Pacific Gas and Electric Company

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1 June 2016

RECEIVED
By Alameda County Environmental Health 1:56 pm, Jun 03, 2016

Alameda County Environmental Health
1131 Harbor Bay Parkway
Alameda, CA 94502-6577

Subject: 205 Brush Street
Oakland, CA
RO0003196

Mr. Keith Nowell:

As the legally authorized representative of PG&E, who contracted ERM-WEST, Inc. (ERM) to prepare the *Site Characterization Technical Memorandum*, I have reviewed the report and declare under the penalty of perjury, that the information and/or recommendations contained in this report are true and correct to the best of my knowledge.

Sincerely,

Ben A. LePage, Ph.D.

Manager, Remediation

Memorandum

Environmental Resources Management

1277 Treat Boulevard
Suite 500
Walnut Creek, CA 94597
(925) 946-0455
(925) 946-9968 (fax)

To: Keith Nowell, ACEH

From: John Lucio, ERM

Date: 1 June 2016

Subject: RO0003196 - Site Characterization Technical Memorandum, 205 Brush Street, Oakland, California

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This memorandum presents the results of the initial phase of investigation at the former Port of Oakland property located at 205 Brush Street in Oakland, California (site; Figure 1). The general scope of work was described in the November 2015 *Site Characterization Investigation Work Plan* (Work Plan; ERM 2015), which was modified based on comments and requests provided by Alameda County Department of Environmental Health (ACEH) in a 4 March 2016 letter to Pacific Gas and Electric Company (PG&E). The revised sampling strategy was provided in a summary figure and table that was submitted to ACEH on 8 and 9 March 2016. The summary figure and table are included in this memorandum as Figure 2 and Table 1. ACEH provided approval of the Work Plan in a 15 March 2016 letter to PG&E.

As presented in the Work Plan and shown on Figure 2, the first phase of work entailed the completion of 16 borings and three soil vapor probes to complete the onsite delineation of chemicals of concern to soil, soil vapor, and shallow groundwater at the site. Consistent with the Work Plan, the purpose of this technical memorandum is to provide ACEH with (1) the results of the initial investigations and (2) any additional scope necessary to address remaining data gaps or changes to the scope of the second phase of investigation provided in the Work Plan. Below is a brief summary of the investigation results and the proposed scope of work for the second phase of investigation; a complete evaluation will be provided in a subsequent investigation report that will be submitted following the completion of the second phase of investigation.

Investigation Results

The fieldwork was completed between 6 and 15 April 2016. The specific details of the fieldwork with regard to proposed depth of the borings and sample intervals are provided in Table 1. The boring logs will be provided within the subsequent investigation report. The borings were completed to total depths ranging from 4 to 15 feet below ground surface (bgs). Groundwater was encountered at depths ranging from approximately 5 to 11 feet bgs during the investigation.

Soil Results

Forty-two soil samples were collected for analysis during the first phase of investigation and the samples were sent to Curtis & Tompkins, Ltd., a California-certified laboratory in Berkeley, California, for analysis of total petroleum hydrocarbons (TPH) by U.S. Environmental Protection Agency (USEPA) Method 8015M, volatile organic compounds (VOCs) by USEPA Method 8260, semivolatile organic compounds (SVOCs) by USEPA Method 8270, organochlorine pesticides by USEPA 8081A, and polychlorinated biphenyls (PCBs) by USEPA Method 8082. The results of the soil sample analyses are provided in Tables 2 through 6, as well as on Figures 3 through 6. The soil results provided in the tables and figures are compared to applicable Environmental Screening Levels (ESLs) set by the San Francisco Bay Regional Water Quality Control Board (RWQCB) in their ESL Workbook (February 2016, Revision 3). The applicable ESLs provided in the tables and figures are primarily the Tier-1 ESLs, which are the most conservative levels, with the exception of Tier-1 ESLs that were based on direct contact in a residential scenario. For these ESLs, the risk levels corresponding to direct contact in a commercial/industrial scenario were used, which is consistent with the current and future use of the property.

As seen in Figures 3, 4, and 6, the locations with concentrations of TPH, VOCs, SVOCs, pesticides, and PCBs in soil above their applicable ESLs have been adequately defined to allow for future assessment of site-specific risk and remedial design.

As seen on Figure 5, two metals, arsenic and lead, were detected above their applicable ESLs. Arsenic concentrations detected in all soil samples were above the applicable ESL; however, the range of detected concentrations (0.82 to 25 milligrams per kilogram [mg/kg]) are within

the same order of magnitude as the recognized upper limit of background levels in Bay Area soil and do not appear to indicate an origin from previous site activities. Concentrations of lead above its applicable ESL appears to be isolated to shallow soil samples and may be indicative of the fill used on the site prior to development of the current structures. As seen in Figure 5, a number of locations (SB-11, SB-12, and SB-23) with shallow lead concentrations above the applicable ESL are not currently bound by samples with levels below the applicable ESL. To address this remaining soil data gap, shallow borings and sample collection for lead analysis are proposed for the second phase of investigation to complete the lead delineation in shallow soil. These proposed locations are discussed below.

Groundwater Results

Grab groundwater samples were collected from shallow groundwater at 11 locations during the initial investigation. The groundwater samples were submitted to Curtis & Tompkins for analysis of TPH by USEPA Method 8015M, VOCs by USEPA 8260, SVOCs by USEPA 8270, and metals by USEPA Methods 6010/7000. The results of the groundwater analyses are provided in Tables 7 through 10 and Figures 7 through 9. The results of the groundwater analyses are compared to Tier-1 ESLs from the RWQCB ESL Workbook (February 2016, Revision 3). As seen in Figures 7 through 9, the locations with concentrations of TPH, VOCs, SVOCs, and metals in groundwater above their Tier-1 ESLs have been adequately defined to allow for future assessment of site-specific risk and remedial design.

Soil Vapor Results

Four soil vapor samples were collected to characterize the presence of a vapor sample collected during the due diligence fieldwork that contained a concentration of tetrachloroethene (PCE) above its commercial/ industrial ESL. The samples were collected and sent to Eurofins Air Toxics, Inc., a California-certified laboratory in Folsom, California, for analysis of VOCs by USEPA TO-15. The results of the soil vapor analyses are provided on Table 10 and Figure 10. As seen on Figure 10, the results show that the presence of PCE above the applicable commercial/ industrial ESL has been delineated. The figure also shows that a concentration of benzene above its commercial/industrial ESL. This location was close to the former underground storage tank (UST) site, which will be the focus of future remediation.

Proposed Phase II Investigation Scope

Based on the results of the initial investigation, ERM recommends that the second phase of site investigation be completed as presented in the November 2015 Work Plan. The second phase will provide delineation of deeper site lithology and hydrostratigraphy, as well as groundwater quality in the deeper groundwater zone. As outlined in the Work Plan, the second phase will entail the completion of three cone penetration test (CPT) borings (one upgradient and two downgradient of the former UST) and collection of depth-discrete groundwater samples. The locations are shown on Figure 11.

In addition, to address the delineation of lead in shallow soil, we propose five additional shallow borings at the locations shown on Figure 11. The soil borings will be completed to approximately 5 feet bgs and two soil samples (0.5 to 1 feet bgs and 3.5 to 4 feet bgs) will be collected and submitted for analysis of Title 22 metals by USEPA Methods 6010/7000. Also, to address the potential for PCE in soil vapor to be present above its residential ESL near a neighboring work/live property, one additional soil vapor sample will be collected at the location shown in Figure 11 using the sampling procedure outlined in the Work Plan. The vapor sample will be submitted to a California state-certified laboratory for VOCs analysis by USEPA Method TO-15.

PG&E is prepared to conduct the second phase of the investigation upon concurrence of the proposed sampling locations and scope with ACEH. Please contact me with any questions or comments.

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Attachments:
Tables 1 – 10
Figures 1 – 11

Tables

Table 1
Proposed Phase I Sampling Strategy
Site Characterization Technical Memorandum
205 Brush Street
Oakland, California

Sampling Location	Anticipated Total Depth (ft bgs)	Approximate Sampling Depths (ft bgs)	Groundwater Samples	Analytes
SB-11	5	0.5 to 1.0, 3.5 to 4	No	Soil: Title 22 Metals
SB-12	5	0.5 to 1.0, 3.5 to 4	No	Soil: Title 22 Metals
SB-13	15	None proposed	Yes	GW: VOCs, TPH-g, TPH-d, TPH-mo, SVOCs, Title 22 Metals
SB-14	15	0.5 to 1.0, 3.5 to 4, 7.5 to 8, 11.5 to 12	Yes	Soil: VOCs, TPH-g, TPH-d, TPH-mo, SVOCs; samples above 5 feet add organochlorine pesticides, PCBs, and Title 22 metals GW: VOCs, TPH-g, TPH-d, TPH-mo, SVOCs, Title 22 Metals
SB-15	15	0.5 to 1.0, 3.5 to 4, 7.5 to 8, 11.5 to 12	Yes	Soil: VOCs, TPH-g, TPH-d, TPH-mo, SVOCs; samples above 5 feet add organochlorine pesticides, PCBs, and Title 22 metals GW: VOCs, TPH-g, TPH-d, TPH-mo, SVOCs, Title 22 Metals
SB-16	15	0.5 to 1.0, 3.5 to 4, 7.5 to 8, 11.5 to 12	Yes	Soil: VOCs, TPH-g, TPH-d, TPH-mo, SVOCs; samples above 5 feet add organochlorine pesticides, PCBs, and Title 22 metals GW: VOCs, TPH-g, TPH-d, TPH-mo, SVOCs, Title 22 Metals
SB-17	5	0.5 to 1.0, 3.5 to 4	No	Soil: Title 22 Metals
SB-18	5	0.5 to 1.0, 3.5 to 4	No	Soil: Title 22 Metals, TPH-d, TPH-mo, organochlorine pesticides, and PCBs
SB-19	15	0.5 to 1.0, 3.5 to 4, 7.5 to 8, 11.5 to 12	Yes	Soil: VOCs, TPH-g, TPH-d, TPH-mo, SVOCs; **samples above 5 feet add Title 22 metals** GW: VOCs, TPH-g, TPH-d, TPH-mo, SVOCs, Title 22 Metals

Table 1
Proposed Phase I Sampling Strategy
Site Characterization Technical Memorandum
205 Brush Street
Oakland, California

Sampling Location	Anticipated Total Depth (ft bgs)	Approximate Sampling Depths (ft bgs)	Groundwater Samples	Analytes
SB-20	15	0.5 to 1.0, 3.5 to 4, 7.5 to 8, 11.5 to 12	Yes	Soil: VOCs, TPH-g, TPH-d, TPH-mo, SVOCs GW: VOCs, TPH-g, TPH-d, TPH-mo, SVOCs, Title 22 Metals
SB-21	15	None proposed	Yes	GW: VOCs, TPH-g, TPH-d, TPH-mo, SVOCs, Title 22 Metals
SB-22	15	0.5 to 1.0, 3.5 to 4, 7.5 to 8, 11.5 to 12	Yes	**Soil: VOCs, TPH-g, TPH-d, TPH-mo, SVOCs, Title 22 Metals** GW: VOCs, TPH-g, TPH-d, TPH-mo, SVOCs, Title 22 Metals
SB-23	15	0.5 to 1.0, 3.5 to 4, 7.5 to 8, 11.5 to 12	Yes	**Soil: VOCs, TPH-g, TPH-d, TPH-mo** GW: VOCs, TPH-g, TPH-d, TPH-mo, SVOCs, Title 22 Metals
SB-24	5	0.5 to 1.0, 3.5 to 4	No	Soil: Title 22 Metals
SB-25	15	0.5 to 1.0, 3.5 to 4, 7.5 to 8, 11.5 to 12	Yes	Soil: VOCs, TPH-g, TPH-d, SVOCs GW: VOCs, TPH-g, TPH-d, SVOCs
SB-26	15	0.5 to 1.0, 3.5 to 4, 7.5 to 8, 11.5 to 12	Yes	Soil: VOCs, TPH-g, TPH-d, SVOCs GW: VOCs, TPH-g, TPH-d, SVOCs

Notes:
ft bgs = feet below ground surface
Bolded analytes indicate additional requested analyses by ACEH
Highlighted borings indicate additional requested locations by ACEH.
TPH-d and TPH-mo will be analyzed without silica gel cleanup; based on initial analytical results, silica gel cleanup may be used on some samples for comparison purposes.

Soil samples intervals are approximate and will be based on visual and field screening with an organic vapor analyzer; sample intervals will not be in excess of 5 feet bgs.

Samples will be collected at significant changes in lithology, areas of obvious impact, and, at ACEH's request, at the soil/groundwater interface.

Table 2
Total Petroleum Hydrocarbons and Volatile Organic Compounds in Soil
Site Characterization Technical Memorandum
205 Brush Street
Oakland, California

Sample ID Location	Sample Depth (ft bgs)	Date Sampled	TPH-d*	TPH-mo*	TPH-g*	Acetone	Benzene	Toluene	Ethylbenzene	m,p-Xylenes	o-Xylene	MTBE	Naphthalene	Tetrachloroethene	1,1,2-Trichloroethane	1,2,4-Trimethylbenzene	1,2,3-Trichloropropoane	1,3,5-Trimethylbenzene	2-Butanone	Isopropylbenzene	para-Isopropyl Toluene	Propylbenzene	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene
		Tier-1 ESLs	*230*	*5,100*	*100*	*0.5*	*0.044*	*2.9*	*1.4*	*2.3*	*2.3*	*0.023*	*0.033*	*0.42*	*0.07*	---	---	---	*2.8*	---	---		---	---	---
		Applicable ESLs	*1,100*	*5,100*	*500*	*0.5*	*0.044*	*2.9*	*1.4*	*2.3*	*2.3*	*0.023*	*0.033*	*0.42*	*0.07*	---	---	---	*2.8*	---	---		---	---	---
January 2014 Event																									
SB-2	1.5 - 2.0	1/23/2014	**170 HD,SG**	**370 HD, SG**	**3.7 HD**	<0.12	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	**0.0052**	<0.0049	**0.015**	<0.0049	<0.0049	<0.0049
SB-2	8.5 - 9.0	1/23/2014	**80 HD,SG**	**65 HD, SG**	**2,300**	<12	<5	**100**	**54**	**220**	**81**	<5	<50	<5	<5	**99**	<5	**32**	<50	<5	<5	**17**	**8.1**	<5	<5
SB-2	14.0 - 14.5	1/23/2014	<5.0 SG	<25 SG	<0.50	<0.13	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051
SB-3	0.5 - 1.0	1/23/2014	<4.9	<24	<0.50	<0.12	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
SB-3	6.0 - 6.5	1/23/2014	<5.0	<25	<0.50	<0.13	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051
SB-4	0.5 - 1.0	1/24/2014	**70 SG,HD**	**380 SG,HD**	<0.50	<0.12	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
SB-4	7.0 - 7.5	1/24/2014	<5.0	<25	<0.50	<0.12	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
SB-5	0.5 - 1.0	1/23/2014	**390 HD,SG**	**680 HD,SG**	<0.50	<0.13	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052
SB-5	6.5 - 7.0	1/23/2014	<4.9 SG	<24 SG	<0.50	<0.12	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
SB-6	0.5 - 1.0	1/23/2014	**15 HD,SG**	**34 HD,SG**	<0.50	<0.13	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052
SB-6	7.0 - 7.5	1/23/2014	<4.9 SG	<24 SG	<0.50	<0.12	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
SB-7	0.5 - 1.0	1/24/2014	**22 SG,HD**	**58 SG,HD**	<0.50	<0.13	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.052	**0.006**	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052
SB-7	7.0 - 7.5	1/24/2014	<5.0	<25	<0.50	<0.13	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.051	<0.0052	<0.0051	<0.0052	<0.0051	<0.0052	<0.0051	<0.0052	<0.0051	<0.0052	<0.0052	<0.0052	<0.0051
SB-8	0.5 - 1.0	1/23/2014	**9,900 HD,SG**	**10,000 HD,SG**	**1.6 HD**	<0.12	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
SB-8	6.0 - 6.5	1/23/2014	<5.0 SG	<25 SG	<0.50	<0.13	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052
SB-9	2.5 - 3.0	1/23/2014	**13 HD,SG**	<25 SG	**2.5 HD**	<0.13	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	**0.0082**	<0.005	<0.005	<0.005
SB-9	6.0 - 6.5	1/23/2014	**560 HD,SG**	**67 HD,SG**	**1,600**	<25	**1.1**	<1	**21**	**1.5**	<1	<1	**24**	<1	<1	**2.5**	<1	**1**	<10	**8.8**	<1	**36**	**17**	**5.5**	<1
SB-9	11.5 - 12.0	1/23/2014	<5.0 SG	<25 SG	**66**	<13	**3.1**	**3.5**	**1.9**	**6.8**	**2.1**	<0.51	<5.1	<0.51	<0.51	**2.8**	<0.51	**0.85**	<5.1	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51
SB-10	0.5 - 1.0	1/24/2014	<5.0	<25	<0.50	<130	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051
SB-10	6.0 - 6.5	1/24/2014	<5.0	<25	<0.50	<130	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052
April 2016 Event																									
SB-14	0.5-1.0	4/7/2016	**250 Y**	**280**	**0.11 J**	**0.0077 J**	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0093	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046
SB-14	3.5-4.0	4/7/2016	**0.55 J**	<5.0	**0.11 J**	**0.043**	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	**0.0072 J**	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048
SB-14	7.5-8.0	4/7/2016	**0.93 J**	<5.0	**0.096 J**	**0.016 J b**	<0.0046	<0.0046	<0.0046	**0.0011 J**	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	**0.0019 J**	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046
SB-14	11.5-12.0	4/7/2016	<1.0	<5.0	**0.088 J**	<0.020	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0098	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049
SB-15	0.5-1.0	4/7/2016	**180 Y**	**360**	**0.080 J**	<0.019	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0096	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048
SB-15	3.5-4.0	4/7/2016	**0.52 J**	**2.1 J**	**0.11 J**	**0.053**	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	**0.011**	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049
SB-15	7.5-8.0	4/7/2016	**0.46 J**	<5.0	**0.075 J**	**0.018 J**	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	**0.002 J**	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049
SB-15	11.5-12.0	4/7/2016	<1.0	<5.0	**0.12 J**	**0.0046 J**	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0098	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049
SB-16	0.5-1.0	4/7/2016	**340 Y**	**580**	**0.12 J**	<0.019	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0095	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048
SB-16	3.5-4.0	4/7/2016	**0.85 J**	<5.0	**0.12 J**	**0.041**	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	**0.0079 J**	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049
SB-16	7.5-8.0	4/7/2016	**0.37 J**	<5.0	**0.089 J**	**0.024**	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	**0.0026 J**	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047
SB-16	11.5-12.0	4/7/2016	**3.2 Y**	<5.0	**0.085 J**	<0.020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
SB-18	0.5-1.0	4/8/2016	**58 Y**	**340**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-18	3.5-4.0	4/8/2016	**0.81 J**	**15**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-19	0.5-1.0	4/6/2016	**930 Y**	**180**	**2,900 Y**	**0.04 J**	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	**0.0063 J**	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024
SB-19	3.5-4.0	4/6/2016	**98 Y**	**30**	**900 Y**	**0.1 J**	<0.050	<0.050	**0.0077 J**	**0.041 J**	**0.0096 J**	<0.050	**0.840**	<0.050	<0.050	**1.1**	<0.050	**0.2**	**0.016 J**	**0.18**	**0.18**	**0.48**	**0.28**	**0.23**	**0.014 J**
SB-19	7.5-8.0	4/6/2016	**4,400 Y**	**260**	**14,000 Y**	<2.0	**0.047 J**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	**6.0**	**3.5**	**14**	**19**	**11**	**0.48 J**
SB-19	11.5-12.0	4/6/2016	**7.9 Y**	<5.0	**5.6 Y**	**0.018 J**	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	**0.0019 J**	<0.0048	<0.0048	<0.0048	<0.0048	**0.0021 J**	<0.0048
SB-20	0.5-1.0	4/11/2016	**42 Y**	**250**	**1.9 Y**	**0.011 J b**	<0.0045	<0.0045	**0.0017 J**	**0.0098**	**0.0022 J**	<0.0045	<0.0045	<0.0045	<0.0045	**0.0018 J**	<0.0045	**0.0011 J**	**0.0023 J**	**0.0027 J**	<0.0045	**0.0025 J**	<0.0045	<0.0045	<0.0045
SB-20	3.5-4.0	4/11/2016	**29 Y**	**6.5**	**36 Y**	**0.095**	<0.0045	**0.0005 J**	**0.0007 J**	**0.0018 J**	**0.0004 J**	**0.0007 J**	**0.0015 J**	<0.0045	**0.0008 J**	<0.0045	**0.0056**	<0.0045	**0.011**	**0.032**	<0.0045	**0.13**	**0.066**	**0.013**	**0.0016 J**
SB-20	7.5-8.0	4/11/2016	**0.72 J**	<5.0	**0.17 J**	**0.018 J b**	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	**0.0035 J**	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	**0.0033 J**	**0.0005 J**	<0.0047	**0.0024 J**	**0.0020 J**	<0.0047	<0.0047
SB-20	11.5-12.0	4/11/2016	**1.8 Y**	**<5.0**	**0.12 J**	**0.0048 J b**	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	**0.0022 J**	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0098	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049
SB-22	0.5-1.0	4/6/2016	**27 Y**	**59**	**0.096 J**	<0.019	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0097	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048
SB-22	3.5-4.0	4/6/2016	**1.3 Y**	**4.5 J**	**0.010 J**	<0.018	<0.0044	<0.0044	<0.0044	<0.0044	<0.0044	<0.0044	<0.0044	<0.0044	<0.0044	<0.0044	<0.0044	<0.0044	<0.0088	<0.0044	<0.0044	<0.0044	<0.0044	<0.0044	<0.0044
SB-22	7.0-7.5	4/6/2016	**19 Y**	**22**	**0.010 J**	<0.020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
SB-22	11.5-12.0	4/6/2016	<1.0	<5.0	**0.011 J**	<0.019	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0096	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048
SB-23	0.5-1.0	4/7/2016	**62 Y**	**440**	**0.10 J**	<0.019	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0094	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047
SB-23	3.5-4.0	4/7/2016	**0.41 J**	**4.9 J**	**0.10 J**	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0096	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048
SB-23	7.5-8.0	4/7/2016	<1.0	<5.0	**0.12 J**	<0.019	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0097	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048
SB-23	11.5-12.0	4/7/2016	<1.0	<5.0	**0.11 J**	**0.0048 Jb**	<0.0048	<0.0048	<0.0048	**0.0010 J**	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0096	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048
SB-25	0.5-1.0	4/7/2016	**1,700 Y**	**3,400**	**40 Y**	**0.033**	**0.0085**	<0.0050	**0.0040 J**	**0.0056**	**0.0044 J**	<0.0050	**0.0020 J**	<0.0050	<0.0050	**0.051**	<0.0050	**0.010**	**0.0045 J**	**0.0026 J**	**0.0093**	**0.0032 J**	**0.0056**	**0.0054**	<0.0050
SB-25	3.5-4.0	4/7/2016	**40 Y**	**5.3**	**180 JY**	**0.110 J b**	<0.047	<0.047	**0.0044 J**	**0.015 J**	<0.047	<0.047	**0.210**	<0.047	<0.047	**0.096**	<0.047	**0.019 J**	**0.019 J**	**0.022 J**	**0.024 J**	**0.084**	**0.150**	**0.075**	**0.0045 J**
SB-25	7.5-8.0	4/7/2016	**2,500 Y**	**280**	**20,000**	<10	**46**	**80**	**250**	**830**	**230**	<2.5	**80**	<2.5	<2.5	**540**	<2.5	**180**	<5.0	**26**	**8**	**92**	**47**	**12**	**0.390 J**
SB-25	11.5-12.0	4/7/2016	**410 Y**	**48 J**	**2,500**	<25	**13**	**170**	**55**	**220**	**88**	<6.3	**18**	<6.3	<6.3	**120**	<6.3	**37**	<13	**4.6 J**	**1.5 J**	**19**	**10**	**2.1 J**	<6.3
SB-26	0.5-1.0	4/6/2016	**6.7 Y**	**20**	**0.099 J**	<0.019	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0097	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048
SB-26	3.5-4.0	4/6/2016	**1.7 Y**	**7.0**	**0.080 J**	<0.019	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0098	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048
SB-26	7.5-8.0	4/6/2016	**0.77 J**	<5.0	**0.12 J**	<0.020	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0099	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049
SB-26	11.5-12.0	4/6/2016	<1.0	**3.4 J**	**0.096 J**	<0.019	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0096	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048
		Tier-1 ESLs	*230*	*5,100*	*100*	*0.5*	*0.044*	*2.9*	*1.4*	*2.3*	*2.3*	*0.023*	*0.033*	*0.42*	*0.07*	---	---	---	*2.8*	---	---		---	---	---

