SOMA
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November 10, 2016

Mr. Martin Musonge
San Francisco Regional Water Quality Control Board
1515 Clay Street, Suite 1400
Oakland, California 94612

Subject: LTCP Review for Desert Petroleum #796, 2844 Mountain Blvd, Oakland

Dear Mr. Musonge:

As requested in your email directive dated October 31, 2016, following is a review of the site conditions based on the Low Threat Closure Policy (LTCP) established by the State Water Resources Control Board.

1.1 General Criteria

The site satisfies the general criteria for LTCP as follows:

a. The unauthorized release is located within the service area of a public water system
b. Unauthorized release consists only of petroleum
c. The unauthorized release has been stopped
d. No free product has been observed at the site
e. A site conceptual model has been developed
f. Secondary source has been removed to the extent practicable
g. Soil and groundwater have been tested for MtBE and results reported in accordance with Health and safety code section 25296.15
h. Nuisance as defined by Water Code section 13050 does not exist at the site
i. There are no unique site attributes or site-specific conditions that demonstrably increase the risk associated with residual petroleum constituents.

1.2 Media-Specific Criteria-Groundwater

The subject site satisfies the following characteristics of this criteria:

- The contaminant plume that exceeds water quality objectives is less than 250 feet in length.
- There is no free product
- The nearest surface water body (Palo Seko Creek) is greater than 1,000 ft from the defined plume boundary
- The dissolved concentration of benzene is less than 3,000 g/L

However, the subject site does not satisfy the following criteria:

- Dissolved concentration of MtBE is less than 1,000 µg/L.

  The dissolved concentration of MtBE observed in borings advanced recently (March 2016) was very high (off-site location DPT-8 was as high as 30,000 µg/L). MtBE was also very high in on-site boring DPT-2 installed in 2012 (52,000 µg/L). In addition, TBA and TAME at maximum concentrations of 92,000 µg/L and 5,600 µg/L have were detected during recent investigations.

Therefore, the site does not meet all of the characteristics of this criteria.

Tables 1 and 2 show most recent contaminant concentrations in groundwater observed during the Third Quarter 2016 Groundwater Monitoring Event and recent investigation of March 2016. Figures 1 through 3 show the extent of MtBE, TBA, and TAME in groundwater.

1.3 Media-Specific Criteria - Petroleum Vapor Intrusion to Indoor Air

According to the LTCP, exposure to petroleum vapors migrating from soil or groundwater to indoor air may pose unacceptable human health risks.

Due to the absence of soil gas data and due to shallow groundwater levels observed between 5 and 10 feet bgs at the site, Scenario 3 of the vapor intrusion criteria was evaluated for the site.

- Benzene concentrations at the site during recent monitoring events and investigations were less than 100 µg/L.
- There is a continuous zone that provides separation of at least 5 feet distance between the water table containing dissolved phase benzene and the ground surface.

However, total TPH exceeded 100 mg/kg in the shallow sample (<5 feet) collected at B-2 in August 2011. Therefore, the site does not satisfy this criteria.

1.4 Media-Specific Criteria - Direct Contact and Outdoor Air Exposure

Media-specific criteria for direct contact and outdoor air exposure is satisfied if maximum concentrations of petroleum constituents in soil are less than or equal to those listed in Table 1 of the LTCP document (see below) for the specified depth below ground surface (bgs). The concentration limits for 0 to 5 feet bgs protect from ingestion of soil, dermal contact with soil, and inhalation of volatile soil emissions and inhalation of particulate emissions. The 5 to 10 feet bgs concentration limits protect from inhalation of volatile soil emissions.

Historical soil sampling results were compared to the concentration limits referenced in the LTCP document. As seen below, the on-site contaminant concentrations in shallow soil samples indicate that the site is eligible for case closure with respect to the media specific criteria for direct and outdoor air exposure for benzene, ethylbenzene, and naphthalene. However, no data is available for PAH. Detailed historical soil sampling results are included in Table 3.

Table 1 Concentrations of Petroleum Constituents in Soil That Will Have No Significant Risk of Adversely Affecting Human Health (LTCP)

Chemical	On-site Concentrations		Residential		Commercial/Industrial		Utility Worker
	0 to 5 feet bgs mg/kg	5 to 10 feet bgs mg/kg	0 to 5 feet bgs mg/kg	Volatilization to Outdoor Air (5 to 10 feet bgs) mg/kg	0 to 5 feet bgs mg/kg	Volatilization to Outdoor Air (5 to 10 feet bgs) mg/kg	0 to 5 feet bgs mg/kg
Benzene	<0.25 (DPT-5 @ 4)	<1.3 (MW-2 @ 10)	1.9	2.8	8.2	12	14
Ethylbenzene	<0.25 (DPT-5 @ 4)	22 (MW-1 @ 10)	21	32	89	134	314
Naphthalene	0.67 (B-2 @ 2.60)	5.9 (MW-2 @ 10)	9.7	9.7	45	45	219
PAH	-	-	0.063	NA	0.68	NA	4.5

1.5 Conclusions and Recommendation

Based on the discussion presented in section 1.2 and 1.3 above, this site does not qualify for the closure under the LTCP yet. Along with MtBE, TBA and TAME are also at elevated levels in the groundwater (Figure 1 through 3). In order to address these elevated concentrations, SOMA is recommending to prepare a corrective action plan (CAP) and address removing of MTBE, TBA and TAME from the shallow perched zone.

SOMA recommends to conduct a soil gas survey at the site in order to accurately evaluate the site for 'Petroleum Vapor Intrusion to Indoor Air' media criteria. Additionally, SOMA recommends to collect shallow soil samples for analysis of PAH in order to complete the evaluation of 'Direct Contact and Out Air Exposure'.

Please do not hesitate to call me at (925)734-6400 if you have any questions or comments.

Sincerely,

Mansour Sepehr, PhD, PE
Principal Hydrogeologist

REGISTERED PROFESSIONAL ENGINEER
MANSOUR SEPEHR
No. C042928
Exp. 3-31-18
CIVIL
STATE OF CALIFORNIA

Attachments:

Figure 1: Contour Map Showing Current MtBE Concentrations in Groundwater
Figure 2: Contour Map Showing Current TBA Concentrations in Groundwater
Figure 3: Contour Map Showing Current TAME Concentrations in Groundwater
Table 1: Historical groundwater Analytical results
Table 2: Historical Grab Groundwater Analytical Data
Table 3: Historical Soil Analytical Data

