE SITE ACTIVITIES

Data Gap Investigation

Within Pangea's *Excavation Report* dated April 12, 2016, Pangea proposed soil borings adjacent to and within the site building to address data gaps per correspondence with ACDEH former caseworker Wickham. The assessment purpose was to evaluate possible hydrocarbon impact beyond the northern dispenser and along the western and northern boundary of the former UST complex. If the hydrocarbons source was a release from the former USTs, soil quality in the area north and northwest of the former USTs represents a data gap. The proposed boring locations are shown on Figure 6. Proposed procedures for site assessment were included in the *Excavation Report*, and included sample analysis for TPHg, BTEX/MTBE, and naphthalene. Based on recent agency correspondence, Pangea also recommends additional analyses due to the former waste oil UST in this vicinity. Pangea proposes analysis of select soil and groundwater samples from proposed boring DG-4 for TPHd/TPHmo by EPA Method 8015, VOCs by EPA Method 8260B, and SVOCs by EPA Method 8270C. Pangea awaits agency direction regarding future action.

Groundwater Monitoring

If ACDEH wishes to evaluate groundwater conditions during higher groundwater elevation conditions, Pangea would recommend a groundwater monitoring event very soon (e.g., May 2017) due to recent record precipitation this wet season. While the November 2016 results showed historic low hydrocarbon concentrations in key wells, the groundwater elevation was at or near a historic *low* for that monitoring event. Historically, the site groundwater elevation has fluctuated up to approximately 7 ft, with corresponding significant fluctuation in hydrocarbon concentrations. Groundwater monitoring during seasonal high groundwater elevation can help evaluate site conditions with respect to LTCP criteria to assist with case closure evaluation.

Electronic Reporting

This report will be uploaded to the Alameda County FTP site. The report, laboratory data, and other applicable information will also be uploaded to the State Water Resource Control Board's Geotracker database. As requested, report hard copies will no longer be provided to the local agencies.

ATTACHMENTS

Figure 1 – Vicinity Map

Figure 2 – Groundwater Elevation and Hydrocarbon Concentration Map

Figure 3 – TPHg Distribution in Groundwater

Figure 4 – Benzene Distribution in Groundwater

Figure 5 – Former Remediation System Layout

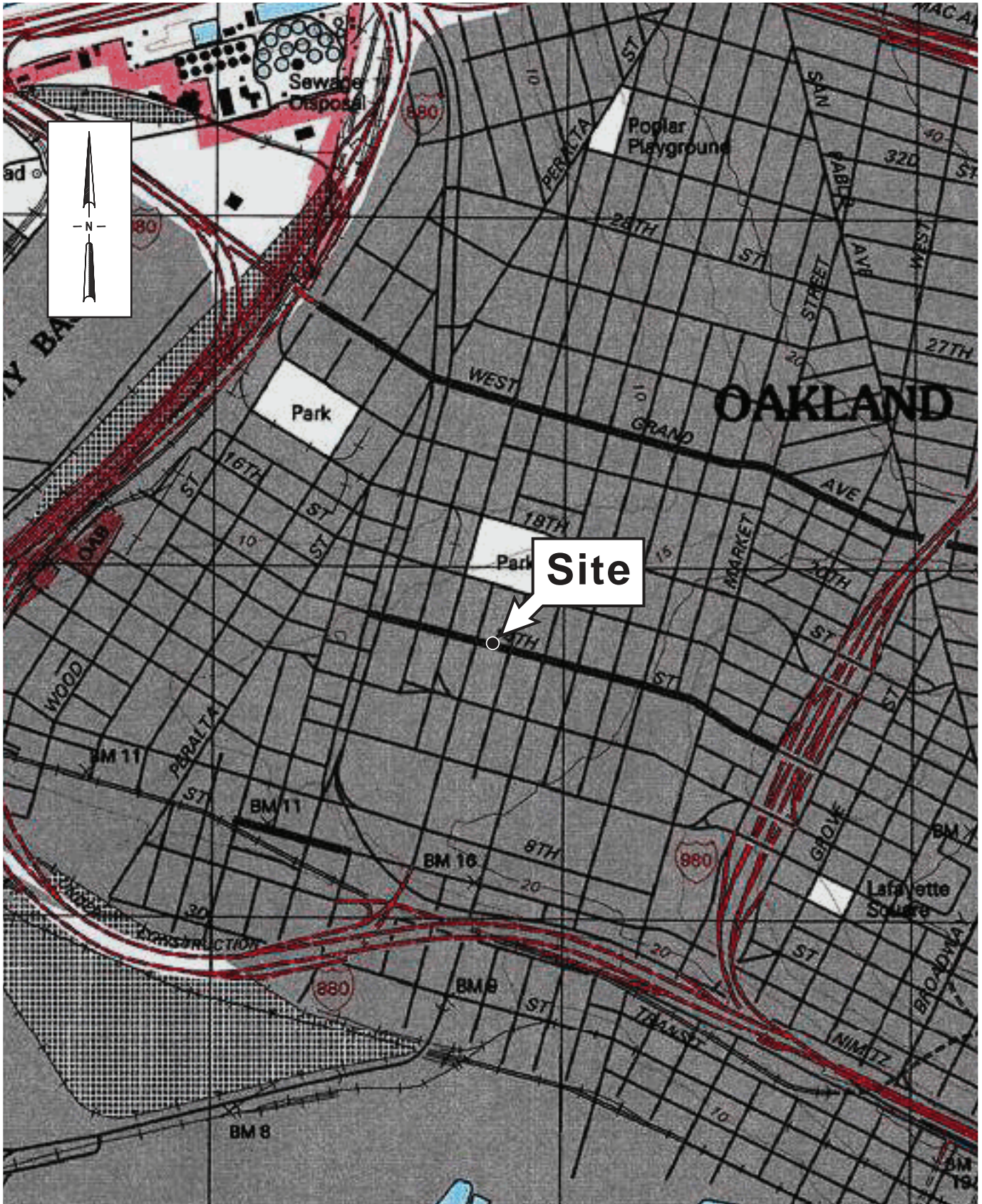
Figure 6 – Proposed Soil Borings for Data Gap Assessment

Table 1 – Groundwater Elevation and Analytical Data

Appendix A – Groundwater Monitoring Program

Appendix B – Groundwater Monitoring Field Data Sheets

Appendix C – Laboratory Analytical Reports



Figure

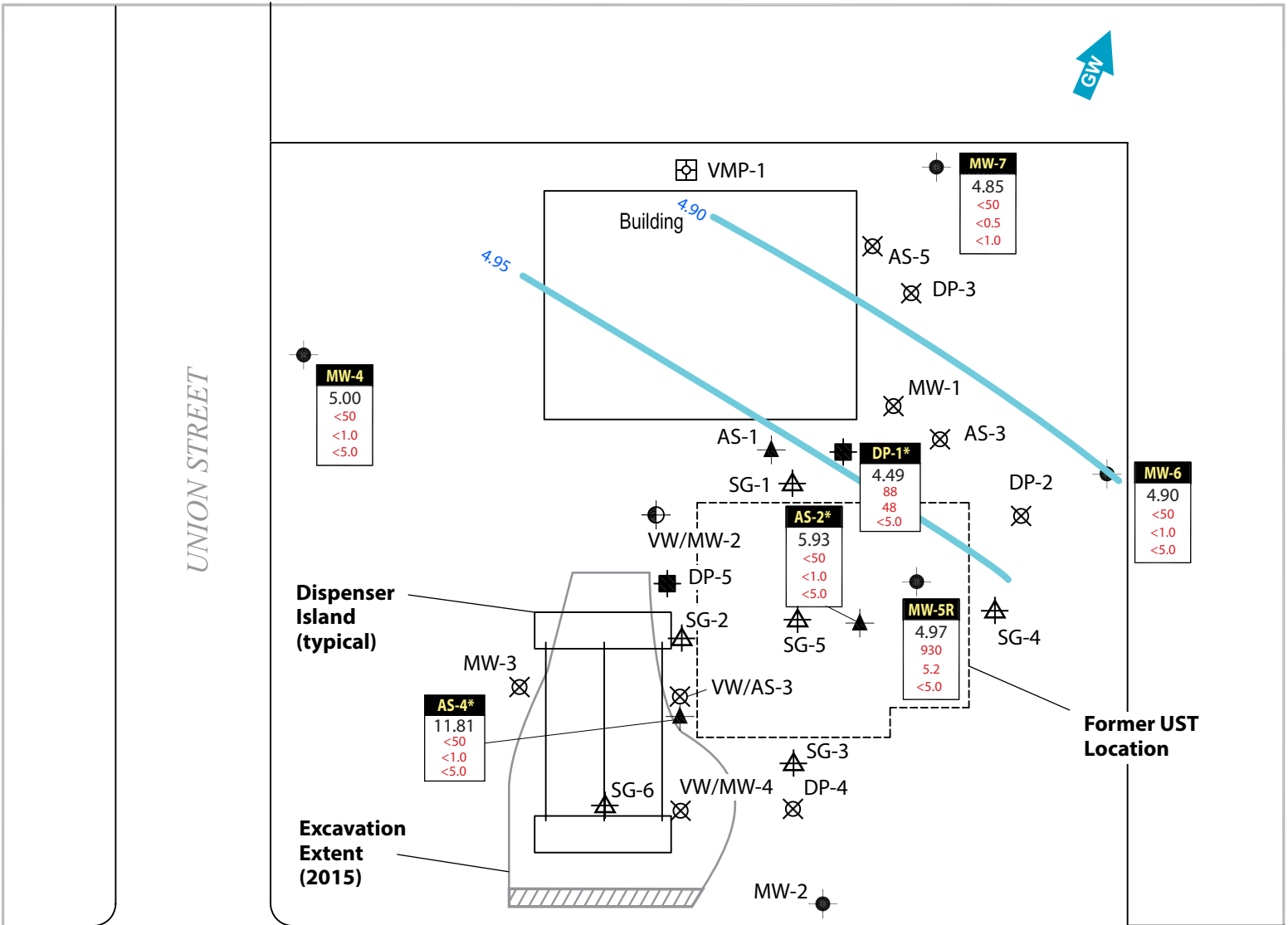
1

Former Shell Service Station

1230 14th Street
Oakland, California



Vicinity Map



EXPLANATION

- | | | | |
|---------|--|----------------|--|
| SG-5 | Soil gas probe/Soil Boring (2014) | Well ID | Well Designation |
| DP-1 | Dual phase extraction (DPE) well | ELEV | Groundwater Elevation |
| AS-1 | Air sparge well (AS) | TPHg | Hydrocarbon concentrations in groundwater in micrograms per liter (ug/L) |
| VMP-1 | Vapor monitoring point | Benzene | |
| MW-1 | Groundwater monitoring well | MTBE | |
| VW/MW-4 | Combination soil vapor extraction well/monitoring well | * | Groundwater elevation not used for contouring |
| VW/AS-3 | Destroyed Well | NM | Well not sampled |
| | Excavation Extent, 2015 (Approximate 15' Depth) | NS | Well not sampled |
| | Slurry Wall | | Groundwater elevation contour, in feet |
| | | | Approximate groundwater flow direction |

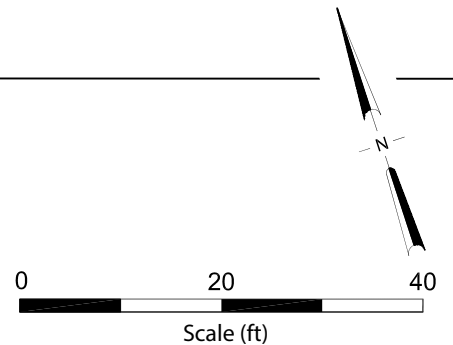
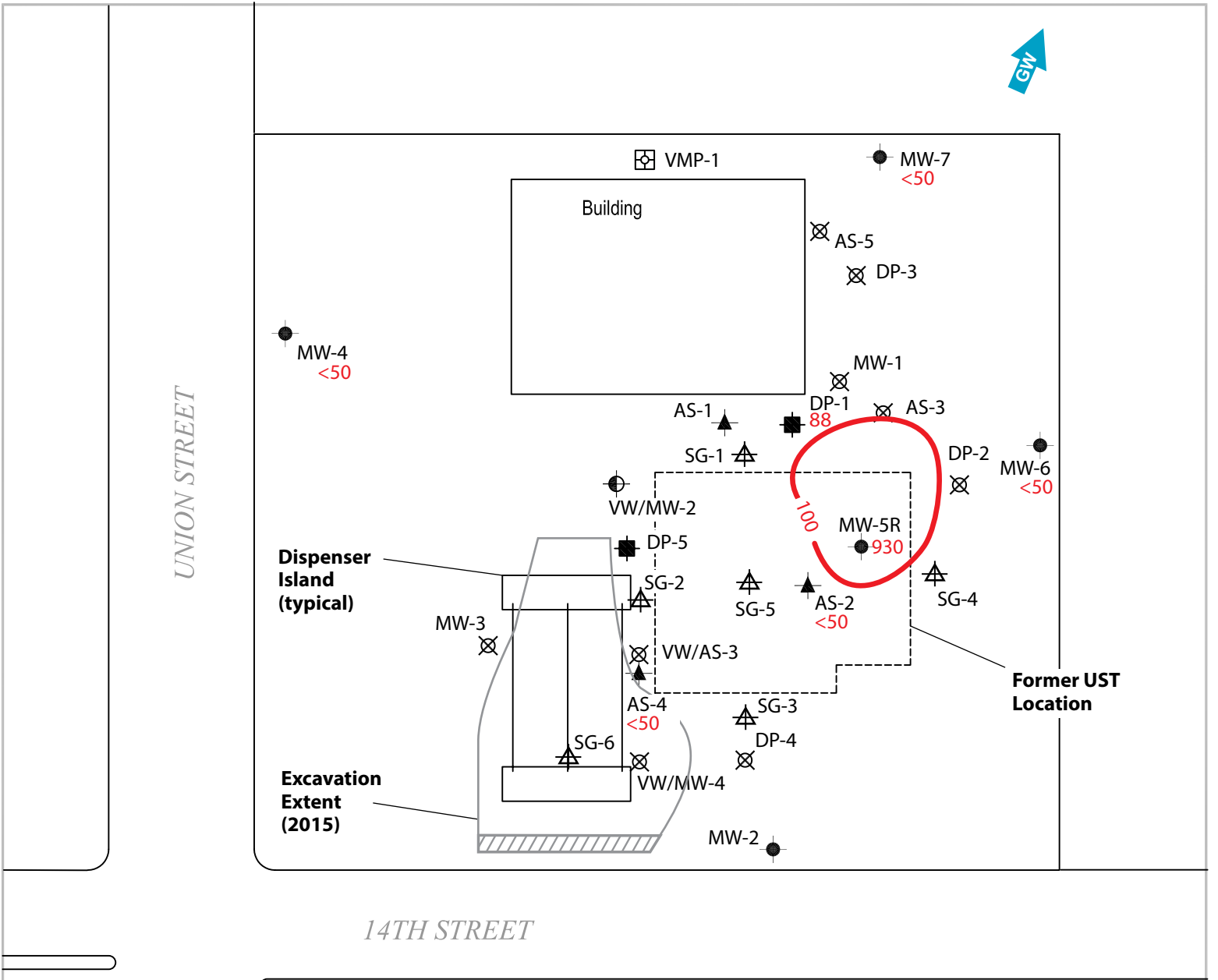


Figure 2



EXPLANATION		
SG-5	Soil gas probe/Soil Boring (2014)	81
DP-1	Dual phase extraction (DPE) well	
AS-1	Air sparge well (AS)	
VMP-1	Vapor monitoring point	
MW-1	Groundwater monitoring well	
VW/MW-4	Combination soil vapor extraction well/monitoring well	
VW/AS-3	Destroyed Well	
	100	TPHg isoconcentration contour in groundwater, concentrations in µg/L
	GW	Estimated groundwater flow direction
		Excavation Extent, 2015 (Approximate 15' Depth)
		Slurry Wall

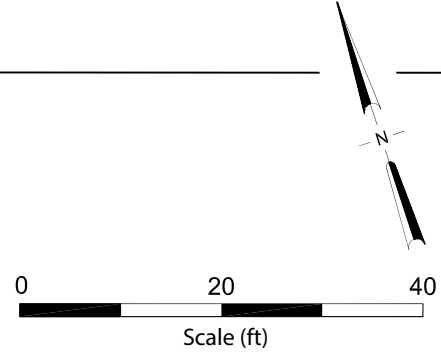
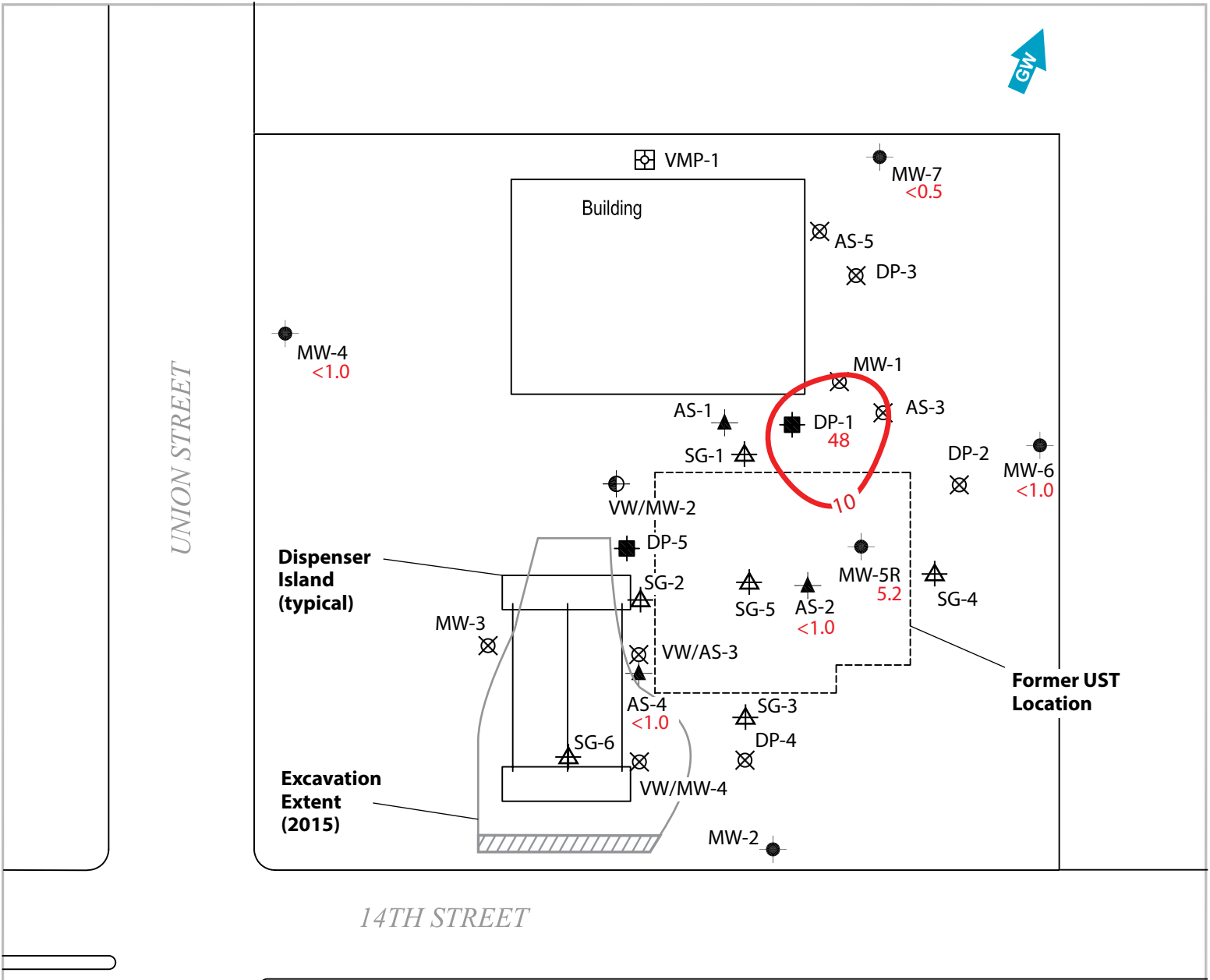


Figure
3



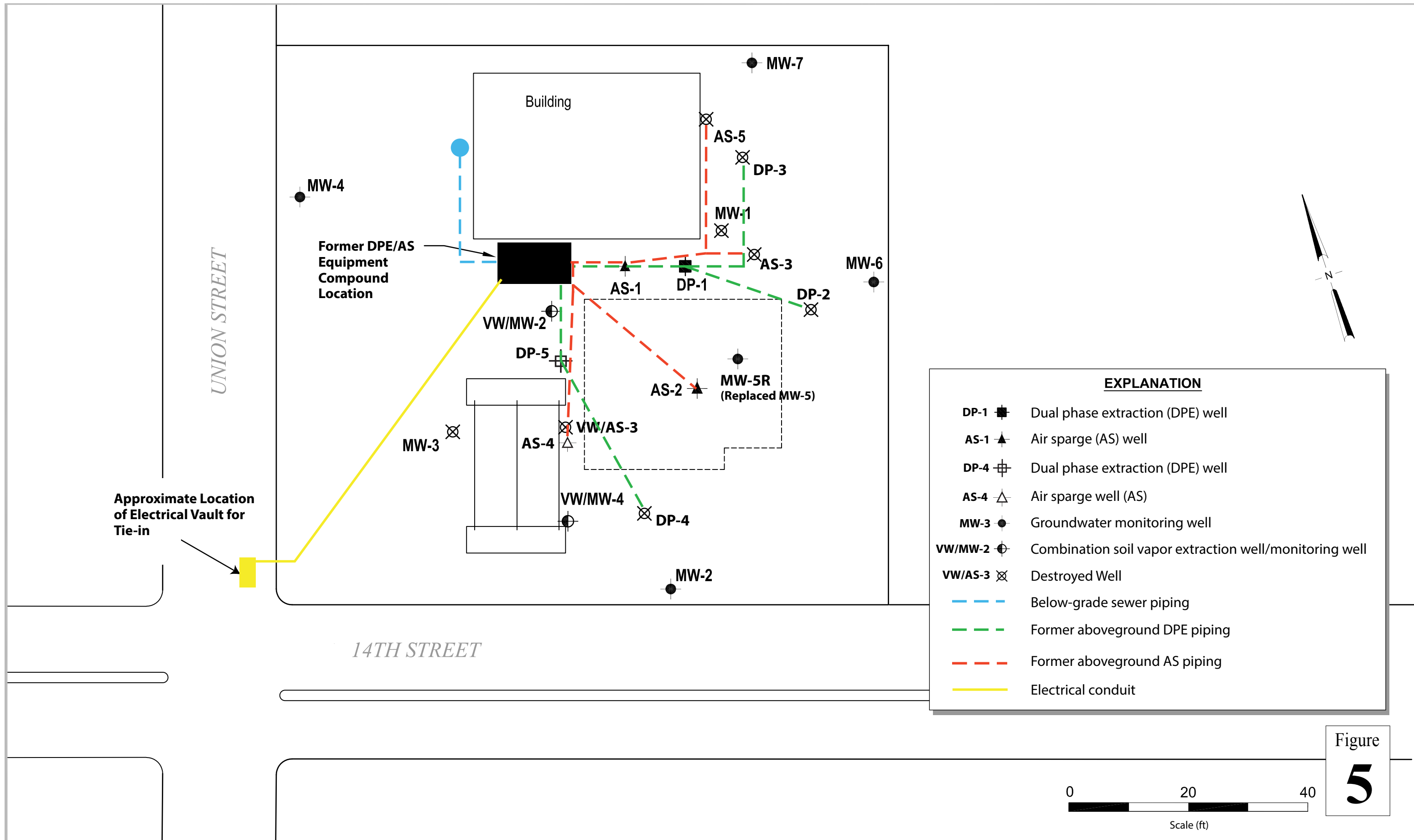
EXPLANATION

SG-5		Soil gas probe/Soil Boring (2014)	48	Benzene in groundwater, concentrations in µg/L
DP-1		Dual phase extraction (DPE) well		Benzene isoconcentration contour in groundwater, concentrations in µg/L
AS-1		Air sparge well (AS)		Excavation Extent, 2015 (Approximate 15' Depth)
VMP-1		Vapor monitoring point		Slurry Wall
MW-1		Groundwater monitoring well		
VW/MW-4		Combination soil vapor extraction well/monitoring well		
VW/AS-3		Destroyed Well		
		Estimated groundwater flow direction		

Scale (ft)