Sample ID Location	Sample Depth (ft bgs)	Date Sampled	TPH-d*	TPH-mo*	TPH-g*	Acetone	Benzene	Toluene	Ethylbenzene	m,p-Xylenes	o-Xylene	MTBE	Naphthalene	Tetrachloroethene	1,1,2-Trichloroethane	1,2,4-Trimethylbenzene	1,2,3-Trichloropropane	1,3,5--Trimethylbenzene	2-Butanone	Isopropylbenzene	para-Isopropyl Toluene	Propylbenzene	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene
		Tier-1 ESLs	*230*	*5,100*	*100*	*0.5*	*0.044*	*2.9*	*1.4*	*2.3*	*2.3*	*0.023*	*0.033*	*0.42*	*0.07*	---	---	---	*2.8*	---	---	---	---	---	---
		Applicable ESLs	*1,100*	*5,100*	*500*	*0.5*	*0.044*	*2.9*	*1.4*	*2.3*	*2.3*	*0.023*	*0.033*	*0.42*	*0.07*	---	---	---	*2.8*	---	---		---	---	---
		Applicable ESLs	*1,100*	*5,100*	*500*	*0.5*	*0.044*	*2.9*	*1.4*	*2.3*	*2.3*	*0.023*	*0.033*	*0.42*	*0.07*	---	---	---	*2.8*	---	---		---	---	---

Legend:

ft bgs = feet below ground surface

TPH-d = Total Petroleum Hydrocarbons as Diesel

TPH-mo = Total Petroleum Hydrocarbons as Motor Oil

TPH-g = Total Petroleum Hydrocarbons as Gasoline

C/I = Commercial/Industrial

ESL = Environmental Screening Level

--- = No screening level established

SB-# = Soil Boring Location

< = Analyte not detected at or above the stated laboratory reporting limit

NA = Not analyzed

Qualifiers:

HD - The chromatographic pattern was inconsistent with the profile of the reference fuel standard.

SG - The sample extract was subjected to Silica Gel treatment prior to analysis.

Notes:

All concentrations reported in milligrams per kilogram (mg/kg).

* = Samples were analyzed by United States Environmental Protection Agency (USEPA) Method 8015B Modified (M) with silica gel cleanup.

Samples were analyzed by USEPA Method 8260B.

Tier-1 ESL = Tier 1 Environmental Screening Level for Shallow Soils, San Francisco Bay Regional Water Quality Control Board, ESL Workbook, Tier-1 ESL Table, February 2016.

Applicable ESL = Appropriate ESL based on current and future site use as a Commercial/Industrial site using the Soil Summary Table from the San Francisco Bay Regional Water Quality Control Board ESL Workbook, February 2016.

Bold values indicate detections at or above the laboratory reporting limit.

Values shaded gray indicate concentrations detected above the Applicable ESLs.

Table 3
Semivolatile Organic Compounds in Soil
Site Characterization Technical Memorandum
205 Brush Street
Oakland, California

Sample ID Location	Sample Depth (ft bgs)	Date Sampled	Acenaphthene	Acenaphthylene	Anthracene	Benzo (a) Anthracene	Benzo (a) Pyrene	Benzo (b) Fluoranthene	Benzo (g,h,i) Perylene	Benzo (k) Fluoranthene	bis (2-Ethylhexyl) phthalate	Chrysene	Dibenzofuran	Fluoranthene	Fluorene	Indeno (1,2,3-c,d) Pyrene	2-Methylnaphthalene	1-Methylnaphthalene	Naphthalene	Phenanthrene	Pyrene
		Tier-1 ESLs	*16*	*13*	*2.8*	*0.16*	*0.016*	*0.16*	*2.5*	*1.6*	*39*	*3.8*	*---*	*60*	*8.9*	*0.16*	*0.25*	*---*	*0.033*	*11*	*85*
		Applicable Soil ESLs	*16*	*13*	*2.8*	*2.9*	*0.29*	*2.9*	*2.5*	*29*	*160*	*3.8*	*---*	*60*	*8.9*	*2.9*	*0.25*	*---*	*0.033*	*11*	*85*
January 2014 Event																					
SB-2	1.5 - 2.0	1/23/2014	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
SB-2	8.5 - 9.0	1/23/2014	**1.7**	<0.50	**3.6**	**5.6**	**3.0**	**2.2**	**0.79**	**2.9**	<0.50	**4.7**	**0.92**	**12**	**1.9**	**0.94**	**7.3**	**3.9**	**8.4**	**13**	**13**
SB-2	14.0 - 14.5	1/23/2014	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
SB-3	0.5 - 1.0	1/23/2014	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
SB-3	6.0 - 6.5	1/23/2014	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
SB-4	0.5 - 1.0	1/24/2014	<0.99	<0.99	<0.99	<0.99	<0.99	<0.99	<0.99	<0.99	<0.99	<0.99	<0.99	**1.4**	<0.99	<0.99	<0.99	<0.99	<0.99	<0.99	**1.4**
SB-4	7.0 - 7.5	1/24/2014	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
SB-5	0.5 - 1.0	1/23/2014	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
SB-5	6.5 - 7.0	1/23/2014	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
SB-6	0.5 - 1.0	1/23/2014	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
SB-6	7.0 - 7.5	1/23/2014	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
SB-7	0.5 - 1.0	1/24/2014	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
SB-7	7.0 - 7.5	1/24/2014	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
SB-8	0.5 - 1.0	1/23/2014	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
SB-8	6.0 - 6.5	1/23/2014	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
SB-9	2.5 - 3.0	1/23/2014	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
SB-9	6.0 - 6.5	1/23/2014	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**22**	**12**	**18**	<5.0	<5.0
SB-9	11.5 - 12.0	1/23/2014	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
SB-10	0.5 - 1.0	1/24/2014	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
SB-10	6.0 - 6.5	1/24/2014	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
April 2016 Event																					
SB-14	0.5-1.0	4/7/2016	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3	<17	<3.3	<17	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3
SB-14	3.5-4.0	4/7/2016	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066	<0.33	<0.066	<0.33	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066
SB-14	7.5-8.0	4/7/2016	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067	<0.33	<0.067	<0.33	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067
SB-14	11.5-12.0	4/7/2016	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066	<0.33	<0.066	<0.33	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066
SB-15	0.5-1.0	4/7/2016	<0.33	<0.33	<0.33	**0.079 J**	**0.11 J**	**0.14 J**	**0.15 J**	**0.049 J**	<1.7	**0.11 J**	<1.7	**0.10 J**	<0.33	**0.11 J**	<0.33	<0.33	<0.33	**0.055 J**	**0.12 J**
SB-15	3.5-4.0	4/7/2016	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066	<0.33	<0.066	<0.33	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066
SB-15	7.5-8.0	4/7/2016	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067	<0.33	<0.067	<0.33	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067
SB-15	11.5-12.0	4/7/2016	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066	<0.33	<0.066	<0.33	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066
SB-16	0.5-1.0	4/7/2016	<3.3	<3.3	<3.3	**0.79 J**	**0.97 J**	**0.97 J**	**1.3 J**	**0.62 J**	<17	**0.78 J**	<17	**1.4 J**	<3.3	**0.89 J**	<3.3	<3.3	<3.3	**0.81 J**	**1.3 J**
SB-16	3.5-4.0	4/7/2016	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067	<0.33	<0.067	<0.33	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067
SB-16	7.5-8.0	4/7/2016	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066	<0.33	<0.066	<0.33	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066
SB-16	11.5-12.0	4/7/2016	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067	<0.34	<0.067	<0.34	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067
SB-19	0.5-1.0	4/6/2016	<1.4	<6.8	<1.4	**0.28 J**	**0.32 J**	**0.42 J**	**0.44 J**	<1.4	<6.8	**0.35 J**	<6.8	**0.71 J**	**0.36 J**	<1.4	<1.4	<1.4	**0.75 J**	**0.98 J**	**0.82 J**
SB-19	3.5-4.0	4/6/2016	<0.13	**0.028 J**	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	**0.028 J**	<0.13	<0.66	**0.023 J**	<0.13	<0.13	**0.057 J**	**0.028 J**	**1.3**	<0.13	**0.03 J**
SB-19	7.5-8.0	4/6/2016	<6.7	<33	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<33	<6.7	<33	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7
SB-19	11.5-12.0	4/6/2016	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066	**0.029 J**	<0.066	<33	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066
SB-20	0.5-1.0	4/11/2016	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<6.7	<1.3	<6.7	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3
SB-20	3.5-4.0	4/11/2016	**0.030 J**	<0.068	<0.68	<0.068	<0.068	<0.068	<0.068	<0.068	<0.340	<0.068	**0.010 J**	<0.068	**0.023 J**	<0.068	**2.4**	**1.1**	<0.068	<0.068	<0.068
SB-20	7.5-8.0	4/11/2016	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067	<0.330	<0.067	<0.330	**0.026 J**	<0.067	<0.067	**0.018 J**	<0.067	<0.067	**0.015 J**	**0.020 J**
SB-20	11.5-12.0	4/11/2016	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067	<0.340	<0.067	<0.340	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067
SB-22	0.5-1.0	4/6/2016	<0.067	**0.028 J**	**0.060 J**	**0.11**	**0.14**	**0.39**	**0.41**	**0.089**	**0.026 J**	**0.24**	<0.34	**0.32**	<0.067	**0.30**	<0.067	<0.067	<0.067	**0.074**	**0.33**
SB-22	3.5-4.0	4/6/2016	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067	**0.020 J**	<0.067	<0.34	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067
SB-22	7.0-7.5	4/6/2016	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066	**0.016 J**	<0.067	<0.33	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066
SB-22	11.5-12.0	4/6/2016	<0.068	<0.068	<0.068	<0.068	<0.068	<0.068	<0.068	<0.068	**0.026 J**	<0.068	<0.34	<0.068	<0.068	<0.068	<0.068	<0.068	<0.068	<0.068	<0.068
SB-25	0.5-1.0	4/7/2016	<3.4	**0.91 J**	<3.4	**4.1**	**8.7**	**12**	**7.6**	**3.9**	<17	**5.9**	<17	**11**	<3.4	**6.0**	<3.4	<3.4	**1.5 J**	**4.4**	**14**
SB-25	3.5-4.0	4/7/2016	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067	<0.34	<0.067	<0.34	<0.067	<0.067	<0.067	**0.018 J**	<0.067	**0.37**	<0.067	<0.067
SB-25	7.5-8.0	4/7/2016	**3.2 J**	<10	**7.4 J**	**12**	**7.1 J**	**8.0 J**	**2.0 J**	**4.3 J**	<50	**11**	**1.7 J**	**29**	**3.1 J**	**2.1 J**	**33**	**18**	**43**	**29**	**25**
SB-25	11.5-12.0	4/7/2016	**1.1 J**	<1.3	**2.8**	**4.6**	**2.8**	**3.3**	**0.78 J**	**1.2 J**	<6.7	**4.2**	**0.67 J**	**10**	**1.3 J**	**0.82 J**	**11**	**6.1**	**12**	**9.8**	**8.7**
SB-26	0.5-1.0	4/6/2016	<0.067	<0.34	<0.067	**0.016 J**	**0.021 J**	**0.028 J**	**0.021 J**	<0.067	<0.34	**0.024 J**	<0.34	**0.031 J**	<0.067	**0.018 J**	<0.067	<0.067	<0.067	**0.017 J**	**0.036 J**
SB-26	3.5-4.0	4/6/2016	<0.067	<0.33	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067	<0.33	<0.067	<0.33	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067
SB-26	7.5-8.0	4/6/2016	<0.067	<0.34	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067	<0.34	<0.067	<0.34	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067
SB-26	11.5-12.0	4/6/2016	<0.066	<0.33	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066	<0.33	<0.066	<0.33	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066
		Tier-1 ESLs	*16*	*13*	*2.8*	*0.16*	*0.016*	*0.16*	*2.5*	*1.6*	*39*	*3.8*	*---*	*60*	*8.9*	*0.16*	*0.25*	*---*	*0.033*	*11*	*85*
		Applicable ESLs	*16*	*13*	*2.8*	*2.9*	*0.29*	*2.9*	*2.5*	*29*	*160*	*3.8*	*---*	*60*	*8.9*	*2.9*	*0.25*	*---*	*0.033*	*11*	*85*

Legend:
ft bgs = feet below ground surface
C/I = Commercial/Industrial
ESL = Environmental Screening Level
--- = No screening level established
SB-# = Soil Boring Location
< = Analyte not detected at or above the stated laboratory reporting limit
J = Lab Qualifier - Estimated Value

Notes:
All concentrations reported in milligrams per kilogram (mg/kg).
Samples were analyzed by United States Environmental Protection Agency (USEPA) Method 8270C.
Tier-1 ESL = Tier 1 Environmental Screening Level for Shallow Soils, San Francisco Bay Regional Water Quality Control Board, ESL Workbook, Tier-1 ESL Table, February 2016.
Applicable ESL = Appropriate ESL based on current and future site use as a Commercial/Industrial site using the Soil Summary Table from the San Francisco Bay Regional Water Quality Control Board ESL Workbook, February 2016.
Bold values indicate detections at or above the laboratory reporting limit.
Values shaded gray indicate concentrations detected above the Applicable ESLs.

Table 4
Total Metals in Soil
Site Characterization Technical Memorandum
205 Brush Street
Oakland, California