PERJURY STATEMENT

Site Location: 2844 Mountain Boulevard, Oakland, California

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

Tejindar Singh
6400 Dublin Boulevard
Dublin, California 94568
Responsible Party

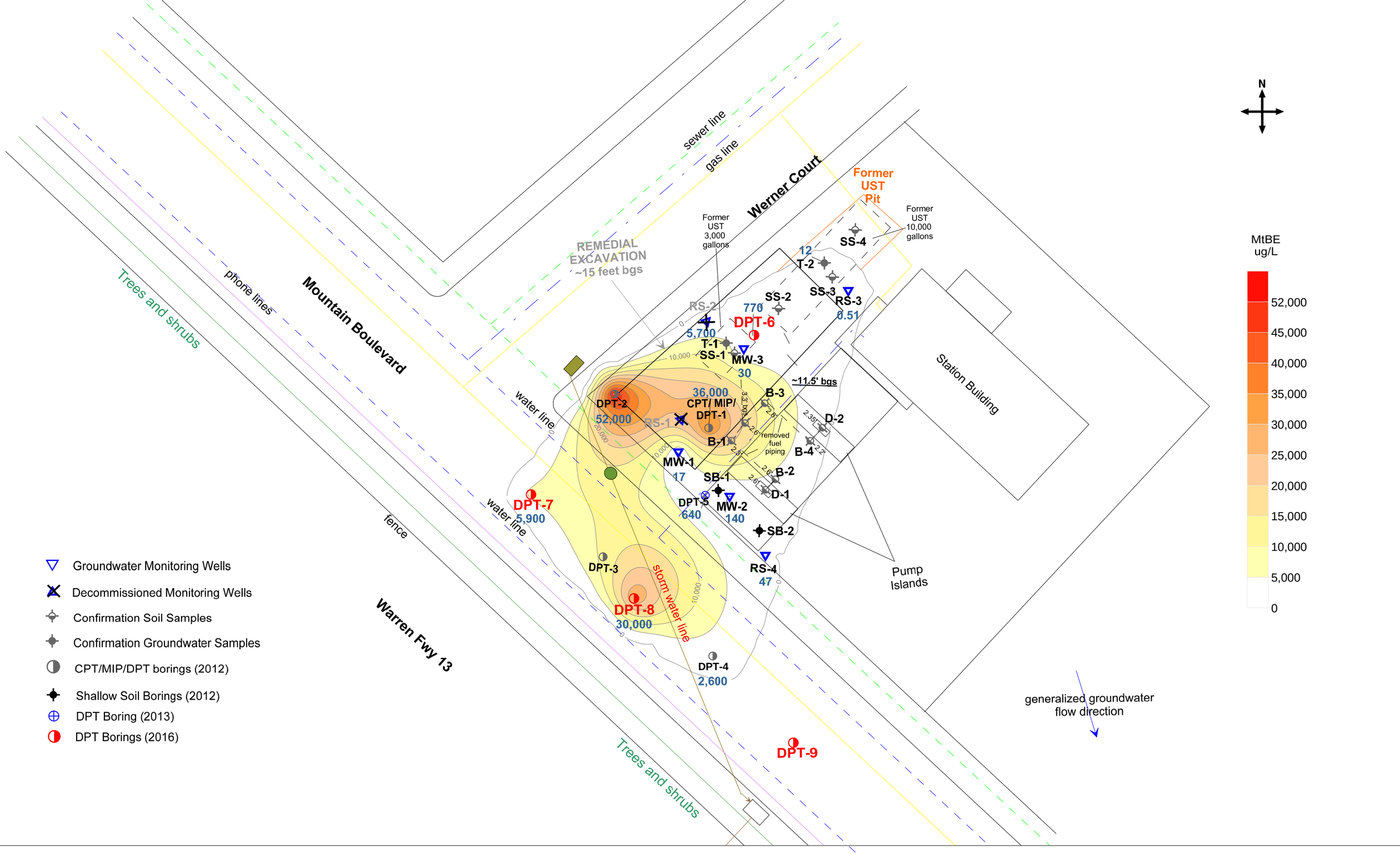

Figure 1: Contour Map Showing Current MtBE Concentrations in Groundwater

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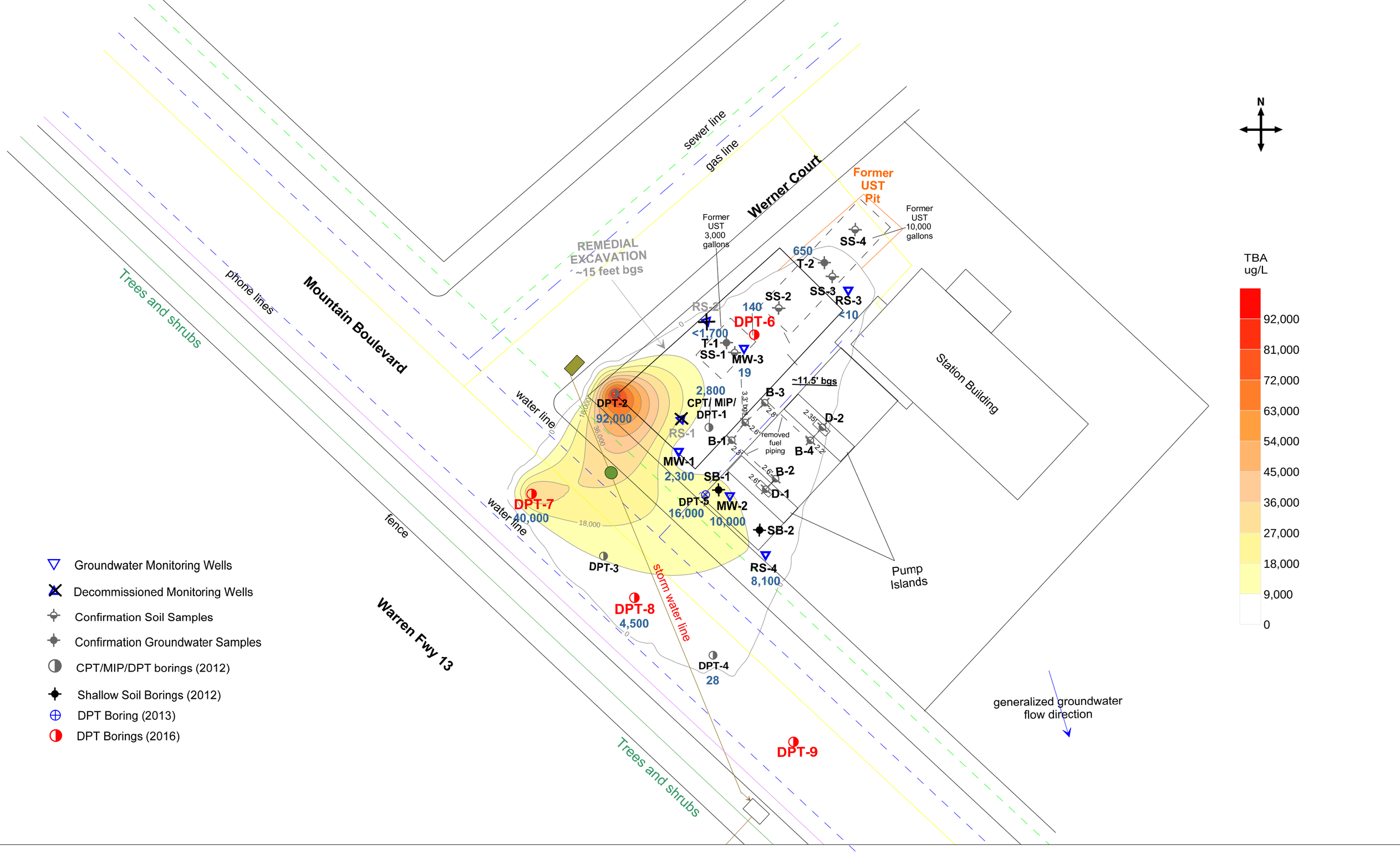

Figure 2: Contour Map Showing Current TBA Concentrations in Groundwater

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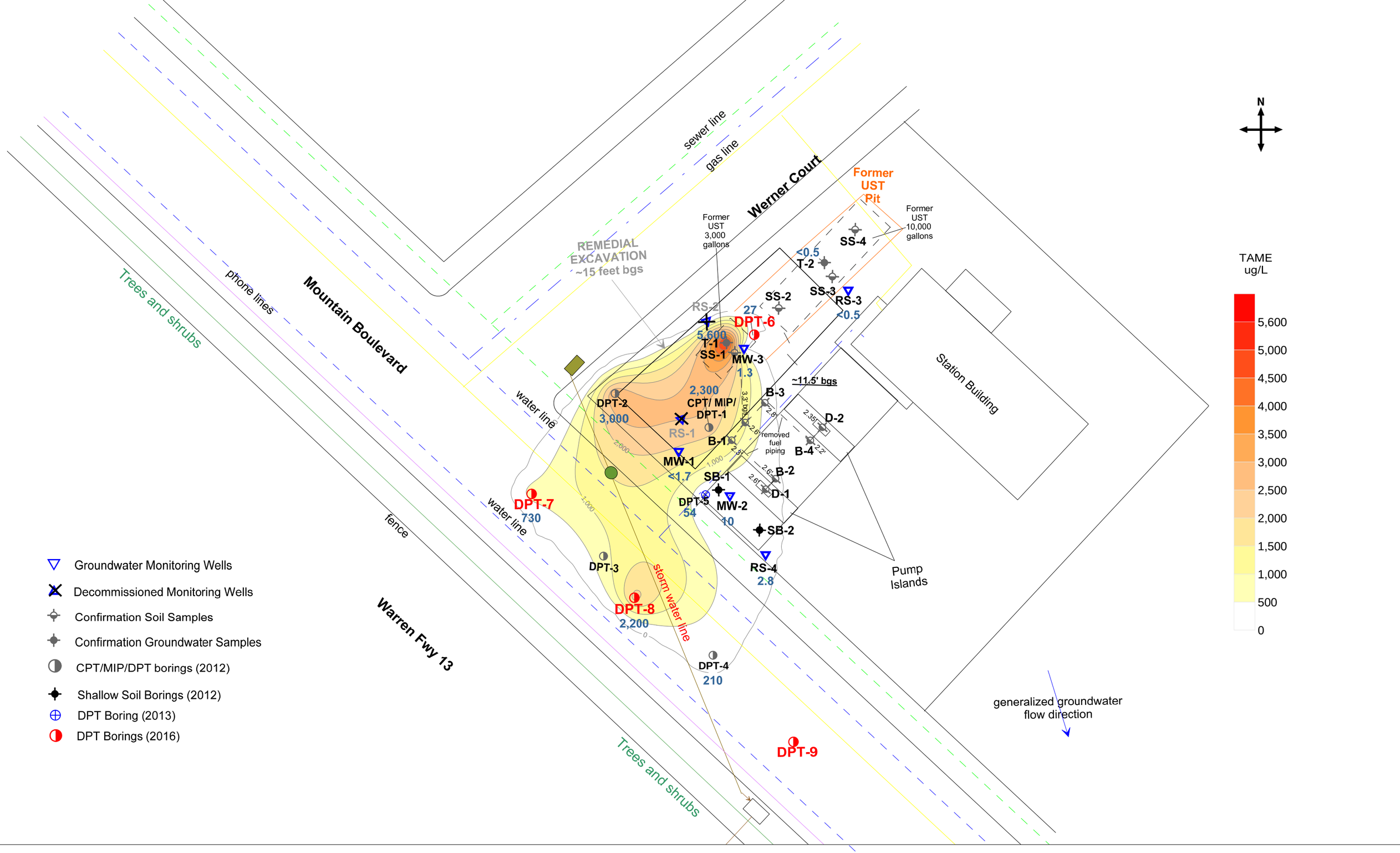