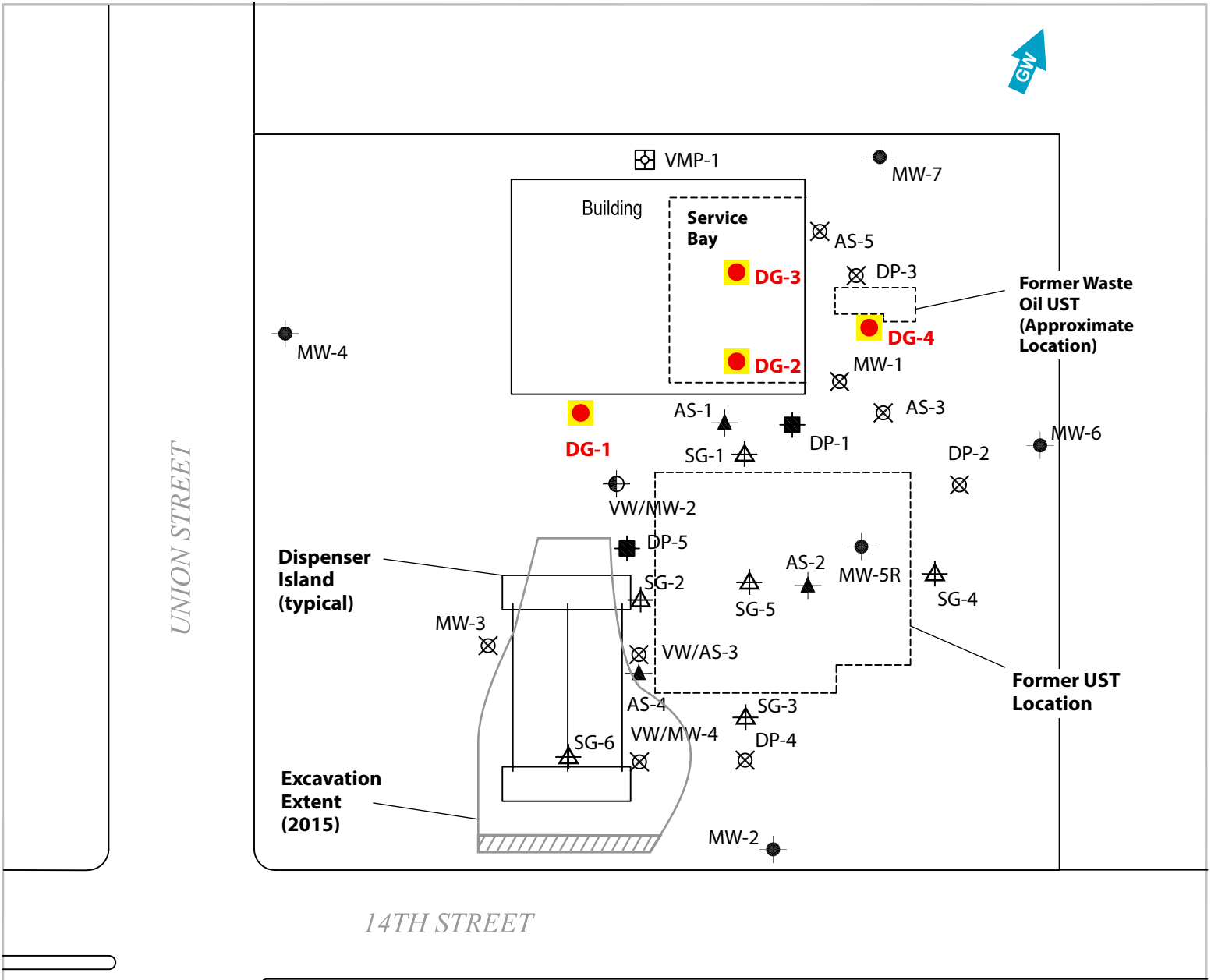
Figure

4



EXPLANATION	
DP-1	Dual phase extraction (DPE) well
AS-1	Air sparge (AS) well
DP-4	Dual phase extraction (DPE) well
AS-4	Air sparge well (AS)
MW-3	Groundwater monitoring well
VW/MW-2	Combination soil vapor extraction well/monitoring well
VW/AS-3	Destroyed Well
---	Below-grade sewer piping
---	Former aboveground DPE piping
---	Former aboveground AS piping
---	Electrical conduit

Figure
5



EXPLANATION	
DG-1	Proposed Soil Boring for Data Gap Assessment
SG-5	Soil gas probe/Soil Boring (2014)
DP-1	Dual phase extraction (DPE) well
AS-1	Air sparge well (AS)
VMP-1	Vapor monitoring point
MW-1	Groundwater monitoring well
VW/MW-4	Combination soil vapor extraction well/monitoring well
VW/AS-3	Destroyed Well
	Estimated groundwater flow direction
	Excavation Extent, 2015 (Approximate 15' Depth)
	Slurry Wall

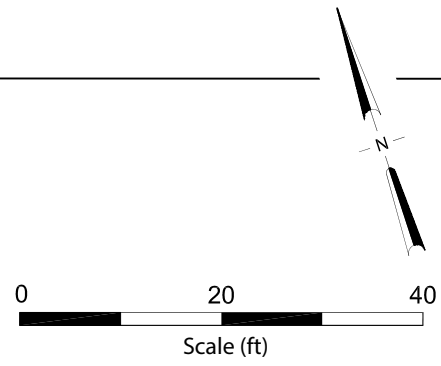


Figure
6

Pangea

Table 1. Groundwater Elevation and Analytical Data - Saberi, 1230 14th Street, Oakland, CA

Well ID	Date Measured	DTW (feet)	GWE (feet) (MSL)	TPHg (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Xylenes (ug/L)	MTBE (ug/L)	Dissolved Oxygen (mg/L)	Comments	
REMEDIATION WELLS												
AS-1	07/02/08	12.08	--	28,000	390	350	620	2,500	<500	--		
	08/18/08	13.05	--	1,500	12	6.1	6.7	91	<17	1.94/2.41		
	11/20/08	13.69	--	640	2.4	2.7	1.0	8.5	<5.0	2.51/2.91		
	02/18/09	12.09	--	270	1.1	2.2	<0.5	<0.5	<5.0	2.94/2.99		
	05/26/09	11.40	--	250	1.7	0.70	<0.5	3.5	<5.0	3.01/2.94		
	11/23/09	13.38	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	1.94/2.65		
	05/26/10	10.97	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	2.6/2.78		
	12/30/10										Well Inaccessible	
	19.69	05/23/11										Well Inaccessible
		12/27/11	14.02	5.67	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.69/0.75	
	06/30/12	24.29	-4.60	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--		
	05/23/14	13.01	6.68	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.23		
AS-2	07/02/08	11.98	--	9,600	380	620	170	1,000	<50	--		
	19.22	7/3/2014	13.42	5.80	110	0.80	<0.5	<0.5	2.8	<5.0	0.52/0.83	
		11/2/2016	13.29	5.93	<50	<1.0	<1.0	<1.0	<3.0	<5.0	--	
AS-3	07/02/08	12.42	--	2,800	340	7.2	20	37	<50	--		
	19.5	7/3/2014	13.60	5.90	<50	<0.5	<0.5	<0.5	<5.0	0.34/0.84		
AS-4	04/16/10	8.82	---	31,000	1,300	330	400	6,600	<500	--		
	18.93	07/25/13	12.75	6.18	200	1.8	0.63	1.3	7.5	<5.0	1.06/2.20	
		10/20/13	13.51	5.42	180	2.4	0.65	1.8	8.8	<5.0	1.12/2.01	
		07/03/14	13.11	5.82	74	0.93	<0.5	0.54	2.7	<5.0	0.47/0.63	
		11/02/16	7.12	11.81	<50	<1.0	<1.0	<1.0	<1.0	<5.0	--	
AS-5	04/16/10	10.03	---	120	2.5	1.3	1.2	17	<5.0	--		
	19.99	07/03/14	14.15	5.84	<50	<0.5	<0.5	<0.5	<5.0	2.78/1.14		
DP-1	07/03/08	12.43	--	34,000	5,100	1,800	1,300	4,900	<350	--		
	18.49	12/27/11	13.03	5.46	41,000	4,400	1,200	780	<1,000	0.83/0.91		
		06/30/12	11.25	7.24	2,800	66	41	43	420	<50	0.08	
		09/01/12	13.63	4.86	7,300	360	180	68	1,700	<250	2.09	
		09/30/12	13.47	5.02	--	--	--	--	--	--	--	
		12/14/12	10.98	7.51	<50	<0.5	<0.5	<0.5	<0.5	<5.0	1.4	
		03/24/13	11.30	7.19	5,000	420	82	200	500	<50	1.17/2.40	
		07/25/13	12.29	6.20	1,300	140	21	43	130	<10	1.12/2.17	

Pangea

Table 1. Groundwater Elevation and Analytical Data - Saberi, 1230 14th Street, Oakland, CA

Well ID	Date Measured	DTW (feet)	GWE (feet) (MSL)	TPHg (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Xylenes (ug/L)	MTBE (ug/L)	Dissolved Oxygen (mg/L)	Comments
	10/20/13	13.05	5.44	1,700	180	15	53	140	<50	1.25/1.93	
	07/03/14	12.70	5.79	380	59	3.2	5.3	20	<5.0	0.46	
	11/02/16	14.00	4.49	88	48	<1.0	<1.0	<3.0	<5.0	--	
DP-2	07/03/08	12.92	--	15,000	2,800	300	560	1,600	<150	--	
<i>19.04</i>	12/27/11	13.57	5.47	9,100	820	46	320	790	<80	0.60/0.58	
	09/01/12	13.83	5.21	2,300	100	17	61	440	<50	1.17	
	09/30/12	9.15	9.89	--	--	--	--	--	--	--	
	12/14/12	10.74	8.30	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.86	
	07/03/14	13.10	5.94	280	31	2.4	4.6	9.0	<5.0	0.56/0.41	
DP-3	07/02/08	13.21	--	14,000	4,400	100	720	150	<350	--	
<i>19.35</i>	12/27/11	13.92	5.43	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.59/0.66	
	09/30/12	14.35	5.00	--	--	--	--	--	--	--	
	12/14/12	11.67	7.68	--	--	--	--	--	--	--	
	07/03/14	13.53	5.82	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.41/0.38	

Pangea

Table 1. Groundwater Elevation and Analytical Data - Saberi, 1230 14th Street, Oakland, CA

Well ID	Date Measured	DTW (feet)	GWE (feet) (MSL)	TPHg (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Xylenes (ug/L)	MTBE (ug/L)	Dissolved Oxygen (mg/L)	Comments
DP-4	04/16/10	8.95	--	4,700	300	45	260	570	<100	--	
<i>18.21</i>	12/27/11	12.57	5.64	4,500	430	48	67	150	<300	0.79/0.80	
	09/01/12	12.26	5.95	590	3.6	15	2.6	140	<5.0	1.21	
	09/30/12	13.10	5.11	--	--	--	--	--	--	--	
	12/14/12	10.82	7.39	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.95	
	07/03/14	12.10	6.11	69	3.0	<0.5	0.96	2.5	<5.0	0.76/0.48	
DP-5	04/16/10	9.11	--	19,000	810	1,900	680	3,100	<350	--	
<i>18.36</i>	12/27/11	12.78	5.58	2,300	1900	1,700	960	3,000	<500	0.66/0.63	
	06/30/12	10.85	7.51	4,600	350	240	83	470	<50	0.14	
	09/01/12	13.51	4.85	8,100	270	910	180	1,700	<50	0.29	
	09/30/12	13.22	5.14	--	--	--	--	--	--	--	
	12/14/12	11.30	7.06	2,100	17	42	25	340	<50	0.61	
	03/24/13	11.32	7.04	1,600	55	72	24	190	<50	0.49/1.15	
	07/25/13	12.40	5.96	1,300	90	87	55	240	<10	0.57/1.19	
	10/20/13	12.89	5.47	4,200	290	420	98	770	<50	0.41/1.85	
	07/03/14	12.45	5.91	1,700	68	82	71	280	<5.0	0.66/0.94	

GROUNDWATER AND/OR REMEDIATION WELLS

MW-1	03/25/96	9.53	9.05	37,000	7,400	1,500	720	3,300	<500	--	
<i>18.58</i>	06/21/96	10.72	7.86	35,000	9,900	460	340	3,500	890	--	
	09/26/96	12.88	5.70	19,000	8,200	510	780	790	<250	--	
	12/19/96	12.59	5.99	27,000	120	1,200	1,400	2,800	<100	--	
	12/19/96	12.59	5.99	32,000	12,000	1,300	1,600	3,100	830	--	
	03/25/97	11.10	7.48	39,000	13,000	1,600	840	3,100	730	1.2	
	06/26/97	12.42	6.16	--	--	--	--	--	--	'--	
	09/26/97	13.31	5.27	--	--	--	--	--	--	0.8	
	12/05/97	12.65	5.93	--	--	--	--	--	--	0.3	
	02/19/98	6.46	12.12	16,000	5,500	450	500	800	<500	2.4	
	06/08/98	6.62	11.96	--	--	--	--	--	--	1.2	
	08/25/98	11.83	6.75	--	--	--	--	--	--	2.8	
	12/28/98	12.01	6.57	--	--	--	--	--	--	2.6	
	03/26/99	9.15	9.43	--	--	--	--	--	--	2.2	
	06/30/99	11.22	7.36	--	--	--	--	--	--	3.8	
	09/30/99	11.89	6.69	--	--	--	--	--	--	3.0	
	12/27/99	13.55	5.03	34,800	8,660	953	956	2,770	<1,000	2.4/2.1	
	01/21/00	13.42	5.16	40,600	14,700	1,850	1,210	3,670	<500	2.8	
	03/07/00	8.11	10.47	--	--	--	--	--	--	0.4	
	04/17/00	9.78	8.80	--	--	--	--	--	--	3.0/3.4	

Pangea

Table 1. Groundwater Elevation and Analytical Data - Saberi, 1230 14th Street, Oakland, CA

Well ID	Date Measured	DTW (feet)	GWE (feet) (MSL)	TPHg (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Xylenes (ug/L)	MTBE (ug/L)	Dissolved Oxygen (mg/L)	Comments
	04/18/00	--	--	18,300	8,060	543	528	872	<50.0	--	
	09/21/00	13.11	5.47	--	--	--	--	--	--	5.2	
	10/17/00	12.61	5.97	15,800	6,720	435	587	887	351(<66.7)	1.2/0.8	
	01/09/01	12.94	5.64	--	--	--	--	--	--	0.3	
	04/27/01	10.73	7.85	1,400	650	28	58	48	(<10)	1.8/2.1	
	07/03/01	12.00	6.58	--	--	--	--	--	--	1.8	
	12/06/01	10.53	8.05	4,500	1,500	85	160	210	(<50)	2.5/2.9	
	01/23/02	9.33	9.25	--	--	--	--	--	--	0.1	
	04/17/02	10.49	8.09	230	12	<0.50	4.6	2.5	(<5.0)	6.3/5.3	
	07/18/02	11.98	6.60	--	--	--	--	--	--	1.2	
	11/11/02	13.00	5.58	12,000	2,600	240	470	640	(-8.5)	0.2/0.2	
	01/16/03	9.68	8.90	--	--	--	--	--	--	4.4	
	03/13/03	10.45	8.13	820	340	2.7	<2.0	3.2	(<20)	2.8/0.9	
	04/23/03	10.32	8.26	900	550	19	49	49	(<50)	0.9/0.1	
	05/13/03	10.28	8.30	740	510	18	43	46	(<50)	0.1/0.2	
	06/13/03	11.16	7.42	<5,000	1,500	82	180	250	(<500)	0.3/0.8	
	07/14/03	11.66	6.92	5,300	3,400	160	340	420	(<20)	0.6/0.3	
	09/29/03	12.44	6.14	10,000	5,700	400	670	1,000	(<50)	0.6/0.7	
	10/29/03	12.63	5.95	19,000	6,600	560	820	1,300	(26)	0.6/0.4	
	01/05/04	10.17	8.41	380	140	7.1	6.2	16	(<1.0)	5.0/0.8	
(MW-1 cont'd)	04/01/04	9.57	9.01	79	0.59	<0.50	<0.50	<1.0	(<0.50)	4.6/1.2	
	07/02/04	11.81	6.77	4,100	2,100	33	110	81	(<10)	0.6/0.5	
	11/03/04	12.53	6.05	8,000	3,800	150	480	460	(<25)	1.45/2.1	
	01/04/05	9.39	9.19	120	23	1.6	2.0	3.5	(<0.50)	4.21/2.82	
	04/13/05	7.63	10.95	<50	<0.50	<0.50	<0.50	<0.50	(<0.50)	2.44/2.77	
	07/13/05	10.85	7.73	930 e	400	6.1	<5.0	10	(<5.0)	0.84/0.66	
	10/28/05	12.44	6.14	8,300	5,500	190	590	470	(<25)	0.2/0.2	
	01/17/06	8.61	9.97	<50	2.2	1.1	1.4	4.8	(<0.50)	5.8/5.3	
	02/23/06	9.60	8.98	--	18.1	2.22	1.89	4.50	--	--	
	03/09/06	7.65	10.93	--	1.80	<0.500	<0.500	1.82	--	--	
	04/21/06	6.35	12.23	<50.0	1.54	1.03	4.20	5.82	(<0.500)	--	
	05/01/06	7.38	11.20	268	41.3	4.62	3.83	26.1	(<0.500)	0.27/0.36	
	06/23/06	10.09	8.49	3,990	362	13.1	12.4	71.5	(<0.500)	--	
	07/11/06	10.09	8.49	6,190	3,740	52.0	67.8	982	(<0.500)	--	
	08/30/06	11.55	7.03	29,200	7,380	596	443	1,680	(4.45)	0.39/0.52	
	09/29/06	11.97	6.61	76,100	9,300	859 i	1,290	2,820 i	(<5.00)	--	
	10/13/06	12.08	6.50	49,500	7,580	770	1,030	2,860	(2.75)	--	
	11/03/06	12.47	6.11	42,600	8,450	592	869	1,970	(2.69)	2.60/1.15	
	12/26/06	11.80	6.78	19,000	4,600	360	640	1,300	(<5.0)	--	
	01/11/07	11.84	6.74	23,000	6,000	320	780	1,100	(<25)	--	

Pangea

Table 1. Groundwater Elevation and Analytical Data - Saberi, 1230 14th Street, Oakland, CA

Well ID	Date Measured	DTW (feet)	GWE (feet) (MSL)	TPHg (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Xylenes (ug/L)	MTBE (ug/L)	Dissolved Oxygen (mg/L)	Comments
	01/30/07	12.18	6.40	3,700	890	74	170	220	<25	1.18/0.76	
	03/01/07	10.74	7.84	2,600	670	32	41	180	<10	--	
	04/26/07	10.90	7.68	12,000 k,l	2,800	220	400	560	<20	--	
	06/01/07	11.49	7.09	15,000 k	3,900	380	670	1,010	(1.8)	0.31/0.43	
	06/21/07	12.07	6.51	13,000 k	3,800	400	620	1,060	<50	--	
	07/03/07	12.00	6.58	21,000 k	6,100	510	960	1,760	<50	--	
	08/16/07	12.55	6.03	20,000 k	5,800	460	1,100	1,730	<50	0.3/0.2	
	12/06/07	13.00	5.58	53,000	9,400	560	1,400	3,000	<25	--	
	02/25/08	9.91	8.67	<50	<0.5	<0.5	<0.5	<0.5	<5.0	3.74	
	05/26/08	11.90	6.68	9,300	2,200	67	140	130	<250	1.96/1.13	
	08/18/08	12.82	5.76	15,000	3,300	110	380	430	<250	0.97/0.77	
	11/20/08	13.46	5.12	18,000	4,700	190	770	910	<100	1.04/1.27	
	02/18/09	11.77	6.81	2,200	54	8.7	45	76	<10	1.21/1.40	
	05/26/09	11.18	7.40	750	31	7.1	3.5	23	<5.0	0.90/1.21	
	11/23/09	13.15	5.43	6,300	2,100	53	170	180	<250	1.12/1.85	
	05/26/10	10.74	7.84	550	96	6.2	3.1	14	<10	0.86/1.13	
	12/30/10	10.53	8.05	280	40	4.6	2.8	17	<5.0	0.88/1.07	
	05/23/11	10.21	8.37	<50	<0.5	<0.5	<0.5	<0.5	<5.0	1.68	
	12/27/11	13.15	5.43	6,900	140	51	54	370	<50	1.03/1.13	
	06/30/12	11.67	6.91	260	0.58	0.99	3.4	13	<5.0	6.18	
	09/01/12	13.56	5.02	220	0.60	1.0	7.8	13	<5.0	4.22	
	09/30/12	13.55	5.03	130	<0.5	0.61	2.9	1.4	<5.0	2.97/3.09	
	12/14/12	11.05	7.53	<50	0.53	<0.5	0.55	1.0	<5.0	1.98/2.15	
	03/24/13	11.43	7.15	240	0.93	1.5	5.7	6.2	<5.0	1.70/2.05	
	07/25/13	12.40	6.18	520	140	2.7	2.4	1.2	<10	2.10/2.65	
	10/20/13	13.10	5.48	340	14	2.6	7.5	14	<20	2.47/2.73	
	05/22/14	12.01	6.57	81	4.8	0.82	<0.5	<0.5	<5.0	0.41/0.84	
MW-2	03/25/96	8.19	9.71	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	
<i>17.90</i>	06/21/96	9.94	7.96	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	
	09/26/96	12.15	5.75	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	
	12/19/96	11.70	6.20	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	
	03/25/97	9.25	8.65	<50	<0.50	<0.50	<0.50	<0.50	<2.5	1.8	
	06/26/97	11.36	6.54	<50	<0.50	<0.50	<0.50	<0.50	<2.5	2.4	
	09/26/97	12.56	5.34	<50	<0.50	<0.50	<0.50	<0.50	<2.5	1.1	
	09/26/97	12.56	5.34	<50	<0.50	<0.50	<0.50	<0.50	<2.5	1.1	
	12/05/97	11.15	6.75	<50	<0.50	<0.50	<0.50	<0.50	<2.5	0.7	
	02/19/98	5.61	12.29	<50	<0.50	<0.50	<0.50	<0.50	<2.5	2.7	
	06/08/98	5.58	12.32	<50	<0.30	<0.30	<0.30	<0.60	<10	3.2	
	08/25/98	10.67	7.23	--	--	--	--	--	--	1.7	

Pangea

Table 1. Groundwater Elevation and Analytical Data - Saberi, 1230 14th Street, Oakland, CA