Sample ID Location	Sample Depth (ft bgs)	Date Sampled	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	Mercury
		Tier-1 ESLs	*31*	*0.067*	*3,000*	*42*	*39*	*120,000*	*23*	*3,100*	*80*	*390*	*86*	*390*	*390*	*0.78*	*390*	*23,000*	*13*
		Applicable ESLs	*470*	*0.31*	*220,000*	*2,200*	*580*	*1,800,000*	*350*	*47,000*	*320*	*5,800*	*11,000*	*5,800*	*5,800*	*12*	*5,800*	*350,000*	*190*
January 2014 Event																			
SB-2	1.5 - 2.0	1/23/2014	<0.765	3.43	120	0.312	0.661	22.9	5.99	55.8	312	0.400	23.1	<0.765	<0.255	<0.765	20.0	339	4.50
SB-2	8.5 - 9.0	1/23/2014	<0.732	0.775	59.7	<0.244	<0.488	43.6	7.06	8.47	2.48	<0.244	33.5	<0.732	<0.244	<0.732	27.1	22.2	<0.0845
SB-2	14.0 - 14.5	1/23/2014	<0.773	2.47	63.8	<0.258	<0.515	39.3	7.95	8.90	1.94	<0.258	33.1	<0.773	<0.258	<0.773	27.6	21.2	<0.0820
SB-3	0.5 - 1.0	1/23/2014	<0.769	1.77	61.2	<0.256	<0.513	5.68	5.33	25.8	5.15	<0.256	6.79	<0.769	<0.256	<0.769	19.6	66.0	0.134
SB-3	6.0 - 6.5	1/23/2014	<0.773	0.921	46.4	<0.258	<0.515	28.3	2.45	9.34	2.16	<0.258	13.9	<0.773	<0.258	<0.773	17.5	20.1	<0.0805
SB-4	0.5 - 1.0	1/24/2014	1.16	13.3	309	0.522	4.98	36.2	9.65	385	1,670	<0.251	43.1	<0.754	<0.251	<0.754	23.8	2,080	1.55
SB-4	7.0 - 7.5	1/24/2014	<0.765	1.48	54.7	<0.255	<0.510	34.1	7.08	16.8	25.6	<0.255	24.9	<0.765	<0.255	<0.765	23.6	37.5	<0.0835
SB-5	0.5 - 1.0	1/23/2014	33.5	15.3	921	0.267	4.89	50.9	13.6	1,840	4,760	50.1	73.9	<0.773	0.448	<0.773	28.5	3,420	7.14
SB-5	6.5 - 7.0	1/23/2014	<0.758	2.03	58.0	<0.253	<0.505	36.1	9.11	10.3	5.17	0.361	28.1	<0.758	<0.253	<0.758	27.7	20.5	<0.0805
SB-6	0.5 - 1.0	1/23/2014	<0.758	4.69	87.1	<0.253	0.657	30.7	4.34	37.3	249	1.10	22.3	<0.758	<0.253	<0.253	21.1	447	0.876
SB-6	7.0 - 7.5	1/23/2014	<0.725	1.37	42.8	<0.242	<0.483	37.3	3.52	6.15	1.77	0.607	22.6	<0.725	<0.242	<0.725	23.1	15.5	<0.0835
SB-7	0.5 - 1.0	1/24/2014	4.88	8.3	99.4	0.265	1.59	42	3.79	1,100	1,340	<0.250	21.7	<0.750	<0.250	<0.750	27	515	3.34
SB-7	7.0 - 7.5	1/24/2014	<0.735	1.98	55.4	0.294	<0.490	42.7	7.28	14.8	13.7	<0.245	31.6	<0.735	<0.245	<0.735	28.8	29.1	<0.0835
SB-8	0.5 - 1.0	1/23/2014	12.0	12.7	513	<0.244	7.19	44.9	8.09	3,890	2,380	6.22	47.2	<0.732	1.31	<0.732	26.4	2,800	8.10
SB-8	6.0 - 6.5	1/23/2014	<0.735	1.45	57.9	<0.245	<0.490	32.1	11.0	11.1	3.88	<0.245	27.0	<0.735	<0.245	<0.735	25.4	20.6	<0.0835
SB-9	2.5 - 3.0	1/23/2014	<0.743	5.23	219	<0.248	0.518	35.3	7.16	130	287	15.3	44.4	<0.743	0.776	<0.743	31.3	256	<0.0875
SB-9	6.0 - 6.5	1/23/2014	<0.714	1.25	51.0	<0.238	<0.476	31.3	5.53	7.99	2.53	<0.238	22.2	<0.714	<0.238	<0.714	20.3	17.3	<0.0835
SB-9	11.5 - 12.0	1/23/2014	<0.754	1.03	74.7	0.273	<0.503	73.4	7.54	11.8	2.62	<0.251	44.9	<0.754	<0.251	<0.754	36.1	24.8	<0.0845
SB-10	0.5 - 1.0	1/24/2014	<0.718	2.51	125	0.317	<0.478	7.95	7.3	29.1	5.37	<0.239	8.61	<0.718	<0.239	<0.718	26.6	86.1	0.139
SB-10	6.0 - 6.5	1/24/2014	<0.758	<0.758	28.5	<0.253	<0.505	29.4	1.9	11.1	1.32	<0.253	9.56	<0.758	<0.253	<0.758	18.4	11.6	<0.0845
April 2016 Event																			
SB-11	0.5-1.0	4/8/2016	3.1	5.7	210	0.22	3.1	91	6.1	210	890	0.75	28	0.26 J	0.33 J	<0.54	29	910	2.2
SB-11	3.5-4.0	4/8/2016	0.55	1.4	57	0.16	0.36	29	3.4	10	10	0.21 J	16	<0.53	0.23 J	<0.53	19	55	0.079
SB-12	0.5-1.0	4/8/2016	3.6	5.2	300	0.27	3.3	42	6.9	780	510	1.9	26	<0.52	0.43 J	<0.52	27	730	3.6
SB-12	3.5-4.0	4/8/2016	0.28 J	1.1	69	0.17	0.33	25	3.4	6.8	2.5	0.22 J	16	<0.52	0.13 J	<0.52	18	28	0.031
SB-14	0.5-1.0	4/7/2016	3.8	3.4	200	0.46	2.5	27	18	330	470	0.71	46	<0.48	0.47 J	<0.48	31	580	0.94
SB-14	3.5-4.0	4/7/2016	0.5	0.88	42	0.16	0.29	26	3.2	4.3	1.5	0.10 J	13	<0.46	0.10 J	0.24 J	18	13	0.0081 J
SB-15	0.5-1.0	4/7/2016	1.1	2.6	130	0.62	0.68	15	8.0	22	33	0.23	16	<0.54	0.12 J	<0.54	26	83	0.55
SB-15	3.5-4.0	4/7/2016	0.66	1.7	49	0.15	0.28	25	3.5	4.9	3.5	0.080 J	12	<0.55	<0.27	0.20 J	18	13	0.020
SB-16	0.5-1.0	4/7/2016	4.7	4.7	210	0.61	1.9	20	7.8	440	640	0.46	21	<0.54	0.44 J	<0.54	26	890	7.5
SB-16	3.5-4.0	4/7/2016	0.59	0.84	50	0.17	0.3	26	3.5	4.0	1.4	0.14 J	14	<0.49	0.11 J	0.22 J	19	14	0.014 J
SB-17	0.5-1.0	4/8/2016	0.55	1.7	69	0.30	0.60	51	7.5	8.7	5.1	0.32	38	0.17 J	0.14 J	0.26 J	32	26	0.035
SB-17	3.5-4.0	4/8/2016	0.44 J	0.98	78	0.17	0.33	25	3.8	5.7	3.0	0.20 J	17	0.18 J	0.11 J	<0.51	18	21	0.029
SB-18	0.5-1.0	4/8/2016	13	16	220	0.26	3.2	30	5.6	840	1,500	0.59	27	0.74	0.94 J	2.8	28	1,900	1.7
SB-18	3.5-4.0	4/8/2016	0.60	1.3	47	0.17	0.31	25	3.7	6.2	3.4	0.21 J	15	0.40 J	0.19 J	<0.54	18	20	0.024
SB-19	0.5-1.0	4/6/2016	1.7	11	310	0.21	0.76	28	5.4	56	1,900	0.15 J	20	<0.48	<0.24	0.41 J	26	190	0.20
SB-19	3.5-4.0	4/6/2016	<0.49	0.82	67	0.17	0.018 J	25	3.4	5.9	2.3	0.082 J	15	<0.49	<0.24	0.23 J	20	16	0.017
SB-22	0.5-1.0	4/6/2016	1.5	4.3	110	0.22	0.31	32	5.7	33	260	0.10 J	23	<0.50	<0.25	<0.50	27	170	0.12
SB-22	3.5-4.0	4/6/2016	0.54	1.2	77	0.17	0.048 J	26	4.9	11	3.1	0.071 J	17	0.21 J	<0.25	<0.50	19	22	0.047
SB-22	7.0-7.5	4/6/2016	0.79	3.6	59	0.20	0.051 J	34	7.0	11	4.0	<0.23	24	0.30 J	<0.23	<0.46	31	32	0.063
SB-22	11.5-12.0	4/6/2016	1.8	0.83	63	0.24	0.16 J	56	5.3	8.7	3.1	<0.24	30	<0.48	<0.24	<0.48	28	43	0.024
SB-23	0.5-1.0	4/7/2016	8.0	15	360	0.27	6.1	26	7.5	280	2,300	0.85	32	7.8	0.76	<0.47	30	2,400	NA
SB-23	3.5-4.0	4/7/2016	0.54	1.3	65	0.17	0.35	27	3.6	5.5	2.4	0.21 J	15	1.7	0.047 J	<0.52	20	18	NA
SB-24	0.5-1.0	4/8/2016	1.3	25	160	0.20	0.83	33	2.9	200	310	0.36	12	<0.52	0.24 J	0.15 J	20	130	17
SB-24	3.5-4.0	4/8/2016	0.46 J	1.0	65	0.17	0.51	25	2.8	14	2.6	0.20 J	12	0.31 J	<0.26	<0.53	18	27	0.044
		Tier-1 ESLs	*31*	*0.067*	*3,000*	*42*	*39*	*120,000*	*23*	*3,100*	*80*	*390*	*820*	*390*	*390*	*0.78*	*390*	*23,000*	*13*
		Applicable ESLs	*470*	*0.31*	*220,000*	*2,200*	*580*	*1,800,000*	*350*	*47,000*	*320*	*5,800*	*11,000*	*5,800*	*5,800*	*12*	*5,800*	*350,000*	*190*

Legend:
ft bgs = feet below ground surface
C/I = Commercial/Industrial
ESL = Environmental Screening Level
SB-# = Soil Boring Location
< = Analyte not detected at or above the stated laboratory reporting limit
J = Lab Qualifier - Estimated Value

Notes:
All concentrations reported in milligrams per kilogram (mg/kg).
Samples were analyzed by United States Environmental Protection Agency (USEPA) Method 6010/7000 series.
Tier-1 ESL = Tier 1 Environmental Screening Level for Shallow Soils, San Francisco Bay Regional Water Quality Control Board, ESL Workbook, Tier-1 ESL Table, February 2016.
Applicable ESL = Appropriate ESL based on current and future site use as a Commercial/Industrial site using the Soil Summary Table from the San Francisco Bay Regional Water Quality Control Board ESL Workbook, February 2016.
Bold values indicate detections at or above the laboratory reporting limit.
Values shaded gray indicate concentrations detected above the Applicable ESLs.

Table 5
Organochlorine Pesticides in Soil
Site Characterization Technical Memorandum
205 Brush Street
Oakland, California

Sample ID Location	Sample Depth (ft bgs)	Date Sampled	Chlordane	4,4'-DDD	4,4'-DDE	4,4'-DDT	Dieldrin	Endosulfan I	Endrin	Endrin Aldehyde	Gamma-Chlordane	Heptachlor Epoxide
		Tier 1 ESLs	*0.48*	*2.7*	*1.9*	*1.9*	*0.00017*	*0.0046*	*0.00065*	---	---	*0.00042*
		Applicable ESLs	*2.2*	*12.0*	*8.5*	*8.5*	*0.00017*	*0.0046*	*0.00065*	---	---	*0.00042*
January 2014 Event												
SB-2	1.5 - 2.0	1/23/2014	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	NA	<0.005
SB-3	0.5 - 1.0	1/23/2014	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	NA	<0.005
SB-4	0.5 - 1.0	1/24/2014	<0.05	**0.026**	<0.005	**0.028**	<0.005	<0.005	<0.005	<0.005	NA	<0.005
SB-5	0.5 - 1.0	1/23/2014	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	NA	**0.23**
SB-5	6.5 - 7.0	1/23/2014	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	NA	<0.005
SB-6	0.5 - 1.0	1/23/2014	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	NA	<0.005
SB-7	0.5 - 1.0	1/24/2014	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	NA	<0.005
SB-8	0.5 - 1.0	1/23/2014	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	NA	**0.07**
SB-8	6.0 - 6.5	1/23/2014	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	NA	<0.005
SB-9	2.5 - 3.0	1/23/2014	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	NA	<0.005
SB-10	0.5 - 1.0	1/24/2014	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	NA	<0.005
April 2016 Event												
SB-14	0.5-1.0	4/7/2016	**0.072 CJ**	<0.033	**0.042 C**	<0.033	**0.018 C**	<0.017	**0.022 J**	<0.033 #	<0.017	<0.017
SB-14	3.5-4.0	4/7/2016	<0.0017	<0.0033	<0.0033	<0.0033	<0.0017	<0.0017	<0.0033	<0.0033 #	<0.0017	<0.0017
SB-15	0.5-1.0	4/7/2016	<0.0017	<0.0033	**0.0028 J**	**0.011**	<0.0017	<0.0017	**0.0012 J**	<0.0033 #	**0.0034**	<0.0017
SB-15	3.5-4.0	4/7/2016	<0.0017	<0.0033	<0.0033	<0.0033	<0.0017	<0.0017 #	<0.0033	<0.0033 #	<0.0017 #	<0.0017
SB-16	0.5-1.0	4/7/2016	**0.012 J**	<0.034	**0.30**	<0.034	**0.055 C**	**0.029 C**	**0.063 C**	**0.13 C #**	**0.13 C #**	**0.056 C**
SB-16	3.5-4.0	4/7/2016	<0.0017	<0.0033	<0.0033	<0.0033	<0.0017	<0.0017	<0.0033	<0.0033 #	<0.0017 #	<0.0017
SB-18	0.5-1.0	4/8/2016	<0.034	<0.067	<0.067	**0.023**	<0.034	**0.0055 CJ**	<0.067	<0.067	<0.034	<0.034
SB-18	3.5-4.0	4/8/2016	<0.0017	<0.0033	<0.0033	<0.0033	<0.0017	<0.0017	<0.0033	<0.0033	<0.0017	<0.0017
		Tier 1 ESLs	*0.48*	*2.7*	*1.9*	*1.9*	*0.00017*	*0.0046*	*0.00065*	---	---	*0.00042*
		Applicable ESLs	*2.2*	*12.0*	*8.5*	*8.5*	*0.00017*	*0.0046*	*0.00065*	---	---	*0.00042*

Legend:
ft bgs = feet below ground surface
DDD = Dichlorodiphenyldichloroethane
DDE = Dichlorodiphenyldichloroethylene
DDT = Dichlorodiphenyltrichloroethane
ESL = Environmental Screening Level
--- = No screening level established
SB-# = Soil Boring Location
< = Analyte not detected at or above the stated laboratory reporting limit
NA = Not analyzed
C = Lab qualifier. Presence confirmed, but RPD between columns exceeds 40%.
J = Lab qualifier. Estimated value.
# = CCV drift outside limits: average CCV drift within limits per method requirements

Notes:
All concentrations reported in milligrams per kilogram (mg/kg).
Samples were analyzed by United States Environmental Protection Agency (USEPA) Method 8081A.
Pesticides not listed were not detected above laboratory reporting limits.
Tier-1 ESL = Tier 1 Environmental Screening Level for Shallow Soils, San Francisco Bay Regional Water Quality Control Board, *ESL Workbook*, Tier-1 ESL Table, February 2016.
Applicable ESL = Appropriate ESL based on current and future site use as a Commercial/Industrial site using the Soil Summary Table from the San Francisco Bay Regional Water Quality Control Board *ESL Workbook*, February 2016.
Bold values indicate detections at or above the laboratory reporting limit.
Values shaded gray indicate concentrations detected above the Applicable ESLs.

Table 6
Polychlorinated Biphenyls in Soil
Site Characterization Technical Memorandum
205 Brush Street
Oakland, California

Sample ID Location	Sample Depth (ft bgs)	Date Sampled	Aroclor- 1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260
		Tier 1 ESLs	*0.25*	*0.25*	*0.25*	*0.25*	*0.25*	*0.25*	*0.25*
		Applicable ESLs	*1.0*	*1.0*	*1.0*	*1.0*	*1.0*	*1.0*	*1.0*
January 2014 Event									
SB-2	1.5 - 2.0	1/23/2014	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
SB-3	0.5 - 1.0	1/23/2014	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
SB-4	0.5 - 1.0	1/24/2014	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
SB-5	0.5 - 1.0	1/23/2014	<5	<5	<5	<5	<5	**32**	**8.1**
SB-5	6.5 - 7.0	1/23/2014	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
SB-6	0.5 - 1.0	1/23/2014	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
SB-7	0.5 - 1.0	1/24/2014	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
SB-8	0.5 - 1.0	1/23/2014	<0.5	<0.5	<0.5	<0.5	<0.5	**11**	**3.1**
SB-8	6.0 - 6.5	1/23/2014	<0.5	<0.5	<0.5	<0.5	<0.5	<0.05	<0.05
SB-9	2.5 - 3.0	1/23/2014	<0.05	<0.05	<0.05	<0.05	<0.05	**0.094**	**0.054**
SB-10	0.5 - 1.0	1/24/2014	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
April 2016 Event									
SB-14	0.5-1.0	4/7/2016	<0.160	<0.330	<0.160	<0.160	<0.160	**10**	**0.55**
SB-14	3.5-4.0	4/7/2016	<0.012	<0.024	<0.012	<0.012	<0.012	<0.012	<0.012
SB-15	0.5-1.0	4/7/2016	<0.084	<0.170	<0.084	<0.084	<0.084	**2.4**	**0.3**
SB-15	3.5-4.0	4/7/2016	<0.012	<0.024	<0.012	<0.012	<0.012	<0.012	<0.012
SB-16	0.5-1.0	4/7/2016	<0.420	<0.840	<0.420	<0.420	<0.420	**17**	**2.4**
SB-16	3.5-4.0	4/7/2016	<0.012	<0.024	<0.012	<0.012	<0.012	<0.012	<0.012
SB-18	0.5-1.0	4/8/2016	<0.012	<0.024	<0.012	<0.012	<0.012	**0.1**	**0.04**
SB-18	3.5-4.0	4/8/2016	<0.012	<0.024	<0.012	<0.012	<0.012	<0.012	<0.012
		Tier 1 ESLs	*0.25*	*0.25*	*0.25*	*0.25*	*0.25*	*0.25*	*0.25*
		Applicable ESLs	*1.0*	*1.0*	*1.0*	*1.0*	*1.0*	*1.0*	*1.0*

Legend:

ft bgs = feet below ground surface
C/I = Commercial/Industrial
ESL = Environmental Screening Level
--- = No screening level established
SB-# = Soil Boring Location
< = Analyte not detected at or above the stated laboratory reporting limit
NA = Not analyzed

Notes:

All concentrations reported in milligrams per kilogram (mg/kg).
Samples were analyzed by United States Environmental Protection Agency (USEPA) Method 8082.
PCBs not listed were not detected above laboratory reporting limits.
Tier-1 ESL = Tier 1 Environmental Screening Level for Shallow Soils, San Francisco Bay Regional Water Quality Control Board, ESL Workbook, Tier-1 ESL Table, February 2016.

Applicable ESL = Appropriate ESL based on current and future site use as a Commercial/Industrial site using the Soil Summary Table from the San Francisco Bay Regional Water Quality Control Board *ESL Workbook*, February 2016.

Bold values indicate detections at or above the laboratory reporting limit.

Values shaded light gray indicate concentrations detected above the Applicable ESLs.

Table 7
Total Petroleum Hydrocarbons and Volatile Organic Compounds in Groundwater
Site Characterization Technical Memorandum
205 Brush Street
Oakland, California

Sample ID Location	Sample Interval / Screen Interval (ft bgs)	Date Sampled	TPH-d*	TPH-mo*	TPH-g*	Acetone	Benzene	Carbon Disulfide	Toluene	Ethylbenzene	p/m-Xylenes	o-Xylene	Methyl tert-butyl ether (MTBE)	Naphthalene	Trichloroethene	1,1-Dichloroethane	1,2-Dichloroethane	1,2-Dichlorobenzene	1,2,4-Trimethylbenzene	1,3,5--Trimethylbenzene	2-Butanone	Isopropylbenzene	para-Isopropyl toluene	Propylbenzene	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene
		Tier-1 ESL	*100*	*50,000* [1]	*100*	*1,500*	*1*	---	*40*	*13*	*20*	*20*	*5*	*0.17*	*5*	*5*	*0.5*	*14*	---	---	*5,600*	---	---	---	---	---	---
		ESL Direct Exposure	*150*	*50,000*	*220*	*14,000*	*1*	---	*150*	*30*	*190*	*190*	*13*	*0.17*	*5*	*5*	*0.5*	*100*	---	---	*5,600*	---	---	---	---	---	---
		C/I Groundwater ESLs for Vapor Intrusion	---	---	---	*290,000,000*	*9.7*	---	*30,000*	*110*	*11,000*	*11,000*	*11,000*	*170*	*49*	*180*	*53*	*100,000*	---	---	---	---		---	---	---	---
		MCLs	---	---	---	---	*5*	---	*1,000*	*700*	*10,000*	*10,000*	---	---	*5*	---	*5*	*600*	---	---	---	---	---	---	--	---	---
January 2014 Event																											
SB-2	5 - 15	1/24/2014	**19,000 SG,HD**	**480 SG,HD**	**63,000**	<2000	**1,800**	<1000	**15,000**	**6,800**	**26,000**	**10,000**	<100	**1,400**	<100	<100	<50	<100	**9,900**	**2,900**	<1000	**390**	<100	**1,500**	**760**	**150**	<100
SB-2-DUP	5 - 15	1/24/2014	**14,000 SG,HD**	**360 SG,HD**	**14,000**	<200	**1,300**	<100	**3,100**	**1,300**	**3,100**	**1,500**	**18**	<100	<10	<10	<5.0	<10	**560**	**160**	<100	**63**	<10	**140**	**17**	<10	<10
SB-3	5 - 15	1/24/2014	<50	<250	**120**	<20	<0.50	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<0.50	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
SB-4	5 - 15	1/27/2014	<50	<250	<50	<20	<0.50	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<0.50	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
SB-5	7 - 12	1/24/2014	**53 SG,HD**	<250	**140**	<20	**0.54**	<10	**5.7**	**2.7**	**11**	**3.6**	<1.0	<10	<1.0	<1.0	<0.50	<1.0	**4.0**	**1.2**	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
SB-6	7 - 12	1/24/2014	<50	<250	<50	<20	<0.50	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<0.50	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
SB-7	5 - 15	1/24/2014	<50	<250	<50	<20	<0.50	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<0.50	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
SB-8	5 - 15	1/24/2014	<50	<250	<50	<20	<0.50	<10	**4.2**	**1.8**	**4.6**	**1.0**	<1.0	<10	<1.0	<1.0	<0.50	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
SB-9	5 - 10	1/24/2014	**60,000 SG,HD**	<250	**130,000**	<2000	**10,000**	<1000	**38,000**	**6,300**	**24,000**	**10,000**	**160**	<1,000	<100	<100	<50	<100	**6,600**	**1,800**	<1000	**220**	<100	**810**	**370**	<100	<100
April 2016 Event																											
SB-13	2-12	4/7/2016	**31 J**	<310	**25 J**	**3.9 J**	<0.5	<0.5	<0.5	**0.3 J**	**0.8**	<0.5	<0.5	<2.0	<0.5	**0.3 J**	**0.2 J**	<0.5	**0.6**	**0.2 J**	<10	**0.8**	<0.5	**0.9**	<0.5	**0.2 J**	<0.5
SB-14	2-12	4/7/2016	**440 Y**	**410**	<50	<10	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	**0.2 J**	<0.5	<0.5	<0.5	<0.5	<0.5	**0.6 J**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SB-15	2-12	4/7/2016	**3,300 Y**	**2,100**	**490**	**8.4 J**	**110**	<1.3	**110**	**4.5**	**15**	**7.3**	**0.5 J**	<5.0	<1.3	<1.3	**0.3 J**	<1.3	**1.4**	**0.5 J**	**<25**	<1.3	<1.3	**0.3 J**	<1.3	<1.3	<1.3
SB-16	2-12	4/7/2016	**4,600 Y**	**3,900**	**130**	**9.0 J**	**0.9**	**<0.5**	**6.9**	**1.5**	**6.6**	**2.6**	<0.5	**0.3 J**	<0.5	<0.5	<0.5	<0.5	**2.4**	**0.8**	**1.5 J**	**0.2 J**	<0.5	**0.5**	**0.2 J**	**0.2 J**	<0.5
SB-19	5-15	4/6/2016	**1,100 Y**	**800**	**2,600**	**9.0 J**	**7.9**	<0.5	**0.3 J**	**2.0**	**3.9**	**0.8**	**1.1**	**2.7**	<0.5	<0.5	**0.1 J**	**0.2 J**	**11**	**1.8**	**1.6 J**	**36**	**8.5**	**70**	**44**	**33**	**1.9**
SB-19-DUP	5-15	4/6/2016	**170,000 Y**	**18,000**	**23,000 Y**	<100	**4.9 J**	<5.0	<5.0	**1.7 J**	**2.1 J**	<5.0	<5.0	<20	<5.0	<5.0	<5.0	<5.0	**7.2**	**1.9 J**	<100	**25**	**14**	**50**	**40**	**34**	**1.6 J**
SB-20	2-12	4/11/2016	**2,800**	**1,600**	**3,300**	**19 J**	**0.7 J**	<1.7	**1.4 J**	**1.5 J**	**2.8**	**0.8 J**	**220**	**1.0 J**	<1.7	<1.7	**0.5 J**	<1.7	**0.7 J**	<1.7	**6.0 J**	**37**	<1.7	**99**	**15**	**7.7**	**1.8**
SB-21	2-12	4/7/2016	**710 Y**	**290 J**	**69**	**3.8 J**	**6.5**	<0.5	<0.5	<0.5	<0.5	<0.5	**8.5**	<2.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**1.1 J**	<0.5	<0.5	<0.5	<0.5	<0.5	**0.1 J**
SB-22	5-15	4/6/2016	**940 Y**	**1,200**	<50	<10	<0.5	**0.2 J**	**0.3 J**	<0.5	**0.2 J**	<0.5	**4.0**	<2.0	<0.5	<0.5	<0.5	<0.5	**0.1 J**	<0.5	**0.4 J**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SB-23	2-12	4/7/2016	**23 J**	<300	<50	**4.4 J**	**<0.5**	**<0.5**	**0.2 J**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	<2.0	<0.5	<0.5	<0.5	<0.5	**<0.5**	**<0.5**	**<10**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	<0.5	<0.5
SB-25	2-12	4/7/2016	**99,000**	**20,000**	**450,000**	<6,300	**33,000**	<310	**56,000**	**6,300**	**23,000**	**9,600**	**<310**	**1,000 J**	<310	<310	<310	<310	**7,300**	**2,300**	<6,300	**320**	<310	**1,000**	**240 J**	**120 J**	<310
SB-26	5-15	4/6/2016	**1,000 Y**	**1,600**	<50	**4.0 J**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**1.9**	<2.0	<0.5	<0.5	**0.3 J**	<0.5	<0.5	<0.5	<10	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
		Tier-1 ESLs	*100*	*50,000* [1]	*100*	*1,500*	*1*	---	*40*	*13*	*20*	*20*	*5*	*0.17*	*5*	*5*	*0.5*	*14*	---	---	*5,600*	---	---	---	---	---	---
		ESL Direct Exposure	*150*	*50,000*	*220*	*14,000*	*1*	---	*150*	*30*	*190*	*190*	*13*	*0.17*	*5*	*5*	*0.5*	*100*	---	---	---	---	---	---	---	---	---
		C/I Groundwater ESLs for Vapor Intrusion	---	---	---	*290,000,000*	*9.7*	---	*30,000*	*110*	*11,000*	*11,000*	*11,000*	*170*	*49*	*180*	*53*	*100,000*	---	---	---	---		---	---	---	---
		MCLs	---	---	---	---	*5*	---	*1,000*	*700*	*10,000*	*10,000*	---	---	*5*	---	*5*	*600*	---	---	---	---	---	---	--	---	---