Figure 3: Contour Map Showing Current TAME Concentrations in Groundwater

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Table 1
Historical Groundwater Analytical Results
2844 Mountain Boulevard, Oakland, CA

Monitoring Well	Date	Casing Elevation (Ft.)	Depth to Top Fluid (Ft.)	Depth to Groundwater (Ft.)	Free-Product Thickness	Groundwater Elevation	TPH-g µg/L	TPH-d µg/L	TPH-mo µg/L	Benzene µg/L	Toluene µg/L	Ethylbenzene µg/L	Xylenes µg/L	MtBE µg/L	TBA µg/L	TAME µg/L
RS-1	5/1/90	675.63	7.20	7.20	0.00	668.43	2,700	-	-	370	420	40	320	-	-	-
	5/1/91	675.63	8.35	8.35	0.00	667.28	1,300	-	-	580	130	62	240	-	-	-
	10/1/91	675.63	10.22	10.22	0.00	665.41	1,100	-	-	140	100	45	210	-	-	-
	1/1/92	675.63	8.06	8.06	0.00	667.57	1,700	-	-	9.9	31	9.7	170	-	-	-
	1/1/93	675.63	5.30	5.30	0.00	670.33	3,700	-	-	650	9.2	51	170	-	-	-
	8/1/93	675.63	8.56	8.56	0.00	667.07	900	-	-	14	0.6	2.1	8	-	-	-
	11/1/93	675.63	8.44	8.44	0.00	667.19	1,400	-	-	9.6	ND	0.9	5	-	-	-
	1/1/94	675.63	6.88	6.88	0.00	668.75	4,200	-	-	95	3.1	58	130	-	-	-
	5/1/94	675.63	7.87	7.87	0.00	667.76	7,500	-	-	270	11	37	96	-	-	-
	8/1/94	675.63	16.28	16.28	0.00	659.35	130	-	-	12	0.5	2.6	5	-	-	-
	11/1/94	675.63	8.02	8.02	0.00	667.61	270	-	-	4.7	0.7	0.6	15	-	-	-
	2/1/95	675.63	6.51	6.51	0.00	669.12	12,000	-	-	81	2.3	1	12	-	-	-
	6/1/95	675.63	7.34	7.34	0.00	668.29	37,000	-	-	460	ND	ND	ND	63,000	-	-
	11/1/95	675.63	8.71	8.71	0.00	666.92	ND	-	-	660	16	140	330	31,000	-	-
	2/1/96	675.63	6.95	6.95	0.00	668.68	66,000	-	-	110	ND	12	21	84,000	-	-
	9/18/96	675.63	8.44	8.52	0.08	667.17	1 INCH FLOATING PRODUCT			-	-	-	-	-	-	-
	12/11/96	675.63	6.42	6.62	0.20	669.17	79,000	-	-	4,000	37,000	8,000	45,000	220,000	-	-
	2/21/97	675.63	6.88	6.92	0.04	668.74	1/2 INCH FLOATING PRODUCT			-	-	-	-	-	-	-
	5/28/97	675.63	7.88	7.96	0.08	667.73	156,000	-	-	9,400	51,000	7,000	45,000	112,000	-	-
	9/2/97	675.63	8.34	8.38	0.04	667.28	1/2 INCH FLOATING PRODUCT			-	-	-	-	-	-	-
	11/24/97	675.63	6.98	7.00	0.02	668.65	1/4 INCH FLOATING PRODUCT			-	-	-	-	-	-	-
	2/25/98	675.63	3.51	3.52	0.01	672.12	1/8 INCH FLOATING PRODUCT			-	-	-	-	-	-	-
	5/27/98	675.63	7.31	7.31	0.00	668.32	40,000	-	-	2,200	4,000	2,300	19,000	350,000	-	-
	9/16/98	675.63	8.10	8.10	0.00	667.53	62,000	-	-	2,400	2,300	2,100	14,000	250,000	-	-
	11/23/98	675.63	7.10	7.10	0.00	668.53	99,000	-	-	2,600	5,800	2,500	18,000	130,000	-	-
	2/23/99	675.67	4.82	4.87	0.05	670.84	5/8 INCH FLOATING PRODUCT			-	-	-	-	-	-	-
	5/5/99	675.67	6.86	6.90	0.04	668.80	FLOATING PRODUCT		-	-	-	-	-	-	-	-
	8/24/99	675.67	7.87	7.90	0.03	667.80	FLOATING PRODUCT		-	-	-	-	-	-	-	-
	2/8/12	675.67	6.80	6.80	0.00	668.87	60,000 x	8,200 x	<936	790	<6.4	2,000	430	65,000	41,000	5,100
	5/4/12	675.67	6.57	6.57	0.00	669.10	18,000	10,000	NA	600	<36	2,000	870	22,000	11,000	1,800
	8/6/12	675.67	7.61	7.61	0.00	668.06	16,000	12,000	NA	940	<130	2,000	560	42,000	35,000	3,400
	Well Destroyed October 1, 2012															
RS-2	5/1/90	689.00	7.06	7.06	0.00	681.94	23,000	-	-	7,200	4,800	300	3,300	-	-	-
	5/1/91	689.00	7.14	7.14	0.00	681.86	26,000	-	-	14,000	1,800	750	2,900	-	-	-
	10/1/91	688.89	8.84	8.84	0.00	680.05	13,000	-	-	4,300	910	300	2,300	-	-	-
	1/1/92	688.89	7.34	7.34	0.00	681.55	8,300	-	-	1,800	920	140	1,700	-	-	-
	1/1/93	688.89	4.10	4.10	0.00	684.79	41,000	-	-	7,000	210	1,200	4,200	-	-	-
	8/1/93	688.89	7.32	7.32	0.00	681.57	19,000	-	-	5,300	62	810	1,600	-	-	-
	11/1/93	688.89	7.34	7.34	0.00	681.55	9,300	-	-	2,400	3.90	46	800	-	-	-
	1/1/94	688.89	5.52	5.52	0.00	683.37	30,000	-	-	4,900	ND	880	2,600	-	-	-
	5/1/94	675.25	6.40	6.40	0.00	668.85	120,000	-	-	3,300	330	ND	2,200	-	-	-
	8/1/94	675.25			0.00	675.25	510	-	-	7.30	3.80	3.50	32	-	-	-
	11/1/94	675.25	9.82	9.82	0.00	665.43	620	-	-	6.60	3.90	1.10	47	-	-	-

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2844 Mountain Boulevard, Oakland, CA