Well ID	Date Measured	DTW (feet)	GWE (feet) (MSL)	TPHg (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Xylenes (ug/L)	MTBE (ug/L)	Dissolved Oxygen (mg/L)	Comments
<i>(MW-2 cont'd)</i>	12/28/98	11.65	6.25	<50.0	<0.500	<0.500	<0.500	<0.500	<2.00	0.4/0.8	
	03/26/99	8.60	9.30	--	--	--	--	--	--	0.7	
	06/30/99	10.30	7.60	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	2.3	
	09/30/99	10.77	7.13	--	--	--	--	--	--	1.9	
	12/27/99	12.21	5.69	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	0.7/0.7	
	03/07/00	7.13	10.77	--	--	--	--	--	--	1.1	
	04/17/00	8.35	9.55	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	1.8/1.8	
	09/21/00	11.76	6.14	--	--	--	--	--	--	2.1	
	10/17/00	11.80	6.10	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	0.9/0.6	
	01/09/01	12.14	5.76	--	--	--	--	--	--	0.7	
	04/27/01	9.85	8.05	<50	<0.50	<0.50	<0.50	<0.50	(<0.50)	1.1/0.9	
	07/03/01	11.20	6.70	--	--	--	--	--	--	1.2	
	12/06/01	10.77	7.13	<50	<0.50	<0.50	<0.50	<0.50	(<5.0)	3.9/2.1	
	01/23/02	8.64	9.26	--	--	--	--	--	--	2.5	
	04/17/02	9.61	8.29	<50	<0.50	<0.50	<0.50	<0.50	(<5.0)	3.5/5.2	
	07/18/02	11.09	6.81	--	--	--	--	--	--	1.4	
	11/11/02	12.16	5.74	<50	<0.50	<0.50	<0.50	<0.50	(<5.0)	0.2/0.3	
	01/16/03	8.92	8.98	--	--	--	--	--	--	1.7	
	03/13/03	9.60	8.30	--	--	--	--	--	--	1.1	
	04/23/03	9.48	8.42	<50	<0.50	<0.50	<0.50	<1.0	(<5.0)	0.4/0.2	
	05/13/03	9.45	8.45	<50	<0.50	<0.50	<0.50	<1.0	(<5.0)	0.5/0.3	
	06/13/03	10.28	7.62	<50	<0.50	<0.50	<0.50	<1.0	(<5.0)	0.6/0.9	
	07/14/03	10.67	7.23	<50	<0.50	<0.50	<0.50	<1.0	(<0.50)	0.5/0.9	
	09/29/03	11.58	6.32	<50	<0.50	<0.50	<0.50	<1.0	(<0.50)	1.9/1.3	
	10/29/03	11.76	6.14	<50	<0.50	<0.50	<0.50	<1.0	(<0.50)	4.3/0.5	
	01/05/04	9.36	8.54	<50	<0.50	<0.50	<0.50	<1.0	(<0.50)	1.2/0.8	
	04/01/04	8.77	9.13	<50	<0.50	<0.50	<0.50	<1.0	(<0.50)	4.0/0.3	
	07/02/04	11.04	6.86	<50	<0.50	<0.50	<0.50	<1.0	(<0.50)	0.4/0.3	
	11/03/04	11.71	6.19	<50	<0.50	<0.50	<0.50	<1.0	(0.54)	6.4/1.40	
	01/04/05	8.68	9.22	<50	<0.50	<0.50	<0.50	<1.0	(0.62)	4.41/2.88	
	04/13/05	7.13	10.77	<50	<0.50	<0.50	<0.50	<0.50	(1.7)	0.71/0.23	
	07/13/05	10.30	7.60	<50	<0.50	<0.50	<0.50	<1.0	(2.3)	0.90/0.33	
	10/28/05	11.61	6.29	<50	<0.50	<0.50	<0.50	<1.0	(4.2)	0.4/0.1	
01/17/06	8.21	9.69	<50	<0.50	<0.50	<0.50	<0.50	(5.0)	0.8/0.2		
03/09/06	7.70	10.20	--	--	--	--	--	--	--		
04/21/06	5.83	12.07	--	--	--	--	--	--	--		
05/01/06	6.34	11.56	<50.0	<0.500	<0.500	<0.500	<0.500	(4.33)	0.52/0.18		
08/30/06	10.71	7.19	<50.0	<0.500	<0.500	<0.500	<0.500	(1.98)	0.51/1.04		
09/29/06	11.03	6.87	--	--	--	--	--	--	--		
11/03/06	11.62	6.28	<50.0	<0.500	<0.500	<0.500	<0.500	(3.08)	0.44/0.40		

Pangea

Table 1. Groundwater Elevation and Analytical Data - Saberi, 1230 14th Street, Oakland, CA

Well ID	Date Measured	DTW (feet)	GWE (feet) (MSL)	TPHg (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Xylenes (ug/L)	MTBE (ug/L)	Dissolved Oxygen (mg/L)	Comments
	01/30/07	11.30	6.60	<50	<0.50	<0.50	<0.50	<1.0	(2.9)	0.92/0.63	
	06/01/07	10.52	7.38	<50 k	0.71	<1.0	0.20 m	0.39 m	(1.7)	0.71/0.56	
	08/16/07	11.60	6.30	<50 k	<0.50	<1.0	<1.0	<1.0	(1.3)	0.5/0.2	
	12/06/07	12.39	5.51	<50	0.97	<0.5	0.56	1.5	(0.99)	--	
	02/25/08	9.15	8.75	<50	<0.5	<0.5	<0.5	<0.5	<5.0	2.82	
	05/26/08	11.02	6.88	<50	<0.5	<0.5	<0.5	<0.5	<5.0	1.86/1.32	
	08/18/08	11.97	5.93	<50	<0.5	<0.5	<0.5	<0.5	<5.0	1.45/1.12	
	11/20/08	12.64	5.26	<50	<0.5	<0.5	<0.5	<0.5	<5.0	1.10/1.16	
	02/18/09	11.14	6.76	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.98/1.11	
	05/26/09	10.31	7.59	<50	<0.5	<0.5	<0.5	<0.5	<5.0	1.03/1.49	
	11/23/09	12.32	5.58	--	--	--	--	--	--	--	
	05/26/10	9.92	7.98	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.99/1.43	
	12/30/10	9.80	8.10	--	--	--	--	--	--	--	
	05/23/11	9.37	8.53	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.48	
	12/27/11	12.31	5.59	--	--	--	--	--	--	--	
	06/30/12	10.49	7.41	<50	<0.5	<0.5	<0.5	<0.5	<5.0	3.46	
	09/30/12	12.80	5.10	--	--	--	--	--	--	--	
	12/14/12	10.37	7.53	--	--	--	--	--	--	--	
	03/24/13	10.59	7.31	--	--	--	--	--	--	--	
	07/25/13	11.60	6.30	--	--	--	--	--	--	--	
(MW-2 cont'd)	10/20/13	12.31	5.59	--	--	--	--	--	--	--	
	05/22/14	11.17	6.73	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.48/5.53	
MW-3	03/25/96	8.47	9.71	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	
18.18	06/21/96	10.40	7.78	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	
	09/26/96	12.45	5.73	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	
	12/19/96	12.14	6.04	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	
	03/25/97	9.54	8.64	<50	<0.50	<0.50	<0.50	<0.50	<2.5	2.2	
	06/26/97	11.66	6.52	<50	<0.50	<0.50	<0.50	<0.50	<2.5	3.6	
	09/26/97	12.85	5.33	<50	<0.50	<0.50	<0.50	<0.50	<2.5	1.1	
	12/05/97	11.44	6.74	<50	<0.50	<0.50	<0.50	<0.50	<2.5	0.6	
	02/19/98	6.78	11.40	<50	<0.50	<0.50	<0.50	<0.50	<2.5	3.6	
	06/08/98	6.82	11.36	<50	<0.30	<0.30	<0.30	<0.60	<10	3.8	
	06/08/98	6.82	11.36	<50	<0.30	<0.30	<0.30	<0.60	<10	3.8	
	08/25/98	11.09	7.09	--	--	--	--	--	--	1.2	
	12/28/98	11.84	6.34	<50.0	<0.500	<0.500	<0.500	<0.500	<2.00	0.9/0.6	
	03/26/99	8.57	9.61	--	--	--	--	--	--	0.8	
	06/30/99	10.61	7.57	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	4.8	
	09/30/99	11.53	6.65	--	--	--	--	--	--	1.4	
	12/27/99	12.35	5.83	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	1.4/2.5	

Pangea

Table 1. Groundwater Elevation and Analytical Data - Saberi, 1230 14th Street, Oakland, CA

Well ID	Date Measured	DTW (feet)	GWE (feet) (MSL)	TPHg (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Xylenes (ug/L)	MTBE (ug/L)	Dissolved Oxygen (mg/L)	Comments
	03/07/00	7.36	10.82	--	--	--	--	--	--	5.8	
	04/17/00	8.39	9.79	<50.0	<0.500	<0.500	<0.500	<0.500	19.3	6.5/5.1	
	09/21/00	12.01	6.17	--	--	--	--	--	--	3.0	
	10/17/00	12.10	6.08	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	2.0/1.0	
	01/09/01	12.43	5.75	--	--	--	--	--	--	1.9	
	04/27/01	10.10	8.08	<50	<0.50	<0.50	<0.50	<0.50	(<0.50)	2.3/2.4	
	07/03/01	11.45	6.73	--	--	--	--	--	--	1.4	
	12/06/01	11.07	7.11	<50	<0.50	<0.50	<0.50	<0.50	(<5.0)	2.8/3.9	
	01/23/02	8.89	9.29	--	--	--	--	--	--	3.1	
	04/17/02	9.92	8.26	<50	<0.50	<0.50	<0.50	<0.50	(<5.0)	3.7/3.2	
	07/18/02	11.42	6.76	--	--	--	--	--	--	1.6	
	11/11/02	12.44	5.74	<50	<0.50	<0.50	<0.50	<0.50	(<5.0)	0.3/0.4	
	01/16/03	9.25	8.93	--	--	--	--	--	--	2.1	
	03/13/03	9.84	8.34	--	--	--	--	--	--	1.2	
	04/23/03	9.71	8.47	<50	<0.50	<0.50	<0.50	<1.0	(<5.0)	0.7/0.2	
	05/13/03	9.70	8.48	<50	<0.50	<0.50	<0.50	<1.0	(<5.0)	0.6/0.2	
	06/13/03	10.58	7.60	<50	<0.50	<0.50	<0.50	<1.0	(<5.0)	0.4/1.3	
	07/14/03	10.98	7.20	<50	<0.50	<0.50	<0.50	<1.0	(<0.50)	0.4/0.3	
	09/29/03	11.84	6.34	<50	<0.50	<0.50	<0.50	<1.0	(<0.50)	1.4/1.1	
	10/29/03	12.05	6.13	58 b	<0.50	<0.50	<0.50	<1.0	(<0.50)	0.8/0.4	
	01/05/04	9.70	8.48	<50	<0.50	<0.50	<0.50	<1.0	(<0.50)	1.3/0.7	
	04/01/04	9.03	9.15	<50	<0.50	<0.50	<0.50	<1.0	(<0.50)	1.2/0.6	
	07/02/04	11.15	7.03	<50	<0.50	<0.50	<0.50	<1.0	(<0.50)	0.7/0.5	
	11/03/04	11.98	6.20	<50	<0.50	<0.50	<0.50	<1.0	(<0.50)	1.65/2.75	
	01/04/05	8.98	9.20	<50	<0.50	<0.50	<0.50	<1.0	(<0.50)	3.21/1.87	
	04/13/05	7.22	10.96	<50	<0.50	<0.50	<0.50	<0.50	(<0.50)	4.92/5.28	
	07/13/05	10.30	7.88	<50	<0.50	<0.50	<0.50	<1.0	(<0.50)	0.30/0.40	
	10/28/05	11.81	6.37	<50 f	<0.50	<0.50	<0.50	<1.0	(<0.50)	0.8/0.2	
	01/17/06	8.17	10.01	<50	<0.50	<0.50	<0.50	<0.50	(<0.50)	3.1/2.0	
	03/09/06	6.45	11.73	--	--	--	--	--	--	--	
	04/21/06	5.96	12.22	--	--	--	--	--	--	--	
	05/01/06	6.40	11.78	<50.0	<0.500	<0.500	<0.500	<0.500	<0.500(<0.500)	0.68/0.42	
	08/30/06	10.95	7.23	<50.0	<0.500	<0.500	<0.500	<0.500	<0.500(<0.500)	3.53/3.14	
	09/29/06	11.40	6.78	--	--	--	--	--	--	--	
	11/03/06	11.91	6.27	<50.0	<0.500	<0.500	<0.500	<0.500	<0.500(<0.500)	7.0/6.8	
	01/30/07	11.55	6.63	<50	<0.50	<0.50	<0.50	<1.0	<0.50(<0.50)	1.45/1.10	
	06/01/07	10.86	7.32	<50 k	0.34 m	<1.0	<1.0	<1.0	<1.0(<1.0)	0.62/0.56	
	08/16/07	11.87	6.31	<50 k	<0.50	<1.0	<1.0	<1.0	<1.0(<1.0)	0.2/0.2	
	12/06/07	14.43	3.75	<50	1.8	1.0	0.90	4.4	(<0.5)	--	
	02/25/08	9.37	8.81	<50	<0.5	<0.5	<0.5	<0.5	<5.0	4.91	

Pangea

Table 1. Groundwater Elevation and Analytical Data - Saberi, 1230 14th Street, Oakland, CA

Well ID	Date Measured	DTW (feet)	GWE (feet) (MSL)	TPHg (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Xylenes (ug/L)	MTBE (ug/L)	Dissolved Oxygen (mg/L)	Comments
<i>(MW-3 cont'd)</i>	05/26/08	11.31	6.87	<50	<0.5	<0.5	<0.5	<0.5	<5.0	1.79/2.01	
	08/18/08	12.28	5.90	<50	<0.5	<0.5	<0.5	<0.5	<5.0	1.57/1.52	
	11/20/08	12.84	5.34	<50	<0.5	<0.5	<0.5	<0.5	<5.0	1.24/1.68	
	02/18/09	11.45	6.73	<50	<0.5	<0.5	<0.5	<0.5	<5.0	1.16/1.38	
	05/26/09	10.62	7.56	<50	<0.5	<0.5	<0.5	<0.5	<5.0	1.21/1.40	
	11/23/09	12.59	5.59	--	--	--	--	--	--	--	
	05/26/10	10.17	8.01	<50	<0.5	<0.5	<0.5	<0.5	<5.0	1.29/1.38	
	12/30/10	10.08	8.10	--	--	--	--	--	--	--	
	05/23/11	9.63	8.55	<50	<0.5	<0.5	<0.5	<0.5	<5.0	1.52	
	12/27/11	12.58	5.60	--	--	--	--	--	--	--	
	06/30/12	10.60	7.58	<50	<0.5	<0.5	<0.5	<0.5	<5.0	2.53	
	09/30/12	13.02	5.16	--	--	--	--	--	--	--	
	12/14/12	10.58	7.60	--	--	--	--	--	--	--	
	03/24/13	10.86	7.32	--	--	--	--	--	--	--	
	07/25/13	11.85	6.33	--	--	--	--	--	--	--	
	10/20/13	12.09	6.09	--	--	--	--	--	--	--	
05/22/14	11.43	6.75	<50	<0.5	<0.5	<0.5	<0.5	<5.0	3.63		
MW-4 <i>18.01</i>	03/25/96	9.20	8.81	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	
	06/21/96	10.25	7.76	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	
	09/26/96	12.29	5.72	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	
	12/19/96	12.47	5.54	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	
	03/25/97	9.44	8.57	<50	<0.50	<0.50	<0.50	<0.50	<2.5	1.8	
	06/26/97	11.57	6.44	<50	<0.50	<0.50	<0.50	<0.50	<2.5	6.2	
	06/26/97	11.57	6.44	<50	<0.50	<0.50	<0.50	<0.50	<2.5	6.2	
	09/26/97	12.75	5.26	<50	<0.50	<0.50	<0.50	<0.50	<2.5	2.1	
	12/05/97	11.37	6.64	<50	<0.50	<0.50	<0.50	<0.50	<2.5	1.0	
	12/05/97	11.37	6.64	<50	<0.50	<0.50	<0.50	<0.50	<2.5	1.0	
	02/19/98	5.59	12.42	<50	<0.50	<0.50	<0.50	<0.50	<2.5	6.5	
	06/08/98	5.65	12.36	<50	<0.30	<0.30	<0.30	<0.60	<10	2.6	
	08/25/98	10.98	7.03	--	--	--	--	--	--	2.4	
	12/28/98	11.83	6.18	<50.0	<0.500	<0.500	<0.500	<0.500	<2.00	1.3/1.2	
	03/26/99	8.40	9.61	--	--	--	--	--	--	1.9	
	06/30/99	10.53	7.48	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	7.6	
	09/30/99	11.03	6.98	--	--	--	--	--	--	2.6	
	12/27/99	12.53	5.48	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	1.9/0.8	
	03/07/00	7.00	11.01	--	--	--	--	--	--	6.5	
04/17/00	8.57	9.44	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	5.1/5.1		
09/21/00	12.05	5.96	--	--	--	--	--	--	3.0		
10/17/00	11.96	6.05	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	5.5/1.2		

Pangea

Table 1. Groundwater Elevation and Analytical Data - Saberi, 1230 14th Street, Oakland, CA

Well ID	Date Measured	DTW (feet)	GWE (feet) (MSL)	TPHg (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Xylenes (ug/L)	MTBE (ug/L)	Dissolved Oxygen (mg/L)	Comments
	01/09/01	12.33	5.68	--	--	--	--	--	--	2.1	
	04/27/01	9.96	8.05	<50	<0.50	<0.50	<0.50	<0.50	<0.50	5.3/3.8	
	07/03/01	11.35	6.66	--	--	--	--	--	--	4.5	
	12/06/01	10.99	7.02	<50	<0.50	<0.50	<0.50	<0.50	<5.0	10.23/6.5	
	01/23/02	8.80	9.21	--	--	--	--	--	--	8.8	
	04/17/02	9.75	8.26	<50	<0.50	<0.50	<0.50	<0.50	<5.0	7.0/5.1	
	07/18/02	11.32	6.69	--	--	--	--	--	--	5.3	
	11/11/02	12.36	5.65	<50	<0.50	<0.50	<0.50	<0.50	<5.0	3.6/2.0	
	01/16/03	10.33	7.68	--	--	--	--	--	--	6.5	
	03/13/03	10.06	7.95	--	--	--	--	--	--	6.5	
	04/23/03	9.57	8.44	<50	<0.50	<0.50	<0.50	<1.0	<5.0	5.1/5.7	
	05/13/03	9.55	8.46	<50	<0.50	<0.50	<0.50	<1.0	<5.0	2.0/2.5	
	06/13/03	10.50	7.51	<50	<0.50	<0.50	<0.50	<1.0	<5.0	5.0/5.6	
	07/14/03	10.86	7.15	<50	<0.50	<0.50	<0.50	<1.0	<0.50	3.9/4.2	
	09/29/03	11.74	6.27	<50	<0.50	<0.50	<0.50	<1.0	<0.50	1.6/1.4	
	10/29/03	11.95	6.06	58 b	<0.50	<0.50	<0.50	<1.0	<0.50	2.4/1.0	
	01/05/04	10.35	7.66	<50	<0.50	<0.50	<0.50	<1.0	<0.50	7.4/7.5	
	04/01/04	8.81	9.20	<50	<0.50	<0.50	<0.50	<1.0	<0.50	6.0/6.4	
	07/02/04	11.10	6.91	<50	<0.50	<0.50	<0.50	<1.0	<0.50	0.8/0.6	
	11/03/04	11.85	6.16	<50	<0.50	<0.50	<0.50	<1.0	<0.50	1.3/2.84	
(MW-4 cont'd)	01/04/05	9.06	8.95	<50	<0.50	<0.50	<0.50	<1.0	<0.50	7.12/6.37	
	04/13/05	6.84	11.17	<50	<0.50	<0.50	<0.50	<0.50	<0.50	5.81/5.66	
	07/13/05	10.20	7.81	<50	<0.50	<0.50	<0.50	<1.0	<0.50	1.87/3.75	
	10/28/05	11.75	6.26	<50	<0.50	<0.50	<0.50	<1.0	<0.50	1.4/0.8	
	01/17/06	8.00	10.01	<50	<0.50	<0.50	<0.50	<0.50	<0.50	6.4/6.2	
	03/09/06	6.55	11.46	--	--	--	--	--	--	--	
	04/21/06	5.45	12.56	--	--	--	--	--	--	--	
	05/01/06	6.14	11.87	<50.0	<0.500	<0.500	<0.500	<0.500	<0.50	1.09/0.72	
	08/30/06	10.82	7.19	<50.0	<0.500	<0.500	<0.500	<0.500	<0.50	4.31/4.35	
	09/29/06	11.29	6.72	--	--	--	--	--	--	--	
	11/03/06	11.81	6.20	<50.0	<0.500	<0.500	<0.500	<0.500	<0.50	3.30/2.40	
	01/30/07	11.45	6.56	<50	<0.50	<0.50	<0.50	<1.0	<0.50	1.67/0.94	
	06/01/07	10.72	7.29	67 k	<0.50	<1.0	<1.0	<1.0	<1.0	0.93/0.81	
	08/16/07	11.81	6.20	<50 k	<0.50	<1.0	<1.0	<1.0	<1.0	0.5/1.3	
	12/06/07	12.34	5.67	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	
	02/25/08	9.03	8.98	<50	<0.5	<0.5	<0.5	<0.5	<5.0	6.84	
	05/26/08	11.23	6.78	<50	<0.5	<0.5	<0.5	<0.5	<5.0	6.59/5.22	
	08/18/08	12.20	5.81	<50	<0.5	<0.5	<0.5	<0.5	<5.0	7.99/2.89	
	11/20/08	12.83	5.18	<50	<0.5	<0.5	<0.5	<0.5	<5.0	3.51/3.18	
	02/18/09	11.23	6.78	<50	<0.5	<0.5	<0.5	<0.5	<5.0	2.90/3.15	

Pangea

Table 1. Groundwater Elevation and Analytical Data - Saberi, 1230 14th Street, Oakland, CA

Well ID	Date Measured	DTW (feet)	GWE (feet) (MSL)	TPHg (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Xylenes (ug/L)	MTBE (ug/L)	Dissolved Oxygen (mg/L)	Comments
	05/26/09	10.47	7.54	<50	<0.5	<0.5	<0.5	<0.5	<5.0	1.78/2.85	
	11/23/09	12.51	5.50	--	--	--	--	--	--	--	
	05/26/10	10.05	7.96	<50	<0.5	<0.5	<0.5	<0.5	<5.0	1.49/2.12	
	12/30/10	10.11	7.90	--	--	--	--	--	--	--	
	05/23/11	9.49	8.52	<50	<0.5	<0.5	<0.5	<0.5	<5.0	4.13	
	12/27/11	12.48	5.53	--	--	--	--	--	--	--	
	06/30/12	10.94	7.07	<50	<0.5	<0.5	<0.5	<0.5	<5.0	4.01	
	09/30/12	12.82	5.19	--	--	--	--	--	--	--	
	12/14/12	10.31	7.70	--	--	--	--	--	--	--	
	03/24/13	10.80	7.21	--	--	--	--	--	--	--	
	07/25/13	11.73	6.28	--	--	--	--	--	--	--	
	10/20/13	12.50	5.51	--	--	--	--	--	--	--	
	05/22/14	11.34	6.67	<50	<0.5	<0.5	<0.5	<0.5	<5.0	7.47/6.98	
	11/02/16	13.01	5.00	<50	<1.0	<1.0	<1.0	<3.0	<5.0	--	
MW-5	12/03/01	11.86	6.61	--	--	--	--	--	--	--	
<i>18.47</i>	12/06/01	11.40	7.07	31,000	3,000	2,000	1,100	3,000	(<50)	3.1/3.2	
	01/23/02	9.24	9.23	--	--	--	--	--	--	0.9	
	04/17/02	10.35	8.12	33,000	3,800	2,400	1,300	4,400	(<200)	5.3/3.8	
	07/18/02	11.82	6.65	--	--	--	--	--	--	0.8	
	11/11/02	12.86	5.61	100,000	7,100	12,000	3,000	17,000	(5.10)	1.2/1.4	
	01/16/03	9.57	8.90	--	--	--	--	--	--	0.0	
	03/13/03	10.30	8.17	33,000	2,800	2,200	980	4,600	(<100)	0.5/0.3	
	04/07/03	10.29	8.18	--	--	--	--	--	--	--	
	04/23/03	10.15	8.32	33,000	2,900	3,100	960	5,800	(<250)	0.1/0.1	
	05/13/03	10.12	8.35	30,000	2,600	1,500	850	4,500	(<250)	0.4/0.3	
	06/13/03	11.00	7.47	33,000	3,400	2,300	1,000	4,400	(<500)	0.3/0.3	
	07/14/03	11.39	7.08	41,000	5,100	3,500	1,400	5,100	(<50)	0.5/0.5	
	09/29/03	12.24	6.23	59,000	6,600	4,200	1,500	6,500	(<50)	0.6/0.5	
	10/29/03	12.45	6.02	45,000	6,800	3,500	1,500	6,400	(21)	0.5/0.3	
	01/05/04	9.97	8.50	26,000	4,900	1,700	1,100	3,300	(<50)	0.9/1.2	
	04/01/04	9.43	9.04	29,000	5,300	2,700	880	2,900	(<50)	0.3/1.0	
	07/02/04	11.62	6.85	19,000	5,300	740	1,100	1,400	(<50)	0.4/0.5	
	11/03/04	12.26	6.21	31,000	7,500	2,300	1,400	4,400	(<50)	2.5/1.9	
	01/04/05	9.13	9.34	18,000	3,500	1,200	730	2,300	(<25)	0.44/1.64	
	04/13/05	7.60	10.87	7,000	100	460	180	880	(<1.0)	0.17/0.45	
	07/13/05	10.63	7.84	9,400	2,400	840	440	1,100	(<13)	0.13/0.27	
	10/28/05	12.14	6.33	28,000	16,000	2,900	1,400	3,100	(<50)	0.3/1.3	
	01/17/06	8.52	9.95	6,700	1,200	720	400	1,500	(1.3)	0.6/2.6	
	02/23/06	9.22	9.25	--	4,630	1,470	709	2,310	--	--	

Pangea

Table 1. Groundwater Elevation and Analytical Data - Saberi, 1230 14th Street, Oakland, CA