Legend:
ft bgs = feet below ground surface
TPH-d = Total Petroleum Hydrocarbons as Diesel
TPH-mo = Total Petroleum Hydrocarbons as Motor Oil
TPH-g = Total Petroleum Hydrocarbons as Gasoline
C/I = Commercial/Industrial
ESL = Environmental Screening Level
MCL = Maximum Contaminant Level
--- = No screening level established
SB-# = Soil Boring Location
< = Analyte not detected at or above the stated laboratory reporting limit
NA = Not Analyzed
J = Lab Qualifier - Estimated Value

Qualifiers:
HD - The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
SG - The sample extract was subjected to Silica Gel treatment prior to analysis.

Notes:
All concentrations reported in micrograms per liter (µg/L).
* = Samples were analyzed by United States Environmental Protection Agency (USEPA) Method 8015B Modified (M).
Samples were analyzed by USEPA Method 8260B.
Tier 1 ESLs = Tier 1 Environmental Screening Levels for Groundwater, San Francisco Bay Regional Water Quality Control Board (San Francisco Bay RWQCB), *ESL Workbook*, Tier 1 Summary Table, February 2016.
Direct Exposure Groundwater ESLs = Commercial/Industrial Environmental Screening Level where Groundwater is not a Current or Potential Drinking Water Resource, San Francisco Bay RWQCB, *ESL Workbook*, Table GW-1, February 2016.
ESLs for Vapor Intrusion = Commercial/Industrial Environmental Screening Levels for Evaluation of Potential Vapor Intrusion, San Francisco Bay RWQCB, *ESL Workbook*, Table GW-3, February 2016.
MCLs = Commercial/Industrial Regional Screening Level, EPA Region 9 RSL Summary Table, November 2013.
Bold values indicate detections at or above the laboratory reporting limit.
Values shaded gray indicate concentrations detected above the ESLs.
1 - Tier 1 for TPH-mo based on gross contamination level as TPH-mo is not soluble in water.

Table 8
Semivolatile Organic Compounds in Groundwater
Site Characterization Technical Memorandum
205 Brush Street
Oakland, California

Sample ID Location	Sample Interval / Screen Interval (ft bgs)	Date Sampled	Acenaphthene	Anthracene	Benzo (a) Anthracene	Benzo (a) Pyrene	Benzo (b) Fluoranthene	Benzo (g,h,i) Perylene	Benzo (k) Fluoranthene	Benzoic Acid	Chrysene	Dibenzofuran	Fluoranthene	Fluorene	Indeno (1,2,3-c,d) Pyrene	2-Methylnaphthalene	1-Methylnaphthalene	2-Methylphenol	3/4-Methylphenol	2,4-Dimethylphenol	Naphthalene	Phenanthrene	Phenol	Pyrene
		Tier-1 ESL	*20*	*0.73*	*0.027*	*0.014*	*0.012*	*0.1*	*0.017*	*---*	*0.049*	*---*	*8*	*3.9*	*0.034*	*2.1*	*----*	*---*	*---*	*100*	*0.17*	*4.6*	*5*	*2*
		ESL Direct Exposure	*530*	*1,800*	*0.034*	*0.2*	*0.012*	*---*	*0.017*	*---*	*0.17*	*---*	*800*	*290*	*0.034*	*36*	*---*	*---*	*---*	*100*	*0.17*	*---*	*4,200*	*120*
		C/I Groundwater ESLs for Vapor Intrusion	*---*	*---*	*---*	*---*	*---*	*---*	*---*	*---*	*---*	*---*	*---*	*---*	*---*	*---*	*---*	*---*	*---*	*---*	*170*	*---*	*---*	*---*
		MCLs	*---*	*---*	*---*	*0.2*	*---*	*---*	*---*	*---*	*---*	*---*	*---*	*---*	*---*	*---*	*---*	*---*	*---*	*---*	*---*	*---*	*---*	*---*
January 2014 Event																								
SB-2	5 - 15	1/24/2014	<97	**120**	**170**	**100**	<97	<97	**98**	<480	**140**	<97	**460**	<97	<97	**390**	**210**	<97	<97	<97	**780**	**520**	<97	**430**
SB-2-DUP	5 - 15	1/24/2014	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<48	<9.6	<9.6	<9.6	<9.6	<9.6	**19**	**11**	**11**	**17**	**16**	**59**	**12**	**18**	**18**
SB-3	5 - 15	1/24/2014	<9.9	<9.9	<9.9	<9.9	<9.9	<9.9	<9.9	<50	<9.9	<9.9	<9.9	<9.9	<9.9	<9.9	<9.9	<9.9	<9.9	<9.9	<9.9	<9.9	<9.9	<9.9
SB-4	5 - 15	1/27/2014	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<48	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5
SB-5	7 - 12	1/24/2014	<9.8	<9.8	<9.8	<9.8	<9.8	<9.8	<9.8	<49	<9.8	<9.8	<9.8	<9.8	<9.8	<9.8	<9.8	<9.8	<9.8	<9.8	<9.8	<9.8	<9.8	<9.8
SB-6	7 - 12	1/24/2014	<9.9	<9.9	<9.9	<9.9	<9.9	<9.9	<9.9	<50	<9.9	<9.9	<9.9	<9.9	<9.9	<9.9	<9.9	<9.9	<9.9	<9.9	<9.9	<9.9	<9.9	<9.9
SB-7	5 - 15	1/24/2014	<9.8	<9.8	<9.8	<9.8	<9.8	<9.8	<9.8	<49	<9.8	<9.8	<9.8	<9.8	<9.8	<9.8	<9.8	<9.8	<9.8	<9.8	<9.8	<9.8	<9.8	<9.8
SB-8	5 - 15	1/24/2014	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<48	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7
SB-9	5 - 10	1/24/2014	<49	<49	<49	<49	<49	<49	<49	<240	<49	<49	<49	<49	<49	**180**	**99**	**76**	**130**	<49	**550**	<49	<49	<49
April 2016 Event																								
SB-13	2-12	4/7/2016	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<47	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4
SB-14	2-12	4/7/2016	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	**39 J**	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4
SB-15	2-12	4/7/2016	<29	<29	<29	<29	<29	<29	<29	<150	<29	<29	<29	<29	<29	<29	<29	<29	<29	<29	<29	<29	<29	<29
SB-16	2-12	4/7/2016	<28	<28	<28	<28	<28	<28	<28	<140	<28	<28	<28	<28	<28	<28	<28	<28	<28	<28	<28	<28	<28	<28
SB-19	5-15	4/6/2016	<310	<310	<310	<310	<310	<310	<310	<1,600	<310	<310	<310	<310	<310	<310	<310	<310	<310	<310	<310	<310	<310	<310
SB-19- DUP	5-15	4/6/2016	<100	<100	<100	<100	<100	<100	<100	<510	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
SB-20	2-12	4/12/2016	<19	<19	<19	<19	<19	<19	<19	<96	<19	<19	<19	<19	<19	**26**	**17 J**	<19	<19	<19	<19	<19	<19	<19
SB-21	2-12	4/7/2016	<20	<20	<20	<20	<20	<20	<20	**64 J**	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	**7.7 J**	<20
SB-22	5-15	4/6/2016	<9.8	<9.8	<9.8	<9.8	<9.8	<9.8	<9.8	<49	<9.8	<9.8	<9.8	<9.8	<9.8	<9.8	<9.8	<9.8	<9.8	<9.8	<9.8	<9.8	<9.8	<9.8
SB-23	2-12	4/7/2016	<10	<10	<10	<10	<10	<10	<10	<50	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
SB-25	2-12	4/7/2016	<370	<370	<370	<370	<370	<370	<370	<1,900	<370	<370	<370	<370	<370	**180 J**	**99 J**	<370	<370	<370	**500**	**73 J**	<370	<370
SB-26	5-15	4/6/2016	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<48	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6
		Tier-1 ESL	*20*	*0.73*	*0.027*	*0.014*	*0.012*	*0.1*	*0.017*	*---*	*0.049*	*---*	*8*	*3.9*	*0.034*	*2.1*	*----*	*---*	*---*	*100*	*0.12*	*4.6*	*5*	*2*
		ESL Direct Exposure	*530*	*1,800*	*0.034*	*0.2*	*0.012*	*0.1*	*0.017*	*---*	*0.17*	*---*	*800*	*290*	*0.034*	*36*	*---*	*---*	*---*	*100*	*0.12*	*---*	*4,200*	*120*
		C/I Groundwater ESLs for Vapor Intrusion	*---*	*---*	*---*	*---*	*---*	*---*	*---*	*---*	*---*	*---*	*---*	*---*	*---*	*---*	*---*	*---*	*---*	*---*	*170*	*---*	*---*	*---*
		MCLs	*---*	*---*	*---*	*0.2*	*---*	*---*	*---*	*---*	*---*	*---*	*---*	*---*	*---*	*---*	*---*	*---*	*---*	*---*	*---*	*---*	*---*	*---*

Legend:
ft bgs = feet below ground surface
C/I = Commercial/Industrial
ESL = Environmental Screening Level
MCL = Maximum Contaminant Level
--- = No screening level established
SB-# = Soil Boring Location
< = Analyte not detected at or above the stated laboratory reporting limit
NA = Not Analyzed
J = Lab Qualifier - Estimated Value

Notes:
All concentrations reported in micrograms per liter (µg/L).
Samples were analyzed by United States Environmental Protection Agency (USEPA) Method 8270C.
Tier 1 ESLs = Tier 1 Environmental Screening Levels for Groundwater, San Francisco Bay Regional Water Quality Control Board (San Francisco Bay RWQCB), ESL Workbook, Tier 1 Summary Table, February 2016.
Direct Exposure Groundwater ESLs = Commercial/Industrial Environmental Screening Level where Groundwater is not a Current or Potential Drinking Water Resource, San Francisco Bay RWQCB, ESL Workbook, Table GW-1, February 2016.

ESLs for Vapor Intrusion = Commercial/Industrial Environmental Screening Levels for Evaluation of Potential Vapor Intrusion, San Francisco Bay RWQCB, ESL Workbook, Table GW-3, February 2016.
MCLs = Commercial/Industrial Regional Screening Level, EPA Region 9 RSL Summary Table, November 2013.
Bold values indicate detections at or above the laboratory reporting limit.
Values shaded gray indicate concentrations detected above the ESLs.

Table 9
Total Metals in Groundwater
Site Characterization Technical Memorandum
205 Brush Street
Oakland, California

Sample ID Location	Sample Interval / Screen Interval (ft bgs)	Date Sampled	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	Mercury
		Tier-1 ESL	*6*	*10*	*1,000*	*2.7*	*0.25*	*50*	*3*	*3.1*	*2.5*	*100*	*8.2*	*5*	*0.19*	*2*	*19*	*81*	*0.051*
		ESL Direct Exposure	*6*	*10*	*1,000*	*4*	*5*	*50*	*6*	*300*	*15*	*100*	*12*	*30*	*94*	*2*	*50*	*5,000*	*1.2*
		MCLs	*6*	*10*	*2,000*	*4*	*5*	*100*	*---*	*1,300*	*15*	*---*	*---*	*50*	*---*	*2*	*---*	*---*	*2*
January 2014 Event																			
SB-2	5 - 15	1/24/2014	<15	**18.3**	**299**	<10	<10	<10	<10	<10	<10	<10	**16.7**	<15	<5	<15	<10	**11.9**	<0.5
SB-2-DUP	5 - 15	1/24/2014	<15	**18.9**	**225**	<10	<10	<10	<10	<10	<10	<10	**15.7**	<15	<5	<15	<10	**12.9**	<0.5
SB-3	5 - 15	1/24/2014	<15	<10	**14.5**	<10	<10	**14.2**	**457**	<10	<10	<10	**983**	<15	**8.95**	<15	<10	**1,260**	<0.5
SB-4	5 - 15	1/27/2014	<15	<10	**36.1**	<10	<10	<10	<10	<10	<10	<10	<10	<15	<5	<15	<10	**21**	<0.5
SB-5	7 - 12	1/24/2014	<15	<10	**159**	<10	<10	<10	<10	<10	<10	**17.1**	<10	<15	<5	<15	<10	**27.1**	<0.5
SB-6	7 - 12	1/24/2014	<15	<10	**156**	<10	<10	<10	<10	<10	<10	<10	**11.7**	<15	<5	<15	<10	**19.6**	<0.5
SB-7	5 - 15	1/24/2014	<15	<10	**64.8**	<10	<10	<10	<10	<10	<10	**13.4**	<10	<15	<5	<15	<10	**11.7**	<0.5
SB-8	5 - 15	1/24/2014	<15	<10	**116**	<10	<10	<10	<10	<10	<10	**24**	**165**	<15	<5	<15	<10	**15.5**	<0.5
SB-9	5 - 10	1/24/2014	<15	**24.8**	**179**	<10	<10	<10	<10	<10	<10	<10	<10	<15	**6.37**	<15	<10	**18.3**	<0.5
April 2016 Event																			
SB-13	2-12	4/7/2016	<10	<5.0	**72**	<2.0	<5.0	**2.8 J**	**3.4 J**	<5.0	**2.7 J**	**10**	**5.4**	**7.6 J**	<5.0	**2.1 J**	**1.2 J**	**5.5 J**	<0.20
SB-14	2-12	4/7/2016	<10	<5.0	**220**	<2.0	<5.0	<5.0	**4.7 J**	<5.0	**3.8 J**	**20**	**20**	**3.7 J**	**3.6 J**	<10	<5.0	**7.6 J**	<0.20
SB-15	2-12	4/7/2016	<10	**8.4**	**180**	<2.0	<5.0	**4.3 J**	**2.7 J**	<5.0	**3.0 J**	**26**	**14**	<10	<5.0	**2.8 J**	**2.9 J**	<20	<0.20
SB-16	2-12	4/8/2016	<10	**7.5**	**440**	<2.0	<5.0	**4.7 J**	**2.2 J**	<5.0	<5.0	**19**	**52**	<10	**1.9 J**	<10	<5.0	<20	<0.20
SB-19	5-15	4/6/2016	<10	<5.0	**180**	<2.0	<5.0	<5.0	**4.0 J**	**3.8 J**	<5.0	**20**	**27**	<10	<5.0	<10	**7.9**	**7.4 J**	<0.20
SB-19-Dup	5-15	4/6/2016	**3.0 J**	<5.0	**200**	<2.0	<5.0	1.5 J	**4.4 J**	**<5.0**	<5.0	**18**	**27**	<10	<5.0	<10	**4.1 J**	<20	<0.20
SB-20	2-12	4/12/2016	<10	<5.0	**150**	<2.0	<5.0	**1.6 J**	**29**	<5.0	<5.0	**8.7**	**33**	<10	<5.0	<10	<5.0	**45**	<0.20
SB-21	2-12	4/7/2016	<10	<5.0	**64**	**4.3**	**7.4**	**13**	**480**	<5.0	**2.9 J**	**4.2 J**	**1,200**	**7.3 J**	**3.5 J**	**9.1 J**	**4.9 J**	**4,900**	**0.16 J**
SB-22	5-15	4/6/2016	<10	<5.0	**51**	<2.0	<5.0	<5.0	**34**	<5.0	<5.0	**4.5 J**	**60**	<10	**1.1 J**	**8.7 J**	**1.9 J**	**17 J**	<0.20
SB-23	2-12	4/8/2016	<10	<5.0	**88**	<2.0	<5.0	<5.0	**3.3 J**	<5.0	<5.0	**4.9 J**	**7.0**	**5.9 J**	<5.0	**4.7 J**	**1.0 J**	**20**	<0.20
		Tier-1 ESL	*6*	*10*	*1,000*	*2.7*	*0.25*	*50*	*3*	*3.1*	*2.5*	*100*	*8.2*	*5*	*0.19*	*2*	*19*	*81*	*0.051*
		ESL Direct Exposure	*6*	*10*	*1,000*	*4*	*5*	*50*	*6*	*300*	*15*	*100*	*12*	*30*	*94*	*2*	*50*	*5,000*	*1.2*
		MCLs	*6*	*10*	*2,000*	*4*	*5*	*100*	*---*	*1,300*	*15*	*---*	*---*	*50*	*---*	*2*	*---*	*---*	*2*

Legend:
ft bgs = feet below ground surface
C/I = Commercial/Industrial
ESL = Environmental Screening Level
MCL = Maximum Contaminant Level
--- = No screening level established
SB-# = Soil Boring Location
< = Analyte not detected at or above the stated laboratory reporting limit
NA = Not Analyzed
J = Lab Qualifier - Estimated Value

Notes:
All concentrations reported in micrograms per liter (µg/L).
Samples were analyzed by United States Environmental Protection Agency (USEPA) Method 6010/7000 series.
Samples were field filtered.
Tier 1 ESLs = Tier 1 Environmental Screening Levels for Groundwater, San Francisco Bay Regional Water Quality Control Board (San Francisco Bay RWQCB), ESL Workbook, Tier 1 Summary Table, February 2016.
Direct Exposure Groundwater ESLs = Commercial/Industrial Environmental Screening Level where Groundwater is not a Current or Potential Drinking Water Resource, San Francisco Bay RWQCB, ESL Workbook, Table GW-1, February 2016.
ESLs for Vapor Intrusion = Commercial/Industrial Environmental Screening Levels for Evaluation of Potential Vapor Intrusion, San Francisco Bay RWQCB, ESL Workbook, Table GW-3, February 2016.
MCLs = Commercial/Industrial Regional Screening Level, EPA Region 9 RSL Summary Table, November 2013.
Bold values indicate detections at or above the laboratory reporting limit.
Values shaded gray indicate concentrations detected above the ESLs.