Monitoring Well	Date	Casing Elevation (Ft.)	Depth to Top Fluid (Ft.)	Depth to Groundwater (Ft.)	Free-Product Thickness	Groundwater Elevation	TPH-g µg/L	TPH-d µg/L	TPH-mo µg/L	Benzene µg/L	Toluene µg/L	Ethylbenzene µg/L	Xylenes µg/L	MtBE µg/L	TBA µg/L	TAME µg/L
RS-2 cont.	2/1/95	675.25	4.81	4.81	0.00	670.44	22,000	-	-	228	80	2	463	-	-	-
	6/1/95	675.25	5.80	5.80	0.00	669.45	49,000	-	-	1,300	160	200	1,600	71,000	-	-
	11/1/95	675.25	7.64	7.64	0.00	667.61	ND	-	-	670	25	150	360	65,000	-	-
	2/1/96	675.25	4.69	4.69	0.00	670.56	75,000	-	-	1,400	170	59	460	71,000	-	-
	9/18/96	675.25	7.34	7.34	0.00	667.91	6,300	-	-	2,000	48	350	570	160,000	-	-
	12/11/96	675.25	5.08	5.08	0.00	670.17	16,000	-	-	2,000	840	200	3,200	180,000	-	-
	2/21/97	675.25	5.42	5.42	0.00	669.83	22,000	-	-	2,100	1,300	600	5,100	56,000	-	-
	5/28/97	675.25	6.40	6.40	0.00	668.85	156,000	-	-	4,200	89	1,000	6,900	390,000	-	-
	9/2/97	675.25	6.93	6.93	0.00	668.32	<50	-	-	1,300	25	360	1,400	180,000	-	-
	11/24/97	675.25	5.93	5.93	0.00	669.32	<50	-	-	600	ND	ND	ND	610,000	-	-
	2/25/98	675.25	4.59	4.59	0.00	670.66	11,000	-	-	1,100	<50	320	2,400	330,000	-	-
	5/27/98	675.25	5.61	5.61	0.00	669.64	13,000	-	-	2,000	150	600	2,700	380,000	-	-
	9/16/98	675.25	6.84	6.84	0.00	668.41	11,000	-	-	1,600	20	1,600	1,600	280,000	-	-
	11/23/98	675.25	6.24	6.24	0.00	669.01	12,000	-	-	1,200	84	<5	960	140,000	-	-
	2/23/99	675.28	4.62	4.62	0.00	670.66	8,800	-	-	1,500	650	640	1,500	450,000	-	-
	5/5/99	675.28	7.55	7.55	0.00	667.73	29,000	-	-	2,000	1,300	500	3,700	270,000	-	-
	8/24/99	675.28	6.62	6.62	0.00	668.66	12,000	-	-	1,900	20	370	980	340,000	-	-
	2/8/12	675.28	5.52	5.52	0.00	669.76	18,000 x	6,800 x	<378	540	<6.4	120	710	2,800	64,000	420
	5/4/12	675.28	5.18	5.18	0.00	670.10	16,000	13,000	NA	690	23	460	1,140	6,800	21,000	960
	8/6/12	675.28	6.33	6.33	0.00	668.95	11,000	10,000	NA	810	<25	210	473	3,300	18,000	580
	Well Destroyed October 1, 2012															
RS-3	5/1/90	670.00	6.00	6.00	0.00	664.00	330	-	-	2	1	1	150	-	-	-
	5/1/91	670.00	6.76	6.76	0.00	663.24	ND	-	-	0.40	ND	0.80	8	-	-	-
	10/1/91	670.00	8.98	8.98	0.00	661.02	ND	-	-	ND	ND	ND	ND	-	-	-
	1/1/92	670.00	6.81	6.81	0.00	663.19	ND	-	-	2.20	7.20	0.60	4	-	-	-
	1/1/93	670.00	4.05	4.05	0.00	665.95	ND	-	-	ND	ND	ND	ND	-	-	-
	8/1/93	670.00	7.19	7.19	0.00	662.81	ND	-	-	30	6	2.40	5	-	-	-
	11/1/93	670.00	7.12	7.12	0.00	662.88	ND	-	-	4.80	0.40	0.60	2	-	-	-
	1/1/94	670.00	5.42	5.42	0.00	664.58	330	-	-	25	3.20	3.90	12	-	-	-
	5/1/94	676.20	5.78	5.78	0.00	670.42	670	-	-	34	4	28	70	-	-	-
	8/1/94	676.20	5.86	5.86	0.00	670.34	ND	-	-	ND	ND	ND	ND	-	-	-
	11/1/94	676.20	5.08	5.08	0.00	671.12	69	-	-	2.50	3.10	1	4	-	-	-
	2/1/95	676.20	4.51	4.51	0.00	671.69	ND	-	-	0.30	0.40	ND	1	-	-	-
	6/1/95	676.20	5.29	5.29	0.00	670.91	ND	-	-	ND	ND	ND	ND	66	-	-
	11/1/95	676.20	7.10	7.10	0.00	669.10	ND	-	-	ND	ND	ND	ND	44	-	-
	2/1/96	676.20	4.48	4.48	0.00	671.72	120	-	-	ND	ND	ND	ND	110	-	-
	9/18/96	676.20	6.92	6.92	0.00	669.28	1,000	-	-	13	8.60	10	17	33	-	-
	12/11/96	676.20	4.90	4.90	0.00	671.30	85	-	-	20	2	<0.5	14	4,700	-	-
	2/21/97	676.20	4.94	4.94	0.00	671.26	120	-	-	5	2	2	6	850	-	-
	5/28/97	676.20	7.92	7.92	0.00	668.28	<50	-	-	6	<0.5	<0.5	<2	2,400	-	-
	9/2/97	676.20	6.60	6.60	0.00	669.60	<50	-	-	0.90	<0.5	<0.5	<2	8,600	-	-
	11/24/97	676.20	5.89	5.89	0.00	670.31	140	-	-	13	2	1	12	3,600	-	-
	2/25/98	676.20	4.29	4.29	0.00	671.91	<50	-	-	<0.5	<0.5	<0.5	4	850	-	-
	5/27/98	676.20	5.01	5.01	0.00	671.19	<50	-	-	7	<0.5	<0.5	11	940	-	-

Table 1
Historical Groundwater Analytical Results
2844 Mountain Boulevard, Oakland, CA

Monitoring Well	Date	Casing Elevation (Ft.)	Depth to Top Fluid (Ft.)	Depth to Groundwater (Ft.)	Free-Product Thickness	Groundwater Elevation	TPH-g µg/L	TPH-d µg/L	TPH-mo µg/L	Benzene µg/L	Toluene µg/L	Ethylbenzene µg/L	Xylenes µg/L	MtBE µg/L	TBA µg/L	TAME µg/L
RS-3 cont.	9/16/98	676.20	6.21	6.21	0.00	669.99	<50	-	-	2	2	2	10	670	-	-
	11/24/98	676.20	5.58	5.58	0.00	670.62	85	-	-	9	23	<0.5	19	180	-	-
	2/24/99	676.23	4.30	4.30	0.00	671.93	<50	-	-	<0.5	0.90	<0.5	<1.0	150	-	-
	5/5/99	676.23	4.92	4.92	0.00	671.31	<50	-	-	1	2	1	6	130	-	-
	8/24/99	676.23	6.64	6.64	0.00	669.59	80	-	-	0.80	<0.5	0.60	<1	300	-	-
	2/8/12	676.23	5.72	5.72	0.00	670.51	130 x	<42	<94	<0.13	0.59	2.90	18.1	7.9	<1.5	<0.17
	5/4/12	676.23	5.25	5.25	0.00	670.98	<50	330 Y	NA	<0.5	<0.5	<0.5	<0.5	10	18	2.4
	8/6/12	676.23	6.65	6.65	0.00	669.58	<50	390 Y	NA	<0.5	<0.5	<0.5	<0.5	13	<10	3.2
	3/29/13	676.23	6.01	6.01	0.00	670.22	<50	90 Y	NA	<0.5	<0.5	<0.5	<0.5	3.6	<10	<0.5
	6/6/13	676.08	6.45	6.45	0.00	669.63	<50	66 Y	NA	<0.5	<0.5	<0.5	<0.5	1.5	<10	<0.5
	9/4/13	676.08	6.91	6.91	0.00	669.17	<50	170 Y	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5
	12/30/13	676.08	7.21	7.21	0.00	668.87	<50	61 Y	NA	<0.5	<0.5	<0.5	<0.5	21	680	0.64
	3/10/14	676.08	5.68	5.68	0.00	670.40	<50	<50	NA	<0.5	<0.5	<0.5	<0.5	14	320	0.61
	6/3/14	676.08	6.72	6.72	0.00	669.36	<50	<50	NA	<0.5	<0.5	<0.5	<0.5	41	490	1.70
	8/27/14	676.08	7.10	7.10	0.00	668.98	<50	120 Y	NA	<0.5	<0.5	<0.5	<0.5	27	<10	1.20
	11/13/14	676.08	6.53	6.53	0.00	669.55	<50*	58 Y	NA	<0.5	<0.5	<0.5	<0.5	19	<10	0.60
	2/12/15	676.08	5.95	5.95	0.00	670.13	<50	56 Y	NA	<0.5	<0.5	<0.5	<0.5	19	<10	<0.5
	5/13/15	676.08	6.93	6.93	0.00	669.15	<50	<50	NA	<0.5	<0.5	<0.5	<0.5	4.6	<10	<0.5
post-MPE	6/22/15	676.08	8.87	8.87	0.00	667.21	<50	<50	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5
	8/12/15	676.08	7.79	7.79	0.00	668.29	<50	<52	NA	<0.5	<0.5	<0.5	<0.5	0.57	<10	<0.5
	11/12/15	676.08	7.85	7.85	0.00	668.23	<50	<49	NA	<0.5	<0.5	<0.5	<0.5	1.10	<10	<0.5
	2/15/16	676.08	5.88	5.88	0.00	670.20	<50	<49	NA	<0.5	<0.5	<0.5	<0.5	5.40	<10	<0.5
	5/6/16	676.08	5.93	5.93	0.00	670.15	<50	<50	NA	<0.5	<0.5	<0.5	<0.5	4.80	<10	<0.5
	8/17/16	**676.08**	**6.70**	**6.70**	**0.00**	**669.38**	**<50**	**81Y**	**NA**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**0.51**	**<10**	**<0.5**
RS-4	5/1/90	675.38	8.34	8.34	0.00	667.04	440	-	-	9	11	9	49	-	-	-
	5/1/91	675.38	9.50	9.50	0.00	665.88	ND	-	-	8	4	3	5	-	-	-
	10/1/91	675.38	10.82	10.82	0.00	664.56	830	-	-	280	120	24	170	-	-	-
	1/1/92	675.38	9.31	9.31	0.00	666.07	620	-	-	34	8.30	2.10	21	-	-	-
	1/1/93	675.38	6.89	6.89	0.00	668.49	150	-	-	32	1.70	5.80	13	-	-	-
	8/1/93	675.38	9.68	9.68	0.00	665.70	ND	-	-	0.90	0.70	ND	0	-	-	-
	11/1/93	675.38	9.83	9.83	0.00	665.55	ND	-	-	ND	ND	ND	ND	-	-	-
	1/1/94	675.38	8.17	8.17	0.00	667.21	ND	-	-	1.70	ND	0.81	2	-	-	-
	5/1/94	675.38	8.69	8.69	0.00	666.69	ND	-	-	ND	ND	ND	1	-	-	-
	8/1/94	675.38	9.04	9.04	0.00	666.34	420	-	-	6.50	4.10	1.90	40	-	-	-
	11/1/94	675.38	8.00	8.00	0.00	667.38	130	-	-	4.10	0.70	1.70	8	-	-	-
	2/1/95	675.38	7.93	7.93	0.00	667.45	ND	-	-	6	1.20	3.50	13	-	-	-
	6/1/95	675.38	8.61	8.61	0.00	666.77	ND	-	-	ND	ND	ND	ND	69	-	-
	11/1/95	675.38	10.43	10.43	0.00	664.95	ND	-	-	ND	ND	ND	ND	47	-	-
	2/1/96	675.38	7.44	7.44	0.00	667.94	960	-	-	ND	ND	0.60	ND	80	-	-
	9/18/96	675.38	9.58	9.58	0.00	665.80	<50	-	-	<0.5	<0.5	<0.5	<2	200	-	-
	12/11/96	675.38	7.50	7.50	0.00	667.88	75	-	-	<0.5	0.60	<0.5	<0.5	104	-	-