Well ID	Date Measured	DTW (feet)	GWE (feet) (MSL)	TPHg (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Xylenes (ug/L)	MTBE (ug/L)	Dissolved Oxygen (mg/L)	Comments
<i>(MW-5 cont'd)</i>	03/09/06	7.15	11.32	--	474	90.3	63.3	169	--	--	
	04/21/06	5.82	12.65	<50.0	<0.500	<0.500	<0.500	<0.500	<0.500	--	
	05/01/06	7.23	11.24	779	6.77	41.1	20.0	130	<0.500	0.39/1.52	
	06/23/06	10.06	8.41	22,600	2,830	557	469	1,210	<0.500	--	
	07/11/06	10.06	8.41	31,100	3,880	2,080	857	3,700	<0.500	--	
	08/30/06	11.32	7.15	28,200	4,840	1,320	705	2,430	(5.35)	0.47/3.64	
	09/29/06	11.81	6.66	94,900	10,100	2,960	1,810	5,310 i	(7.20)	--	
	10/13/06	12.01	6.46	48,200	7,710	1,360	1,250	3,460	(5.64)	--	
	11/03/06	12.31	6.16	50,600	11,300	1,730	1,250	3,840	<0.500	0.60/4.10	
	12/26/06	11.58	6.89	32,000	11,000	780	1,200	2,800	<10	--	
	01/11/07	11.61	6.86	35,000	11,000	1,100	1,200	3,100	<50	--	
	01/30/07	11.95	6.52	27,000	9,800	610	860	2,400	<50	0.87/0.62	
	03/01/07	10.95	7.52	23,000	9,400	640	1,200	3,100	<50	--	
	04/26/07	10.69	7.78	48,000 k,1	14,000	1,300	1,600	3,600	<100	--	
	06/01/07	11.25	7.22	54,000 k	15,000	2,800	2,200	6,100	<100	0.44/0.87	
	06/21/07	11.96	6.51	32,000 k	12,000	1,200	1,400	2,780	<100	--	
	07/03/07	11.81	6.66	41,000 k	15,000	1,800	1,900	4,050	<100	--	
	08/16/07	12.36	6.11	43,000 k,1	13,000	2,000	2,000	4,150	<100	0.6/0.1	
	12/06/07	12.81	5.66	37,000	7,900	640	1,100	1,500	<17	--	
	02/25/08	9.75	8.72	3,000	640	9.7	52	77	20	2.19	
05/26/08	11.69	6.78	39,000	9,600	1,100	1,400	2,400	<250	1.10/1.52		
06/27/08											MW-5 drilled out and replaced with MW-5R
MW-5R	07/02/08	11.91	--	22,000	4,100	710	750	2,300	<250	--	
	08/18/08	12.59	--	27,000	3,100	340	780	2,100	<100	0.57/3.23	
	11/20/08	13.24	--	23,000	5,200	470	1,200	1,500	<250	0.83/2.50	
	02/18/09	11.58	--	32,000	4,500	610	990	1,400	<500	1.04/2.11	
	05/26/09	10.92	--	15,000	3,500	520	680	1,500	<200	0.85/1.05	
	11/23/09	12.92	--	15,000	3,200	350	560	940	<250	0.98/2.30	
	05/26/10	10.51	--	15,000	3,400	310	460	1,300	<350	0.88/0.95	
	12/30/10	10.35	--	11,000	3,400	190	360	620	<250	0.89/1.02	
<i>18.40</i>	05/23/11	9.98	8.42	7,000	1,000	49	320	190	<150	0.03	
	12/27/11	12.92	5.48	9,900	1,100	160	480	740	<250	0.32/0.47	
	06/30/12	12.15	6.25	3,400	300	53	120	150	<25	2.30	
	09/01/12	13.64	4.76	1,200	110	20	51	120	<10	1.94	
	09/30/12	13.36	5.04	2,800	360	32	140	52	<50	1.29/1.60	
	12/14/12	11.03	7.37	4,100	360	120	150	390	<50	2.11/2.51	
	03/24/13	11.18	7.22	1,200	140	7.8	12	7.3	<5.0	1.49/2.68	
	07/25/13	12.16	6.24	5,100	320	71	140	450	<50	0.92/1.56	
	10/20/13	12.94	5.46	3,600	210	59	62	400	<50	0.80/1.23	

Pangea

Table 1. Groundwater Elevation and Analytical Data - Saberi, 1230 14th Street, Oakland, CA

Well ID	Date Measured	DTW (feet)	GWE (feet) (MSL)	TPHg (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Xylenes (ug/L)	MTBE (ug/L)	Dissolved Oxygen (mg/L)	Comments
	05/22/14	11.80	6.60	2,800	56	60	69	370	<25	0.37	
	11/02/16	13.43	4.97	930	5.2	6.0	14	41	<5.0	--	
MW-6	12/03/01	12.19	6.65	--	--	--	--	--	--	--	
<i>18.84</i>	12/06/01	11.70	7.14	76	5.7	3.8	1.4	7.0	(<5.0)	6.3/6.1	
	01/23/02	9.57	9.27	--	--	--	--	--	--	8.7	
	04/17/02	10.73	8.11	<50	<0.50	<0.50	<0.50	<0.50	(<5.0)	9.8/9.1	
	07/18/02	12.27	6.57	--	--	--	--	--	--	1.7	
	11/11/02	13.24	5.60	580	55	<0.50	<0.50	2.8	(<5.0)	0.3/0.6	
	01/16/03	9.89	8.95	--	--	--	--	--	--	6.4	
	03/13/03	10.66	8.18	--	--	--	--	--	--	5.5	
	04/23/03	10.57	8.27	<50	<0.50	<0.50	<0.50	<1.0	(<5.0)	3.7/4.4	
	05/13/03	10.56	8.28	<50	<0.50	<0.50	<0.50	<1.0	(<5.0)	3.5/3.0	
	06/13/03	11.48	7.36	<50	<0.50	<0.50	<0.50	<1.0	(<5.0)	2.7/3.1	
	07/14/03	11.83	7.01	230 b	3.4	<0.50	<0.50	<1.0	(<0.50)	1.8/1.3	
	09/29/03	12.70	6.14	910 b	46	<2.5	<2.5	<5.0	(<2.5)	1.1/1.0	
	10/29/03	12.91	5.93	830	38	0.53	<0.50	3.3	(0.60)	1.2/0.9	
	01/05/04	10.35	8.49	93	0.92	<0.50	<0.50	<1.0	(<0.50)	6.2/4.3	
	04/01/04	9.80	9.04	<50	<0.50	<0.50	<0.50	<1.0	(<0.50)	3.5/3.4	
	07/02/04	12.09	6.75	370	3.0	<0.50	<0.50	<1.0	(<0.50)	0.6/1.0	
<i>(MW-6 cont'd)</i>	11/03/04	12.84	6.00	540	22	0.73	<0.50	1.5	(0.82)	2.28/0.84	
	01/04/05	9.55	9.29	<50	<0.50	<0.50	<0.50	<1.0	(<0.50)	6.71/5.16	
	04/13/05	7.89	10.95	<50	<0.50	<0.50	<0.50	<0.50	(<0.50)	2.99/2.87	
	07/13/05	11.13	7.71	170	6.2	1.1	<0.50	<1.0	(0.71)	0.10/1.32	
	10/28/05	12.74	6.10	490	22	<0.50	<0.50	<1.0	(<0.50)	0.6/0.3	
	01/17/06	8.80	10.04	<50	<0.50	<0.50	<0.50	<0.50	(<0.50)	5.3/4.9	
	02/23/06	9.54	9.30	--	<0.500	<0.500	<0.500	<0.500	--	--	
	03/09/06	7.25	11.59	--	<0.500	<0.500	<0.500	<0.500	--	--	
	04/21/06	6.34	12.50	<50.0	<0.500	<0.500	<0.500	<0.500	(<0.500)	--	
	05/01/06	7.32	11.52	<50.0	<0.500	<0.500	<0.500	<0.500	(<0.500)	0.72/0.63	
	06/23/06	10.12	8.72	<50.0	<0.500	<0.500	<0.500	<0.500	(<0.500)	--	
	07/11/06	10.12	8.72	<50.0	<0.500	<0.500	<0.500	<0.500	(<0.500)	--	
	08/30/06	11.79	7.05	<50.0	3.32	<0.500	<0.500	<0.500	(<0.500)	0.80/0.86	
	09/29/06	12.32	6.52	<50.0	1.59	<0.500	<0.500	<0.500	(<0.500)	--	
	10/13/06	12.38	6.46	934	3.14	<0.500	<0.500	<0.500	(<0.500)	--	
	11/03/06	12.77	6.07	112	10.6	<0.500	<0.500	<0.500	(<0.500)	3.80/1.10	
	12/26/06	12.05	6.79	690	62	<0.50	<0.50	4.5	(<0.50)	--	
	01/11/07	12.12	6.72	660	11	<0.50	<0.50	2.3	(<0.50)	--	
	01/30/07	12.44	6.40	310	1.5	<0.50	<0.50	<1.0	(<0.50)	1.47/0.81	
	03/01/07	10.97	7.87	360	3.6	<0.50	<0.50	0.87	(<0.50)	--	

Pangea

Table 1. Groundwater Elevation and Analytical Data - Saberi, 1230 14th Street, Oakland, CA

Well ID	Date Measured	DTW (feet)	GWE (feet) (MSL)	TPHg (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Xylenes (ug/L)	MTBE (ug/L)	Dissolved Oxygen (mg/L)	Comments
	04/26/07	11.18	7.66	210 k	0.72	<1.0	<1.0	<1.0	<1.0	--	
	06/01/07	11.72	7.12	640 k	3.1	<1.0	<1.0	0.27 m	<1.0	0.69/0.50	
	06/21/07	12.22	6.62	390 k	3.0	<1.0	<1.0	0.17 m	<1.0	--	
	07/03/07	12.22	6.62	360 k	3.0	<1.0	0.36 m	1.2	<1.0	--	
	08/16/07	12.74	6.10	400 k,l	2.8	<1.0	<1.0	<1.0	<1.0	0.4/0.1	
	12/06/07	13.24	5.60	130	<0.5	1.6	<0.5	<0.5	<0.5	--	
	02/25/08	10.26	8.58	<50	<0.5	<0.5	<0.5	<0.5	<5.0	1.81	
	05/26/08	12.20	6.64	<50	1.1	0.88	<0.5	<0.5	<5.0	6.77/6.59	
	08/18/08	13.10	5.74	160	11	2.4	<0.5	0.57	<5.0	1.13/3.35	
	11/20/08	13.73	5.11	120	1.1	1.7	<0.5	0.68	<5.0	0.98/2.11	
	02/18/09	11.95	6.89	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.70/1.92	
	05/26/09	11.46	7.38	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.72/1.65	
	11/23/09	13.42	5.42	220	1.3	2.6	<0.5	1.0	<15	0.91/1.51	
	05/26/10	11.04	7.80	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.82/1.49	
	12/30/10	10.83	8.01	150	0.73	2.4	<0.5	<0.5	<5.0	1.02/2.19	
	05/23/11	10.50	8.34	<50	<0.5	<0.5	<0.5	<0.5	<5.0	2.93	
	12/27/11	13.42	5.42	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.58/0.64	
	06/30/12	11.74	7.10	<50	<0.5	<0.5	<0.5	<0.5	<5.0	1.47	
	09/01/12	13.52	5.32	<50	<0.5	<0.5	<0.5	<0.5	<5.0	1.50	
	09/30/12	13.60	5.24	--	--	--	--	--	--	1.73/1.98	see note n
	10/30/12	13.48	5.36	<50	1.1	<0.5	<0.5	3.5	<5.0	2.04/3.24	
	12/14/12	11.13	7.71	<50	<0.5	<0.5	<0.5	<0.5	<5.0	1.29/1.90	
	03/24/13	11.72	7.12	<50	<0.5	<0.5	<0.5	<0.5	<5.0	1.17/1.85	
	07/25/13	12.69	6.15	63	<0.5	1.2	<0.5	<0.5	<5.0	1.21/1.90	
	10/20/13	13.38	5.46	<50	<0.5	<0.5	<0.5	<0.5	<5.0	1.05/1.74	
	07/03/14					Unable to locate					
	11/02/16	13.94	4.90	<50	<1.0	<1.0	<1.0	<3.0	<5.0	--	
MW-7	12/03/01	12.66	6.54	--	--	--	--	--	--	--	
<i>19.20</i>	12/06/01	12.20	7.00	1,800	390	<2.0	6.2	<2.0	<20	3.9/3.8	
	01/23/02	10.00	9.20	--	--	--	--	--	--	9.4	
	04/17/02	11.21	7.99	<50	<0.50	<0.50	<0.50	<0.50	<5.0	8.8/7.3	
	07/18/02	12.69	6.51	--	--	--	--	--	--	0.8	
	11/11/02	13.69	5.51	3,000	190	<0.50	<0.50	4.3	(5.2)	0.4/0.8	
	01/16/03	10.36	8.84	--	--	--	--	--	--	7.9	
	03/13/03	11.16	8.04	--	--	--	--	--	--	5.2	
	04/23/03	11.02	8.18	250	48	<0.50	<0.50	<1.0	<5.0	3.2/1.3	
	05/13/03	11.00	8.20	1,700	550	<2.5	<2.5	<5.0	<25	2.0/1.5	
	06/13/03	11.90	7.30	1,500 b	470	<2.5	<2.5	<5.0	<25	1.8/1.6	
	07/14/03	12.29	6.91	1300 b	1,200	<10	<10	<20	<10	0.4/0.2	

Pangea

Table 1. Groundwater Elevation and Analytical Data - Saberi, 1230 14th Street, Oakland, CA

Well ID	Date Measured	DTW (feet)	GWE (feet) (MSL)	TPHg (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Xylenes (ug/L)	MTBE (ug/L)	Dissolved Oxygen (mg/L)	Comments
<i>(MW-7 cont'd)</i>	09/29/03	13.12	6.08	5,200	1,200	<10	<10	<20	<(10)	0.9/0.9	
	10/29/03	13.34	5.86	4,800	1,100	<5.0	<5.0	<10	(8.9)	0.4/0.3	
	01/05/04	10.85	8.35	53	6.7	<0.50	<0.50	<1.0	<(0.50)	1.4/2.3	
	04/01/04	10.28	8.92	<50	<0.50	<0.50	<0.50	<1.0	<(0.50)	5.5/6.2	
	07/02/04	12.48	6.72	8,100 d	3,400	<25	<25	<50	<(25)	0.8/0.8	
	11/03/04	13.25	5.95	3,700	1,200	<5.0	<5.0	<10	<(5.0)	1.9/0.8	
	01/04/05	10.02	9.18	<50	2.0	<0.50	<0.50	<1.0	<(0.50)	6.31/5.71	
	04/13/05	8.46	10.74	<50	<0.50	<0.50	<0.50	<0.50	<(0.50)	5.87/5.89	
	07/13/05	11.57	7.63	1,100	380	9.2	<2.5	37	<(2.5)	0.30/0.33	
	10/28/05	13.15	6.05	5,100	2,900	<13	<13	<25	<(13)	0.6/0.9	
	01/17/06	9.30	9.90	<50	<0.50	<0.50	<0.50	<0.50	<(0.50)	6.4/7.4	
	02/23/06	10.03	9.17	--	<0.500	<0.500	<0.500	<0.500	--	--	
	03/09/06	7.70	11.50	--	<0.500	<0.500	<0.500	<0.500	--	--	
	04/21/06	6.66	12.54	<50.0	<0.500	<0.500	<0.500	<0.500	<(0.500)	--	
	05/01/06	7.72	11.48	<50.0	<0.500	<0.500	<0.500	<0.500	<(0.500)	0.67/0.98	
	06/23/06	10.55	8.65	<50.0	<0.500	<0.500	<0.500	<0.500	<(0.500)	--	
	07/11/06	10.55	8.65	<50.0	<0.500	<0.500	<0.500	<0.500	<(0.500)	--	
	08/30/06	12.35	6.85	1,520	150	13.3	5.78	53.0	(0.640)	0.52/0.79	
	09/29/06	12.66	6.54	2,420	384	1.80	<0.500	5.44	(0.850)	--	
	10/13/06	12.85	6.35	5,980	549	0.540	0.680	11.7	(0.930)	--	
	11/03/06	13.73	5.47	3,190	501	<0.500	<0.500	5.38	(0.560)	2.2/1.4	
	12/26/06	12.51	6.69	4,600	570	<0.50	44	2.1	<(0.50)	--	
	01/11/07	12.55	6.65	3,900	490	<2.5	46	<5.0	<(2.5)	--	
	01/30/07	12.89	6.31	2,500	380	<2.5	40	<5.0	<(2.5)	1.37/0.90	
	03/01/07	11.45	7.75	2,600	350	<2.5	35	3.5	<(2.5)	--	
	04/26/07	11.62	7.58	2,300 k	290	<5.0	31	1.3 m	<(5.0)	--	
	06/01/07	12.23	6.97	4,400 k	350	<2.0	19	<2.0	(1.1 m)	0.04/0.71	
	06/21/07	12.67	6.53	2,600 k	260	<2.0	12	<2.0	(1.4 m)	--	
	07/03/07	12.76	6.44	1,700 k	170	<1.0	7.7	0.86 m	<(1.0)	--	
	08/16/07	13.20	6.00	1,900 k	44	<1.0	<1.0	<1.0	<(1.0)	0.5/1.1	
	12/06/07	13.73	5.47	510	21	3.1	5.8	14	(1.2)	--	
	02/25/08	10.65	8.55	<50	<0.5	<0.5	<0.5	<0.5	<5.0	1.11	
05/26/08	12.62	6.58	600	190	2.3	<0.5	<0.5	<35	1.31/3.52		
08/18/08	13.52	5.68	540	71	2.7	<0.5	0.85	<25	1.12/4.75		
11/20/08	14.14	5.06	160	2.2	1.3	<0.5	<0.5	<10	1.46/2.90		
02/18/09	12.48	6.72	<50	<0.5	<0.5	<0.5	<0.5	<5.0	1.08/2.70		
05/26/09	11.90	7.30	<50	2.8	0.60	<0.5	<0.5	<5.0	1.02/1.77		
11/23/09	13.85	5.35	230	3.8	3.5	<0.5	<0.5	<30	1.08/2.14		
05/26/10	11.46	7.74	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.88/1.61		
12/30/10	11.18	8.02	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.91/1.7		

Pangea

Table 1. Groundwater Elevation and Analytical Data - Saberi, 1230 14th Street, Oakland, CA

Well ID	Date Measured	DTW (feet)	GWE (feet) (MSL)	TPHg (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Xylenes (ug/L)	MTBE (ug/L)	Dissolved Oxygen (mg/L)	Comments
	05/23/11	8.98	10.22	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.91	
	12/27/11	13.84	5.36	<50	<0.5	<0.5	<0.5	<0.5	<5.0	1.81/2.02	
	06/30/12	12.29	6.91	<50	<0.5	<0.5	<0.5	<0.5	<5.0	2.92	
	09/30/12	14.15	5.05	<50	<0.5	<0.5	<0.5	<0.5	<5.0	2.46/2.70	
	12/14/12	11.61	7.59	<50	<0.5	<0.5	<0.5	<0.5	<5.0	1.90/2.25	
	03/24/13	12.15	7.05	<50	<0.5	<0.5	<0.5	<0.5	<5.0	1.80/1.97	
	07/25/13	13.07	6.13	<50	0.65	<0.5	<0.5	<0.5	<5.0	1.68/2.04	
	10/20/13	13.82	5.38	160	0.79	1.2	<0.5	<0.5	<10	1.19/1.95	
	05/22/14	12.75	6.45	<50	<0.5	0.73	<0.5	<0.5	<5.0	2.35/4.21	
	11/02/16	14.35	4.85	<50	<0.5	<0.5	<0.5	<1.5	<1.0	--	See note 1 below
VW/MW-2	03/25/96	9.04	9.26	13,000	900	920	180	1,500	<250	--	
<i>18.30</i>	06/21/96	10.48	7.82	27,000	4,100	1,100	1,400	3,200	700	--	
	09/26/96	12.52	5.78	27,000	5,300	1,900	980	2,200	<500	--	
	09/26/96	12.52	5.78	29,000	5,800	2,200	1,100	2,500	<250	--	
	12/19/96	12.42	5.88	50,000	6,200	5,100	1,700	5,600	590	--	
	03/25/97	9.83	8.47	210	5.6	<0.50	0.52	<0.50	14	2.0	
	03/25/97	9.83	8.47	250	1.7	0.58	0.51	<0.50	4.7	2.0	
	06/26/97	12.43	5.87	--	--	--	--	--	--	--	
	09/26/97	12.98	5.32	--	--	--	--	--	--	0.9	
<i>(VW/MW-2 cont'd)</i>	12/05/97	12.20	6.10	--	--	--	--	--	--	0.4	
	02/19/98	5.83	12.47	<50	1.5	<0.50	<0.50	0.71	<2.5	3.6	
	06/08/98	5.80	12.50	--	--	--	--	--	--	1.0	
	08/25/98	11.72	6.58	--	--	--	--	--	--	4.8	
	12/28/98	11.69	6.61	--	--	--	--	--	--	2.7	
	03/26/99	8.75	9.55	--	--	--	--	--	--	2.8	
	06/30/99	10.72	7.58	--	--	--	--	--	--	4.7	
	09/30/99	12.24	6.06	--	--	--	--	--	--	4.9	
	12/27/99	13.92	4.38	13,500	1,330	1,310	490	1,400	<250	2.1/1.9	
	01/21/00	13.26	5.04	12,100	2,200	1,080	429	1,120	<250	2.8	
	03/07/00	7.87	10.43	--	--	--	--	--	--	3.7	
	04/17/00	9.65	8.65	--	--	--	--	--	--	3.7/4.1	
	04/18/00	--	--	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	--	
	09/21/00	12.75	5.55	--	--	--	--	--	--	6.2	
	10/17/00	12.21	6.09	4,070	763	589	214	501	<50.0	0.8/0.7	
	01/09/01	12.51	5.79	--	--	--	--	--	--	0.7	
	04/27/01	10.21	8.09	80	5.7	<0.50	2.7	4.9	(<0.50)	2.3/2.8	
	07/03/01	11.60	6.70	--	--	--	--	--	--	0.6	
	12/06/01	11.15	7.15	160	1.7	1.0	1.8	4.6	(<5.0)	3.7/2.3	
	01/23/02	9.07	9.23	--	--	--	--	--	--	0.5	

Pangea

Table 1. Groundwater Elevation and Analytical Data - Saberi, 1230 14th Street, Oakland, CA