Table 10
Volatile Organic Compounds in Soil Vapor
Site Characterization Technical Memorandum
205 Brush Street
Oakland, California

Sample ID Location	Sample Depth (ft bgs)	Date Sampled	Acetone	2-Butanone	Ethanol	2-Propanol	Hexane	Cyclohexane	2,2,4-Trimethylpentane	Benzene	Heptane	Naphthalene	Toluene	Tetrachloroethene	Trichloroethene	1,1,1-Trichloroethane	m,p-Xylene
		Tier 1 ESL	*15,000,000*	*2,600,000*	---	---	---	---	---	*48*	---	*41*	*160,000*	*240*	*240*	*520,000*	*52,000*
		Applicable ESL	*31,000,000*	*22,000,000*	---	---	---	---	---	*420*	---	*360*	*1,300,000*	*2,100*	*3,000*	*4,400,000*	*440,000*
SVP-4	5.5	1/27/2014	**11**	<4.6	<9.7	NA	NA	NA	NA	<1.6	NA	<27	<1.9	**4.2**	<2.8	<2.8	<8.9
SVP-4-DUP	5.5	1/27/2014	**16**	<4.5	<9.5	NA	NA	NA	NA	<1.6	NA	<26	<1.9	**4.3**	<2.7	<2.8	<8.8
SVP-7	5.5	1/27/2014	**25**	**41**	<9.4	NA	NA	NA	NA	**3.3**	NA	<26	<1.9	**3,600**	**8**	**130**	<8.7
SVP-1	5.5	4/15/2016	<24	<12	**40**	<10	<3.6	**3.8**	<4.8	<3.3	<4.2	NA	**7.3**	**660**	<5.5	**96**	**9.2**
SVP-2	5.5	4/15/2016	<25	<12	**46**	**11**	<3.7	<3.6	<4.9	<3.3	<4.3	NA	**5.9**	**880**	<5.6	**42**	**5.0**
SVP-3	5.5	4/15/2016	<510	<640	<410	<530	**65,000 E**	**26,000**	**520,000 E**	**890**	**10,000**	NA	**230**	<370	<290	<290	<230
SVP-5	5.5	4/15/2016	<25	<12	**50**	<10	<3.8	<3.7	<5.0	<3.4	<4.4	NA	**11**	**450**	<5.7	**87**	**9.5**

Legend:

ft bgs = feet below ground surface
C/I = Commercial/Industrial
ESL = Environmental Screening Level
CHHSL = California Human Health Screening Level
RSL = Regional Screening Level
--- = No screening level established
SVP-# = Soil Vapor Probe Location
< = Analyte not detected at or above the stated laboratory reporting limit
E = Exceeds instrument calibration range
NA = Not Analyzed

Notes:

All concentrations reported in micrograms per cubic meter ($\mu g/m^3$).
Samples were analyzed by United States Environmental Protection Agency (USEPA) Method TO-15.

Tier-1 ESL = Tier 1 Environmental Screening Level for Shallow Soils, San Francisco Bay Regional Water Quality Control Board, ESL Workbook, Tier-1 ESL Table, February 2016.

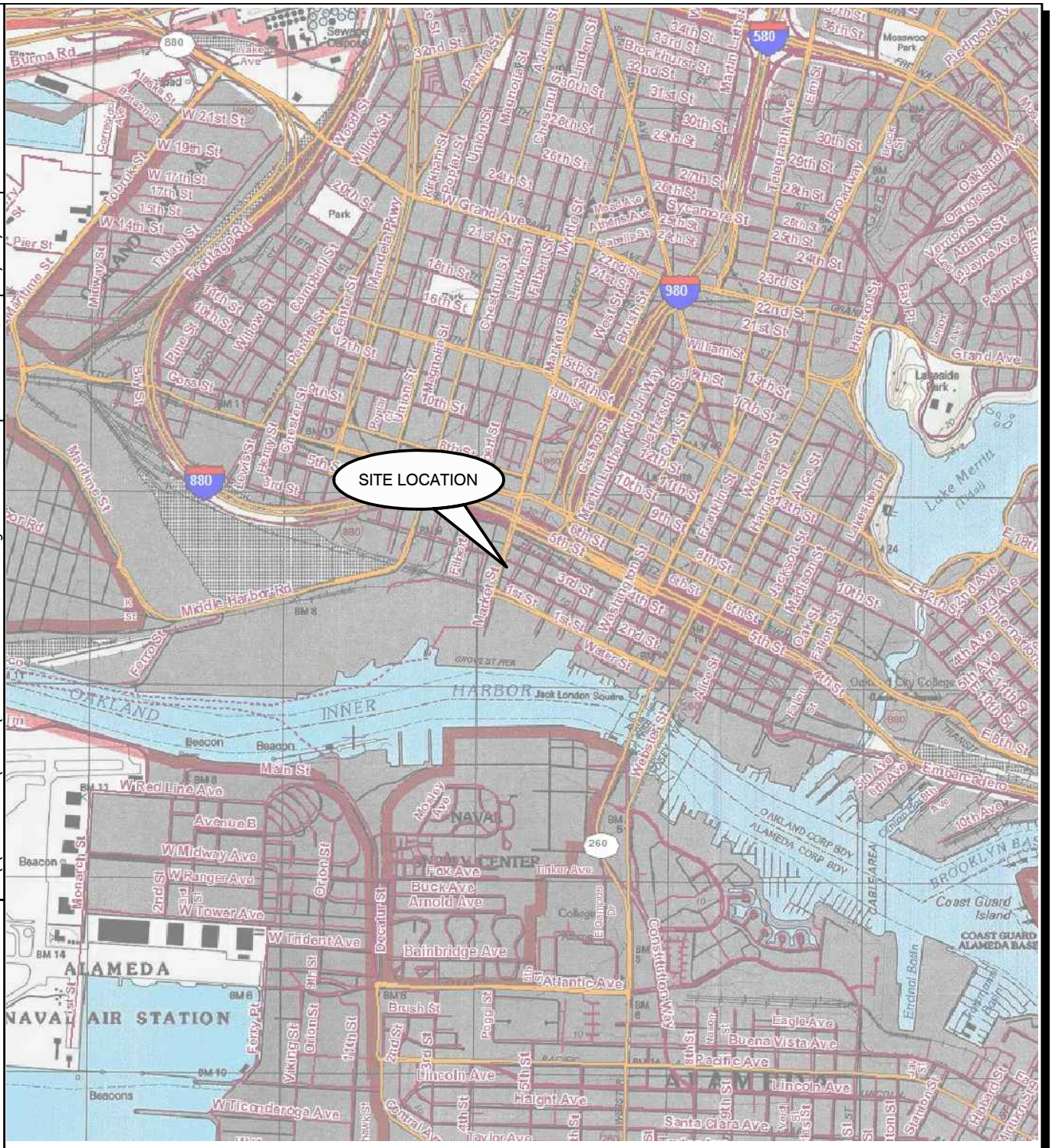
Applicable ESL = Appropriate ESL based on current and future site use as a Commercial/Industrial site using the Vapor Summary Table from the San Francisco Bay Regional Water Quality Control Board ESL Workbook, February 2016.

Bold values indicate detections at or above the laboratory reporting limit.

Values shaded gray indicate concentrations detected above the Applicable ESLs.

Figures

CAD File: G:\0323656\002A\0323656002A-17.dwg
Drawn By: R. Olson
Date: 05/31/16
Project No. 0323656.002A



SCALE 1: 24,000

1 1/2 0 1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 .5 0 1 KILOMETER

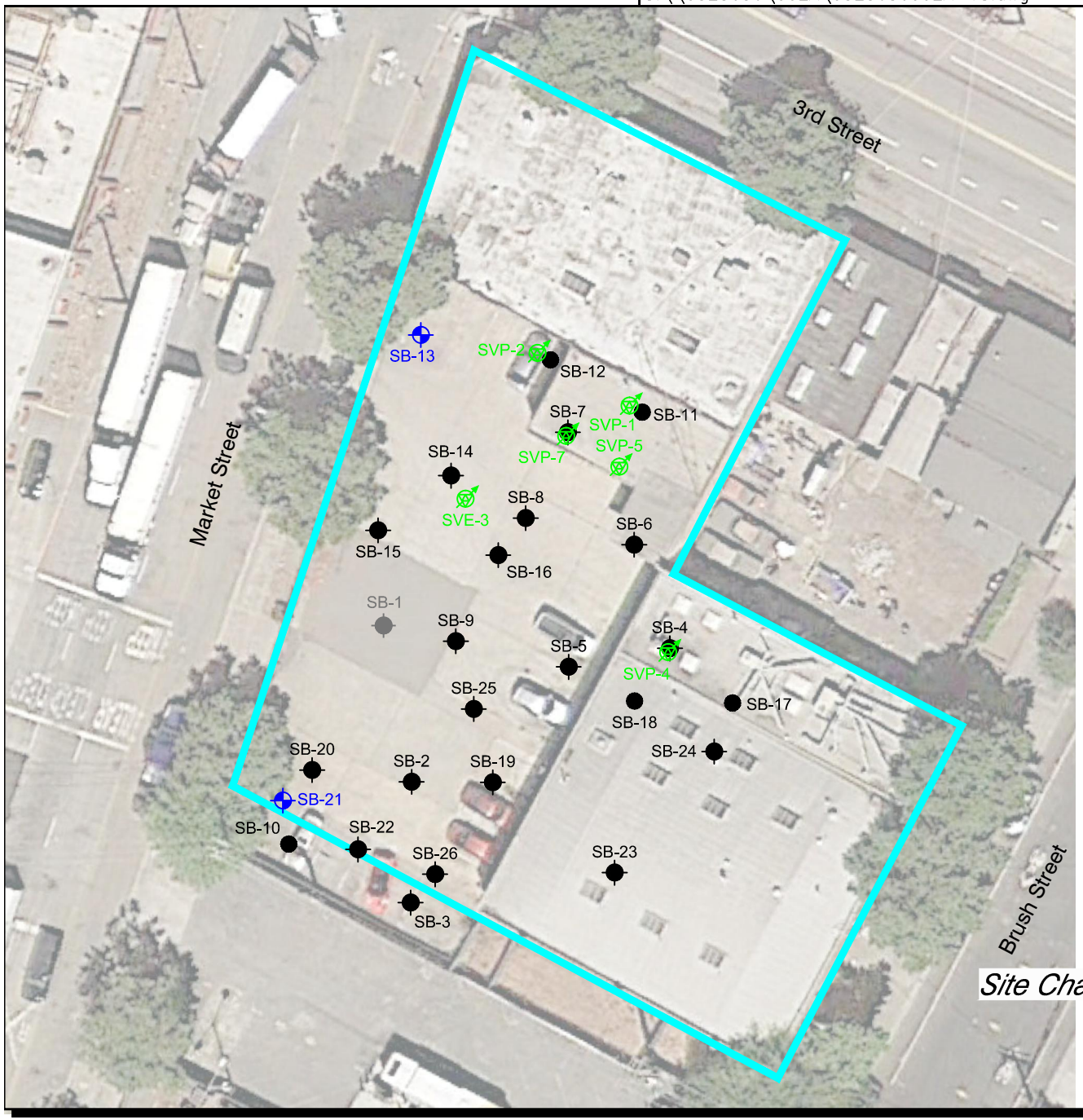
N

References:
TOPO!® Software
U.S.G.S. 7.5 Minute Series (Topographic) Quadrangle,
Oakland West, California
Dated: 1997

Figure 1
Site Location Map
Site Characterization Technical Memorandum
205 Brush Street
Oakland, California

ERM 05/16

CAD File:	Drawn By:	Date:	Project No.
G:\\0323656\002A\0323656002A-18.dwg	R. Olson	05/31/16	0323656.002A



Legend

- Groundwater Sampling Location
- Soil Sampling Location
- Soil and Grab Groundwater Sampling Location
- Soil Vapor Point
- Site Boundary

Aerial Photo Source: © 2009 Google Earth Pro Ver 5.0.11733.9347

N

0 40

Approx. Scale (feet)

Figure 2

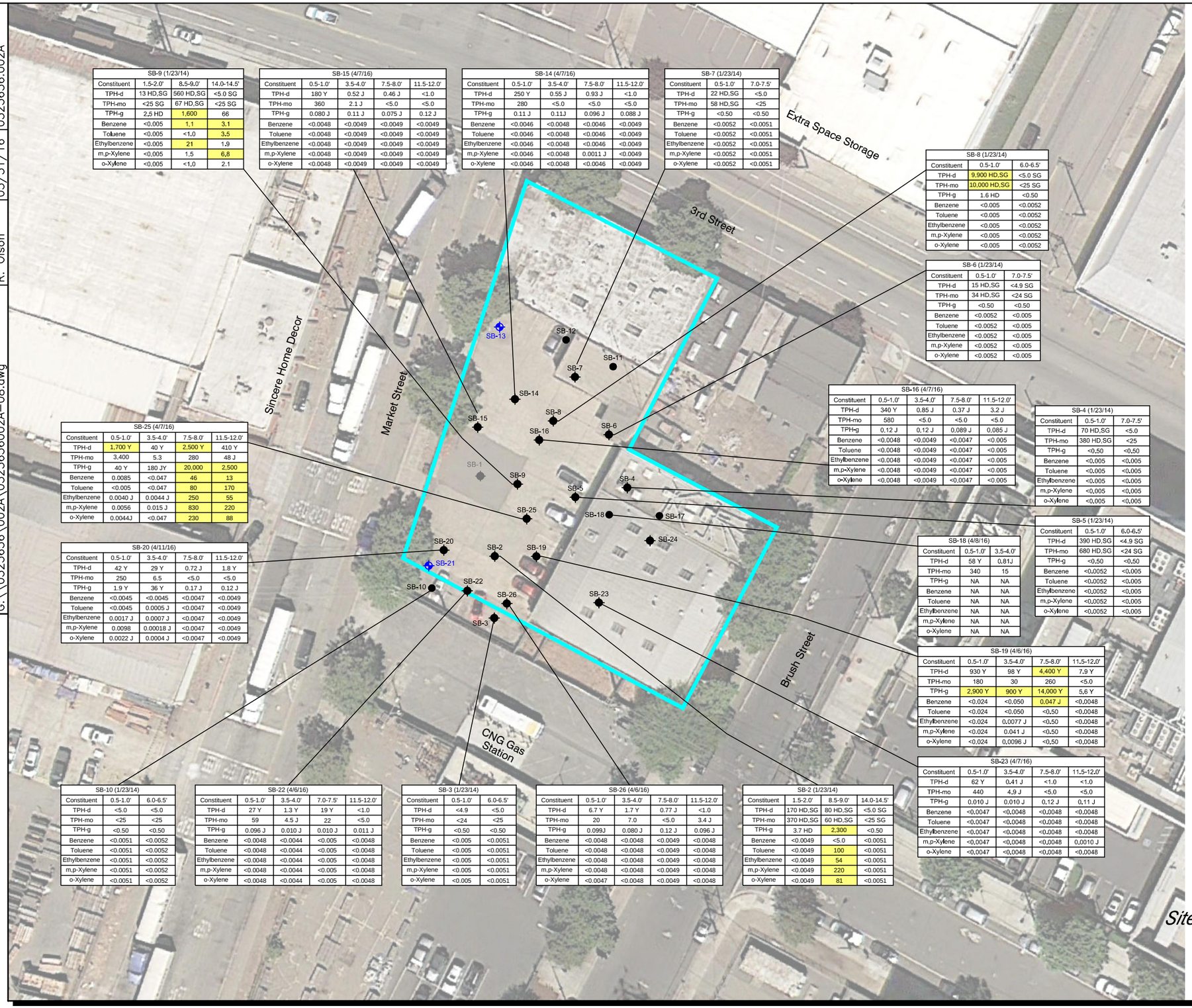
Soil and Groundwater Sampling Locations - Phase I Site Characterization Technical Memorandum

205 Brush Street

Oakland, California

ERM 05/16

Project No. 0323656.002A
Date: 05/31/16
Drawn By: R. Olson
CAD File: G:\0323656\002A\0323656002A-08.dwg



SB-9 (1/23/14)			
Constituent	1.5-2.0'	8.5-9.0'	14.0-14.5'
TPH-d	13 HD,SG	560 HD,SG	<5.0 SG
TPH-mo	<25 SG	67 HD,SG	<25 SG
TPH-g	2,5 HD	1,600	66
Benzene	<0,005	1.1	3,1
Toluene	<0,005	<1,0	3,5
Ethylbenzene	<0,005	21	1,9
m,p-Xylene	<0,005	1,5	6,8
o-Xylene	<0,005	<1,0	2.1

SB-15 (4/7/16)				
Constituent	0.5-1.0'	3.5-4.0'	7.5-8.0'	11.5-12.0'
TPH-d	180 Y	0.52 J	0.46 J	<1.0
TPH-mo	360	2.1 J	<5.0	<5.0
TPH-g	0.080 J	0.11 J	0.075 J	0.12 J
Benzene	<0.0048	<0.0049	<0.0049	<0.0049
Toluene	<0.0048	<0.0049	<0.0049	<0.0049
Ethylbenzene	<0.0048	<0.0049	<0.0049	<0.0049
m,p-Xylene	<0.0048	<0.0049	<0.0049	<0.0049
o-Xylene	<0.0048	<0.0049	<0.0049	<0.0049

SB-14 (4/7/16)				
Constituent	0.5-1.0'	3.5-4.0'	7.5-8.0'	11.5-12.0'
TPH-d	250 Y	0.55 J	0.93 J	<1.0
TPH-mo	280	<5.0	<5.0	<5.0
TPH-g	0.11 J	0.11J	0.096 J	0.088 J
Benzene	<0.0046	<0.0048	<0.0046	<0.0049
Toluene	<0.0046	<0.0048	<0.0046	<0.0049
Ethylbenzene	<0.0046	<0.0048	<0.0046	<0.0049
m,p-Xylene	<0.0046	<0.0048	0.0011 J	<0.0049
o-Xylene	<0.0046	<0.0048	<0.0046	<0.0049

SB-7 (1/23/14)		
Constituent	0.5-1.0'	7.0-7.5'
TPH-d	22 HD,SG	<5.0
TPH-mo	58 HD,SG	<25
TPH-g	<0.50	<0.50
Benzene	<0.0052	<0.0051
Toluene	<0.0052	<0.0051
Ethylbenzene	<0.0052	<0.0051
m,p-Xylene	<0.0052	<0.0051
o-Xylene	<0.0052	<0.0051

SB-8 (1/23/14)		
Constituent	0.5-1.0'	6.0-6.5'
TPH-d	9,900 HD,SG	<5.0 SG
TPH-mo	10,000 HD,SG	<25 SG
TPH-g	1.6 HD	<0.50
Benzene	<0.005	<0.0052
Toluene	<0.005	<0.0052
Ethylbenzene	<0.005	<0.0052
m,p-Xylene	<0.005	<0.0052
o-Xylene	<0.005	<0.0052

SB-6 (1/23/14)		
Constituent	0.5-1.0'	7.0-7.5'
TPH-d	15 HD,SG	<4.9 SG
TPH-mo	34 HD,SG	<24 SG
TPH-g	<0.50	<0.50
Benzene	<0.0052	<0.005
Toluene	<0.0052	<0.005
Ethylbenzene	<0.0052	<0.005
m,p-Xylene	<0.0052	<0.005
o-Xylene	<0.0052	<0.005

SB-16 (4/7/16)				
Constituent	0.5-1.0'	3.5-4.0'	7.5-8.0'	11.5-12.0'
TPH-d	340 Y	0.85 J	0.37 J	3.2 J
TPH-mo	580	<5.0	<5.0	<5.0
TPH-g	0.12 J	0.12 J	0.089 J	0.085 J
Benzene	<0.0048	<0.0049	<0.0047	<0.005
Toluene	<0.0048	<0.0049	<0.0047	<0.005
Ethylbenzene	<0.0048	<0.0049	<0.0047	<0.005
m,p-Xylene	<0.0048	<0.0049	<0.0047	<0.005
o-Xylene	<0.0048	<0.0049	<0.0047	<0.005

SB-4 (1/23/14)		
Constituent	0.5-1.0'	7.0-7.5'
TPH-d	70 HD,SG	<5.0
TPH-mo	380 HD,SG	<25
TPH-g	<0,50	<0,50
Benzene	<0,005	<0,005
Toluene	<0,005	<0,005
Ethylbenzene	<0,005	<0,005
m,p-Xylene	<0,005	<0,005
o-Xylene	<0,005	<0,005

SB-25 (4/7/16)				
Constituent	0.5-1.0'	3.5-4.0'	7.5-8.0'	11.5-12.0'
TPH-d	1,700 Y	40 Y	2,500 Y	410 Y
TPH-mo	3,400	5.3	280	48 J
TPH-g	40 Y	180 JY	20,000	2,500
Benzene	0.0085	<0.047	46	13
Toluene	<0.005	<0.047	80	170
Ethylbenzene	0.0040 J	0.0044 J	250	55
m,p-Xylene	0.0056	0.015 J	830	220
o-Xylene	0.0044J	<0.047	230	88

SB-20 (4/11/16)				
Constituent	0.5-1.0'	3.5-4.0'	7.5-8.0'	11.5-12.0'
TPH-d	42 Y	29 Y	0.72 J	1.8 Y
TPH-mo	250	6.5	<5.0	<5.0
TPH-g	1.9 Y	36 Y	0.17 J	0.12 J
Benzene	<0.0045	<0.0045	<0.0047	<0.0049
Toluene	<0.0045	0.0005 J	<0.0047	<0.0049
Ethylbenzene	0.0017 J	0.0007 J	<0.0047	<0.0049
m,p-Xylene	0.0098	0.00018 J	<0.0047	<0.0049
o-Xylene	0.0022 J	0.0004 J	<0.0047	<0.0049

SB-18 (4/8/16)		
Constituent	0.5-1.0'	3.5-4.0'
TPH-d	58 Y	0.81J
TPH-mo	340	15
TPH-g	NA	NA
Benzene	NA	NA
Toluene	NA	NA
Ethylbenzene	NA	NA
m,p-Xylene	NA	NA
o-Xylene	NA	NA