Table 1
Historical Groundwater Analytical Results
2844 Mountain Boulevard, Oakland, CA

Monitoring Well	Date	Casing Elevation (Ft.)	Depth to Top Fluid (Ft.)	Depth to Groundwater (Ft.)	Free-Product Thickness	Groundwater Elevation	TPH-g µg/L	TPH-d µg/L	TPH-mo µg/L	Benzene µg/L	Toluene µg/L	Ethylbenzene µg/L	Xylenes µg/L	MtBE µg/L	TBA µg/L	TAME µg/L
RS-4 cont.	2/21/97	675.38	8.26	8.26	0.00	667.12	<50	-	-	1	1	<0.5	1	190	-	-
	5/28/97	675.38	8.92	8.92	0.00	666.46	<50	-	-	6	<0.5	<0.5	<2	110	-	-
	9/2/97	675.38	9.39	9.39	0.00	665.99	100	-	-	3	<0.5	<0.5	<2	39	-	-
	11/24/97	675.38	8.22	8.22	0.00	667.16	41	-	-	<0.5	2	<0.5	<2	210	-	-
	2/25/98	675.38	7.19	7.19	0.00	668.19	<50	-	-	3	<0.5	<0.5	<1	5,600	-	-
	5/27/98	675.38	8.40	8.40	0.00	666.98	<50	-	-	<0.5	<0.5	<0.5	<1	2,400	-	-
	9/16/98	675.38	9.26	9.26	0.00	666.12	<50	-	-	<0.5	<0.5	<0.5	<1	230	-	-
	11/24/98	675.38	8.50	8.50	0.00	666.88	<50	-	-	2	<0.5	<0.5	<1	100	-	-
	2/24/99	675.42	7.20	7.20	0.00	668.22	<50	-	-	2	3	0.80	5	670	-	-
	5/5/99	675.42	8.37	8.37	0.00	667.05	100	-	-	<0.5	<0.5	<0.5	<1	440	-	-
	8/24/99	675.42	8.36	8.36	0.00	667.06	<50	-	-	<0.5	<0.5	<0.5	<1	<500	-	-
	2/8/12	675.42	8.11	8.11	0.00	667.31	140,000	130,000 x	<9,360	120	2,600	4,700	28,200	28,000	100,000	1,800
	5/4/12	675.42	8.31	8.31	0.00	667.11	67,000	12,000 Y	NA	61	900	2,100	9,700	32,000	69,000	1,700
	8/6/12	675.42	9.01	9.01	0.00	666.41	49,000	8,900	NA	<130	350	1,700	8,100	19,000	90,000	1,300
	3/29/13	675.42	8.49	8.49	0.00	666.93	14,000	14,000	NA	<100	<100	440	1,340	14,000	110,000	590
	6/6/13	675.27	8.48	8.48	0.00	666.79	12,000	7,200	NA	11	<3.6	420	886	16,000	66,000	970
	9/4/13	675.27	9.39	9.39	0.00	665.88	20,000	5,100	NA	<100	<100	660	2,830	18,000	75,000	1,200
	12/30/13	675.27	9.57	9.57	0.00	665.70	<13,000	9,900	NA	<130	<130	<130	150	16,000	37,000	1,100
	3/10/14	675.27	7.65	7.65	0.00	667.62	<10,000	3,700	NA	<100	<100	<100	<100	11,000	38,000	640
	6/3/14	675.27	9.27	9.27	0.00	666.00	<3,600	4,400	NA	<36	<36	40	<36	3,700	27,000	260
	8/27/14	675.27	9.43	9.43	0.00	665.84	2,500	4,700	NA	<20	<20	40	<20	2,100	28,000	150
	11/13/14	675.27	9.56	9.56	0.00	665.71	2,200*	3,500	NA	<20	<20	<20	36	11,000	15,000	910
	2/12/15	675.27	8.03	8.03	0.00	667.24	<1,300	1,900	NA	<13	<13	<13	<13	500	14,000	25
	5/13/15	675.27	9.05	9.05	0.00	666.22	<1,300	1,100	NA	<13	<13	<13	<13	460	25,000	21
Post-MPE	6/22/15	675.27	10.62	10.62	0.00	664.65	<1,300	770	NA	<13	<13	<13	<13	5,900	7,900	500
	8/12/15	675.27	9.93	9.93	0.00	665.34	320	1,300	NA	<1.3	<1.3	1.3	1.7	230	6,400	18
	11/12/15	675.27	9.58	9.58	0.00	665.69	170	440	NA	<0.5	<0.5	1.4	0.55	12	1,400	0.66
	2/15/16	675.27	8.43	8.43	0.00	666.84	<100	350 Y	NA	<1.0	<1.0	<1.0	<1.0	8.80	270	<1.0
	5/6/16	675.27	6.47	6.47	0.00	668.80	<50	850 Y	NA	<0.5	<0.5	<0.5	<0.5	160	21	5.60
	8/17/16	**675.27**	**9.38**	**9.38**	**0.00**	**665.89**	**100**	**710 Y**	**NA**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**47**	**8,100**	**2.80**
MW-1	6/6/13	674.92	6.03	6.03	0.00	668.89	<17,000	13,000	NA	930	370	470	1,760	55,000	32,000	7,200
	9/4/13	674.92	7.10	7.10	0.00	667.82	<50,000	13,000	NA	2,000	<500	1,400	4,200	70,000	48,000	7,700
	12/30/13	674.92	7.27	7.27	0.00	667.65	34,000	13,000	NA	920	1,000	1,300	4,900	43,000	43,000	4,500
	3/10/14	674.92	5.51	5.51	0.00	669.41	<20,000	11,000	NA	720	<200	890	1,970	25,000	30,000	2,600
	6/3/14	674.92	6.74	6.74	0.00	668.18	8,900	7,400	NA	350	<83	550	1,420	11,000	28,000	1,300
	8/27/14	674.92	7.23	7.23	0.00	667.69	8,100	12,000	NA	640	<63	610	720	8,400	23,000	1,500
	11/13/14	674.92	7.36	7.36	0.00	667.56	7,400*	7,900	NA	270	<63	360	880	6,100	12,000	910
	2/12/15	674.92	5.80	5.80	0.00	669.12	4,300	11,000	NA	200	<25	200	350	3,400	18,000	500
	5/13/15	674.92	7.00	7.00	0.00	667.92	2,700	7,100	NA	150	<8.3	170	76	1,000	12,000	150
Post-MPE	6/22/15	674.92	12.11	12.11	0.00	662.81	<1,300	2,600	NA	<13	<13	<13	<13	4,800	17,000	450
	8/12/15	674.92	8.25	8.25	0.00	666.67	2,000	8,100	NA	31	<8.3	27	46	530	10,000	57
	11/12/15	674.92	7.79	7.79	0.00	667.13	2,500	5,100	NA	16	<5.0	34	6.9	120	6,200	13

Table 1
Historical Groundwater Analytical Results
2844 Mountain Boulevard, Oakland, CA