Well ID	Date Measured	DTW (feet)	GWE (feet) (MSL)	TPHg (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Xylenes (ug/L)	MTBE (ug/L)	Dissolved Oxygen (mg/L)	Comments
	04/17/02	10.11	8.19	<50	2.1	<0.50	<0.50	<0.50	<0.50	4.9/4.4	
	07/18/02	11.61	6.69	--	--	--	--	--	--	0.9	
	11/11/02	12.63	5.67	15,000	1,300	1,300	680	1,800	<5.0	0.2/0.2	
	01/16/03	9.35	8.95	--	--	--	--	--	--	0.4	
	03/13/03	10.09	8.21	--	--	--	--	--	--	0.8	
	04/07/03	10.09	8.21	--	--	--	--	--	--	--	
	04/23/03	9.95	8.35	1,100	76	29	45	66	<5.0	0.8/0.3	
	05/13/03	9.90	8.40	1,200	38	16	16	24	<5.0	0.2/0.2	
	06/13/03	10.80	7.50	9,600	1,300	1,100	440	890	<250	0.2/0.5	
	07/14/03	11.20	7.10	11,000	1,300	1,800	430	1,500	<5.0	0.5/0.5	
	09/29/03	12.05	6.25	12,000	860	980	410	1,100	<10	0.4/0.4	
	10/29/03	12.29	6.01	12,000	1,100	940	530	1,200	<10	0.7/0.3	
	01/05/04	9.82	8.48	190 b	<0.50	<0.50	<0.50	<1.0	<0.50	2.8/1.8	
	04/01/04	9.24	9.06	410	1.4	0.54	1.6	1.0	<0.50	1.7/0.1	
	07/02/04	11.33	6.97	5,500	440	370	170	410	<2.5	0.5/0.4	
	11/03/04	12.14	6.16	3,800	260	210	150	600	<2.5	0.9/1.4	
	01/04/05	9.03	9.27	280	5.8	20	7.8	26	<0.50	1.66/2.66	
	04/13/05	7.38	10.92	<50	<0.50	<0.50	<0.50	<0.50	<0.50	0.79/0.58	
	07/13/05	10.45	7.85	350	19	9.3	9.8	14	<0.50	0.10/0.08	
	10/28/05	11.98	6.32	3,400	440	350	150	320	<2.5	0.4/0.1	
	01/17/06	8.34	9.96	700	3.1	5.1	7.7	66	<0.50	2.7/1.6	
	02/23/06	9.42	8.88	--	97.9	17.2	40.0	80.6	--	--	
	03/09/06	7.35	10.95	--	<0.500	29.2	57.8	486	--	--	
	04/21/06	5.99	12.31	<50.0	<0.500	0.960	<0.500	2.71	<0.500	--	
	05/01/06	7.25	11.05	<50.0	<0.500	<0.500	<0.500	<0.500	<0.500	0.43/0.10	
	06/23/06	10.05	8.25	3,150	35.6	9.24	20.7	113	<0.500	--	
	07/11/06	10.05	8.25	9,270	413	78.2	91.5	341	(2.40)	--	
	08/30/06	11.12	7.18	4,900	135	45.5	73.3	180	(2.40)	0.37/0.62	
	09/29/06	11.61	6.69	12,300	243	142	290	634	(2.50)	--	
	10/13/06	12.01	6.29	19,300	292	169	384	1,080	(1.84)	--	
	11/03/06	12.12	6.18	9,300	655	233	366	729	(4.15)	2.0/1.05	
	12/26/06	11.41	6.89	2,600	61	50	74	250	<0.50	--	
	01/11/07	11.45	6.85	5,200	160	190	170	570	<0.50	--	
	01/30/07	12.21	6.09	2,200	160	20	84	200	<2.5	1.37/0.79	
	03/01/07	10.40	7.90	520	0.50	0.53	3.3	15	<0.50	--	
	04/26/07	10.51	7.79	5,700 k	220	140	170	420	<2.0	--	
	06/01/07	11.00	7.30	4,300 k	150	150	140	380	<2.0	0.36/0.23	
	06/21/07	11.78	6.52	9,000 k	540	500	350	870	(1.8 m)	--	
	07/03/07	11.64	6.66	4,500 k	230	160	160	440	<5.0	--	
	08/16/07	12.12	6.18	8,800 k	550	520	430	1,020	<5.0	0.3/0.1	

Pangea

Table 1. Groundwater Elevation and Analytical Data - Saberi, 1230 14th Street, Oakland, CA

Well ID	Date Measured	DTW (feet)	GWE (feet) (MSL)	TPHg (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Xylenes (ug/L)	MTBE (ug/L)	Dissolved Oxygen (mg/L)	Comments
<i>(VW/MW-2 cont'd)</i>	12/06/07	12.43	5.87	2,600	110	84	64	180	(2.4)	--	
	02/25/08	9.55	8.75	620	100	4.1	4.9	2.0	<5.0	2.48	
	05/26/08	11.53	6.77	7,200	350	200	220	510	<100	1.52/0.99	
	08/18/08	12.45	5.85	7,000	420	160	180	460	<100	0.70/0.67	
	11/20/08	13.09	5.21	3,400	86	84	75	230	<50	0.93/1.47	
	02/18/09	11.35	6.95	1,400	3.5	16	7.2	28	<15	0.77/1.18	
	05/26/09	10.76	7.54	1,000	9.5	26	17	56	<5.0	0.84/1.19	
	11/23/09	12.77	5.53	270	2.7	5.0	1.5	3.5	<5.0	0.81/2.49	
	05/26/10	10.36	7.94	490	3.5	12	4.3	23	<5.0	0.69/0.94	
	12/30/10	10.11	8.19	180	0.75	4.0	1.2	4.8	<5.0	0.79/1.02	
	05/23/11	9.83	8.47	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.68	
	12/27/11	12.78	5.52	280	3.1	6.2	1.5	1.4	<10	0.72/0.77	
	06/30/12	10.63	7.67	<50	<0.5	0.54	<0.5	3.1	<5.0	4.41	
	09/30/12	13.35	4.95	<50	0.57	<0.5	<0.5	<0.5	<5.0	2.02/1.90	
	12/14/12	10.90	7.40	110	<0.5	2.1	<0.5	0.96	<5.0	1.48/1.72	
	03/24/13	11.10	7.20	--	--	--	--	--	--	--	
	07/25/13	12.03	6.27	--	--	--	--	--	--	--	
	10/20/13	12.80	5.50	--	--	--	--	--	--	--	
05/22/14	11.64	6.66	<50	<0.5	0.91	<0.5	<0.5	<5.0	0.49/1.03		
VW/MW-4 <i>18.14</i>	03/25/96	8.45	9.69	83,000	6,500	7,000	2,000	11,000	<250	--	
	03/25/96	8.45	9.69	84,000	6,400	7,000	2,100	12,000	<250	--	
	06/21/96	10.38	7.76	110,000	14,000	15,000	3,700	17,000	1,700	--	
	06/21/96	10.38	7.76	100,000	12,000	12,000	2,900	13,000	<1,000	--	
	09/26/96	12.43	5.71	52,000	13,000	2,700	2,100	3,200	<500	--	
	12/19/96	11.87	6.27	75,000	15,000	6,600	3,000	7,600	<1,250	--	
	03/25/97	9.60	8.54	56,000	4,700	1,500	2,500	6,300	580	2.4	
	06/26/97	12.36	5.78	--	--	--	--	--	--	--	
	09/26/97	12.82	5.32	--	--	--	--	--	--	0.4	
	12/05/97	12.15	5.99	--	--	--	--	--	--	0.3	
	02/19/98	5.85	12.29	4,100	320	40	44	520	<50	1.8	
	02/19/98	5.85	12.29	4,300	340	44	47	540	<50	1.8	
	06/08/98	5.87	12.27	--	--	--	--	--	--	1.8	
	08/25/98	10.96	7.18	--	--	--	--	--	--	2.5	
	12/28/98	11.28	6.86	--	--	--	--	--	--	0.9	
	03/26/99	8.45	9.69	--	--	--	--	--	--	1.9	
	06/30/99	9.70	8.44	--	--	--	--	--	--	3.6	
	09/30/99	11.78	6.36	--	--	--	--	--	--	2.6	
12/27/99	12.63	5.51	33,900	3,740	2,000	1,130	5,090	587	0.4/0.2		
01/21/00	13.07	5.07	13,900	1,560	568	227	1,990	<500(21.0a)	1.0		

Pangea

Table 1. Groundwater Elevation and Analytical Data - Saberi, 1230 14th Street, Oakland, CA

Well ID	Date Measured	DTW (feet)	GWE (feet) (MSL)	TPHg (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Xylenes (ug/L)	MTBE (ug/L)	Dissolved Oxygen (mg/L)	Comments
	03/07/00	7.82	10.32	--	--	--	--	--	--	0.9	
	04/17/00	9.18	8.96	--	--	--	--	--	--	1.4/1.9	
	04/18/00	--	--	757	103	8.59	30.8	84.2	<25.0	--	
	09/21/00	12.18	5.96	--	--	--	--	--	--	5.0	
	10/17/00	12.03	6.11	8,360	2,060	391	468	1,170	147	0.7/0.8	
	01/09/01	12.42	5.72	--	--	--	--	--	--	0.9	
	04/27/01	10.13	8.01	7,100	2,300	50	460	250	(<10)	1.0/1.4	
	07/03/01	11.42	6.72	--	--	--	--	--	--	1.2	
	12/06/01	11.02	7.12	7,700	750	90	300	350	(<25)	2.5/1.9	
	01/23/02	8.89	9.25	--	--	--	--	--	--	0.4	
	04/17/02	9.89	8.25	4,800	760	27	240	150	(<25)	4.7/5.1	
	07/18/02	11.37	6.77	--	--	--	--	--	--	0.6	
	11/11/02	12.41	5.73	14,000	2,800	480	700	1,300	(<100)	0.3/0.3	
	01/16/03	9.17	8.97	--	--	--	--	--	--	0.8	
	03/13/03	9.85	8.29	--	--	--	--	--	--	1.1	
	04/23/03	9.74	8.40	2,400	710	28	160	100	(<50)	0.2/0.05	
	05/13/03	9.70	8.44	3,300	720	35	170	160	(<50)	0.2/0.2	
	06/13/03	10.55	7.59	8,200	1,700	220	460	790	(<250)	0.3/0.3	
	07/14/03	10.90	7.24	3,700	900	190	220	540	(<10)	0.5/0.4	
	09/29/03	11.83	6.31	7,500	1,800	300	390	860	(<20)	0.5/0.6	
(VW/MW-4 cont'd)	10/29/03	12.03	6.11	10,000	2,600	400	510	1,200	(<13)	0.5/0.4	
	01/05/04	9.60	8.54	1,000	70	12	30	56	(<1.0)	1.7/1.2	
	04/01/04	9.00	9.14	1,000	64	7.0	22	18	(<1.0)	0.6/0.1	
	07/02/04	11.00	7.14	5,600	1,500	57	380	180	(<10)	0.4/0.4	
	11/03/04	11.85	6.29	9,400	2,400	210	560	890	(<10)	1.5/2.1	
	01/04/05	8.89	9.25	110	12	<0.50	2.3	<1.0	(<0.50)	2.40/1.05	
	04/13/05	7.25	10.89	<50	<0.50	<0.50	<0.50	<0.50	(<0.50)	1.55/0.52	
	07/13/05	10.20	7.94	1,300	520	5.1	100	17	(<2.5)	0.08/0.08	
	10/28/05	11.84	6.30	2,500	830	44	170	140	(5.4)	0.6/0.2	
	01/17/06	8.05	10.09	<50	<0.50	<0.50	0.56	<0.50	(<0.50)	2.7/0.6	
	02/23/06	8.77	9.37	--	1.42	0.930	0.580	<0.500	--	--	
	03/09/06	6.75	11.39	--	<0.500	<0.500	<0.500	0.680	--	--	
	04/21/06	5.69	12.45	<50.0	<0.500	<0.500	<0.500	<0.500	(<0.500)	--	
	05/01/06	6.65	11.49	<50.0	<0.500	<0.500	<0.500	<0.500	(<0.500)	0.51/0.37	
	06/23/06	9.22	8.92	920	8.69	1.32	5.63	9.68	(<0.500)	--	
	07/11/06	9.22	8.92	<50.0	109	<0.500	3.91	<0.500	(<0.500)	--	
	08/30/06	10.87	7.27	2,360	331	12.8	65.4	29.3	(2.64)	0.24/0.56	
	09/29/06	11.40	6.74	5,920	327	23.2 i	146	112 i	(2.63)	--	
	10/13/06	11.53	6.61	6,560	299	16.6	134	90.4	(3.58)	--	
	11/03/06	11.87	6.27	3,530	212	9.14	87.8	52.8	(5.11)	2.60/4.0	

Pangea

Table 1. Groundwater Elevation and Analytical Data - Saberi, 1230 14th Street, Oakland, CA

Well ID	Date Measured	DTW (feet)	GWE (feet) (MSL)	TPHg (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Xylenes (ug/L)	MTBE (ug/L)	Dissolved Oxygen (mg/L)	Comments
	12/26/06	11.17	6.97	960	43	1.0	17	2.7	<0.50	--	
	01/11/07	11.18	6.96	830	86	1.8	41	3.9	(1.40)	--	
	01/30/07	11.53	6.61	2,100	450	15	99	46	(3.0)	1.13/0.91	
	03/01/07	10.00	8.14	700	4.8	<0.50	1.8	0.77	<0.50	--	
	04/26/07	10.26	7.88	930 k	84	5.2	21	9.5	<1.0	--	
	06/01/07	10.80	7.34	2,000 k	340	7.6	58	17.6	(1.7 m)	0.46/0.42	
	06/21/07	11.32	6.82	1,400 k	360	9.7	46	26.1	(2.2)	--	
	07/03/07	11.39	6.75	2,700 k	650	24	91	65	<2.0	--	
	08/16/07	11.87	6.27	1,400 k	240	8.8	32	42.3	<5.0	0.3/0.1	
	12/06/07	12.40	5.74	3,600	480	16	39	29	(3.5)	--	
	02/25/08	9.39	8.75	56	22	<0.5	<0.5	0.50	<5.0	4.61	
	05/26/08	11.27	6.87	650	76	7.9	4.9	<0.5	<5.0	0.95/0.96	
	08/18/08	12.23	5.91	2,700	540	28	28	71	<25	0.78/0.79	
	11/20/08	12.87	5.27	2,000	390	19	13	49	<50	1.17/0.95	
	02/18/09	11.29	6.85	850	17	11	3.6	25	<15	0.82/1.02	
	05/26/09	10.55	7.59	540	16	11	1.3	1.1	<10	0.81/1.06	
	11/23/09	12.55	5.59	1,200	200	12	3.5	12	<5.0	0.84/1.66	
	05/26/10	10.15	7.99	410	26	6.3	2.3	3.7	<5.0	0.77/0.84	
	12/30/10	9.96	8.18	520	14	8.7	2.3	2.4	<5.0	0.8/1.26	
	05/23/11	9.91	8.23	150	33	2.2	3.4	2.1	<5.0	0.50	
	12/27/11	12.57	5.57	460	24	4.0	0.99	<0.5	<5.0	0.61	
	06/30/12	11.01	7.13	3,400	640	42	39	190	<50	1.29	
	09/30/12	13.10	5.04	4,100	1,000	39	130	250	<50	1.06/1.24	
	12/14/12	10.71	7.43	2,200	33	23	0.62	190	<25	0.75/1.02	see note o
	03/24/13	10.84	7.30	1,800	140	11	27	76	<50	0.41/1.35	
	07/25/13	11.80	6.34	2,800	480	31	79	180	<90	1.08/1.96	
	10/20/13	12.61	5.53	1,400	250	8.5	25	63	<50	1.18/2.06	
	05/22/14	11.40	6.74	590	38	3.6	14	38	<5.0	0.27/0.81	
VW/AS-1	03/25/96	8.98	9.62	--	--	--	--	--	--	--	
<i>18.60</i>	06/21/96	10.95	7.65	--	--	--	--	--	--	--	
	09/26/96	12.98	5.62	--	--	--	--	--	--	--	
	12/19/96	12.67	5.93	--	--	--	--	--	--	--	
	03/25/97	10.12	8.48	--	--	--	--	--	--	--	
	06/26/97	12.34	6.26	--	--	--	--	--	--	--	
	09/26/97	13.40	5.20	--	--	--	--	--	--	--	
	12/05/97	11.96	6.64	--	--	--	--	--	--	5.2	
	02/19/98	6.22	12.38	--	--	--	--	--	--	1.3	
	06/08/98	6.20	12.40	--	--	--	--	--	--	1.0	
	08/25/98	11.59	7.01	--	--	--	--	--	--	1.6	

Pangea

Table 1. Groundwater Elevation and Analytical Data - Saberi, 1230 14th Street, Oakland, CA

Well ID	Date Measured	DTW (feet)	GWE (feet) (MSL)	TPHg (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Xylenes (ug/L)	MTBE (ug/L)	Dissolved Oxygen (mg/L)	Comments
(VW/AS-1 cont'd)	12/28/98	11.74	6.86	--	--	--	--	--	--	1.3	
	03/26/99	9.20	9.40	--	--	--	--	--	--	1.3	
	06/30/99	11.08	7.52	--	--	--	--	--	--	2.1	
	09/30/99	11.94	6.66	--	--	--	--	--	--	1.9	
	12/27/99	11.01	7.59	8,940	2,000	95.7	1,200	570	606	1.6/1.8	
	03/07/00	7.35	11.25	--	--	--	--	--	--	--	
	04/17/00	9.08	9.52	--	--	--	--	--	--	1.9/2.0	
	04/18/00	--	--	20,800	6,550	1,220	2,270	1,720	<250	--	
	09/21/00	11.98	6.62	--	--	--	--	--	--	2.1	
	10/17/00	12.62	5.98	38,400	7,240	5,980	1,960	5,730	534(72.4)	2.5/1.0	
	01/09/01	13.03	5.57	--	--	--	--	--	--	1.9	
	04/27/01	10.71	7.89	34,000	8,000	2,100	2,500	2,000	(<25)	2.9/2.1	
	07/03/01	12.03	6.57	--	--	--	--	--	--	2.0	
	12/06/01	11.63	6.97	6,000	990	35	820	59	(<25)	1.2/0.8	
	01/23/02	9.34	9.26	--	--	--	--	--	--	0.9	
	04/17/02	10.41	8.19	12,000	2,900	57	1,400	98	(<200)	3.3/2.9	
	07/18/02	12.13	6.47	--	--	--	--	--	--	0.3	
	11/11/02	13.15	5.45	2,200	340	7.3	250	24	(<20)	1.2/1.3	
	01/16/03	9.73	8.87	--	--	--	--	--	--	2.3	
	03/13/03	10.45	8.15	11,000	2,500	55	1,800	170	(<100)	2.1/1.9	
	04/07/03	10.40	8.20	--	--	--	--	--	--	--	
	04/23/03	10.28	8.32	9,500	4,100	200	1,400	200	(<250)	1.2/0.4	
	05/13/03	10.26	8.34	9,700	2,300	110	1,100	140	(<250)	0.5/2.0	
	06/13/03	11.15	7.45	9,300	2,300	77	820	<100	(<500)	1.0/0.5	
	07/15/03	11.62	6.98	5,500	2,000	230	620	360	(20)	1.8/1.9	
	09/29/03	12.48	6.12	9,600	2,300	100	1,200	670	(<20)	2.3/3.6	
	10/29/03	12.73	5.87	10,000	2,000	39	1,000	370	(16)	3.3/3.6	
	01/05/04	10.25	8.35	2,000	710	18	410	18	(13)	3.0/2.8	
	04/01/04	9.60	9.00	27,000	9,100	1,200	2,200	1,400	(<50)	1.0/1.4	
	07/02/04	11.80	6.80	18,000	6,500	170	1,200	1,200	(<50)	3.2/0.8	
	11/03/04	12.56	6.04	4,500	1,700	23	280	55	(9.8)	1.7/1.9	
	01/04/05	9.50	9.10	7,500	2,500	74	540	110	(<13)	1.19/0.53	
	04/13/05	7.84	10.76	34,000	6,600	290	930	2,100	(<15)	1.60/1.88	
	07/13/05	10.90	7.70	--	--	--	--	--	--	--	
	07/22/05	10.96	7.64	8,200	5,900	86	340	320	(<25)	1.7/1.0	
	10/28/05	12.30	6.30	2,100	1,300	18	63	21	(<5.0)	0.5/1.6	

Pangea

Table 1. Groundwater Elevation and Analytical Data - Saberi, 1230 14th Street, Oakland, CA

Well ID	Date Measured	DTW (feet)	GWE (feet) (MSL)	TPHg (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Xylenes (ug/L)	MTBE (ug/L)	Dissolved Oxygen (mg/L)	Comments
	01/17/06	8.65	9.95	6,200 g	2,900	190	400	600	(4.70)	1.4/1.0	
	02/23/06	9.33	9.27	--	3,080	222	414	778	--	--	
	03/09/06	7.40	11.20	--	1,350	88.5	128	164	--	--	
	04/21/06	6.44	12.16	18,200	4,460	167	419	717	(2.79)	--	
	05/01/06	7.22	11.38	19,700	5,300	261	664	1,050	(<0.500)	0.71/1.23	
	06/23/06	9.73	8.87	20,600	3,820	305	259	435	(3.31 h)	--	
	07/11/06	9.73	8.87	9,130	6,200	108	232	254	(<0.500)	--	
	08/30/06	11.60	7.00	164,000	3,190	6,240	3,780	17,900	(<10.0)	0.4	
	09/29/06	11.97	6.63	130,000	6,160	6,370 i	2,910	11,600 i	(<25.0)	--	
	10/13/06	12.18	6.42	144,000	6,320	5,710	2,930	13,100	(1.03)	--	
	11/03/06	12.21	6.39	112,000	8,290	5,670	2,760	12,100	(<0.500)	0.80	
	12/26/06	11.74	6.86	94,000	6,900	5,100	3,100	13,000	(<50)	--	
	01/11/07	11.83	6.77	73,000	6,600	5,500	3,000	12,000	(<50)	--	
	01/30/07	12.12	6.48	54,000	6,800	4,500	2,200	8,800	(<50)	1.16/1.16	
	03/01/07	10.71	7.89	52,000	6,300	3,700	3,400	12,000	(<50)	--	
	04/26/07	10.84	7.76	72,000 k	7,200	4,500	3,000	10,900	(<50)	--	
	06/01/07	11.40	7.20	70,000 k	7,600	4,900	3,200	12,100	(<50)	0.60/1.09	
	06/21/07	11.92	6.68	59,000 k	7,300	3,700	3,200	12,100	(<50)	--	
	07/03/07	11.98	6.62	70,000 k	8,800	4,700	3,500	13,500	(<50)	--	
	08/16/07	12.53	6.07	67,000 k	9,000	5,500	3,900	14,200	(<50)	0.2/0.1	
(VW/AS-1 cont'd)	12/06/07	12.97	5.63	180,000	9,500	5,000	4,100	16,000	(<17)	--	
	02/25/08	9.84	8.76	47,000	3,500	1,200	1,500	4,400	<350	2.39	
	05/26/08	11.88	6.72	82,000	8,100	3,000	3,100	12,000	<500	1.65/1.05	
	06/27/08										VW/AS-1 drilled out and replaced with AS-1
VW/AS-2	03/09/06	6.95	--	--	--	--	--	--	--	--	
VW/AS-3	03/25/96	8.50	9.67	--	--	--	--	--	--	--	
18.17	06/21/96	10.42	7.75	--	--	--	--	--	--	--	
	09/26/96	12.49	5.68	--	--	--	--	--	--	--	
	12/19/96	12.28	5.89	--	--	--	--	--	--	--	
	03/25/97	9.61	8.56	--	--	--	--	--	--	--	
	06/26/97	11.80	6.37	--	--	--	--	--	--	--	
	09/26/97	12.89	5.28	--	--	--	--	--	--	--	
	12/05/97	11.38	6.79	--	--	--	--	--	--	1.8	
	02/19/98	6.24	11.93	--	--	--	--	--	--	1.3	
	06/08/98	6.25	11.92	--	--	--	--	--	--	1.2	
	08/25/98	11.43	6.74	--	--	--	--	--	--	1.3	
	12/28/98	11.63	6.54	--	--	--	--	--	--	1.7	
	03/26/99	8.92	9.25	--	--	--	--	--	--	1.5	

Pangea

Table 1. Groundwater Elevation and Analytical Data - Saberi, 1230 14th Street, Oakland, CA