SB-5 (1/23/14)		
Constituent	0.5-1.0'	6.0-6.5'
TPH-d	390 HD,SG	<4.9 SG
TPH-mo	680 HD,SG	<24 SG
TPH-g	<0,50	<0,50
Benzene	<0,0052	<0,005
Toluene	<0,0052	<0,005
Ethylbenzene	<0,0052	<0,005
m,p-Xylene	<0,0052	<0,005
o-Xylene	<0,0052	<0,005

SB-19 (4/6/16)				
Constituent	0.5-1.0'	3.5-4.0'	7.5-8.0'	11.5-12.0'
TPH-d	930 Y	98 Y	4,400 Y	7,9 Y
TPH-mo	180	30	260	<5.0
TPH-g	2,900 Y	900 Y	14,000 Y	5,6 Y
Benzene	<0.024	<0.050	0,047 J	<0,0048
Toluene	<0.024	<0.050	<0,50	<0,0048
Ethylbenzene	<0.024	0,0077 J	<0,50	<0,0048
m,p-Xylene	<0.024	0,041 J	<0,50	<0,0048
o-Xylene	<0.024	0,0096 J	<0,50	<0,0048

SB-23 (4/7/16)				
Constituent	0.5-1.0'	3.5-4.0'	7.5-8.0'	11.5-12.0'
TPH-d	62 Y	0.41 J	<1.0	<1.0
TPH-mo	440	4,9 J	<5.0	<5.0
TPH-g	0,010 J	0,010 J	0,12 J	0,11 J
Benzene	<0.0047	<0,0048	<0,0048	<0,0048
Toluene	<0.0047	<0,0048	<0,0048	<0,0048
Ethylbenzene	<0.0047	<0,0048	<0,0048	<0,0048
m,p-Xylene	<0.0047	<0,0048	<0,0048	0,0010 J
o-Xylene	<0.0047	<0,0048	<0,0048	<0,0048

SB-10 (1/23/14)		
Constituent	0.5-1.0'	6.0-6.5'
TPH-d	<5.0	<5.0
TPH-mo	<25	<25
TPH-g	<0.50	<0.50
Benzene	<0.0051	<0.0052
Toluene	<0.0051	<0.0052
Ethylbenzene	<0.0051	<0.0052
m,p-Xylene	<0.0051	<0.0052
o-Xylene	<0.0051	<0.0052

SB-22 (4/6/16)				
Constituent	0.5-1.0'	3.5-4.0'	7.0-7.5'	11.5-12.0'
TPH-d	27 Y	1.3 Y	19 Y	<1.0
TPH-mo	59	4.5 J	22	<5.0
TPH-g	0.096 J	0.010 J	0.010 J	0.011 J
Benzene	<0.0048	<0.0044	<0.005	<0.0048
Toluene	<0.0048	<0.0044	<0.005	<0.0048
Ethylbenzene	<0.0048	<0.0044	<0.005	<0.0048
m,p-Xylene	<0.0048	<0.0044	<0.005	<0.0048
o-Xylene	<0.0048	<0.0044	<0.005	<0.0048

SB-3 (1/23/14)		
Constituent	0.5-1.0'	6.0-6.5'
TPH-d	<4.9	<5.0
TPH-mo	<24	<25
TPH-g	<0.50	<0.50
Benzene	<0.005	<0.0051
Toluene	<0.005	<0.0051
Ethylbenzene	<0.005	<0.0051
m,p-Xylene	<0.005	<0.0051
o-Xylene	<0.005	<0.0051

SB-26 (4/6/16)				
Constituent	0.5-1.0'	3.5-4.0'	7.5-8.0'	11.5-12.0'
TPH-d	6.7 Y	1.7 Y	0.77 J	<1.0
TPH-mo	20	7.0	<5.0	3.4 J
TPH-g	0.099J	0.080 J	0.12 J	0.096 J
Benzene	<0.0048	<0.0048	<0.0049	<0.0048
Toluene	<0.0048	<0.0048	<0.0049	<0.0048
Ethylbenzene	<0.0048	<0.0048	<0.0049	<0.0048
m,p-Xylene	<0.0048	<0.0048	<0.0049	<0.0048
o-Xylene	<0.0047	<0.0048	<0.0049	<0.0048

SB-2 (1/23/14)			
Constituent	1.5-2.0'	8.5-9.0'	14.0-14.5'
TPH-d	170 HD,SG	80 HD,SG	<5.0 SG
TPH-mo	370 HD,SG	60 HD,SG	<25 SG
TPH-g	3.7 HD	2,300	<0.50
Benzene	<0.0049	<5.0	<0.0051
Toluene	<0.0049	100	<0.0051
Ethylbenzene	<0.0049	54	<0.0051
m,p-Xylene	<0.0049	220	<0.0051
o-Xylene	<0.0049	81	<0.0051

Legend

- Site Boundary
- Groundwater Sampling Location
- Soil Sampling Location
- Soil and Grab Groundwater Sampling Location

SB-16 (4/7/14)	
Constituent	0.5-1.0'
TPH-d	340 Y

- Sample Identifier and Date of Sample
- Sample Depth (ft. bgs)
- Concentration in mg/kg
- Chemical Constituent

Yellow shading indicates concentrations above applicable ESLs based on current and future site usage.

Applicable ESLs	
TPH-d	1,100
TPH-mo	5,100
TPH-g	500
Benzene	0.044
Toluene	2.9
Ethylbenzene	1.4
m,p-Xylenes	2.3
o-Xylene	2.3

NA	Not Available
HD	Chromatographic Pattern was Inconsistent with Profile of Reference Fuel Standard
SG	Sample Extract was Subjected to Silica Gel Treatment Prior to Analysis
J	Lab Qualifier - Estimated Value
Y	Lab Qualifier - Estimated Value, Chromatogram did not Resemble Standard Hydrocarbon Pattern
TPH-g	Total Petroleum Hydrocarbons as Gasoline
TPH-d	Total Petroleum Hydrocarbons as Diesel
TPH-mo	Total Petroleum Hydrocarbons as Motor Oil
ESL	Environmental Screening Level

Aerial Photo Source: © 2009 Google Earth Pro Ver 5.0.11733.9347

N

0 50

Approx. Scale (feet)

Figure 3

TPH and VOCs in Soil

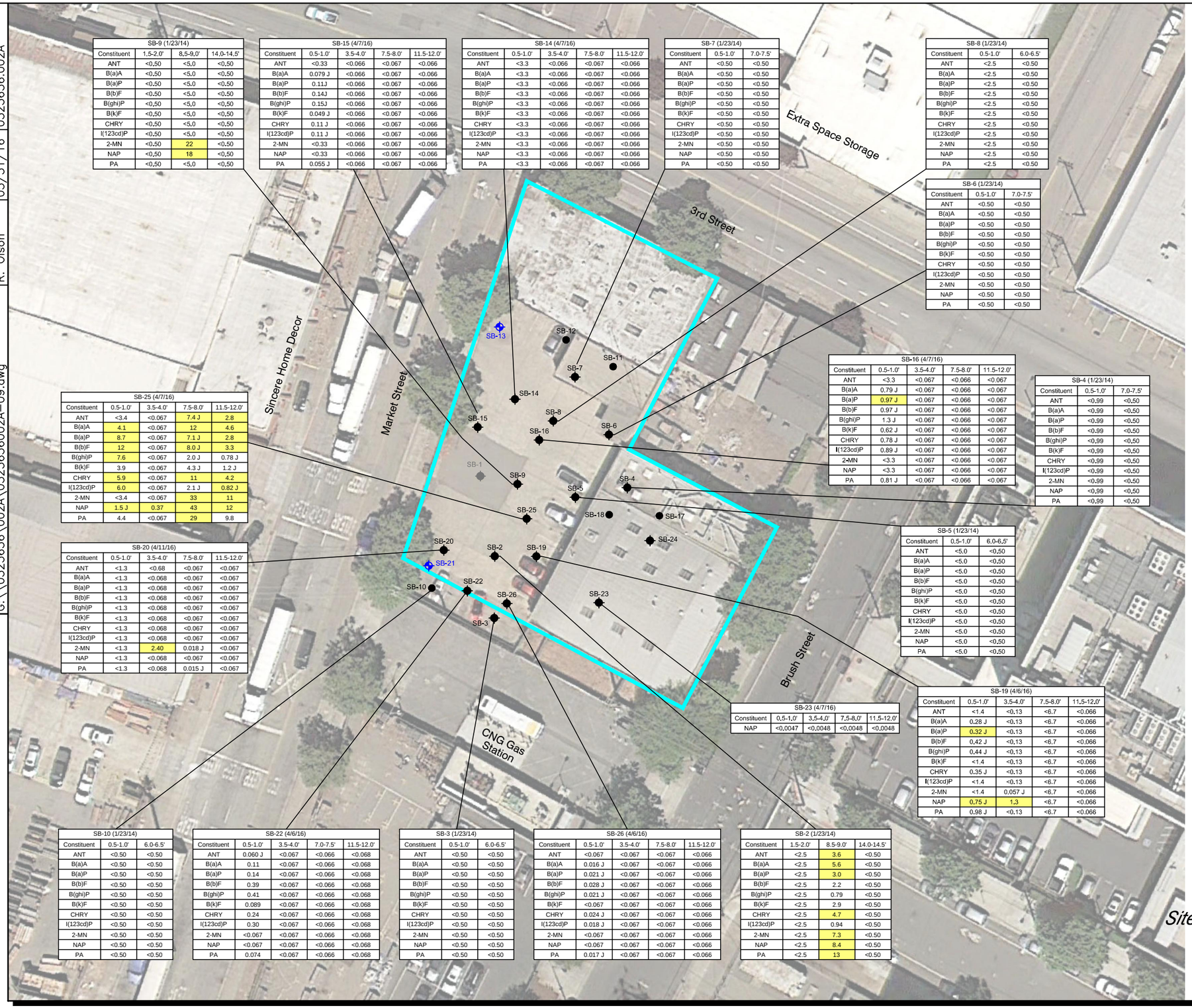
Site Characterization Technical Memorandum

205 Brush Street

Oakland, California

ERM 05/16

Project No. 0323656.002A
Date: 05/31/16
Drawn By: R. Olson
CAD File: G:\0323656\002A\0323656002A-09.dwg



SB-9 (1/23/14)

Constituent	1.5-2.0'	8.5-9.0'	14.0-14.5'
ANT	<0.50	<5.0	<0.50
B(a)A	<0.50	<5.0	<0.50
B(a)P	<0.50	<5.0	<0.50
B(b)F	<0.50	<5.0	<0.50
B(ghi)P	<0.50	<5.0	<0.50
B(k)F	<0.50	<5.0	<0.50
CHRY	<0.50	<5.0	<0.50
I(123cd)P	<0.50	<5.0	<0.50
2-MN	<0.50	22	<0.50
NAP	<0.50	18	<0.50
PA	<0.50	<5.0	<0.50

SB-15 (4/7/16)

Constituent	0.5-1.0'	3.5-4.0'	7.5-8.0'	11.5-12.0'
ANT	<0.33	<0.066	<0.067	<0.066
B(a)A	0.079 J	<0.066	<0.067	<0.066
B(a)P	0.11J	<0.066	<0.067	<0.066
B(b)F	0.14J	<0.066	<0.067	<0.066
B(ghi)P	0.15J	<0.066	<0.067	<0.066
B(k)F	0.049 J	<0.066	<0.067	<0.066
CHRY	0.11 J	<0.066	<0.067	<0.066
I(123cd)P	0.11 J	<0.066	<0.067	<0.066
2-MN	<0.33	<0.066	<0.067	<0.066
NAP	<0.33	<0.066	<0.067	<0.066
PA	0.055 J	<0.066	<0.067	<0.066

SB-14 (4/7/16)

Constituent	0.5-1.0'	3.5-4.0'	7.5-8.0'	11.5-12.0'
ANT	<3.3	<0.066	<0.067	<0.066
B(a)A	<3.3	<0.066	<0.067	<0.066
B(a)P	<3.3	<0.066	<0.067	<0.066
B(b)F	<3.3	<0.066	<0.067	<0.066
B(ghi)P	<3.3	<0.066	<0.067	<0.066
B(k)F	<3.3	<0.066	<0.067	<0.066
CHRY	<3.3	<0.066	<0.067	<0.066
I(123cd)P	<3.3	<0.066	<0.067	<0.066
2-MN	<3.3	<0.066	<0.067	<0.066
NAP	<3.3	<0.066	<0.067	<0.066
PA	<3.3	<0.066	<0.067	<0.066

SB-7 (1/23/14)

Constituent	0.5-1.0'	7.0-7.5'
ANT	<0.50	<0.50
B(a)A	<0.50	<0.50
B(a)P	<0.50	<0.50
B(b)F	<0.50	<0.50
B(ghi)P	<0.50	<0.50
B(k)F	<0.50	<0.50
CHRY	<0.50	<0.50
I(123cd)P	<0.50	<0.50
2-MN	<0.50	<0.50
NAP	<0.50	<0.50
PA	<0.50	<0.50

SB-8 (1/23/14)

Constituent	0.5-1.0'	6.0-6.5'
ANT	<2.5	<0.50
B(a)A	<2.5	<0.50
B(a)P	<2.5	<0.50
B(b)F	<2.5	<0.50
B(ghi)P	<2.5	<0.50
B(k)F	<2.5	<0.50
CHRY	<2.5	<0.50
I(123cd)P	<2.5	<0.50
2-MN	<2.5	<0.50
NAP	<2.5	<0.50
PA	<2.5	<0.50

SB-6 (1/23/14)

Constituent	0.5-1.0'	7.0-7.5'
ANT	<0.50	<0.50
B(a)A	<0.50	<0.50
B(a)P	<0.50	<0.50
B(b)F	<0.50	<0.50
B(ghi)P	<0.50	<0.50
B(k)F	<0.50	<0.50
CHRY	<0.50	<0.50
I(123cd)P	<0.50	<0.50
2-MN	<0.50	<0.50
NAP	<0.50	<0.50
PA	<0.50	<0.50

SB-16 (4/7/16)

Constituent	0.5-1.0'	3.5-4.0'	7.5-8.0'	11.5-12.0'
ANT	<3.3	<0.067	<0.066	<0.067
B(a)A	0.79 J	<0.067	<0.066	<0.067
B(a)P	0.97 J	<0.067	<0.066	<0.067
B(b)F	0.97 J	<0.067	<0.066	<0.067
B(ghi)P	1.3 J	<0.067	<0.066	<0.067
B(k)F	0.62 J	<0.067	<0.066	<0.067
CHRY	0.78 J	<0.067	<0.066	<0.067
I(123cd)P	0.89 J	<0.067	<0.066	<0.067
2-MN	<3.3	<0.067	<0.066	<0.067
NAP	<3.3	<0.067	<0.066	<0.067
PA	0.81 J	<0.067	<0.066	<0.067

SB-4 (1/23/14)

Constituent	0.5-1.0'	7.0-7.5'
ANT	<0.99	<0.50
B(a)A	<0.99	<0.50
B(a)P	<0.99	<0.50
B(b)F	<0.99	<0.50
B(ghi)P	<0.99	<0.50
B(k)F	<0.99	<0.50
CHRY	<0.99	<0.50
I(123cd)P	<0.99	<0.50
2-MN	<0.99	<0.50
NAP	<0.99	<0.50
PA	<0.99	<0.50

SB-25 (4/7/16)

Constituent	0.5-1.0'	3.5-4.0'	7.5-8.0'	11.5-12.0'
ANT	<3.4	<0.067	7.4 J	2.8
B(a)A	4.1	<0.067	12	4.6
B(a)P	8.7	<0.067	7.1 J	2.8
B(b)F	12	<0.067	8.0 J	3.3
B(ghi)P	7.6	<0.067	2.0 J	0.78 J
B(k)F	3.9	<0.067	4.3 J	1.2 J
CHRY	5.9	<0.067	11	4.2
I(123cd)P	6.0	<0.067	2.1 J	0.82 J
2-MN	<3.4	<0.067	33	11
NAP	1.5 J	0.37	43	12
PA	4.4	<0.067	29	9.8

SB-20 (4/11/16)

Constituent	0.5-1.0'	3.5-4.0'	7.5-8.0'	11.5-12.0'
ANT	<1.3	<0.68	<0.067	<0.067
B(a)A	<1.3	<0.068	<0.067	<0.067
B(a)P	<1.3	<0.068	<0.067	<0.067
B(b)F	<1.3	<0.068	<0.067	<0.067
B(ghi)P	<1.3	<0.068	<0.067	<0.067
B(k)F	<1.3	<0.068	<0.067	<0.067
CHRY	<1.3	<0.068	<0.067	<0.067
I(123cd)P	<1.3	<0.068	<0.067	<0.067
2-MN	<1.3	2.40	0.018 J	<0.067
NAP	<1.3	<0.068	<0.067	<0.067
PA	<1.3	<0.068	0.015 J	<0.067

SB-5 (1/23/14)

Constituent	0.5-1.0'	6.0-6.5'
ANT	<5.0	<0.50
B(a)A	<5.0	<0.50
B(a)P	<5.0	<0.50
B(b)F	<5.0	<0.50
B(ghi)P	<5.0	<0.50
B(k)F	<5.0	<0.50
CHRY	<5.0	<0.50
I(123cd)P	<5.0	<0.50
2-MN	<5.0	<0.50
NAP	<5.0	<0.50
PA	<5.0	<0.50

SB-23 (4/7/16)

Constituent	0.5-1.0'	3.5-4.0'	7.5-8.0'	11.5-12.0'
NAP	<0.0047	<0.0048	<0.0048	<0.0048

SB-19 (4/6/16)

Constituent	0.5-1.0'	3.5-4.0'	7.5-8.0'	11.5-12.0'
ANT	<1.4	<0.13	<6.7	<0.066
B(a)A	0.28 J	<0.13	<6.7	<0.066
B(a)P	0.32 J	<0.13	<6.7	<0.066
B(b)F	0.42 J	<0.13	<6.7	<0.066
B(ghi)P	0.44 J	<0.13	<6.7	<0.066
B(k)F	<1.4	<0.13	<6.7	<0.066
CHRY	0.35 J	<0.13	<6.7	<0.066
I(123cd)P	<1.4	<0.13	<6.7	<0.066
2-MN	<1.4	0.057 J	<6.7	<0.066
NAP	0.75 J	1.3	<6.7	<0.066
PA	0.98 J	<0.13	<6.7	<0.066

SB-10 (1/23/14)

Constituent	0.5-1.0'	6.0-6.5'
ANT	<0.50	<0.50
B(a)A	<0.50	<0.50
B(a)P	<0.50	<0.50
B(b)F	<0.50	<0.50
B(ghi)P	<0.50	<0.50
B(k)F	<0.50	<0.50
CHRY	<0.50	<0.50
I(123cd)P	<0.50	<0.50
2-MN	<0.50	<0.50
NAP	<0.50	<0.50
PA	<0.50	<0.50

SB-22 (4/6/16)

Constituent	0.5-1.0'	3.5-4.0'	7.0-7.5'	11.5-12.0'
ANT	0.060 J	<0.067	<0.066	<0.068
B(a)A	0.11	<0.067	<0.066	<0.068
B(a)P	0.14	<0.067	<0.066	<0.068
B(b)F	0.39	<0.067	<0.066	<0.068
B(ghi)P	0.41	<0.067	<0.066	<0.068
B(k)F	0.089	<0.067	<0.066	<0.068
CHRY	0.24	<0.067	<0.066	<0.068
I(123cd)P	0.30	<0.067	<0.066	<0.068
2-MN	<0.067	<0.067	<0.066	<0.068
NAP	<0.067	<0.067	<0.066	<0.068
PA	0.074	<0.067	<0.066	<0.068

SB-3 (1/23/14)

Constituent	0.5-1.0'	6.0-6.5'
ANT	<0.50	<0.50
B(a)A	<0.50	<0.50
B(a)P	<0.50	<0.50
B(b)F	<0.50	<0.50
B(ghi)P	<0.50	<0.50
B(k)F	<0.50	<0.50
CHRY	<0.50	<0.50
I(123cd)P	<0.50	<0.50
2-MN	<0.50	<0.50
NAP	<0.50	<0.50
PA	<0.50	<0.50

SB-26 (4/6/16)

Constituent	0.5-1.0'	3.5-4.0'	7.5-8.0'	11.5-12.0'
ANT	<0.067	<0.067	<0.067	<0.066
B(a)A	0.016 J	<0.067	<0.067	<0.066
B(a)P	0.021 J	<0.067	<0.067	<0.066
B(b)F	0.028 J	<0.067	<0.067	<0.066
B(ghi)P	0.021 J	<0.067	<0.067	<0.066
B(k)F	<0.067	<0.067	<0.067	<0.066
CHRY	0.024 J	<0.067	<0.067	<0.066
I(123cd)P	0.018 J	<0.067	<0.067	<0.066
2-MN	<0.067	<0.067	<0.067	<0.066
NAP	<0.067	<0.067	<0.067	<0.066
PA	0.017 J	<0.067	<0.067	<0.066

SB-2 (1/23/14)

Constituent	1.5-2.0'	8.5-9.0'	14.0-14.5'
ANT	<2.5	3.6	<0.50
B(a)A	<2.5	5.6	<0.50
B(a)P	<2.5	3.0	<0.50
B(b)F	<2.5	2.2	<0.50
B(ghi)P	<2.5	0.79	<0.50
B(k)F	<2.5	2.9	<0.50
CHRY	<2.5	4.7	<0.50
I(123cd)P	<2.5	0.94	<0.50
2-MN	<2.5	7.3	<0.50
NAP	<2.5	8.4	<0.50
PA	<2.5	13	<0.50

Legend

- Site Boundary
- Groundwater Sampling Location
- Soil Sampling Location
- Soil and Grab Groundwater Sampling Location

SB-22 (4/6/14)	
Constituent	0.5-1.0'
ANT	0.060 J

- Sample Identifier and Date of Sample
- Sample Depth (ft. bgs)
- Concentration in mg/kg
- Chemical Constituent

Yellow shading indicates concentrations above applicable ESLs based on current and future site usage.