Monitoring Well	Date	Casing Elevation (Ft.)	Depth to Top Fluid (Ft.)	Depth to Groundwater (Ft.)	Free-Product Thickness	Groundwater Elevation	TPH-g µg/L	TPH-d µg/L	TPH-mo µg/L	Benzene µg/L	Toluene µg/L	Ethylbenzene µg/L	Xylenes µg/L	MtBE µg/L	TBA µg/L	TAME µg/L
MW-1 cont.	2/15/16	674.92	5.94	5.94	0.00	668.98	970	3,700	NA	3.20	<2.5	27	11	75	4,100	7.40
	5/6/16	674.92	5.92	5.92	0.00	669.00	690	2,900	NA	1.80	<1.7	<1.7	<1.7	26	2,900	2.50
	8/17/16	**674.92**	**6.62**	**6.62**	**0.00**	**668.30**	**940**	**5,000 Y**	**NA**	**<1.7**	**<1.7**	**<1.7**	**<1.7**	**17**	**2,300**	**<1.7**
MW-2	6/6/13	675.02	6.70	6.70	0.00	668.32	16,000	5,400	NA	910	<130	610	2,290	59,000	64,000	7,700
	9/4/13	675.02	7.79	7.79	0.00	667.23	<25,000	3,900	NA	860	<250	710	1,580	32,000	31,000	4,600
	12/30/13	675.02	8.05	8.05	0.00	666.97	<13,000	6,300	NA	180	<130	<130	330	18,000	53,000	1,800
	3/10/14	675.02	6.08	6.08	0.00	668.94	14,000	11,000	NA	210	<130	360	700	15,000	40,000	1,800
	6/3/14	675.02	7.54	7.54	0.00	667.48	<7,100	6,200	NA	170	<71	310	150	8,000	29,000	920
	8/27/14	675.02	7.90	7.90	0.00	667.12	3,400	5,000	NA	100	<8.3	120	88	2,300	25,000	310
	11/13/14	675.02	8.12	8.12	0.00	666.90	1,000*	4,700	NA	120	<8.3	11	<8.3	4,000	22,000	460
	2/12/15	675.02	6.33	6.33	0.00	668.69	<4,200	5,400	NA	98	<42	58	<42	6,300	42,000	610
	5/13/15	675.02	7.72	7.72	0.00	667.30	<2,000	4,900	NA	86	<20	45	<20	870	34,000	96
Post-MPE	6/22/15	675.02	11.30	11.30	0.00	663.72	<2,000	3,300	NA	<20	<20	<20	<20	3,400	18,000	460
	8/12/15	675.02	8.86	8.86	0.00	666.16	<2,000	2,800 Y	NA	<20	<20	<20	<20	470	23,000	31
	11/12/15	675.02	8.30	8.30	0.00	666.72	<2,000	1,800	NA	<20	<20	<20	<20	340	37,000	25
	2/15/16	675.02	6.67	6.67	0.00	668.35	620	1,900	NA	32	<2.0	8.2	<2.0	180	26,000	15
	5/6/16	675.02	5.72	5.72	0.00	669.30	1,200	1,700	NA	43	<2.5	14	<2.5	220	19,000	20
	8/17/16	**675.02**	**7.67**	**7.67**	**0.00**	**667.35**	**<710**	**1,100**	**NA**	**20**	**<7.1**	**<7.1**	**<7.1**	**140**	**10,000**	**10**
MW-3	5/13/15	675.58	6.60	6.60	0.00	668.98	<50	7,000	NA	<0.5	<0.5	<0.5	0.75	160	380	8.4
Post-MPE	6/22/15	675.58	14.31	14.31	0.00	661.27	<100	650 Y	NA	<1.0	<1.0	<1.0	<1.0	190	17	6.3
	8/12/15	675.58	7.80	7.80	0.00	667.78	<170	410 Y	NA	<1.7	<1.7	<1.7	<1.7	590	41	20
	11/12/15	675.58	7.78	7.78	0.00	667.80	<50	220 Y	NA	<0.5	<0.5	<0.5	<0.5	67	<10	1.70
	2/15/16	675.58	5.40	5.40	0.00	670.18	<50	370 Y	NA	<0.5	<0.5	<0.5	<0.5	140	<10	3.20
	5/6/16	675.58	5.68	5.68	0.00	669.90	140	490 Y	NA	<0.5	<0.5	<0.5	<0.5	190	9,000	10
	8/17/16	**675.58**	**6.37**	**6.37**	**0.00**	**669.21**	**<50**	**870 Y**	**NA**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**30**	**19**	**1.30**
ESLs (µg/L)	**Ground-water**						100	100	NA	1.00	40	13	20	5.00	12	NL
	Vapor Intrusion						NV	NV	NV	1.10	3,600	13	1,300	1,200	NV	NL

Note:

< : Below Laboratory Reporting Limit (Method Detection Limit)

x : Does not match pattern of reference Gasoline standard/ Not typical of diesel standard pattern (possibly fuel lighter than diesel)

* : Laboratory instruments for EPA8260 were down. Therefore, TPH-g was analyzed by EPA8015B instead of EPA8260 for samples collected on 11/13/2014

ESL: Environmental Screening Level by California Regional Water Quality Control Board San Francisco Bay Region, February 2016

NL: Not Listed

NV: No Value

Table 2:
Historical Grab Groundwater Analytical Data
2844 Mountain Blvd, Oakland, CA

Sample ID	Date	Depth of Boring at the time of sampling (feet)	Depth to water at the time of sampling (feet)	TPH-d (µg/L)	TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MtBE (µg/L)	TBA (µg/L)	TAME (µg/L)	Naphthalene (µg/L)
Perched Discontinuous Water Bearing Zone													
T-1	8/9/2011	NA	11.50	**14,000**	**76,000**	**1,600**	**11,000**	**2,000**	**10,000**	**5,700**	<1,700	5,600	**530**
T-2	8/9/2011	NA	11.50	**1,500**	**890**	**8**	7.3	<0.5	**157**	**12**	**650**	<0.5	**7.6**
2012													
CPT/DPT-1-1	3/16/2012	24	23.1	**140** [Y]	<6,300	**94**	**64**	<63	<63	**36,000**	**2,800**	2,300	NA
CPT/DPT-2-1	3/16/2012	24	21.9	**820**	<13,000	<130	<130	<130	<130	**52,000**	**92,000**	3,000	NA
DPT-4-1	3/15/2012	32	29	**150** [Y]	<50	<0.5	<0.5	<0.5	<0.5	**2,600**	**28**	210	NA
2013													
DPT-5W-1	5/9/2013	15	14	**4,300**	**2,100**	**10**	<6.3	23	<6.3	**640**	**16,000**	54	<25
DPT-5W-2	5/10/2013	25	10	**630 Y**	<2,000	<20	<20	<20	<20	**40,000**	**59,000**	2,200	<80
2016													
DPT-6A	**3/16/2016**	16	13	**230 Y**	<100	<1.0	<1.0	<1.0	<1.0	**770**	**140**	**27**	<4.0
DPT-7A	**3/14/2016**	24	21	83 Y	<1,000	<10	<10	<10	<10	**5,900**	**40,000**	**730**	<40
DPT-8A	**3/15/2016**	19	16	**210 Y**	<3,100	<31	<31	<31	70	**30,000**	**4,500**	**2,200**	<130
First Water Bearing Zone													
2012													
CPT/DPT-2-2	3/16/2012	48	41.9	**300** [Y]	**4,500**	**160**	**390**	**170**	**800**	**11,000**	**6,100**	1,500	NA
DPT-3-2	3/15/2012	49	39	53 [Y]	<1,700	<17	<17	<17	<17	**9,800**	**1,000**	690	NA
2013													
DPT-5W-3	5/9/2013	50	39	**320 Y**	<50	<0.5	<0.5	<0.5	<0.5	2.8	<10	<0.5	<2.0
2016													
DPT-6B	**3/16/2016**	56	51	<61	<50	<0.5	<0.5	<0.5	<0.5	**7.7**	<10	<0.5	<2.0
DPT-7B	**3/14/2016**	54	46	78 Y	<130	<1.3	<1.3	<1.3	<1.3	**780**	**310**	**56**	<5.0
DPT-8B	**3/15/2016**	56	46	<71	<50	3.50	0.50	1.90	3.41	**310**	**48**	**27**	<2.0
DPT-9B	**3/15/2016**	54	46	<59	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<0.50	<2.0
ESL - Potential Drinking Water				**100**	**100**	**1**	**40**	**30**	**20**	**5**	**12**	**NA**	**0.12**

Notes:
< : below Laboratory Detection Limits
NA- Not Applicable

ESL: California Regional Water Quality Control Board, Environmental Screening Levels, Shallow/Deep Soil, Commercial, Groundwater is a current or potential source of drinking water, Feb 2016