Well ID	Date Measured	DTW (feet)	GWE (feet) (MSL)	TPHg (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Xylenes (ug/L)	MTBE (ug/L)	Dissolved Oxygen (mg/L)	Comments
	06/30/99	10.71	7.46	--	--	--	--	--	--	2.5	
	09/30/99	11.78	6.39	--	--	--	--	--	--	1.5	
	12/27/99	12.57	5.60	488	47.9	2.60	16.9	8.50	35.4	1.5/2.1	
	03/07/00	4.82	13.35	--	--	--	--	--	--	--	
	04/17/00	8.69	9.48	--	--	--	--	--	--	2.0/2.4	
	04/18/00	--	--	3,110	871	<5.00	141	56.8	78.2	--	
	09/21/00	11.65	6.52	--	--	--	--	--	--	2.5	
	10/17/00	12.13	6.04	7,730	2,700	<50.0	542	344	<250(42.1)	1.6/1.0	
	01/09/01	12.51	5.66	--	--	--	--	--	--	2.2	
	04/27/01	10.20	7.97	14,000	3,900	62	690	560	(46)	2.8/1.6	
	07/03/01	11.55	6.62	--	--	--	--	--	--	2.6	
	12/06/01	11.10	7.07	5,000	1,200	19	380	320	(<50)	0.9/1.1	
	01/23/02	8.93	9.24	--	--	--	--	--	--	1.1	
	04/17/02	10.00	8.17	17,000	5,000	<25	1,100	390	(<250)	3.2/3.2	
	07/18/02	11.49	6.68	--	--	--	--	--	--	0.4	
	11/11/02	12.43	5.74	1,700	290	1.5	150	2.8	(<10)	1.0/1.1	
	01/16/03	9.32	8.85	--	--	--	--	--	--	4.7	
	03/13/03	9.88	8.29	--	--	--	--	--	--	2.7	
	04/23/03	9.85	8.32	150	47	0.67	8.5	3.2	(<5.0)	2.1/0.7	
	05/13/03	9.81	8.36	440	35	<0.50	1.7	<1.0	(<5.0)	1.4/1.8	
	06/13/03	10.77	7.40	580	71	<2.5	40	<5.0	(<25)	1.1/0.6	
	07/14/03	11.12	7.05	1,100	120	4.9	63	9.3	(16)	2.0/2.2	
	09/29/03	12.02	6.15	160	54	2.2	6.9	8.7	(1.1)	4.1/1.6	
	10/29/03	12.25	5.92	350	16	<0.50	1.1	<1.0	(6.3)	3.2/1.6	
	01/05/04	9.74	8.43	2,700	870	39	130	250	(5.5)	3.6/2.8	
	04/01/04	9.06	9.11	1,300	240	4.1	36	45	(12.0)	1.1/1.0	
	07/02/04	11.29	6.88	610	59	<1.0	3.6	<2.0	(10.0)	2.0/2.2	
	11/03/04	12.02	6.15	200	<0.50	<0.50	<0.50	<1.0	(10.0)	2.1/2.3	
	01/04/05	8.99	9.18	2,500	730	42	36	190	(<10)	1.72/1.36	
	04/13/05	7.25	10.92	<50	1.6	<0.50	<0.50	<0.50	(0.61)	2.85/3.04	
	07/13/05	10.30	7.87	--	--	--	--	--	--	--	
	07/22/05	10.51	7.66	160	36	0.65	<0.50	2.5	(2.60)	1.4/1.3	
	10/28/05	11.93	6.24	100	<0.50	<0.50	<0.50	<1.0	(1.70)	1.6/0.9	
	01/17/06	8.25	9.92	1,400	510	29	16	47	(5.40)	1.9/0.8	
	04/21/06	6.06	12.11	--	--	--	--	--	--	--	
	05/01/06	6.83	11.34	1,350	74.4	<0.500	12.5	0.520	(3.30)	1.35/0.78	
	08/30/06	11.00	7.17	940	77.7	2.67	2.94	5.57	(3.45)	0.80/0.98	
	09/29/06	11.30	6.87	--	--	--	--	--	--	--	
	11/03/06	12.29	5.88	346 j	83.6 j	5.17 j	2.34 j	13.5 j	(3.47 j)	1.10/0.80	
(VW/AS-3 cont'd)	01/30/07	12.59	5.58	130	13	0.64	<0.50	7.2	(3.4)	0.76/0.64	

Pangea

Table 1. Groundwater Elevation and Analytical Data - Saberi, 1230 14th Street, Oakland, CA

Well ID	Date Measured	DTW (feet)	GWE (feet) (MSL)	TPHg (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Xylenes (ug/L)	MTBE (ug/L)	Dissolved Oxygen (mg/L)	Comments
	06/01/07	10.82	7.35	2,200 k	650	13	3.2 m	143	(7.8)	1.21/0.93	
	08/16/07	11.95	6.22	1,000 k	200	4.0	1.1	47.7	(3.3)	0.8/0.2	
	12/06/07	12.43	5.74	<50	<0.5	<0.5	<0.5	<0.5	(<0.5)	--	
	02/25/08	9.40	8.77	<50	<0.5	<0.5	<0.5	<0.5	<0.5	3.14	
	05/26/08	11.20	6.97	1,800	260	6.0	4.3	35	<17	0.86/4.39	
	6/26/2008						Well Destroyed				

Notes:

a = Sample was analyzed outside of the EPA recommended holding time.

b = Hydrocarbon reported does not match the pattern of the laboratory's standard.

c = Top of casing change due to maintenance.

d = Sample contains discrete peak in addition to gasoline.

e = Quantity of unknown hydrocarbon(s) in sample based on gasoline.

f = The concentration reported reflects individual or discrete unidentified peaks not matching a typical fuel pattern.

g = The concentration indicated for this analyte is an estimated value above the calibration range of the instrument.

h = Secondary ion abundances were outside method requirements. Identification based on a'-lytical judgement.

i = Analyte was detected in the associated Method Blank.

j = pH>2

k = Analyzed by EPA Method 8015B (M).

l = 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.

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

n = MW-6 sample analysis from 9/30/12 not listed due to anomalous results; re-sampled 10/30/12 to confirm anomalous results and concentrations from 10/30 are representative.

o = CTAS/Non-ionic Surfactants by EPA Method 5540D detected at 1,800 µg/L (BOC).

1 = MW-7 was also analyzed for Metals by EPA Method 6010B, Mercury by EPA Method 7470/7471, Volatile Organic Hydrocarbons by EPA Method 8260B, Semi-Volatile Organic Hydrocarbons by EPA Method 8270C. Of these analytes, the only detection was Barium at a concentration of 98 ug/L.

Site surveyed November 1, 2001 by Virgil Chavez Land Surveying of Vallejo, CA.

Site remediation wells surveyed March 21, 2011 by Virgil Chavez Land Surveying of Vallejo, CA.

TPHg = Total petroleum hydrocarbons as gasoline by modified EPA Method 8015C.

Benzene, Toluene, Ethylbenzene, and Xylenes by EPA Method 8260B from April 27, 2001 through August 16, 2007. Concentrations prior to April 27, 2001 and after August 16, 2007 by EPA Method 8021B.

MTBE = Methyl tert-butyl ether by EPA Method 8021B, concentrations in parentheses by EPA Method 8260B

-- = Not applicable

ug/L = micrograms per liter (Parts per billion)

mg/L = milligrams per liter (Parts per million)

MSL = Mean sea level

ft. = Feet

<n = Below detection limit

(D) = Duplicate sample

n/n = Pre-purge/Post-purge Dissolved Oxygen Readings

BOC = Bio-Organic Catalyst

APPENDIX A

Groundwater Monitoring Program

Table A - Groundwater Monitoring Program: 2016

1230 14th Street, Oakland, CA

Well ID	Well Type	Screened Interval (ft bgs)	Well Location for Monitoring	Casing Diam. (in)	Gauge Frequency	Sample Frequency ¹
Monitoring Wells						
MW-2*	Mon	7.5-22.5	S Upgradient	2	Q	Q
MW-4	Mon	7-22	NW Crossgradient	2	Q	Q
MW-5R	Mon	5-20	Source	4	Q	Q
MW-6	Mon	5-20	E Downgradient	4	Q	Q
MW-7	Mon	5-20	NE Downgradient	4	Q	Q
Remediation/Monitoring Wells						
AS-1*	Mon/Air Sparging	22-25	N Source	1	Q	Q
AS-2	Air Sparging	22-25	--	1	Q	Q
AS-4	Air Sparging	22-25	--	1	Q	Q
VW/MW-2*	Mon/Vapor Extraction	6-22	W Crossgradient	2	Q	Q
DP-1	Dual Phase Extraction (Rem)	8-20	--	4	Q	Q
DP-5*	Dual Phase Extraction (Rem)	8-20	--	4	Q	Q

Notes and Abbreviations:

1= Sample Analytes: Total Petroleum Hydrocarbons as Gasoline (TPHg), benzene, toluene, ethylbenzene, xylenes (BTEX) and methyl tertiary butyl ether (MTBE) by EPA Method 8015Cm/8021B.

Q = Quarterly, typically March, June, September, December

2nd = Annually during third quarter, typically June

Mon = Groundwater Monitoring Well

Rem= Remediation Well

VW = Vapor Extraction Well

VMP= Vapor Monitoring Well

DP = Dual Phase Extraction

N, S, W, E = Cardinal directions North, South, West, East and other directions (e.g., Northeast = NE)

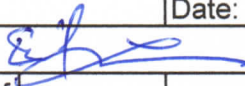
-- = Not applicable, gauged or sampled.

* = Well damaged during 2015 excavation

APPENDIX B

Groundwater Monitoring Field Data Sheets

Well Gauging Data Sheet

Project.Task #:				Project Name:					
Address: 1230 14 th St, Oakland						Date: 11.02.16			
Name: Erik Lervaag				Signature: 					
Well ID	Well Size (in.)	Time	Depth to Immiscible Liquid (ft)	Thickness of Immiscible Liquid (ft)	Depth to Water (ft)	Total Depth (ft)	Measuring Point		
mw-4	2	1104	—	—	13.01	Nm	NTOC		
mw-5R	4	1111	—	—	13.43				
mw-6	4	1120	—	—	13.94				
mw-7	4	1116	—	—	14.35				
AS-2	1	1108	—	—	13.29				
AS-4	1	1106	—	—	7.12				
DP-1	4	1113	—	—	14.00			Nm	NTOC


Comments:

MONITORING FIELD DATA SHEET

Well ID: AS-2

Project.Task #:		Project Name:						
Address: 1230 14th St, oakland								
Date: 10.31.16				Weather: <u>Sunny Warm</u>				
Well Diameter: <u>1"</u>		Volume/ft.	1" = 0.04	3" = 0.37	6" = 1.47			
			2" = 0.16	4" = 0.65	radius ² * 0.163			
Total Depth (TD): <u>23.96</u>				Depth to Product:				
Depth to Water (DTW): <u>13.29</u>				Product Thickness:				
Water Column Height: <u>10.67</u>				1 Casing Volume: <u>0.4</u>		gallons		
Reference Point: NTOC				<u>3</u> Casing Volumes: <u>1.2</u>		gallons		
Purging Device: Bailer								
Sampling Device: Bailer								
Time	Temp ©	pH	Cond (µs)	NTU <u>TDS</u>	DO(mg/L)	ORP (mV)	Vol(gal)	DTW
<u>1426</u>	<u>19.7</u>	<u>6.73</u>	<u>1405</u>	<u>1011</u>		<u>-82</u>	<u>0</u>	
<u>1432</u>	<u>20.0</u>	<u>6.70</u>	<u>1263</u>	<u>907.4</u>		<u>-93</u>	<u>0.4</u>	
<u>1441</u>	<u>19.9</u>	<u>6.69</u>	<u>1065</u>	<u>760</u>		<u>-96</u>	<u>0.8</u>	
<u>1447</u>	<u>20.0</u>	<u>6.72</u>	<u>851.8</u>	<u>603</u>		<u>-86</u>	<u>1.2</u>	
<u>1500</u>	<u>Sample Collected</u>							

Comments:

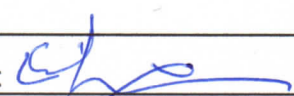
Sample ID: <u>AS-2</u>	Sample Time: <u>1500</u>
Laboratory: <u>Sunstar</u>	Sample Date: <u>11.02.16</u>
Containers/Preservative: <u>3 VOAs w/ HCl</u>	
Analyzed for: <u>TPHg/BTEX/MTBE</u>	
Sampler Name: <u>E. Lervaag</u>	Signature: 

MONITORING FIELD DATA SHEET

Well ID: AS-4

Project.Task #:		Project Name:						
Address: 1230 14th St, oakland								
Date: 10.31.16				Weather: Sunny Warm				
Well Diameter: 1"		Volume/ft. 1" = 0.04 3" = 0.37 6" = 1.47 2" = 0.16 4" = 0.65 radius ² * 0.163						
Total Depth (TD): 22.33				Depth to Product:				
Depth to Water (DTW): 7.12				Product Thickness:				
Water Column Height: 15.21				1 Casing Volume: 0.6		gallons		
Reference Point: NTOC				3 Casing Volumes: 1.8		gallons		
Purging Device: Bailer								
Sampling Device: Bailer								
Time	Temp ©	pH	Cond (µs)	NTU	DO(mg/L)	ORP (mV)	Vol(gal)	DTW
1543	20.0	8.75	595.4	4171		-80	0	
1548	19.6	7.64	561.7	3816		-71	0.6	
1553	19.7	7.53	558.3	2791		-32	1.2	
1557	19.6	7.58	559.4	2952		-41	1.8	
1605	Sample Collected							

Comments:

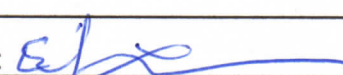
Sample ID: AS-4	Sample Time: 1605
Laboratory: Sunstar	Sample Date: 11.02.16
Containers/Preservative: 3 VOAs w/ HCl	
Analyzed for: TPHg/BTEX/MTBE	
Sampler Name: E. Lervaag	Signature: 

MONITORING FIELD DATA SHEET

Well ID: DP-1

Project.Task #:				Project Name:				
Address: 1230 14th St, oakland								
Date: 10.31.16				Weather: <u>Sunny Warm</u>				
Well Diameter: <u>4"</u>				Volume/ft.	1" = 0.04	3" = 0.37	6" = 1.47	
				2" = 0.16	4" = 0.65	radius ² * 0.163		
Total Depth (TD): <u>22.13</u>				Depth to Product:				
Depth to Water (DTW): <u>14.00</u>				Product Thickness:				
Water Column Height: <u>8.13</u>				1 Casing Volume: <u>5.2</u>		gallons		
Reference Point: NTOC				3 Casing Volumes: <u>15.6</u>		gallons		
Purging Device: Bailer								
Sampling Device: Bailer								
				<u>TDS</u>				
Time	Temp ©	pH	Cond (µs)	NTU	DO(mg/L)	ORP (mV)	Vol(gal)	DTW
1341	21.3	7.39	986.4	698		-127	0	
1347	20.3	6.83	1009	715		-82	5	
1352	20.1	6.77	991.9	705		-80	10	
1356	20.1	6.74	997.3	706.7		-72	16	
1400	<u>Sample collected</u>							

Comments:


Sample ID: <u>DP-1</u>	Sample Time: <u>1400</u>
Laboratory: <u>Sunstar</u>	Sample Date: <u>11.02.16</u>
Containers/Preservative: <u>3 VOA's w/ HCl</u>	
Analyzed for: <u>TPH₄ / BTEX / MTBE</u>	
Sampler Name: <u>E. Lervaag</u>	Signature: 

MONITORING FIELD DATA SHEET

Well ID: mw-4

Project.Task #: _____		Project Name: _____						
Address: <u>1230 14th St, Oakland</u>								
Date: <u>11/2/16</u>		Weather: <u>Sunny, Warm</u>						
Well Diameter: <u>2"</u>		Volume/ft. 1" = 0.04 3" = 0.37 6" = 1.47 2" = 0.16 4" = 0.65 radius ² * 0.163						
Total Depth (TD): <u>19.43</u>		Depth to Product: <u>—</u>						
Depth to Water (DTW): <u>13.01</u>		Product Thickness: <u>—</u>						
Water Column Height: <u>6.42</u>		1 Casing Volume: <u>1.0</u> gallons						
Reference Point: NTOC		3 Casing Volumes: <u>3.0</u> gallons						
Purging Device: <u>Barker, new</u>								
Sampling Device: <u>Barker, new</u> <u>TDS</u>								
Time	Temp ©	pH	Cond (µs)	NTU	DO(mg/L)	ORP (mV)	Vol(gal)	DTW
<u>1130</u>	<u>21.9</u>	<u>5.60</u>	<u>183.3</u>	<u>120.3</u>		<u>166</u>	<u>0</u>	
<u>1133</u>	<u>22.0</u>	<u>5.90</u>	<u>181.7</u>	<u>118.9</u>		<u>151</u>	<u>1.0</u>	
<u>1136</u>	<u>22.0</u>	<u>6.01</u>	<u>185.2</u>	<u>121.2</u>		<u>153</u>	<u>2.0</u>	
<u>1139</u>	<u>22.1</u>	<u>6.16</u>	<u>184.9</u>	<u>121.0</u>		<u>150</u>	<u>3.0</u>	
<u>1145</u>	<u>Sample Collected</u>							

Comments: _____

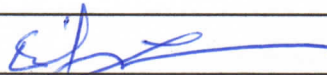
Sample ID: <u>mw-4</u>	Sample Time: <u>1145</u>
Laboratory: <u>Sunstar</u>	Sample Date: <u>11.02.16</u>
Containers/Preservative: <u>3 VOA's HCl</u>	
Analyzed for: <u>TPH₃ / BTEX / MTBE</u>	
Sampler Name: <u>E. Lervaag</u>	Signature: 

MONITORING FIELD DATA SHEET

Well ID: MW-5R

Project.Task #:		Project Name:						
Address: 1230 14th St, oakland								
Date: 10.31.16				Weather: <u>Sunny Warm</u>				
Well Diameter: <u>4"</u>		Volume/ft.	1" = 0.04	3" = 0.37	6" = 1.47	2" = 0.16	4" = 0.65	radius ² * 0.163
Total Depth (TD): <u>20.28</u>				Depth to Product:				
Depth to Water (DTW): <u>13.43</u>				Product Thickness:				
Water Column Height: <u>6.85</u>				1 Casing Volume: <u>4.4</u>		gallons		
Reference Point: NTOC				3 Casing Volumes: <u>13.2</u>		gallons		
Purging Device: Bailer								
Sampling Device: Bailer								
		<u>TDS</u>						
Time	Temp ©	pH	Cond (µs)	NTU	DO(mg/L)	ORP (mV)	Vol(gal)	DTW
1409	20.2	7.43	145.6	128		-53	0	
1415	19.7	6.87	275.5	184		-3	4.5	
1421	19.6	6.74	284.1	190		-18	9.0	
1427	19.7	6.72	283.6	193		-21	13.2	
1430	<u>Sample collected</u>							

Comments:

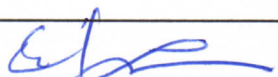
Sample ID: <u>MW-5R</u>	Sample Time: <u>1430</u>
Laboratory: <u>Sunstar</u>	Sample Date: <u>11.02.16</u>
Containers/Preservative: <u>3 VOAs w/ HCl</u>	
Analyzed for: <u>TOHg / BTEX / MTBE</u>	
Sampler Name: <u>E. Lervaag</u>	Signature: 

MONITORING FIELD DATA SHEET

Well ID: MW-6

Project.Task #: _____		Project Name: _____						
Address: 1230 14th St, oakland								
Date: 10.31.16		Weather: Sunny Warm						
Well Diameter: 4"		Volume/ft. 1" = 0.04 3" = 0.37 6" = 1.47 2" = 0.16 4" = 0.65 radius ² * 0.163						
Total Depth (TD): 19.55		Depth to Product: _____						
Depth to Water (DTW): 13.94		Product Thickness: _____						
Water Column Height: 5.61		1 Casing Volume: 3.6 gallons						
Reference Point: NTOC		3 Casing Volumes: 10.8 gallons						
Purging Device: Bailer								
Sampling Device: Bailer								
Time	Temp (°C)	pH	Cond (µs)	TDS	DO(mg/L)	ORP (mV)	Vol(gal)	DTW
1303	19.5	6.91	646.4	448		109	0	
1307	19.1	6.60	623.7	485		113	4	
1311	18.9	6.60	700.2	491		112	8	
1315	18.8	6.61	702.6	492		113	11	
1320	Sample collected							

Comments:


Sample ID: MW-6	Sample Time: 1320
Laboratory: Sunstar	Sample Date: 11.02.16
Containers/Preservative: 3 VOAs w/ HCl	
Analyzed for: TPHg/BTEX/MTBE	
Sampler Name: E. Lervaag	Signature: 

MONITORING FIELD DATA SHEET

Well ID: MW-7

Project Task #:		Project Name:						
Address: 1230 14th St, oakland								
Date: 10.31.16				Weather: Sunny, Warm				
Well Diameter: 4"		Volume/ft.	1" = 0.04	3" = 0.37	6" = 1.47	2" = 0.16	4" = 0.65	radius ² * 0.163
Total Depth (TD): 19.65		Depth to Product: —						
Depth to Water (DTW): 14.35		Product Thickness: —						
Water Column Height: 5.30		1 Casing Volume: 3.4			gallons			
Reference Point: NTOC		3 Casing Volumes: 10.2			gallons			
Purging Device: Bailer								
Sampling Device: Bailer								
		TDS						
Time	Temp (°C)	pH	Cond (µs)	NTU	DO (mg/L)	ORP (mV)	Vol (gal)	DTW
1210	20.4	6.45	525.9	363		152	0	
1214	19.6	6.58	535.7	368		118	3.5	
1219	19.7	6.67	532.9	368		101	7.0	
1222	19.5	6.71	531.6	367		100	10.25	
1230	Sample Collected							

Comments:

Sample ID: MW-7	Sample Time: 1230
Laboratory: Sunstar	Sample Date: 11.02.16
Containers/Preservative: 8 UOA's w/ HCl, 1-12 Amber Unp., 1-250 ml poly Unp.	
Analyzed for: TPH ₅ /BTEX/MTBE, VOL, METAL, TRPH	
Sampler Name: E. Lervaag	Signature: 

APPENDIX C

Laboratory Analytical Report



25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

14 November 2016

Morgan Gillies
Pangea Environmental Services, Inc.
1710 Franklin Street, Suite 200
Oakland, CA 94612
RE: 1230 14th St

Enclosed are the results of analyses for samples received by the laboratory on 11/04/16 11:31. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Rose Fasheh
Project Manager



25712 Commercentre Drive
 Lake Forest, California 92630
 949.297.5020 Phone
 949.297.5027 Fax

Pangea Environmental Services, Inc.
 1710 Franklin Street, Suite 200
 Oakland CA, 94612

Project: 1230 14th St
 Project Number: [none]
 Project Manager: Morgan Gillies

Reported:
 11/14/16 15:52

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-4	T162803-01	Water	11/02/16 11:45	11/04/16 11:31
MW-5R	T162803-02	Water	11/02/16 14:30	11/04/16 11:31
MW-6	T162803-03	Water	11/02/16 13:20	11/04/16 11:31
MW-7	T162803-04	Water	11/02/16 12:30	11/04/16 11:31
DP-1	T162803-05	Water	11/02/16 14:00	11/04/16 11:31
AS-2	T162803-06	Water	11/02/16 15:00	11/04/16 11:31
AS-4	T162803-07	Water	11/02/16 16:05	11/04/16 11:31

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Rose Fasheh, Project Manager

Pangea Environmental Services, Inc.
1710 Franklin Street, Suite 200
Oakland CA, 94612

Project: 1230 14th St
Project Number: [none]
Project Manager: Morgan Gillies

Reported:
11/14/16 15:52

DETECTIONS SUMMARY

Sample ID: MW-4 **Laboratory ID:** T162803-01

No Results Detected

Sample ID: MW-5R **Laboratory ID:** T162803-02

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
C6-C12 (GRO)	930	50		ug/l	EPA 8015C	
Benzene	5.2	1.0		ug/l	EPA 8021B	
Toluene	6.0	1.0		ug/l	EPA 8021B	
Ethylbenzene	14	1.0		ug/l	EPA 8021B	
m,p-Xylene	32	2.0		ug/l	EPA 8021B	
o-Xylene	9.4	1.0		ug/l	EPA 8021B	

Sample ID: MW-6 **Laboratory ID:** T162803-03

No Results Detected

Sample ID: MW-7 **Laboratory ID:** T162803-04

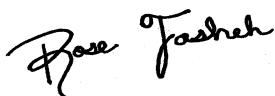
Analyte	Result	Reporting		Units	Method	Notes
		Limit				
Barium	98	50		ug/l	EPA 6010b	

Sample ID: DP-1 **Laboratory ID:** T162803-05

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
C6-C12 (GRO)	88	50		ug/l	EPA 8015C	
Benzene	48	1.0		ug/l	EPA 8021B	

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Rose Fasheh, Project Manager



25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Pangea Environmental Services, Inc.
1710 Franklin Street, Suite 200
Oakland CA, 94612

Project: 1230 14th St
Project Number: [none]
Project Manager: Morgan Gillies

Reported:
11/14/16 15:52

Sample ID: AS-2

Laboratory ID: T162803-06

No Results Detected

Sample ID: AS-4

Laboratory ID: T162803-07

No Results Detected

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Rose Fasheh, Project Manager



25712 Commercentre Drive
 Lake Forest, California 92630
 949.297.5020 Phone
 949.297.5027 Fax

Pangea Environmental Services, Inc. 1710 Franklin Street, Suite 200 Oakland CA, 94612	Project: 1230 14th St Project Number: [none] Project Manager: Morgan Gillies	Reported: 11/14/16 15:52
---	--	-----------------------------

MW-4
T162803-01 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

SunStar Laboratories, Inc.

Purgeable Petroleum Hydrocarbons by EPA 8015C

C6-C12 (GRO)	ND	50	ug/l	1	6110412	11/04/16	11/07/16	EPA 8015C	
Surrogate: 4-Bromofluorobenzene		123 %	65-135		"	"	"	"	

Volatile Organic Compounds by EPA Method 8021B

Methyl tert-butyl ether	ND	5.0	ug/l	1	6110413	11/04/16	11/11/16	EPA 8021B	
Benzene	ND	1.0	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
m,p-Xylene	ND	2.0	"	"	"	"	"	"	
o-Xylene	ND	1.0	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		115 %	65-135		"	"	"	"	

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Rose Fasheh, Project Manager



25712 Commercentre Drive
 Lake Forest, California 92630
 949.297.5020 Phone
 949.297.5027 Fax

Pangea Environmental Services, Inc. 1710 Franklin Street, Suite 200 Oakland CA, 94612	Project: 1230 14th St Project Number: [none] Project Manager: Morgan Gillies	Reported: 11/14/16 15:52
---	--	-----------------------------

MW-5R
T162803-02 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

SunStar Laboratories, Inc.