Applicable ESLs

Anthracene	2.8
Benzo(a)Anthracene	2.9
Benzo(a)Pyrene	0.29
Benzo(b)Fluoranthene	2.9
Benzo(g,h,i)Perylene	2.5
Benzo(k)Fluoranthene	29
Chrysene	3.8
Indeno(1,2,3-c,d)Pyrene	2.9
2-Methylnaphthalene	0.25
Naphthalene	0.033
Phenanthene	11

J	Lab Qualifier - Estimated Value
ANT	Anthracene
B(a)A	Benzo(a)Anthracene
B(a)P	Benzo(a)Pyrene
B(b)F	Benzo(b)Fluoranthene
B(ghi)P	Benzo(g,h,i)Perylene
B(k)F	Benzo(k)Fluoranthene
CHRY	Chrysene
I(123-c,d)P	Indeno(1,2,3-c,d)Pyrene
2-MN	2-Methylnaphthalene
NAP	Naphthalene
PA	Phenanthene

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N

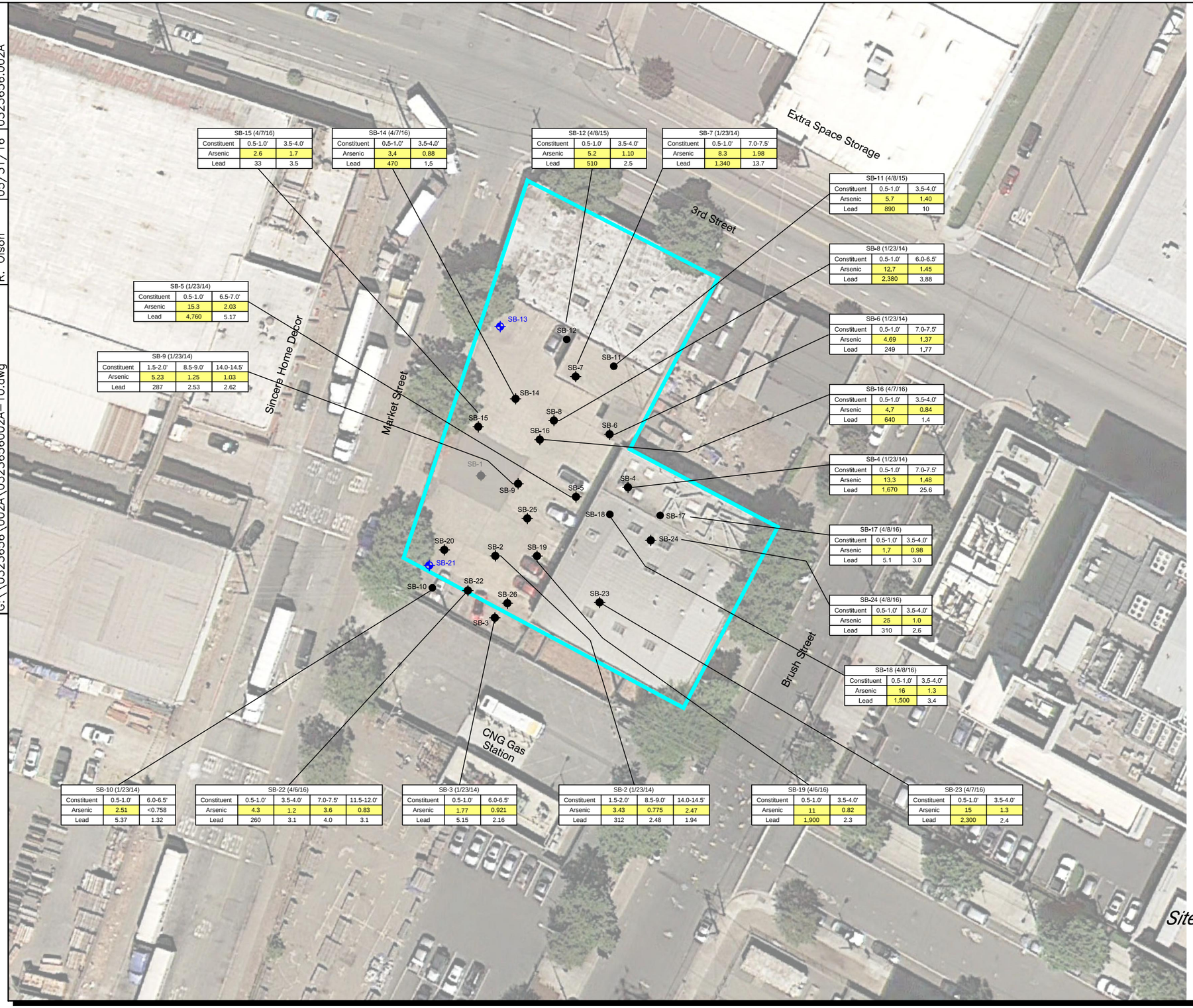
0 50

Approx. Scale (feet)

Figure 4
SVOCs in Soil
Site Characterization Technical Memorandum
205 Brush Street
Oakland, California

ERM 05/16

Project No. 0323656.002A
Date: 05/31/16
Drawn By: R. Olson
CAD File: G:_0323656\002A\0323656002A-10.dwg



SB-15 (4/7/16)		
Constituent	0.5-1.0'	3.5-4.0'
Arsenic	2.6	1.7
Lead	33	3.5

SB-14 (4/7/16)		
Constituent	0.5-1.0'	3.5-4.0'
Arsenic	3.4	0.88
Lead	470	1.5

SB-12 (4/8/15)		
Constituent	0.5-1.0'	3.5-4.0'
Arsenic	5.2	1.10
Lead	510	2.5

SB-7 (1/23/14)		
Constituent	0.5-1.0'	7.0-7.5'
Arsenic	8.3	1.98
Lead	1,340	13.7

SB-11 (4/8/15)		
Constituent	0.5-1.0'	3.5-4.0'
Arsenic	5.7	1.40
Lead	890	10

SB-8 (1/23/14)		
Constituent	0.5-1.0'	6.0-6.5'
Arsenic	12.7	1.45
Lead	2,380	3.88

SB-5 (1/23/14)		
Constituent	0.5-1.0'	6.5-7.0'
Arsenic	15.3	2.03
Lead	4,760	5.17

SB-6 (1/23/14)		
Constituent	0.5-1.0'	7.0-7.5'
Arsenic	4.69	1.37
Lead	249	1,77

SB-9 (1/23/14)			
Constituent	1.5-2.0'	8.5-9.0'	14.0-14.5'
Arsenic	5.23	1.25	1.03
Lead	287	2.53	2.62

SB-16 (4/7/16)		
Constituent	0.5-1.0'	3.5-4.0'
Arsenic	4.7	0.84
Lead	640	1.4

SB-4 (1/23/14)		
Constituent	0.5-1.0'	7.0-7.5'
Arsenic	13.3	1.48
Lead	1,670	25.6

SB-17 (4/8/16)		
Constituent	0.5-1.0'	3.5-4.0'
Arsenic	1.7	0.98
Lead	5.1	3.0

SB-24 (4/8/16)		
Constituent	0.5-1.0'	3.5-4.0'
Arsenic	25	1.0
Lead	310	2.6

SB-18 (4/8/16)		
Constituent	0.5-1.0'	3.5-4.0'
Arsenic	16	1.3
Lead	1,500	3.4

SB-10 (1/23/14)		
Constituent	0.5-1.0'	6.0-6.5'
Arsenic	2.51	<0.758
Lead	5.37	1.32

SB-22 (4/6/16)				
Constituent	0.5-1.0'	3.5-4.0'	7.0-7.5'	11.5-12.0'
Arsenic	4.3	1.2	3.6	0.83
Lead	260	3.1	4.0	3.1

SB-3 (1/23/14)		
Constituent	0.5-1.0'	6.0-6.5'
Arsenic	1.77	0.921
Lead	5.15	2.16

SB-2 (1/23/14)			
Constituent	1.5-2.0'	8.5-9.0'	14.0-14.5'
Arsenic	3.43	0.775	2.47
Lead	312	2.48	1.94

SB-19 (4/6/16)		
Constituent	0.5-1.0'	3.5-4.0'
Arsenic	11	0.82
Lead	1,900	2.3

SB-23 (4/7/16)		
Constituent	0.5-1.0'	3.5-4.0'
Arsenic	15	1.3
Lead	2,300	2.4

Legend

- Site Boundary
- Groundwater Sampling Location
- Soil Sampling Location
- Soil and Grab Groundwater Sampling Location

SB-16 (4/7/14)	
Constituent	0.5-1.0'
Arsenic	4.7

- Sample Identifier and Date of Sample
- Sample Depth (ft. bgs)
- Concentration in mg/kg
- Chemical Constituent

Yellow shading indicates concentrations above applicable ESLs based on current and future site usage.

Applicable ESLs	
Arsenic	0.31
Lead	320

NA Not Available

J Lab Qualifier - Estimated Value

Aerial Photo Source: © 2009 Google Earth Pro Ver 5.0.11733.9347

N

0 50

Approx. Scale (feet)

Figure 5

Metals in Soil

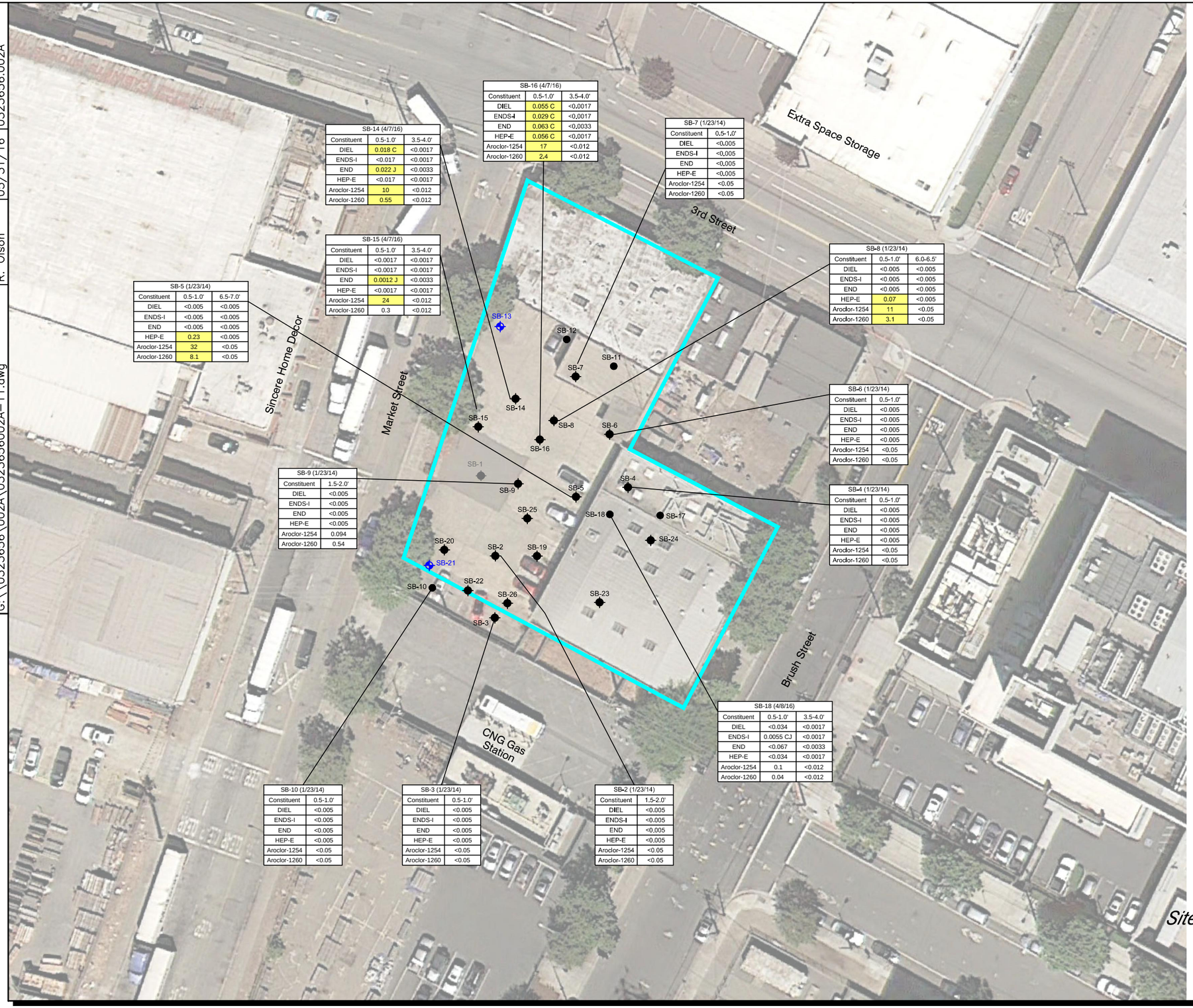
Site Characterization Technical Memorandum

205 Brush Street

Oakland, California

ERM *05/16*

Project No. 0323656.002A
Date: 05/31/16
Drawn By: R. Olson
CAD File: G:\0323656\002A\0323656002A-11.dwg



SB-16 (4/7/16)

Constituent	0.5-1.0'	3.5-4.0'
DIEL	0.055 C	<0.0017
ENDS-I	0.029 C	<0.0017
END	0.063 C	<0.0033
HEP-E	0.056 C	<0.0017
Aroclor-1254	17	<0.012
Aroclor-1260	2.4	<0.012

SB-14 (4/7/16)

Constituent	0.5-1.0'	3.5-4.0'
DIEL	0.018 C	<0.0017
ENDS-I	<0.017	<0.0017
END	0.022 J	<0.0033
HEP-E	<0.017	<0.0017
Aroclor-1254	10	<0.012
Aroclor-1260	0.55	<0.012

SB-7 (1/23/14)

Constituent	0.5-1.0'
DIEL	<0.005
ENDS-I	<0.005
END	<0.005
HEP-E	<0.005
Aroclor-1254	<0.05
Aroclor-1260	<0.05

SB-15 (4/7/16)

Constituent	0.5-1.0'	3.5-4.0'
DIEL	<0.0017	<0.0017
ENDS-I	<0.0017	<0.0017
END	0.0012 J	<0.0033
HEP-E	<0.0017	<0.0017
Aroclor-1254	24	<0.012
Aroclor-1260	0.3	<0.012

SB-8 (1/23/14)

Constituent	0.5-1.0'	6.0-6.5'
DIEL	<0.005	<0.005
ENDS-I	<0.005	<0.005
END	<0.005	<0.005
HEP-E	0.07	<0.005
Aroclor-1254	11	<0.05
Aroclor-1260	3.1	<0.05

SB-5 (1/23/14)

Constituent	0.5-1.0'	6.5-7.0'
DIEL	<0.005	<0.005
ENDS-I	<0.005	<0.005
END	<0.005	<0.005
HEP-E	0.23	<0.005
Aroclor-1254	32	<0.05
Aroclor-1260	8.1	<0.05

SB-6 (1/23/14)

Constituent	0.5-1.0'
DIEL	<0.005
ENDS-I	<0.005
END	<0.005
HEP-E	<0.005
Aroclor-1254	<0.05
Aroclor-1260	<0.05

SB-9 (1/23/14)

Constituent	1.5-2.0'
DIEL	<0.005
ENDS-I	<0.005
END	<0.005
HEP-E	<0.005
Aroclor-1254	0.094
Aroclor-1260	0.54

SB-4 (1/23/14)

Constituent	0.5-1.0'
DIEL	<0.005
ENDS-I	<0.005
END	<0.005
HEP-E	<0.005
Aroclor-1254	<0.05
Aroclor-1260	<0.05

SB-18 (4/8/16)

Constituent	0.5-1.0'	3.5-4.0'
DIEL	<0.034	<0.0017
ENDS-I	0.0055 CJ	<0.0017
END	<0.067	<0.0033
HEP-E	<0.034	<0.0017
Aroclor-1254	0.1	<0.012
Aroclor-1260	0.04	<0.012

SB-10 (1/23/14)

Constituent	0.5-1.0'
DIEL	<0.005
ENDS-I	<0.005
END	<0.005
HEP-E	<0.005
Aroclor-1254	<0.05
Aroclor-1260	<0.05

SB-3 (1/23/14)

Constituent	0.5-1.0'
DIEL	<0.005
ENDS-I	<0.005
END	<0.005
HEP-E	<0.005
Aroclor-1254	<0.05
Aroclor-1260	<0.05

SB-2 (1/23/14)

Constituent	1.5-2.0'
DIEL	<0.005
ENDS-I	<0.005
END	<0.005
HEP-E	<0.005
Aroclor-1254	<0.05
Aroclor-1260	<0.05

Legend

- Site Boundary
- Groundwater Sampling Location
- Soil Sampling Location
- Soil and Grab Groundwater Sampling Location

SB-2 (1/23/14)

Constituent	1.5-2.0'
HEP-E	<0.005

Sample Identifier and Date of Sample
Sample Depth (ft. bgs)
Concentration in mg/kg
Chemical Constituent

Yellow shading indicates concentrations above applicable ESLs based on current and future site usage.

Applicable ESLs

Dieldrin	0.0023
Endosulfan I	0.0046
Endrin	0.00065
HEP-E	0.00042
Aroclor-1254	1.0
Aroclor-1260	1.0

NA	Not Available
C	Lab Qualifier, Presence Confirmed but RPD between columns exceeds 40%
J	Lab Qualifier, Estimated Value
ESL	Environmental Screening Level
DIEL	Dieldrin
ENDS-I	Endosulfan I
END	Endrin
HEP-E	Heptachlor epoxide

Aerial Photo Source: © 2009 Google Earth Pro Ver 5.0.11733.9347

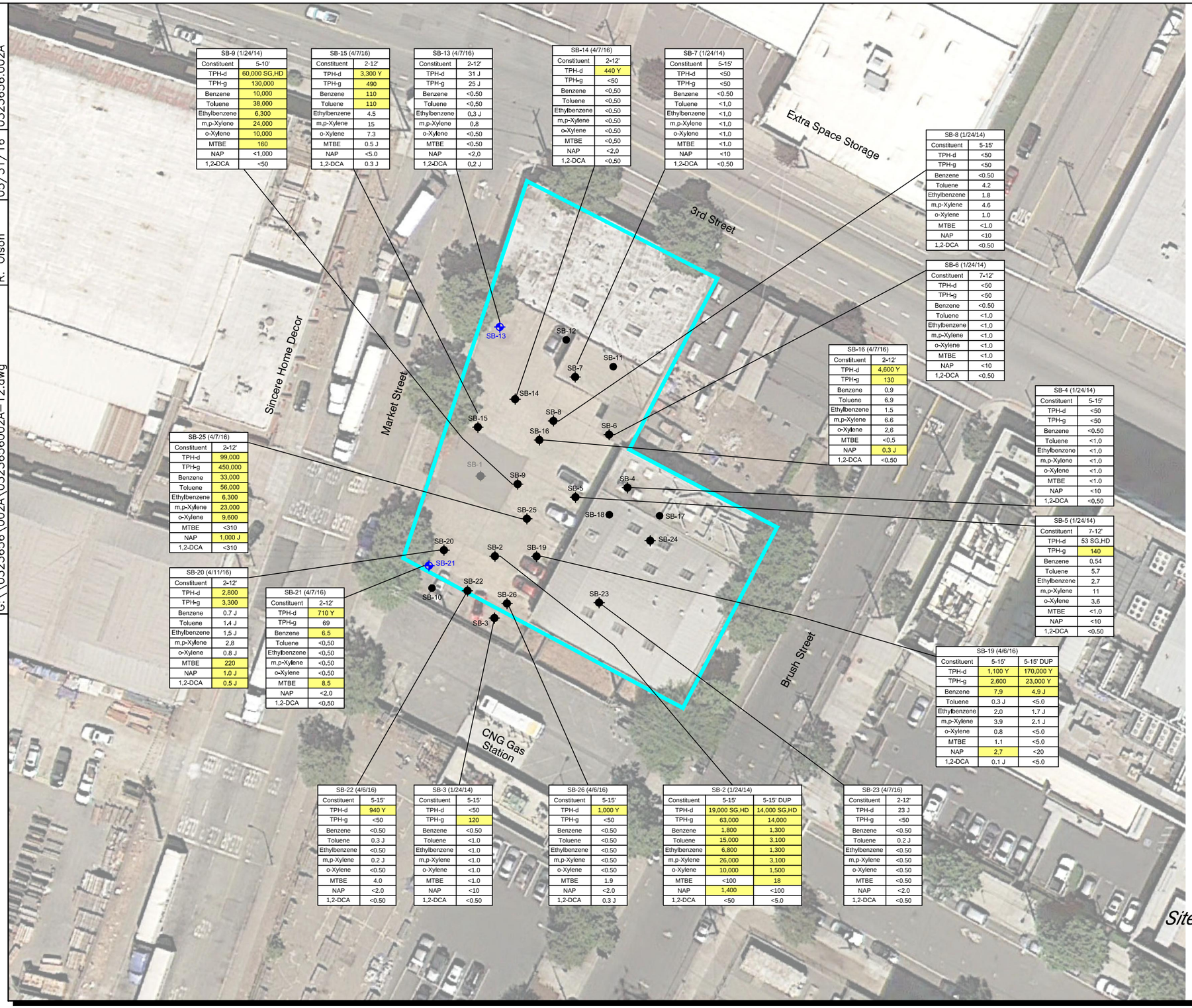
N

0 50

Approx. Scale (feet)