Table 3
Historical Soil Analytical Data
2844 Mountain Blvd, Oakland, CA

Sample ID	Date	Sample Depth (feet)	TPH-g (mg/kg)	TPH-d (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	MtBE (mg/kg)	TBA (mg/kg)	TAME (mg/kg)	Methanol (mg/kg)
Sampling Beneath USTs												
~~**SS-1**~~	~~8/9/2011~~	~~11.50~~	~~**2,300**~~	~~**630 Y**~~	~~<2.5~~	~~**15**~~	~~**17**~~	~~**123**~~	~~**3.3**~~	~~<50~~	~~<2.5~~	~~1.5 C~~
~~**SS-2**~~	~~8/9/2011~~	~~11.50~~	~~**690 Y**~~	~~**800**~~	~~<2.0~~	~~<2.0~~	~~<2.0~~	~~<2.0~~	~~<2.0~~	~~<40~~	~~<2.0~~	~~<1.0~~
SS-3	8/9/2011	11.50	<0.91	<1.0	0.0053	0.06	0.0078	0.0430	**0.54**	**0.11**	0.14	<1.0
SS-4	8/9/2011	11.50	30 Y	51 Y	0.0054	0.055	0.011	0.054	**0.310**	<0.1	0.064	<1.0
CS-1-CS-4 Composite	8/9/2011	NA	**570 Y**	**180 Y**	<1.3	2.1	**4.8**	**35**	<1.3	<25	<1.3	<1.0
Sampling Beneath Fuel Piping												
T-Junction	8/18/2011	2.6-3.3	<0.99	11 Y	<0.0047	<0.0047	<0.0047	<0.0047	**0.5**	**0.82**	0.031	<0.98
B-1	8/18/2011	2.30	<0.91	1.4 Y	<0.005	<0.005	<0.005	<0.005	0.013	<0.1	<5	<1
B-2	8/18/2011	2.60	29 Y	**160**	<0.033	<0.033	<0.033	<0.033	**0.410**	**1.6**	0.044	<1
B-3	8/18/2011	2.80	<1.1	25 Y	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.091	<0.0045	<0.99
B-4	8/18/2011	2.20	<0.92	18 Y	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.097	<0.0049	<0.98
D-1	8/18/2011	2.60	2	4.0 Y	<0.026	<0.026	<0.026	0.050	**0.96**	**3.1**	0.140	1.4 C
D-2	8/18/2011	2.35	1.4 Y	2.7 Y	<0.0048	<0.0048	<0.0048	<0.0048	**0.095**	**0.57**	<0.0048	<0.99
~~**CPT/DPT-1**~~	~~3/16/2012~~	~~8~~	~~**1,300**~~	~~99 Y~~	~~<1.0~~	~~<1.0~~	~~**16**~~	~~**58**~~	~~**16**~~	~~<20~~	~~1.6~~	~~NA~~
~~**CPT/DPT-1**~~	~~3/16/2012~~	~~15~~	~~1.9~~	~~1.6 Y~~	~~<1.0~~	~~<1.0~~	~~<1.0~~	~~<1.0~~	~~**13**~~	~~**38**~~	~~<1.0~~	~~NA~~
CPT/DPT-1	3/16/2012	42	<0.93	2.2 Y	<0.0049	<0.0049	<0.0049	<0.0049	**0.50**	**0.27**	0.020	NA
~~**CPT/DPT-2**~~	~~3/16/2012~~	~~10~~	~~28~~	~~21 Y~~	~~<0.25~~	~~<0.25~~	~~<0.25~~	~~0.260~~	~~**1.7**~~	~~**7.10**~~	~~<0.25~~	~~NA~~
CPT/DPT-2	3/16/2012	16	<0.98	<1.0	<0.046	<0.046	<0.046	<0.046	**0.084**	**14.00**	<0.046	NA
CPT/DPT-2	3/16/2012	48	<1.0	1.1 Y	<0.0049	<0.0049	<0.0049	<0.0049	**0.200**	<0.098	0.013	NA
DPT-3	3/15/2012	8	<1.1	<0.99	<0.0049	<0.0049	<0.0049	<0.0049	**0.490**	<0.099	0.027	NA
DPT-3	3/15/2012	15	<0.97	<1.0	<0.0047	<0.0047	<0.0047	<0.0047	**1.200**	<0.094	0.026	NA
DPT-4	3/15/2012	8	<1.1	<1.0	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.098	<0.0049	NA
DPT-4	3/15/2012	16	7.1 Y	9.0 Y	<0.0049	<0.0049	<0.0049	<0.0049	**0.061**	<0.098	<0.0049	NA
DPT-4	3/15/2012	43	<1.1	<1.0	<0.0049	<0.0049	<0.0049	<0.0049	**0.025**	<0.098	<0.0049	NA
Aug-12												
SB-1	8/31/2012	6	<1.1	<1.0	<0.0049	<0.0049	<0.0049	<0.0049	0.0051	NA	NA	NA
SB-1	8/31/2012	10	**440 Y**	**210 Y**	<0.63	<0.63	**6.50**	**9.70**	**1.60**	NA	NA	NA
SB-1	8/31/2012	13	11 Y	<1.0	<0.02	<0.02	<0.02	<0.02	**0.39**	NA	NA	NA
SB-2	8/31/2012	6	<0.93	63 Y	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	NA	NA	NA
SB-2	8/31/2012	10	60 Y	3.4 Y	<0.01	<0.01	<0.01	0.016	0.015	NA	NA	NA
SB-2	8/31/2012	13	4.4 Y	2.8 Y	<0.0048	<0.0048	<0.0048	<0.0048	0.022	NA	NA	NA
Oct-12												
CS-1	10/4/2012	15	<1.0	<1.0	<0.049	<0.049	<0.049	<0.049	**1.50**	<0.98	<0.049	NA
CS-2	10/4/2012	15	<1.1	<0.99	<0.0047	<0.0047	<0.0047	<0.0047	**0.97**	**0.78**	0.045	NA
CS-3	10/4/2012	15	<1.1	<1.0	<0.0049	<0.0049	<0.0049	<0.0049	**0.65**	**5.50**	0.031	NA
CS-4	10/4/2012	15	<1.1	<1.0	<0.024	<0.024	<0.024	<0.024	**1.30**	**6.50**	0.110	NA
CS-5	10/5/2012	15	<1.1	<1.0	<0.049	<0.049	<0.049	<0.049	**4.40**	**20**	0.58	NA
WCS-1	10/8/2012	10	3.3	20 Y	<0.047	<0.047	<0.047	0.560	**2.60**	**6.50**	0.53	NA
WCS-2	10/8/2012	10	<0.94	9.4 Y	<0.01	<0.01	<0.01	<0.01	**0.13**	**30**	<0.01	NA
WCS-3	10/8/2012	10	3.6 Y	18 Y	<0.049	<0.049	<0.049	<0.049	<0.049	**4.50**	<0.049	NA

Table 3
Historical Soil Analytical Data
2844 Mountain Blvd, Oakland, CA

Sample ID	Date	Sample Depth (feet)	TPH-g (mg/kg)	TPH-d (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	MtBE (mg/kg)	TBA (mg/kg)	TAME (mg/kg)	Methanol(mg/kg)
May-13												
DPT-5	5/9/2013	4 b	3.7 Y	16 Y	<0.25	<0.25	<0.25	<0.25	**2.6**	<5.0	1.0	NA
DPT-5	5/9/2013	10	90 Y	47	<0.25	<0.25	0.77	<0.25	**1.5**	<5.0	<0.25	NA
DPT-5	5/9/2013	12	56 Y	17	<0.25	<0.25	0.87	0.53	**3.10**	<5.0	0.36	NA
DPT-5	5/9/2013	15	<0.98	<1.0	<0.025	<0.025	<0.025	<0.025	**0.073**	**9.10**	<0.025	NA
DPT-5	5/9/2013	30	<0.96	1.1 Y	<0.0047	<0.0047	<0.0047	<0.0047	0.0063	<0.094	<0.0047	NA
DPT-5	5/9/2013	50	<1.1	<1.0	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.098	<0.0049	NA
MW-1	5/9/2013	5 b	3.9	11 Y	<0.25	<0.25	<0.25	<0.25	**7.6**	**6.20**	0.45	NA
MW-1	5/9/2013	10	**750**	**130**	<1.0	<1.0	**22**	**108**	**14**	<20	2.1	NA
MW-1	5/9/2013	12	**910**	**140**	<2.0	**5.6**	**19**	**124**	**7.7**	<40	<2.0	NA
MW-1	5/9/2013	15 b	**460**	91 b	<0.5	1.7 b	**6.8 b**	**42 b**	**3.7 b**	<10	<0.5	NA
MW-1	5/9/2013	25	2	1.3 Y	<0.5	<0.5	<0.5	<0.5	**11**	<10	0.60	NA
MW-2	5/9/2013	7 b	7.2 Y	21 Y	<0.25	<0.25	<0.25	<0.25	**0.39 b**	<5.0	<0.25	NA
MW-2	5/9/2013	10	**960**	**400**	<1.3	<1.3	**18**	**64.5**	**14**	<25	3	NA
MW-2	5/9/2013	12	**270**	95	<1.0	<1.0	**5**	**27**	**27**	<20	4.8	NA
MW-2	5/9/2013	17	<0.99	<1.0	<0.25	<0.25	<0.25	<0.25	**2.2**	**14**	<0.25	NA
May-15												
MW-3	**5/1/2015**	20	<1.1	<1.0	<0.0049	<0.0049	<0.0049	<0.0049	**0.16**	<0.099	0.0056	NA
MW-3	**5/1/2015**	24	<1.1	<1.0	<0.0048	<0.0048	<0.0048	<0.0048	**0.79**	<0.096	0.0320	NA
Mar-16												
DPT-6	3/16/2016	16	<0.95	<1.0	<0.0049	<0.0049	<0.0049	<0.0049	**0.040**	<0.099	<0.0049	NA
DPT-6	3/16/2016	44	<1.1	5.5 Y	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.098	<0.0049	NA
DPT-7	3/14/2016	20	<1.1	6.3 Y	<0.0047	<0.0047	<0.0047	<0.0047	**3.3**	**6.0**	**0.29**	NA
DPT-7	3/14/2016	48	<1.0	1.7 Y	<0.005	<0.005	<0.005	<0.005	<0.005	<0.099	<0.005	NA
DPT-8	3/15/2016	24	<1.0	<1.0	<0.0046	<0.0046	<0.0046	<0.0046	**0.50**	<0.96	**0.045**	NA
DPT-8	3/15/2016	36	<0.97	<1.0	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.096	<0.0048	NA
DPT-8	3/15/2016	45	<1.1	<1.0	<0.0045	<0.0045	<0.0045	<0.0045	0.0082	<0.091	<0.0045	NA
DPT-9	3/15/2016	24	<1.1	2.4 Y	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.091	<0.0046	NA
DPT-9	3/15/2016	48	<0.94	<1.0	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.094	<0.0047	NA
ESL - Shallow Soil Residential, Potential Drinking			**100**	**240**	**0.044**	**2.9**	**1.4**	**2.3**	**0.023**	**0.075**	NA	NA
ESL-Deep Soil Residential, Potential Drinking			**500**	**240**	**0.044**	**2.9**	**1.4**	**2.3**	**0.023**	**0.075**	NA	NA