Purgeable Petroleum Hydrocarbons by EPA 8015C

C6-C12 (GRO)	930	50	ug/l	1	6110412	11/04/16	11/07/16	EPA 8015C	
<i>Surrogate: 4-Bromofluorobenzene</i>		96.6 %	65-135		"	"	"	"	

Volatile Organic Compounds by EPA Method 8021B

Methyl tert-butyl ether	ND	5.0	ug/l	1	6110413	11/04/16	11/11/16	EPA 8021B	
Benzene	5.2	1.0	"	"	"	"	"	"	
Toluene	6.0	1.0	"	"	"	"	"	"	
Ethylbenzene	14	1.0	"	"	"	"	"	"	
m,p-Xylene	32	2.0	"	"	"	"	"	"	
o-Xylene	9.4	1.0	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		110 %	65-135		"	"	"	"	

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Rose Fasheh, Project Manager



25712 Commercentre Drive
 Lake Forest, California 92630
 949.297.5020 Phone
 949.297.5027 Fax

Pangea Environmental Services, Inc. 1710 Franklin Street, Suite 200 Oakland CA, 94612	Project: 1230 14th St Project Number: [none] Project Manager: Morgan Gillies	Reported: 11/14/16 15:52
---	--	-----------------------------

MW-6
T162803-03 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

SunStar Laboratories, Inc.

Purgeable Petroleum Hydrocarbons by EPA 8015C

C6-C12 (GRO)	ND	50	ug/l	1	6110412	11/04/16	11/07/16	EPA 8015C	
<i>Surrogate: 4-Bromofluorobenzene</i>		<i>125 %</i>	<i>65-135</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	

Volatile Organic Compounds by EPA Method 8021B

Methyl tert-butyl ether	ND	5.0	ug/l	1	6110413	11/04/16	11/11/16	EPA 8021B	
Benzene	ND	1.0	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
m,p-Xylene	ND	2.0	"	"	"	"	"	"	
o-Xylene	ND	1.0	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		<i>115 %</i>	<i>65-135</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Rose Fasheh, Project Manager

Pangea Environmental Services, Inc.
1710 Franklin Street, Suite 200
Oakland CA, 94612

Project: 1230 14th St
Project Number: [none]
Project Manager: Morgan Gillies

Reported:
11/14/16 15:52

**MW-7
T162803-04 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

SunStar Laboratories, Inc.

Purgeable Petroleum Hydrocarbons by EPA 8015C

C6-C12 (GRO)	ND	50	ug/l	1	6110412	11/04/16	11/07/16	EPA 8015C	
Surrogate: 4-Bromofluorobenzene		128 %	65-135		"	"	"	"	

Metals by EPA 6010B

Antimony	ND	50	ug/l	1	6110921	11/09/16	11/10/16	EPA 6010b	
Silver	ND	50	"	"	"	"	"	"	
Arsenic	ND	50	"	"	"	"	"	"	
Barium	98	50	"	"	"	"	"	"	
Beryllium	ND	50	"	"	"	"	"	"	
Cadmium	ND	50	"	"	"	"	"	"	
Chromium	ND	50	"	"	"	"	"	"	
Cobalt	ND	50	"	"	"	"	"	"	
Copper	ND	50	"	"	"	"	"	"	
Lead	ND	50	"	"	"	"	"	"	
Molybdenum	ND	50	"	"	"	"	"	"	
Nickel	ND	50	"	"	"	"	"	"	
Selenium	ND	50	"	"	"	"	"	"	
Thallium	ND	50	"	"	"	"	"	"	
Vanadium	ND	50	"	"	"	"	"	"	
Zinc	ND	50	"	"	"	"	"	"	

Cold Vapor Extraction EPA 7470/7471

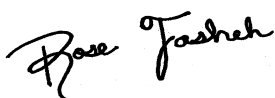
Mercury	ND	0.50	ug/l	1	6110829	11/08/16	11/09/16	EPA 7470A Water	
---------	----	------	------	---	---------	----------	----------	--------------------	--

Volatile Organic Compounds by EPA Method 8260B

Bromobenzene	ND	1.0	ug/l	1	6110417	11/04/16	11/04/16	EPA 8260B	
Bromochloromethane	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"	

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Rose Fasheh, Project Manager



25712 Commercentre Drive
 Lake Forest, California 92630
 949.297.5020 Phone
 949.297.5027 Fax

Pangea Environmental Services, Inc. 1710 Franklin Street, Suite 200 Oakland CA, 94612	Project: 1230 14th St Project Number: [none] Project Manager: Morgan Gillies	Reported: 11/14/16 15:52
---	--	-----------------------------

MW-7
T162803-04 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Carbon tetrachloride	ND	0.50	ug/l	1	6110417	11/04/16	11/04/16	EPA 8260B	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	ND	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
Methylene chloride	ND	1.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	ND	1.0	"	"	"	"	"	"	

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Rose Fasheh, Project Manager



25712 Commercentre Drive
 Lake Forest, California 92630
 949.297.5020 Phone
 949.297.5027 Fax

Pangea Environmental Services, Inc.
 1710 Franklin Street, Suite 200
 Oakland CA, 94612

Project: 1230 14th St
 Project Number: [none]
 Project Manager: Morgan Gillies

Reported:
 11/14/16 15:52

MW-7
T162803-04 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Styrene	ND	1.0	ug/l	1	6110417	11/04/16	11/04/16	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		102 %		83.5-119	"	"	"	"	
Surrogate: Dibromofluoromethane		98.2 %		81-136	"	"	"	"	
Surrogate: Toluene-d8		104 %		88.8-117	"	"	"	"	

Semivolatile Organic Compounds by EPA Method 8270C

Carbazole	ND	10	ug/l	1	6111031	11/08/16	11/10/16	EPA 8270C	
Phenol	ND	10	"	"	"	"	"	"	
Aniline	ND	10	"	"	"	"	"	"	
2-Chlorophenol	ND	10	"	"	"	"	"	"	
Acenaphthylene	ND	10	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	10	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	5.0	"	"	"	"	"	"	

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Rose Fasheh, Project Manager

Pangea Environmental Services, Inc.
1710 Franklin Street, Suite 200
Oakland CA, 94612

Project: 1230 14th St
Project Number: [none]
Project Manager: Morgan Gillies

Reported:
11/14/16 15:52

MW-7
T162803-04 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

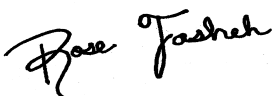
SunStar Laboratories, Inc.

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Anthracene	ND	10	ug/l	1	6111031	11/08/16	11/10/16	EPA 8270C
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"
1-Methylnaphthalene	ND	10	"	"	"	"	"	"
2-Methylnaphthalene	ND	20	"	"	"	"	"	"
4-Chloro-3-methylphenol	ND	10	"	"	"	"	"	"
Benzo (a) anthracene	ND	10	"	"	"	"	"	"
Acenaphthene	ND	10	"	"	"	"	"	"
Benzo (b) fluoranthene	ND	10	"	"	"	"	"	"
4-Nitrophenol	ND	10	"	"	"	"	"	"
2,4-Dinitrotoluene	ND	10	"	"	"	"	"	"
Benzo (k) fluoranthene	ND	10	"	"	"	"	"	"
Pentachlorophenol	ND	10	"	"	"	"	"	"
Benzo (g,h,i) perylene	ND	20	"	"	"	"	"	"
Pyrene	ND	10	"	"	"	"	"	"
Benzo (a) pyrene	ND	10	"	"	"	"	"	"
Benzyl alcohol	ND	50	"	"	"	"	"	"
Bis(2-chloroethoxy)methane	ND	10	"	"	"	"	"	"
Bis(2-chloroethyl)ether	ND	5.0	"	"	"	"	"	"
Bis(2-chloroisopropyl)ether	ND	20	"	"	"	"	"	"
Bis(2-ethylhexyl)phthalate	ND	10	"	"	"	"	"	"
4-Bromophenyl phenyl ether	ND	5.0	"	"	"	"	"	"
Butyl benzyl phthalate	ND	10	"	"	"	"	"	"
4-Chloroaniline	ND	20	"	"	"	"	"	"
2-Chloronaphthalene	ND	10	"	"	"	"	"	"
4-Chlorophenyl phenyl ether	ND	20	"	"	"	"	"	"
Chrysene	ND	10	"	"	"	"	"	"
Dibenz (a,h) anthracene	ND	10	"	"	"	"	"	"
Dibenzofuran	ND	20	"	"	"	"	"	"
Di-n-butyl phthalate	ND	5.0	"	"	"	"	"	"
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"
2,4-Dichlorophenol	ND	10	"	"	"	"	"	"

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Rose Fasheh, Project Manager

Pangea Environmental Services, Inc.
1710 Franklin Street, Suite 200
Oakland CA, 94612

Project: 1230 14th St
Project Number: [none]
Project Manager: Morgan Gillies

Reported:
11/14/16 15:52

MW-7
T162803-04 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

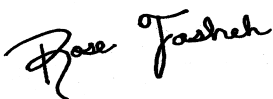
SunStar Laboratories, Inc.

Semivolatile Organic Compounds by EPA Method 8270C

Diethyl phthalate	ND	10	ug/l	1	6111031	11/08/16	11/10/16	EPA 8270C	
2,4-Dimethylphenol	ND	5.0	"	"	"	"	"	"	
Dimethyl phthalate	ND	10	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	5.0	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	10	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	20	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	10	"	"	"	"	"	"	
Fluoranthene	ND	5.0	"	"	"	"	"	"	
Fluorene	ND	10	"	"	"	"	"	"	
Hexachlorobenzene	ND	20	"	"	"	"	"	"	
Hexachlorobutadiene	ND	10	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	20	"	"	"	"	"	"	
Hexachloroethane	ND	5.0	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	10	"	"	"	"	"	"	
Isophorone	ND	10	"	"	"	"	"	"	
2-Methylphenol	ND	10	"	"	"	"	"	"	
4-Methylphenol	ND	20	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
2-Nitroaniline	ND	10	"	"	"	"	"	"	
3-Nitroaniline	ND	10	"	"	"	"	"	"	
4-Nitroaniline	ND	20	"	"	"	"	"	"	
Nitrobenzene	ND	20	"	"	"	"	"	"	
2-Nitrophenol	ND	10	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	10	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	25	"	"	"	"	"	"	
Phenanthrene	ND	10	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	20	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	10	"	"	"	"	"	"	
2,3,4,6-Tetrachlorophenol	ND	10	"	"	"	"	"	"	
2,3,5,6-Tetrachlorophenol	ND	10	"	"	"	"	"	"	
1,4-Dinitrobenzene	ND	10	"	"	"	"	"	"	
Pyridine	ND	10	"	"	"	"	"	"	

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Rose Fasheh, Project Manager



25712 Commercentre Drive
 Lake Forest, California 92630
 949.297.5020 Phone
 949.297.5027 Fax

Pangea Environmental Services, Inc. 1710 Franklin Street, Suite 200 Oakland CA, 94612	Project: 1230 14th St Project Number: [none] Project Manager: Morgan Gillies	Reported: 11/14/16 15:52
---	--	-----------------------------

MW-7
T162803-04 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

SunStar Laboratories, Inc.

Semivolatile Organic Compounds by EPA Method 8270C

Surrogate: 2-Fluorophenol	41.7 %	15-121			6111031	11/08/16	11/10/16	EPA 8270C	
Surrogate: Phenol-d6	33.1 %	24-113			"	"	"	"	
Surrogate: Nitrobenzene-d5	49.8 %	14.7-110			"	"	"	"	
Surrogate: 2-Fluorobiphenyl	49.3 %	33.3-110			"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	47.0 %	12.9-110			"	"	"	"	
Surrogate: Terphenyl-d14	66.0 %	15.8-136			"	"	"	"	

Conventional Chemistry Parameters by APHA/EPA/ASTM Methods

TRPH	ND	6.0	mg/l	1	6111107	11/11/16	11/11/16	EPA 418.1	
------	----	-----	------	---	---------	----------	----------	-----------	--

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Rose Fasheh, Project Manager



25712 Commercentre Drive
 Lake Forest, California 92630
 949.297.5020 Phone
 949.297.5027 Fax

Pangea Environmental Services, Inc. 1710 Franklin Street, Suite 200 Oakland CA, 94612	Project: 1230 14th St Project Number: [none] Project Manager: Morgan Gillies	Reported: 11/14/16 15:52
---	--	-----------------------------

DP-1
T162803-05 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

SunStar Laboratories, Inc.

Purgeable Petroleum Hydrocarbons by EPA 8015C

C6-C12 (GRO)	88	50	ug/l	1	6110412	11/04/16	11/07/16	EPA 8015C	
<i>Surrogate: 4-Bromofluorobenzene</i>		<i>123 %</i>	<i>65-135</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	

Volatile Organic Compounds by EPA Method 8021B

Methyl tert-butyl ether	ND	5.0	ug/l	1	6110413	11/04/16	11/11/16	EPA 8021B	
Benzene	48	1.0	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
m,p-Xylene	ND	2.0	"	"	"	"	"	"	
o-Xylene	ND	1.0	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		<i>113 %</i>	<i>65-135</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Rose Fasheh, Project Manager



25712 Commercentre Drive
 Lake Forest, California 92630
 949.297.5020 Phone
 949.297.5027 Fax

Pangea Environmental Services, Inc. 1710 Franklin Street, Suite 200 Oakland CA, 94612	Project: 1230 14th St Project Number: [none] Project Manager: Morgan Gillies	Reported: 11/14/16 15:52
---	--	-----------------------------

AS-2
T162803-06 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

SunStar Laboratories, Inc.

Purgeable Petroleum Hydrocarbons by EPA 8015C

C6-C12 (GRO)	ND	50	ug/l	1	6110412	11/04/16	11/07/16	EPA 8015C	
<i>Surrogate: 4-Bromofluorobenzene</i>		120 %	65-135		"	"	"	"	

Volatile Organic Compounds by EPA Method 8021B

Methyl tert-butyl ether	ND	5.0	ug/l	1	6110413	11/04/16	11/11/16	EPA 8021B	
Benzene	ND	1.0	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
m,p-Xylene	ND	2.0	"	"	"	"	"	"	
o-Xylene	ND	1.0	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		110 %	65-135		"	"	"	"	

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Rose Fasheh, Project Manager



25712 Commercentre Drive
 Lake Forest, California 92630
 949.297.5020 Phone
 949.297.5027 Fax

Pangea Environmental Services, Inc. 1710 Franklin Street, Suite 200 Oakland CA, 94612	Project: 1230 14th St Project Number: [none] Project Manager: Morgan Gillies	Reported: 11/14/16 15:52
---	--	-----------------------------

**AS-4
T162803-07 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

SunStar Laboratories, Inc.

Purgeable Petroleum Hydrocarbons by EPA 8015C

C6-C12 (GRO)	ND	50	ug/l	1	6110412	11/04/16	11/07/16	EPA 8015C	
<i>Surrogate: 4-Bromofluorobenzene</i>		<i>105 %</i>	<i>65-135</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	

Volatile Organic Compounds by EPA Method 8021B

Methyl tert-butyl ether	ND	5.0	ug/l	1	6110413	11/04/16	11/11/16	EPA 8021B	
Benzene	ND	1.0	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
m,p-Xylene	ND	2.0	"	"	"	"	"	"	
o-Xylene	ND	1.0	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		<i>96.1 %</i>	<i>65-135</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Rose Fasheh, Project Manager



25712 Commercentre Drive
 Lake Forest, California 92630
 949.297.5020 Phone
 949.297.5027 Fax

Pangea Environmental Services, Inc. 1710 Franklin Street, Suite 200 Oakland CA, 94612	Project: 1230 14th St Project Number: [none] Project Manager: Morgan Gillies	Reported: 11/14/16 15:52
---	--	-----------------------------

Purgeable Petroleum Hydrocarbons by EPA 8015C - Quality Control
SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 6110412 - EPA 5030 GC

Blank (6110412-BLK1)

Prepared: 11/04/16 Analyzed: 11/07/16

C6-C12 (GRO)	ND	50	ug/l							
Surrogate: 4-Bromofluorobenzene	133		"	100		133	65-135			

LCS (6110412-BS1)

Prepared: 11/04/16 Analyzed: 11/07/16

C6-C12 (GRO)	5230	50	ug/l	5500		95.1	75-125			
Surrogate: 4-Bromofluorobenzene	98.4		"	100		98.4	65-135			

LCS Dup (6110412-BSD1)

Prepared: 11/04/16 Analyzed: 11/07/16

C6-C12 (GRO)	5170	50	ug/l	5500		94.0	75-125	1.23	20	
Surrogate: 4-Bromofluorobenzene	75.3		"	100		75.3	65-135			

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Rose Fasheh, Project Manager



25712 Commercentre Drive
 Lake Forest, California 92630
 949.297.5020 Phone
 949.297.5027 Fax

Pangea Environmental Services, Inc. 1710 Franklin Street, Suite 200 Oakland CA, 94612	Project: 1230 14th St Project Number: [none] Project Manager: Morgan Gillies	Reported: 11/14/16 15:52
---	--	-----------------------------

Metals by EPA 6010B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 6110921 - EPA 3010A

Blank (6110921-BLK1)

Prepared: 11/09/16 Analyzed: 11/10/16

Antimony	ND	50	ug/l							
Silver	ND	50	"							
Arsenic	ND	50	"							
Barium	ND	50	"							
Beryllium	ND	50	"							
Cadmium	ND	50	"							
Chromium	ND	50	"							
Cobalt	ND	50	"							
Copper	ND	50	"							
Lead	ND	50	"							
Molybdenum	ND	50	"							
Nickel	ND	50	"							
Selenium	ND	50	"							
Thallium	ND	50	"							
Vanadium	ND	50	"							
Zinc	ND	50	"							

LCS (6110921-BS1)

Prepared: 11/09/16 Analyzed: 11/10/16

Arsenic	494	50	ug/l	500		98.7	75-125			
Barium	506	50	"	500		101	75-125			
Cadmium	495	50	"	500		99.0	75-125			
Chromium	507	50	"	500		101	75-125			
Lead	511	50	"	500		102	75-125			

Matrix Spike (6110921-MS1)

Source: T162803-04

Prepared: 11/09/16 Analyzed: 11/10/16

Arsenic	506	50	ug/l	500	ND	101	75-125			
Barium	585	50	"	500	98.4	97.3	75-125			
Cadmium	487	50	"	500	ND	97.4	75-125			
Chromium	506	50	"	500	ND	101	75-125			
Lead	473	50	"	500	ND	94.6	75-125			

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Rose Fasheh, Project Manager



25712 Commercentre Drive
 Lake Forest, California 92630
 949.297.5020 Phone
 949.297.5027 Fax

Pangea Environmental Services, Inc. 1710 Franklin Street, Suite 200 Oakland CA, 94612	Project: 1230 14th St Project Number: [none] Project Manager: Morgan Gillies	Reported: 11/14/16 15:52
---	--	-----------------------------

Metals by EPA 6010B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 6110921 - EPA 3010A

Matrix Spike Dup (6110921-MSD1)	Source: T162803-04			Prepared: 11/09/16 Analyzed: 11/10/16						
Arsenic	504	50	ug/l	500	ND	101	75-125	0.483	20	
Barium	588	50	"	500	98.4	98.0	75-125	0.587	20	
Cadmium	487	50	"	500	ND	97.3	75-125	0.0346	20	
Chromium	504	50	"	500	ND	101	75-125	0.366	20	
Lead	482	50	"	500	ND	96.3	75-125	1.84	20	

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Rose Fasheh, Project Manager



25712 Commercentre Drive
 Lake Forest, California 92630
 949.297.5020 Phone
 949.297.5027 Fax

Pangea Environmental Services, Inc. 1710 Franklin Street, Suite 200 Oakland CA, 94612	Project: 1230 14th St Project Number: [none] Project Manager: Morgan Gillies	Reported: 11/14/16 15:52
---	--	-----------------------------

Cold Vapor Extraction EPA 7470/7471 - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 6110829 - EPA 7470A Water

Blank (6110829-BLK1)		Prepared: 11/08/16 Analyzed: 11/09/16								
Mercury	ND	0.50	ug/l							
LCS (6110829-BS1)		Prepared: 11/08/16 Analyzed: 11/09/16								
Mercury	4.50	0.50	ug/l	5.00		90.0	75-125			
Matrix Spike (6110829-MS1)		Source: T162762-02		Prepared: 11/08/16 Analyzed: 11/09/16						
Mercury	3.59	0.50	ug/l	5.00	0.0409	71.0	75-125			QM-05
Matrix Spike Dup (6110829-MSD1)		Source: T162762-02		Prepared: 11/08/16 Analyzed: 11/09/16						
Mercury	3.61	0.50	ug/l	5.00	0.0409	71.5	75-125	0.628	20	QM-05

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Rose Fasheh, Project Manager



25712 Commercentre Drive
 Lake Forest, California 92630
 949.297.5020 Phone
 949.297.5027 Fax

Pangea Environmental Services, Inc. 1710 Franklin Street, Suite 200 Oakland CA, 94612	Project: 1230 14th St Project Number: [none] Project Manager: Morgan Gillies	Reported: 11/14/16 15:52
---	--	-----------------------------

Volatile Organic Compounds by EPA Method 8021B - Quality Control
SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 6110413 - EPA 5030 GC

Blank (6110413-BLK1)

Prepared: 11/04/16 Analyzed: 11/11/16

Methyl tert-butyl ether	ND	5.0	ug/l							
Benzene	ND	1.0	"							
Toluene	ND	1.0	"							
Ethylbenzene	ND	1.0	"							
m,p-Xylene	ND	2.0	"							
o-Xylene	ND	1.0	"							
Surrogate: 4-Bromofluorobenzene	115		"	100		115	65-135			

LCS (6110413-BS1)

Prepared: 11/04/16 Analyzed: 11/11/16

Benzene	89.2	1.0	ug/l	100		89.2	70-130			
Toluene	96.4	1.0	"	100		96.4	70-130			
Ethylbenzene	82.2	1.0	"	100		82.2	70-130			
m,p-Xylene	182	2.0	"	200		91.1	70-130			
o-Xylene	81.0	1.0	"	100		81.0	70-130			
Surrogate: 4-Bromofluorobenzene	96.5		"	100		96.5	65-135			

LCS Dup (6110413-BSD1)

Prepared: 11/04/16 Analyzed: 11/11/16

Benzene	96.8	1.0	ug/l	100		96.8	70-130	8.13	20	
Toluene	96.4	1.0	"	100		96.4	70-130	0.0539	20	
Ethylbenzene	82.2	1.0	"	100		82.2	70-130	0.0791	20	
m,p-Xylene	180	2.0	"	200		90.1	70-130	1.10	20	
o-Xylene	83.3	1.0	"	100		83.3	70-130	2.81	20	
Surrogate: 4-Bromofluorobenzene	95.6		"	100		95.6	65-135			

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Rose Fasheh, Project Manager



25712 Commercentre Drive
 Lake Forest, California 92630
 949.297.5020 Phone
 949.297.5027 Fax

Pangea Environmental Services, Inc.
 1710 Franklin Street, Suite 200
 Oakland CA, 94612

Project: 1230 14th St
 Project Number: [none]
 Project Manager: Morgan Gillies

Reported:
 11/14/16 15:52

Volatile Organic Compounds by EPA Method 8260B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 6110417 - EPA 5030 GCMS

Blank (6110417-BLK1)