Table 3
Historical Soil Analytical Data
2844 Mountain Blvd, Oakland, CA

Sample ID	Date	Sample Depth (feet)	Acetone (mg/kg)	Methylene chloride (mg/kg)	Isopropylbenzene (mg/kg)	Propylbenzene (mg/kg)	1,3,5-Trimethylbenzene (mg/kg)	1,2,4-Trimethylbenzene (mg/kg)	sec-Butylbenzene (mg/kg)	n-Butylbenzene (mg/kg)	Naphthalene (mg/kg)	Ethanol (mg/kg)
Sampling Beneath USTs												
~~**SS-1**~~	~~8/9/2011~~	~~11.50~~	~~<10~~	~~<10~~	~~2.7~~	~~12~~	~~29~~	~~93~~	~~<2.5~~	~~7.5~~	~~**19**~~	~~2~~
~~**SS-2**~~	~~8/9/2011~~	~~11.50~~	~~<8.0~~	~~<8.0~~	~~<2.0~~	~~<2.0~~	~~<2.0~~	~~<2.0~~	~~<2.0~~	~~2.4~~	~~**3.8**~~	~~<1.0~~
SS-3	8/9/2011	11.50	0.057	0.026	<0.0046	<0.0046	<0.0046	0.0059	<0.0046	<0.0046	<0.0046	<1.0
SS-4	8/9/2011	11.50	0.045	<0.02	<0.005	0.005	<0.005	<0.005	0.0066	0.011	<0.005	<1.0
CS-1-CS-4 Composite	8/9/2011	NA	<5.0	<5.0	<1.3	3.3	9.8	30	<1.3	1.8	**4.5**	<1.0
Sampling Beneath Fuel Piping												
T-Junction	8/18/2011	2.6-3.3	0.087	<0.019	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.98
B-1	8/18/2011	2.30	0.025	<0.02	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<1
B-2	8/18/2011	2.60	0.320	<0.130	0.048	0.250	<0.033	<0.033	0.055	0.250	0.670	1.4
B-3	8/18/2011	2.80	<0.018	<0.018	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.99
B-4	8/18/2011	2.20	<0.019	<0.019	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.98
D-1	8/18/2011	2.60	**0.710**	**<0.1**	<0.26	0.038	<0.026	0.099	<0.026	<0.026	<0.026	<0.98
D-2	8/18/2011	2.35	0.170	<0.019	<0.0048	0.0072	0.0054	0.029	<0.0048	<0.0048	<0.0048	<0.99
Oct-12												
CS-1	10/4/2012	15	<0.20	<0.20	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049	<9.80
CS-2	10/4/2012	15	<0.019	<0.019	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.94
CS-3	10/4/2012	15	<0.019	<0.019	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.97
CS-4	10/4/2012	15	<0.097	<0.097	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<4.90
CS-5	10/5/2012	15	0.25	<0.20	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049	<9.80
WCS-1	10/8/2012	10	**1.70**	<0.19	<0.047	<0.047	0.15	0.24	<0.047	<0.047	<0.047	<9.4
WCS-2	10/8/2012	10	**2.90**	<0.041	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.013	<2.0
WCS-3	10/8/2012	10	**0.91**	<0.20	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049	0.077	<9.8
May-13												
DPT-5	5/9/2013	4	NA	NA	NA	NA	NA	NA	NA	NA	<0.25	<50
DPT-5	5/9/2013	10	NA	NA	NA	NA	NA	NA	NA	NA	**1.40**	<50
DPT-5	5/9/2013	12	NA	NA	NA	NA	NA	NA	NA	NA	0.58	<50
DPT-5	5/9/2013	15	NA	NA	NA	NA	NA	NA	NA	NA	<0.048	<5.0
DPT-5	5/9/2013	30	NA	NA	NA	NA	NA	NA	NA	NA	<0.0047	<0.94
DPT-5	5/9/2013	50	NA	NA	NA	NA	NA	NA	NA	NA	<0.0049	<0.98
MW-1	5/9/2013	5	NA	NA	NA	NA	NA	NA	NA	NA	<0.25	<50
MW-1	5/9/2013	10	NA	NA	NA	NA	NA	NA	NA	NA	**5.2**	<200
MW-1	5/9/2013	12	NA	NA	NA	NA	NA	NA	NA	NA	**5.3**	<400
MW-1	5/9/2013	15	NA	NA	NA	NA	NA	NA	NA	NA	**3.2**	<100
MW-1	5/9/2013	25	NA	NA	NA	NA	NA	NA	NA	NA	<0.5	<100
MW-2	5/9/2013	7	NA	NA	NA	NA	NA	NA	NA	NA	<0.25	<50
MW-2	5/9/2013	10	NA	NA	NA	NA	NA	NA	NA	NA	**5.9**	<250
MW-2	5/9/2013	12	NA	NA	NA	NA	NA	NA	NA	NA	**2.4**	<200
MW-2	5/9/2013	17	NA	NA	NA	NA	NA	NA	NA	NA	<0.25	<50

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2844 Mountain Blvd, Oakland, CA

Sample ID	Date	Sample Depth (feet)	Acetone (mg/kg)	Methylene chloride (mg/kg)	Isopropylbenzene (mg/kg)	Propylbenzene (mg/kg)	1,3,5-Trimethylbenzene (mg/kg)	1,2,4-Trimethylbenzene (mg/kg)	sec-Butylbenzene (mg/kg)	n-Butylbenzene (mg/kg)	Naphthalene (mg/kg)	Ethanol (mg/kg)
Mar-16												
DPT-6	3/16/2016	16	NA	NA	NA	NA	NA	NA	NA	NA	<0.0049	NA
DPT-6	3/16/2016	44	NA	NA	NA	NA	NA	NA	NA	NA	<0.0049	NA
DPT-7	3/14/2016	20	NA	NA	NA	NA	NA	NA	NA	NA	<0.0047	NA
DPT-7	3/14/2016	48	NA	NA	NA	NA	NA	NA	NA	NA	<0.005	NA
DPT-8	3/15/2016	24	NA	NA	NA	NA	NA	NA	NA	NA	<0.0046	NA
DPT-8	3/15/2016	36	NA	NA	NA	NA	NA	NA	NA	NA	<0.0048	NA
DPT-8	3/15/2016	45	NA	NA	NA	NA	NA	NA	NA	NA	<0.0045	NA
DPT-9	3/15/2016	24	NA	NA	NA	NA	NA	NA	NA	NA	<0.0046	NA
DPT-9	3/15/2016	48	NA	NA	NA	NA	NA	NA	NA	NA	<0.0047	NA
ESL - Shallow Soil Residential, Potential Drinking			0.500	0.077	NA	NA	NA	NA	NA	NA	0.023	NA
ESL-Deep Soil Residential, Potential Drinking			0.500	0.077	NA	NA	NA	NA	NA	NA	0.023	NA

Note:

C: Presence confirmed, but RPD between columns exceeds 40%

Y: Sample exhibits chromatographic pattern which does not resemble standard

<: Below laboratory-reporting limit

ESL: California Regional Water Quality Control Board, Environmental Screening Levels, Shallow/Deep Soil, Commercial, Groundwater is a current or potential source of drinking water, February 2016

NA: Not Applicable

~~**CPT/DPT-2**~~ Excavated locations