Prepared & Analyzed: 11/04/16

Bromobenzene	ND	1.0	ug/l							
Bromochloromethane	ND	1.0	"							
Bromodichloromethane	ND	1.0	"							
Bromoform	ND	1.0	"							
Bromomethane	ND	1.0	"							
n-Butylbenzene	ND	1.0	"							
sec-Butylbenzene	ND	1.0	"							
tert-Butylbenzene	ND	1.0	"							
Carbon tetrachloride	ND	0.50	"							
Chlorobenzene	ND	1.0	"							
Chloroethane	ND	1.0	"							
Chloroform	ND	1.0	"							
Chloromethane	ND	1.0	"							
2-Chlorotoluene	ND	1.0	"							
4-Chlorotoluene	ND	1.0	"							
Dibromochloromethane	ND	1.0	"							
1,2-Dibromo-3-chloropropane	ND	5.0	"							
1,2-Dibromoethane (EDB)	ND	1.0	"							
Dibromomethane	ND	1.0	"							
1,2-Dichlorobenzene	ND	1.0	"							
1,3-Dichlorobenzene	ND	1.0	"							
1,4-Dichlorobenzene	ND	1.0	"							
Dichlorodifluoromethane	ND	0.50	"							
1,1-Dichloroethane	ND	1.0	"							
1,2-Dichloroethane	ND	0.50	"							
1,1-Dichloroethene	ND	1.0	"							
cis-1,2-Dichloroethene	ND	1.0	"							
trans-1,2-Dichloroethene	ND	1.0	"							
1,2-Dichloropropane	ND	1.0	"							
1,3-Dichloropropane	ND	1.0	"							
2,2-Dichloropropane	ND	1.0	"							
1,1-Dichloropropene	ND	1.0	"							
cis-1,3-Dichloropropene	ND	0.50	"							
trans-1,3-Dichloropropene	ND	0.50	"							
Hexachlorobutadiene	ND	1.0	"							
Isopropylbenzene	ND	1.0	"							

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Rose Fasheh, Project Manager

Pangea Environmental Services, Inc.
1710 Franklin Street, Suite 200
Oakland CA, 94612

Project: 1230 14th St
Project Number: [none]
Project Manager: Morgan Gillies

Reported:
11/14/16 15:52

Volatile Organic Compounds by EPA Method 8260B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 6110417 - EPA 5030 GCMS

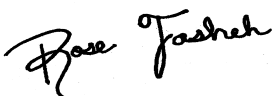
Blank (6110417-BLK1)

Prepared & Analyzed: 11/04/16

p-Isopropyltoluene	ND	1.0	ug/l							
Methylene chloride	ND	1.0	"							
Naphthalene	ND	1.0	"							
n-Propylbenzene	ND	1.0	"							
Styrene	ND	1.0	"							
1,1,2,2-Tetrachloroethane	ND	1.0	"							
1,1,1,2-Tetrachloroethane	ND	1.0	"							
Tetrachloroethene	ND	1.0	"							
1,2,3-Trichlorobenzene	ND	1.0	"							
1,2,4-Trichlorobenzene	ND	1.0	"							
1,1,2-Trichloroethane	ND	1.0	"							
1,1,1-Trichloroethane	ND	1.0	"							
Trichloroethene	ND	1.0	"							
Trichlorofluoromethane	ND	1.0	"							
1,2,3-Trichloropropane	ND	1.0	"							
1,3,5-Trimethylbenzene	ND	1.0	"							
1,2,4-Trimethylbenzene	ND	1.0	"							
Vinyl chloride	ND	1.0	"							
Benzene	ND	0.50	"							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
m,p-Xylene	ND	1.0	"							
o-Xylene	ND	0.50	"							
Tert-amyl methyl ether	ND	2.0	"							
Tert-butyl alcohol	ND	10	"							
Di-isopropyl ether	ND	2.0	"							
Ethyl tert-butyl ether	ND	2.0	"							
Methyl tert-butyl ether	ND	1.0	"							
Surrogate: 4-Bromofluorobenzene	8.45		"	8.00		106	83.5-119			
Surrogate: Dibromofluoromethane	7.13		"	8.00		89.1	81-136			
Surrogate: Toluene-d8	8.95		"	8.00		112	88.8-117			

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Rose Fasheh, Project Manager



25712 Commercentre Drive
 Lake Forest, California 92630
 949.297.5020 Phone
 949.297.5027 Fax

Pangea Environmental Services, Inc. 1710 Franklin Street, Suite 200 Oakland CA, 94612	Project: 1230 14th St Project Number: [none] Project Manager: Morgan Gillies	Reported: 11/14/16 15:52
---	--	-----------------------------

Volatile Organic Compounds by EPA Method 8260B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 6110417 - EPA 5030 GCMS

LCS (6110417-BS1)

Prepared & Analyzed: 11/04/16

Chlorobenzene	19.9	1.0	ug/l	20.0		99.6	75-125			
1,1-Dichloroethene	16.7	1.0	"	20.0		83.5	75-125			
Trichloroethene	19.2	1.0	"	20.0		96.1	75-125			
Benzene	18.3	0.50	"	20.0		91.4	75-125			
Toluene	18.6	0.50	"	20.0		93.2	75-125			
Surrogate: 4-Bromofluorobenzene	8.32		"	8.00		104	83.5-119			
Surrogate: Dibromofluoromethane	7.85		"	8.00		98.1	81-136			
Surrogate: Toluene-d8	8.01		"	8.00		100	88.8-117			

LCS Dup (6110417-BSD1)

Prepared & Analyzed: 11/04/16

Chlorobenzene	20.1	1.0	ug/l	20.0		100	75-125	0.800	20	
1,1-Dichloroethene	17.6	1.0	"	20.0		88.1	75-125	5.36	20	
Trichloroethene	20.0	1.0	"	20.0		100	75-125	3.98	20	
Benzene	18.8	0.50	"	20.0		94.1	75-125	2.97	20	
Toluene	20.1	0.50	"	20.0		100	75-125	7.43	20	
Surrogate: 4-Bromofluorobenzene	8.30		"	8.00		104	83.5-119			
Surrogate: Dibromofluoromethane	7.90		"	8.00		98.8	81-136			
Surrogate: Toluene-d8	8.21		"	8.00		103	88.8-117			

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Rose Fasheh, Project Manager



25712 Commercentre Drive
 Lake Forest, California 92630
 949.297.5020 Phone
 949.297.5027 Fax

Pangea Environmental Services, Inc.
 1710 Franklin Street, Suite 200
 Oakland CA, 94612

Project: 1230 14th St
 Project Number: [none]
 Project Manager: Morgan Gillies

Reported:
 11/14/16 15:52

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 6111031 - EPA 3510C GCMS/ECD

Blank (6111031-BLK1)

Prepared & Analyzed: 11/10/16

Carbazole	ND	10	ug/l							
Phenol	ND	10	"							
Aniline	ND	10	"							
2-Chlorophenol	ND	10	"							
Acenaphthylene	ND	10	"							
1,4-Dichlorobenzene	ND	10	"							
N-Nitrosodi-n-propylamine	ND	5.0	"							
Anthracene	ND	10	"							
1,2,4-Trichlorobenzene	ND	5.0	"							
1-Methylnaphthalene	ND	10	"							
2-Methylnaphthalene	ND	20	"							
4-Chloro-3-methylphenol	ND	10	"							
Acenaphthene	ND	10	"							
Benzo (a) anthracene	ND	10	"							
4-Nitrophenol	ND	10	"							
Benzo (b) fluoranthene	ND	10	"							
2,4-Dinitrotoluene	ND	10	"							
Benzo (k) fluoranthene	ND	10	"							
Pentachlorophenol	ND	10	"							
Benzo (g,h,i) perylene	ND	20	"							
Pyrene	ND	10	"							
Benzo (a) pyrene	ND	10	"							
Benzyl alcohol	ND	50	"							
Bis(2-chloroethoxy)methane	ND	10	"							
Bis(2-chloroethyl)ether	ND	5.0	"							
Bis(2-chloroisopropyl)ether	ND	20	"							
Bis(2-ethylhexyl)phthalate	ND	10	"							
4-Bromophenyl phenyl ether	ND	5.0	"							
Butyl benzyl phthalate	ND	10	"							
4-Chloroaniline	ND	20	"							
2-Chloronaphthalene	ND	10	"							
4-Chlorophenyl phenyl ether	ND	20	"							
Chrysene	ND	10	"							
Dibenz (a,h) anthracene	ND	10	"							
Dibenzofuran	ND	20	"							
Di-n-butyl phthalate	ND	5.0	"							

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Rose Fasheh, Project Manager



25712 Commercentre Drive
 Lake Forest, California 92630
 949.297.5020 Phone
 949.297.5027 Fax

Pangea Environmental Services, Inc.
 1710 Franklin Street, Suite 200
 Oakland CA, 94612

Project: 1230 14th St
 Project Number: [none]
 Project Manager: Morgan Gillies

Reported:
 11/14/16 15:52

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 6111031 - EPA 3510C GCMS/ECD

Blank (6111031-BLK1)

Prepared & Analyzed: 11/10/16

1,2-Dichlorobenzene	ND	5.0	ug/l							
1,3-Dichlorobenzene	ND	5.0	"							
2,4-Dichlorophenol	ND	10	"							
Diethyl phthalate	ND	10	"							
2,4-Dimethylphenol	ND	5.0	"							
Dimethyl phthalate	ND	10	"							
4,6-Dinitro-2-methylphenol	ND	5.0	"							
2,4-Dinitrophenol	ND	10	"							
2,6-Dinitrotoluene	ND	20	"							
Di-n-octyl phthalate	ND	10	"							
Fluoranthene	ND	5.0	"							
Fluorene	ND	10	"							
Hexachlorobenzene	ND	20	"							
Hexachlorobutadiene	ND	10	"							
Hexachlorocyclopentadiene	ND	20	"							
Hexachloroethane	ND	5.0	"							
Indeno (1,2,3-cd) pyrene	ND	10	"							
Isophorone	ND	10	"							
2-Methylphenol	ND	10	"							
4-Methylphenol	ND	20	"							
Naphthalene	ND	5.0	"							
2-Nitroaniline	ND	10	"							
3-Nitroaniline	ND	10	"							
4-Nitroaniline	ND	20	"							
Nitrobenzene	ND	20	"							
2-Nitrophenol	ND	10	"							
N-Nitrosodiphenylamine	ND	10	"							
N-Nitrosodimethylamine	ND	25	"							
Phenanthrene	ND	10	"							
2,4,5-Trichlorophenol	ND	20	"							
2,4,6-Trichlorophenol	ND	10	"							
2,3,4,6-Tetrachlorophenol	ND	10	"							
2,3,5,6-Tetrachlorophenol	ND	10	"							
1,4-Dinitrobenzene	ND	10	"							
Pyridine	ND	10	"							

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Rose Fasheh, Project Manager



25712 Commercentre Drive
 Lake Forest, California 92630
 949.297.5020 Phone
 949.297.5027 Fax

Pangea Environmental Services, Inc.
 1710 Franklin Street, Suite 200
 Oakland CA, 94612

Project: 1230 14th St
 Project Number: [none]
 Project Manager: Morgan Gillies

Reported:
 11/14/16 15:52

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 6111031 - EPA 3510C GCMS/ECD

Blank (6111031-BLK1)

Prepared & Analyzed: 11/10/16

Surrogate: 2-Fluorophenol	75.3		ug/l	200		37.7	15-121			
Surrogate: Phenol-d6	72.1		"	200		36.1	24-113			
Surrogate: Nitrobenzene-d5	118		"	200		59.1	14.7-110			
Surrogate: 2-Fluorobiphenyl	114		"	200		57.2	33.3-110			
Surrogate: 2,4,6-Tribromophenol	52.4		"	200		26.2	12.9-110			
Surrogate: Terphenyl-d14	153		"	200		76.6	15.8-136			

LCS (6111031-BS1)

Prepared & Analyzed: 11/10/16

Phenol	113	10	ug/l	200		56.6	12-89			
2-Chlorophenol	126	10	"	200		63.2	40-120			
1,4-Dichlorobenzene	110	10	"	200		55.2	33-94			
N-Nitrosodi-n-propylamine	133	5.0	"	200		66.4	40-120			
1,2,4-Trichlorobenzene	102	5.0	"	200		51.1	40-120			
4-Chloro-3-methylphenol	152	10	"	200		76.2	50-130			
Acenaphthene	105	10	"	200		52.4	50-130			
4-Nitrophenol	136	10	"	200		67.9	10-80			
2,4-Dinitrotoluene	114	10	"	200		56.8	24-96			
Pentachlorophenol	123	10	"	200		61.4	50-130			
Pyrene	111	10	"	200		55.7	26-127			
Surrogate: 2-Fluorophenol	91.0		"	200		45.5	15-121			
Surrogate: Phenol-d6	106		"	200		53.1	24-113			
Surrogate: Nitrobenzene-d5	130		"	200		65.2	14.7-110			
Surrogate: 2-Fluorobiphenyl	105		"	200		52.4	33.3-110			
Surrogate: 2,4,6-Tribromophenol	193		"	200		96.6	12.9-110			
Surrogate: Terphenyl-d14	168		"	200		84.1	15.8-136			

LCS Dup (6111031-BSD1)

Prepared & Analyzed: 11/10/16

Phenol	113	10	ug/l	200		56.3	12-89	0.691	42	
2-Chlorophenol	142	10	"	200		71.2	40-120	11.9	40	
1,4-Dichlorobenzene	111	10	"	200		55.4	33-94	0.344	28	
N-Nitrosodi-n-propylamine	110	5.0	"	200		55.0	40-120	18.8	38	
1,2,4-Trichlorobenzene	113	5.0	"	200		56.6	40-120	10.3	28	
4-Chloro-3-methylphenol	140	10	"	200		70.0	50-130	8.45	42	
Acenaphthene	100	10	"	200		50.1	50-130	4.57	31	
4-Nitrophenol	148	10	"	200		74.0	10-80	8.54	50	
2,4-Dinitrotoluene	114	10	"	200		56.8	24-96	0.0352	38	

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Rose Fasheh, Project Manager



25712 Commercentre Drive
 Lake Forest, California 92630
 949.297.5020 Phone
 949.297.5027 Fax

Pangea Environmental Services, Inc. 1710 Franklin Street, Suite 200 Oakland CA, 94612	Project: 1230 14th St Project Number: [none] Project Manager: Morgan Gillies	Reported: 11/14/16 15:52
---	--	-----------------------------

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control
SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 6111031 - EPA 3510C GCMS/ECD

LCS Dup (6111031-BSD1)

Prepared & Analyzed: 11/10/16

Pentachlorophenol	114	10	ug/l	200		57.0	50-130	7.38	50	
Pyrene	106	10	"	200		52.9	26-127	5.28	31	
Surrogate: 2-Fluorophenol	99.2		"	200		49.6	15-121			
Surrogate: Phenol-d6	109		"	200		54.5	24-113			
Surrogate: Nitrobenzene-d5	118		"	200		59.0	14.7-110			
Surrogate: 2-Fluorobiphenyl	107		"	200		53.3	33.3-110			
Surrogate: 2,4,6-Tribromophenol	193		"	200		96.3	12.9-110			
Surrogate: Terphenyl-dl4	164		"	200		81.8	15.8-136			

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Rose Fasheh, Project Manager



25712 Commercentre Drive
 Lake Forest, California 92630
 949.297.5020 Phone
 949.297.5027 Fax

Pangea Environmental Services, Inc. 1710 Franklin Street, Suite 200 Oakland CA, 94612	Project: 1230 14th St Project Number: [none] Project Manager: Morgan Gillies	Reported: 11/14/16 15:52
---	--	-----------------------------

Conventional Chemistry Parameters by APHA/EPA/ASTM Methods - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 6111107 - 418.1 / 5520C&F Mod.

Blank (6111107-BLK1)				Prepared & Analyzed: 11/11/16						
TRPH	ND	6.0	mg/l							
LCS (6111107-BS1)				Prepared & Analyzed: 11/11/16						
TRPH	24.7	6.0	mg/l	26.2		94.4	75-125			
LCS Dup (6111107-BSD1)				Prepared & Analyzed: 11/11/16						
TRPH	25.1	6.0	mg/l	26.2		95.9	75-125	1.57	20	

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Rose Fasheh, Project Manager

Pangea Environmental Services, Inc.
1710 Franklin Street, Suite 200
Oakland CA, 94612

Project: 1230 14th St
Project Number: [none]
Project Manager: Morgan Gillies

Reported:
11/14/16 15:52

Notes and Definitions

QM-05 The spike recovery was outside acceptance limits for the MS and/or MSD due to possible matrix interference. The LCS was within acceptance criteria. The data is acceptable as no negative impact on data is expected.

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

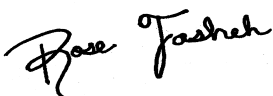
NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Rose Fasheh, Project Manager

Chain of Custody Record

SunStar Laboratories, Inc.
 25712 Commercentre Dr
 Lake Forest, CA 92630
 949-297-5020

Client: Pungya Env. Svs.
 Address: 110 Franklin St, Oakland
 Phone: 510-836-5700 Fax: _____
 Project Manager: Morgan Killies

Date: 11.2.16 Page: 1 of 1
 Project Name: 1230 14th St
 Collector: E. Lee Vay Client Project #: _____
 Batch #: T162803 EDF #: T0600101691

Sample ID	Date Sampled	Time	Sample Type	Container Type	8260 VOCs	8260 + OXY	8260 BTEX, OXY only	8270	8021 BTEX + mtBE	8015M (gasoline)	8015M (diesel)	8015M Ext./Carbon Chain	6010/7000 Title 22 Metals	TRPH by 418.1 METALS	Laboratory ID #	Comments/Preservative	Total # of containers
MW-4	11-02-16	1145	hw	VOA	X	X	X	X	X	X	X	X	X	61			
MW-5R		1430	hw	VOA	X	X	X	X	X	X	X	X	X	62			
MW-6		1320	hw	VOA	X	X	X	X	X	X	X	X	X	63			
MW-7		1230	hw	multi	X	X	X	X	X	X	X	X	X	64			
DP-1		1400	hw	VOA	X	X	X	X	X	X	X	X	X	65			
AS-2		1500	hw	VOA	X	X	X	X	X	X	X	X	X	66			
AS-4	11-02-16	1605	hw	VOA	X	X	X	X	X	X	X	X	X	67			
mgill.ess@pungyaenv.com																	
Relinquished by: (signature) _____ Date / Time _____																	
Relinquished by: (signature) _____ Date / Time _____																	
Relinquished by: (signature) _____ Date / Time _____																	
Received by: (signature) _____ Date / Time _____																	
Received by: (signature) _____ Date / Time _____																	
Received by: (signature) _____ Date / Time _____																	
Total # of containers _____																	
Seals intact? <input checked="" type="checkbox"/> Y/N/A _____																	
Received good condition/cold _____																	
Turn around time: <u>5 day</u>																	
Sample disposal Instructions: Disposal @ \$2.00 each _____ Return to client _____ Pickup _____																	

SAMPLE RECEIVING REVIEW SHEET

Batch/Work Order #: _____

Client Name: Pangea

Project: 1230 14th St.

Delivered by: Client SunStar Courier GSO FedEx Other

If Courier, Received by: _____

Date/Time Courier Received: _____

Lab Received by: Jan M.

Date/Time Lab Received: 11-4-16 1131

Total number of coolers received: 1

Temperature: Cooler #1	4.8	°C +/- the CF (- 0.2°C) =	4.6	°C corrected temperature
Temperature: Cooler #2		°C +/- the CF (- 0.2°C) =		°C corrected temperature
Temperature: Cooler #3		°C +/- the CF (- 0.2°C) =		°C corrected temperature
Temperature criteria = ≤ 6°C (no frozen containers)		Within criteria?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
IF NO:				
Samples received on ice?	<input type="checkbox"/> Yes	<input type="checkbox"/> No → Complete Non-Conformance Sheet		
If on ice, samples received same day collected?	<input type="checkbox"/> Yes → Acceptable	<input type="checkbox"/> No → Complete Non-Conformance Sheet		

Custody seals intact on cooler/sample Yes No* N/A

Sample containers intact Yes No*

Sample labels match Chain of Custody IDs Yes No*

Total number of containers received match COC Yes No*

Proper containers received for analyses requested on COC Yes No*

Proper preservative indicated on COC/containers for analyses requested Yes No* N/A

Complete shipment received in good condition with correct temperatures, containers, labels, volumes preservatives and within method specified holding times Yes No*

* Complete Non-Conformance Receiving Sheet if checked Cooler/Sample Review - Initials and date: DM 11-4-16

Comments:

SAMPLE NON-CONFORMANCE SHEET

Batch/Work Order # _____

▪ **COOLERS**

- Not Received (received COC only)
- Leaking/Damaged
- Other:

▪ **CUSTODY SEALS**

- None
- Not Intact

▪ **TEMPERATURE (Temp criteria = $\leq 6^\circ\text{C}$)**

- Cooler/Sample Temp(s)
- Temperature Blank(s)

▪ **CHAIN OF CUSTODY (COC)**

- Not relinquished by client; No date/time relinquished
- Incomplete information provided
- COC not received – notify PM

▪ **CONTAINERS**

- Leaking Broken
- Extra Missing

▪ **LABELS**

- Not the same sample ID / info as on the COC
- Incomplete Information
- Markings/Info illegible

▪ **SAMPLES**

- Samples **NOT RECEIVED** but listed on COC
- Samples received but **NOT LISTED** on COC
- Logged based on Label Information and not COC
- Logged according to Work Plan and not COC
- Logged in, **ON HOLD** until further notice
- Insufficient quantities for analysis
- Improper container used
- Mislabeled as to tests, preservatives, etc.
- Holding time expired – list sample ID and test
- Not preserved/Improper preservative used
- Without Labels, no information on containers
- Other

Comments: _____

Received one VOA that was not labeled.

Sample fractioning only if broken container compromises other samples or if out of temp reading impacts more than one cooler

Fraction													Preser.
VOA													

WORK ORDER

T162803

Client: Pangea Environmental Services, Inc.
Project: 1230 14th St

Project Manager: Rose Fasheh
Project Number: [none]

Report To:

Pangea Environmental Services, Inc.
 Morgan Gillies
 1710 Franklin Street, Suite 200
 Oakland, CA 94612

Date Due: 11/11/16 17:00 (5 day TAT)

Received By: Dan Marteski

Date Received: 11/04/16 11:31

Logged In By: Dan Marteski

Date Logged In: 11/04/16 12:17

Samples Received at: 5°C
 Custody Seals Yes Received On Ice Yes
 Containers Intact Yes
 COC/Labels Agree Yes
 Preservation Confir Yes

Analysis	Due	TAT	Expires	Comments
T162803-01 MW-4 [Water] Sampled 11/02/16 11:45 (GMT-08:00) Pacific Time (US &				
8015 m Gas Purge	11/11/16 15:00	5	11/16/16 11:45	
8021	11/11/16 15:00	5	11/16/16 11:45	BTEX & MTBE
T162803-02 MW-5R [Water] Sampled 11/02/16 14:30 (GMT-08:00) Pacific Time (US &				
8015 m Gas Purge	11/11/16 15:00	5	11/16/16 14:30	
8021	11/11/16 15:00	5	11/16/16 14:30	BTEX & MTBE
T162803-03 MW-6 [Water] Sampled 11/02/16 13:20 (GMT-08:00) Pacific Time (US &				
8015 m Gas Purge	11/11/16 15:00	5	11/16/16 13:20	
8021	11/11/16 15:00	5	11/16/16 13:20	BTEX & MTBE
T162803-04 MW-7 [Water] Sampled 11/02/16 12:30 (GMT-08:00) Pacific Time (US &				
418.1 TRPH	11/11/16 15:00	5	11/30/16 12:30	
6010 Title 22	11/11/16 15:00	5	05/01/17 12:30	
8015 m Gas Purge	11/11/16 15:00	5	11/16/16 12:30	
8260	11/11/16 15:00	5	11/16/16 12:30	+ MTBE
8270C	11/11/16 15:00	5	11/16/16 12:30	

WORK ORDER

T162803

Client: Pangea Environmental Services, Inc.
Project: 1230 14th St

Project Manager: Rose Fasheh
Project Number: [none]

Analysis	Due	TAT	Expires	Comments
T162803-05 DP-1 [Water] Sampled 11/02/16 14:00 (GMT-08:00) Pacific Time (US &				
8015 m Gas Purge	11/11/16 15:00	5	11/16/16 14:00	
8021	11/11/16 15:00	5	11/16/16 14:00	BTEX & MTBE
T162803-06 AS-2 [Water] Sampled 11/02/16 15:00 (GMT-08:00) Pacific Time (US &				
8015 m Gas Purge	11/11/16 15:00	5	11/16/16 15:00	
8021	11/11/16 15:00	5	11/16/16 15:00	BTEX & MTBE
T162803-07 AS-4 [Water] Sampled 11/02/16 16:05 (GMT-08:00) Pacific Time (US &				
8015 m Gas Purge	11/11/16 15:00	5	11/16/16 16:05	
8021	11/11/16 15:00	5	11/16/16 16:05	BTEX & MTBE

Analysis groups included in this work order

6010 Title 22

subgroup 6010B T22 7470/71 Hg