Figure 6
Pesticides and PCBs in Soil
Site Characterization Technical Memorandum
205 Brush Street
Oakland, California
ERM *05/16*

Project No. 0323656.002A
Date: 05/31/16
Drawn By: R. Olson
CAD File: G:\0323656\002A\0323656002A-12.dwg



SB-9 (1/24/14)	
Constituent	5-10'
TPH-d	60,000 SG,HD
TPH-g	130,000
Benzene	10,000
Toluene	38,000
Ethylbenzene	6,300
m,p-Xylene	24,000
o-Xylene	10,000
MTBE	160
NAP	<1,000
1,2-DCA	<50

SB-15 (4/7/16)	
Constituent	2-12'
TPH-d	3,300 Y
TPH-g	490
Benzene	110
Toluene	110
Ethylbenzene	4.5
m,p-Xylene	15
o-Xylene	7.3
MTBE	0.5 J
NAP	<5.0
1,2-DCA	0.3 J

SB-13 (4/7/16)	
Constituent	2-12'
TPH-d	31 J
TPH-g	25 J
Benzene	<0,50
Toluene	<0,50
Ethylbenzene	0,3 J
m,p-Xylene	0,8
o-Xylene	<0,50
MTBE	<0,50
NAP	<2,0
1,2-DCA	0,2 J

SB-14 (4/7/16)	
Constituent	2-12'
TPH-d	440 Y
TPH-g	<50
Benzene	<0,50
Toluene	<0,50
Ethylbenzene	<0,50
m,p-Xylene	<0,50
o-Xylene	<0,50
MTBE	<0,50
NAP	<2,0
1,2-DCA	<0,50

SB-7 (1/24/14)	
Constituent	5-15'
TPH-d	<50
TPH-g	<50
Benzene	<0.50
Toluene	<1,0
Ethylbenzene	<1,0
m,p-Xylene	<1,0
o-Xylene	<1,0
MTBE	<1,0
NAP	<10
1,2-DCA	<0,50

SB-8 (1/24/14)	
Constituent	5-15'
TPH-d	<50
TPH-g	<50
Benzene	<0.50
Toluene	4.2
Ethylbenzene	1.8
m,p-Xylene	4.6
o-Xylene	1.0
MTBE	<1.0
NAP	<10
1,2-DCA	<0.50

SB-6 (1/24/14)	
Constituent	7-12'
TPH-d	<50
TPH-g	<50
Benzene	<0.50
Toluene	<1.0
Ethylbenzene	<1,0
m,p-Xylene	<1,0
o-Xylene	<1,0
MTBE	<1.0
NAP	<10
1,2-DCA	<0.50

SB-16 (4/7/16)	
Constituent	2-12'
TPH-d	4,600 Y
TPH-g	130
Benzene	0.9
Toluene	6.9
Ethylbenzene	1.5
m,p-Xylene	6.6
o-Xylene	2,6
MTBE	<0,5
NAP	0,3 J
1,2-DCA	<0.50

SB-4 (1/24/14)	
Constituent	5-15'
TPH-d	<50
TPH-g	<50
Benzene	<0,50
Toluene	<1.0
Ethylbenzene	<1,0
m,p-Xylene	<1,0
o-Xylene	<1.0
MTBE	<1.0
NAP	<10
1,2-DCA	<0,50

SB-5 (1/24/14)	
Constituent	7-12'
TPH-d	53 SG,HD
TPH-g	140
Benzene	0,54
Toluene	5,7
Ethylbenzene	2,7
m,p-Xylene	11
o-Xylene	3,6
MTBE	<1.0
NAP	<10
1,2-DCA	<0.50

SB-25 (4/7/16)	
Constituent	2-12'
TPH-d	99,000
TPH-g	450,000
Benzene	33,000
Toluene	56,000
Ethylbenzene	6,300
m,p-Xylene	23,000
o-Xylene	9,600
MTBE	<310
NAP	1,000 J
1,2-DCA	<310

SB-20 (4/11/16)	
Constituent	2-12'
TPH-d	2,800
TPH-g	3,300
Benzene	0,7 J
Toluene	1,4 J
Ethylbenzene	1,5 J
m,p-Xylene	2,8
o-Xylene	0,8 J
MTBE	220
NAP	1,0 J
1,2-DCA	0,5 J

SB-21 (4/7/16)	
Constituent	2-12'
TPH-d	710 Y
TPH-g	69
Benzene	6,5
Toluene	<0,50
Ethylbenzene	<0,50
m,p-Xylene	<0,50
o-Xylene	<0,50
MTBE	8,5
NAP	<2,0
1,2-DCA	<0,50

SB-19 (4/6/16)		
Constituent	5-15'	5-15' DUP
TPH-d	1,100 Y	170,000 Y
TPH-g	2,600	23,000 Y
Benzene	7,9	4,9 J
Toluene	0,3 J	<5.0
Ethylbenzene	2,0	1,7 J
m,p-Xylene	3,9	2,1 J
o-Xylene	0.8	<5.0
MTBE	1.1	<5.0
NAP	2,7	<20
1,2-DCA	0.1 J	<5.0

SB-22 (4/6/16)	
Constituent	5-15'
TPH-d	940 Y
TPH-g	<50
Benzene	<0.50
Toluene	0.3 J
Ethylbenzene	<0.50
m,p-Xylene	0.2 J
o-Xylene	<0.50
MTBE	4.0
NAP	<2.0
1,2-DCA	<0.50

SB-3 (1/24/14)	
Constituent	5-15'
TPH-d	<50
TPH-g	120
Benzene	<0.50
Toluene	<1.0
Ethylbenzene	<1.0
m,p-Xylene	<1.0
o-Xylene	<1.0
MTBE	<1.0
NAP	<10
1,2-DCA	<0.50

SB-26 (4/6/16)	
Constituent	5-15'
TPH-d	1,000 Y
TPH-g	<50
Benzene	<0.50
Toluene	<0.50
Ethylbenzene	<0.50
m,p-Xylene	<0.50
o-Xylene	<0.50
MTBE	1.9
NAP	<2.0
1,2-DCA	0.3 J

SB-2 (1/24/14)		
Constituent	5-15'	5-15' DUP
TPH-d	19,000 SG,HD	14,000 SG,HD
TPH-g	63,000	14,000
Benzene	1,800	1,300
Toluene	15,000	3,100
Ethylbenzene	6,800	1,300
m,p-Xylene	26,000	3,100
o-Xylene	10,000	1,500
MTBE	<100	18
NAP	1,400	<100
1,2-DCA	<50	<5.0

SB-23 (4/7/16)	
Constituent	2-12'
TPH-d	23 J
TPH-g	<50
Benzene	<0.50
Toluene	0.2 J
Ethylbenzene	<0.50
m,p-Xylene	<0.50
o-Xylene	<0.50
MTBE	<0.50
NAP	<2.0
1,2-DCA	<0.50

Legend

- Site Boundary
- Groundwater Sampling Location
- Soil Sampling Location
- Soil and Grab Groundwater Sampling Location

SB-16 (4/7/16)	
Constituent	2-12'
Benzene	0.9

Sample Identifier and Date of Sample
Sample Screen Interval (ft. bgs)
Concentration in µg/L
Chemical Constituent

Yellow shading indicates concentrations above Tier 1 ESLs.

Tier 1 ESLs	
TPH-d	100
TPH-g	100
Benzene	1.0
Toluene	40
Ethylbenzene	13
m,p-Xylenes	20
o-Xylene	20
MTBE	5.0
NAP	0.17
1,2-DCA	0.5

NA Not Available

HD Chromatographic Pattern was Inconsistent with Profile of Reference Fuel Standard

SG Sample Extract was Subjected to Silica Gel Treatment Prior to Analysis

J Lab Qualifier - Estimated Value

Y Lab Qualifier - Estimated Value, Chromatogram did not Resemble Standard Hydrocarbon Pattern

TPH-g Total Petroleum Hydrocarbons as Gasoline

TPH-d Total Petroleum Hydrocarbons as Diesel

TPH-mo Total Petroleum Hydrocarbons as Motor Oil

MTBE Methyl Tert-butyl Ether

NAP Naphthalene

1,2-DCA 1,2-Dichloroethane

ESL Environmental Screening Level

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N

0 50

Approx. Scale (feet)

Figure 7

TPH and VOCs in Groundwater
Site Characterization Technical Memorandum
205 Brush Street
Oakland, California

ERM 05/16

Project No. 0323656.002A
Date: 05/31/16
Drawn By: R. Olson
CAD File: G:\0323656\002A\0323656002A-13.dwg

SB-9 (1/24/14)	
Constituent	5-10'
ANT	<49
B(a)A	<49
B(a)p	<49
B(k)F	<49
CHRY	<49
FA	<49
2-MN	180
NAP	550
PA	<49
Phen	<49
PYR	<49

SB-15 (4/7/16)	
Constituent	2-12'
ANT	<29
B(a)A	<29
B(a)p	<29
B(k)F	<29
CHRY	<29
FA	<29
2-MN	<29
NAP	<29
PA	<29
Phen	<29
PYR	<29

SB-13 (4/7/16)	
Constituent	2-12'
ANT	<9.4
B(a)A	<9.4
B(a)p	<9.4
B(k)F	<9.4
CHRY	<9.4
FA	<9.4
2-MN	<9.4
NAP	<9.4
PA	<9.4
Phen	<9.4
PYR	<9.4

SB-14 (4/7/16)	
Constituent	2-12'
ANT	<9.4
B(a)A	<9.4
B(a)p	<9.4
B(k)F	<9.4
CHRY	<9.4
FA	<9.4
2-MN	<9.4
NAP	<9.4
PA	<9.4
Phen	<9.4
PYR	<9.4

SB-7 (1/24/14)	
Constituent	5-15'
ANT	<9.8
B(a)A	<9.8
B(a)p	<9.8
B(k)F	<9.8
CHRY	<9.8
FA	<9.8
2-MN	<9.8
NAP	<9.8
PA	<9.8
Phen	<9.8
PYR	<9.8

SB-8 (1/24/14)	
Constituent	5-15'
ANT	<9.7
B(a)A	<9.7
B(a)p	<9.7
B(k)F	<9.7
CHRY	<9.7
FA	<9.7
2-MN	<9.7
NAP	<9.7
PA	<9.7
Phen	<9.7
PYR	<9.7

SB-6 (1/24/14)	
Constituent	7-12'
ANT	<9.9
B(a)A	<9.9
B(a)p	<9.9
B(k)F	<9.9
CHRY	<9.9
FA	<9.9
2-MN	<9.9
NAP	<9.9
PA	<9.9
Phen	<9.9
PYR	<9.9

SB-16 (4/7/16)	
Constituent	2-12'
ANT	<28
B(a)A	<28
B(a)p	<28
B(k)F	<28
CHRY	<28
FA	<28
2-MN	<28
NAP	<28
PA	<28
Phen	<28
PYR	<28

SB-4 (1/24/14)	
Constituent	5-15'
ANT	<9.5
B(a)A	<9.5
B(a)p	<9.5
B(k)F	<9.5
CHRY	<9.5
FA	<9.5
2-MN	<9.5
NAP	<9.5
PA	<9.5
Phen	<9.5
PYR	<9.5

SB-5 (1/24/14)	
Constituent	7-12'
ANT	<9.8
B(a)A	<9.8
B(a)p	<9.8
B(k)F	<9.8
CHRY	<9.8
FA	<9.8
2-MN	<9.8
NAP	<9.8
PA	<9.8
Phen	<9.8
PYR	<9.8

SB-25 (4/7/16)	
Constituent	2-12'
ANT	<370
B(a)A	<370
B(a)p	<370
B(k)F	<370
CHRY	<370
FA	<370
2-MN	180 J
NAP	500
PA	73 J
Phen	<370
PYR	<370

SB-20 (4/11/16)	
Constituent	2-12'
ANT	<19
B(a)A	<19
B(a)p	<19
B(k)F	<19
CHRY	<19
FA	<19
2-MN	26
NAP	<19
PA	<19
Phen	<19
PYR	<19

SB-21 (4/7/16)	
Constituent	2-12'
ANT	<20
B(a)A	<20
B(a)p	<20
B(k)F	<20
CHRY	<20
FA	<20
2-MN	<20
NAP	<20
PA	<20
Phen	7.7 J
PYR	<20

SB-19 (4/6/16)		
Constituent	5-15'	5-15' DUP
ANT	<310	<100
B(a)A	<310	<100
B(a)p	<310	<100
B(k)F	<310	<100
CHRY	<310	<100
FA	<310	<100
2-MN	<310	<100
NAP	<310	<100
PA	<310	<100
Phen	<310	<100
PYR	<310	<100

SB-22 (4/6/16)	
Constituent	5-15'
ANT	<9.8
B(a)A	<9.8
B(a)p	<9.8
B(k)F	<9.8
CHRY	<9.8
FA	<9.8
2-MN	<9.8
NAP	<9.8
PA	<9.8
Phen	<9.8
PYR	<9.8

SB-3 (1/24/14)	
Constituent	5-15'
ANT	<9.9
B(a)A	<9.9
B(a)p	<9.9
B(k)F	<9.9
CHRY	<9.9
FA	<9.9
2-MN	<9.9
NAP	<9.9
PA	<9.9
Phen	<9.9
PYR	<9.9

SB-26 (4/6/16)	
Constituent	5-15'
ANT	<9.6
B(a)A	<9.6
B(a)p	<9.6
B(k)F	<9.6
CHRY	<9.6
FA	<9.6
2-MN	<9.6
NAP	<9.6
PA	<9.6
Phen	<9.6
PYR	<9.6

SB-2 (1/24/14)		
Constituent	5-15'	5-15' DUP
ANT	120	<9.6
B(a)A	170	<9.6
B(a)p	100	<9.6
B(k)F	98	<9.6
CHRY	140	<9.6
FA	460	<9.6
2-MN	390	19
NAP	780	59
PA	520	12
Phen	<97	18
PYR	430	18

SB-23 (4/7/16)	
Constituent	2-12'
ANT	<10
B(a)A	<10
B(a)p	<10
B(k)F	<10
CHRY	<10
FA	<10
2-MN	<10
NAP	<10
PA	<10
Phen	<10
PYR	<10

Extra Space Storage
3rd Street
Sincere Home Decor
Market Street
Brush Street
CNG Gas Station
SB-1
SB-2
SB-3
SB-4
SB-5
SB-6
SB-7
SB-8
SB-9
SB-10
SB-11
SB-12
SB-13
SB-14
SB-15
SB-16
SB-17
SB-18
SB-19
SB-20
SB-21
SB-22
SB-23
SB-24
SB-25
SB-26

Legend

- Site Boundary
- Groundwater Sampling Location
- Soil Sampling Location
- Soil and Grab Groundwater Sampling Location

SB-16 (4/7/16)	
Constituent	2-12'
ANT	<28

Sample Identifier and Date of Sample
Sample Screen Interval (ft. bgs)
Concentration in µg/L
Chemical Constituent

Yellow shading indicates concentrations above Tier 1 ESLs.

Tier 1 ESLs

Anthracene	0.73
Benzo(a)Anthracene	0.027
Benzo(a)Pyrene	0.014
Benzo(b)Fluoranthene	0.017
Benzo(g,h,i)Perylene	0.049
Benzo(k)Fluoranthene	8.0
Chrysene	2.1
Indeno(1,2,3-c,d)Pyrene	0.17
2-Methylnaphthalene	4.6
Naphthalene	5.0
Phenanthene	2.0

J	Lab Qualifier - Estimated Value
ANT	Anthracene
B(a)A	Benzo(a)Anthracene
B(a)P	Benzo(a)Pyrene
B(k)F	Benzo(k)Fluoranthene
CHRY	Chrysene
FA	Fluoranthene
2-MN	2-Methylnaphthalene
NAP	Naphthalene
PA	Phenanthene
Phen	Phenol
PYR	Pyrene

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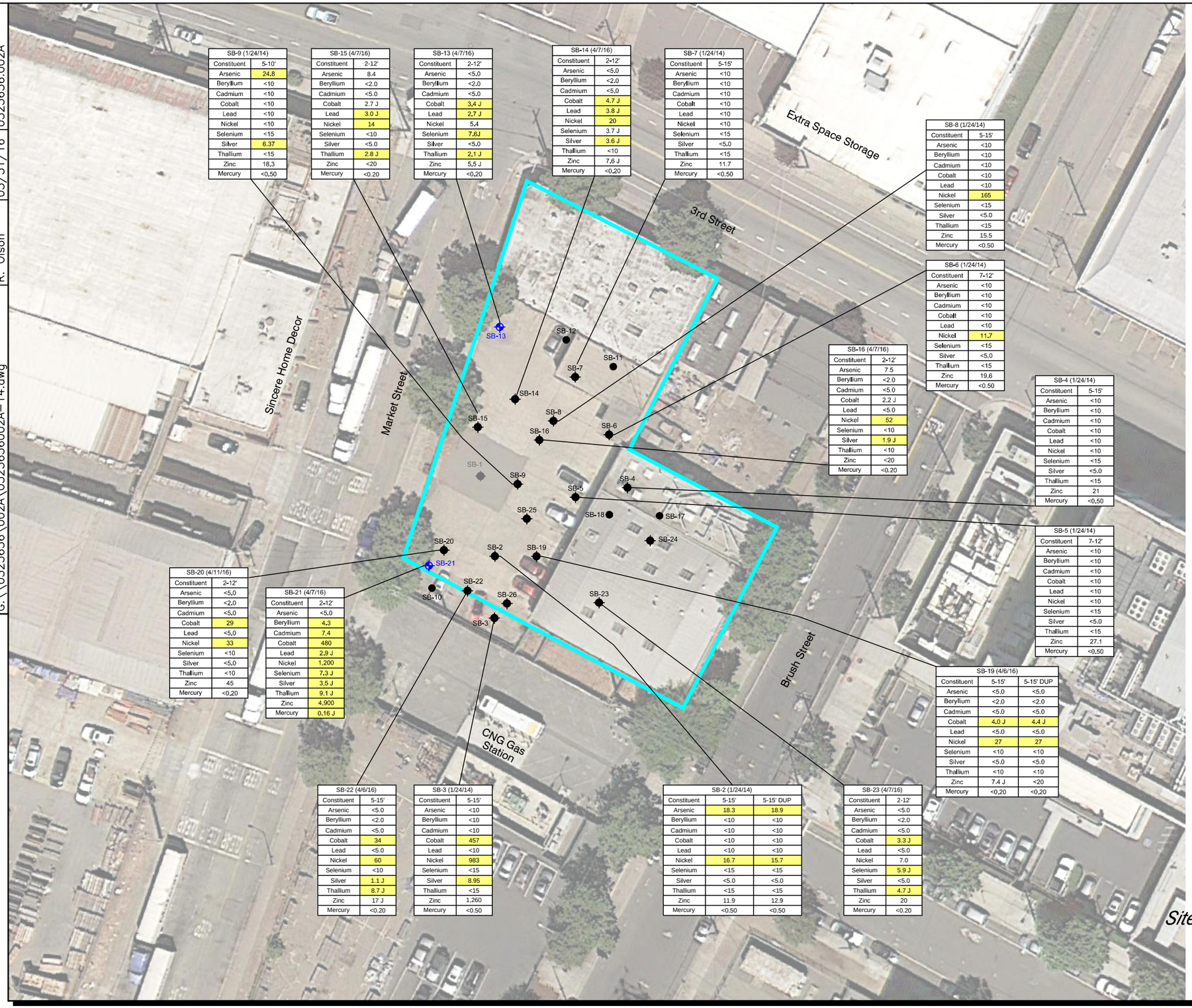
N

0 50
Approx. Scale (feet)

Figure 8
SVOCs in Groundwater
Site Characterization Technical Memorandum
205 Brush Street
Oakland, California

ERM 05/16

Project No. 0323656.002A
Date: 05/31/16
Drawn By: R. Olson
CAD File: G:\0323656\002A\0323656002A-14.dwg



SB-9 (1/24/14)	
Constituent	5-10'
Arsenic	24.8
Beryllium	<10
Cadmium	<10
Cobalt	<10
Lead	<10
Nickel	<10
Selenium	<15
Silver	6.37
Thallium	<15
Zinc	18.3
Mercury	<0.50

SB-15 (4/7/16)	
Constituent	2-12'
Arsenic	8.4
Beryllium	<2.0
Cadmium	<5.0
Cobalt	2.7 J
Lead	3.0 J
Nickel	14
Selenium	<10
Silver	<5.0
Thallium	2.8 J
Zinc	<20
Mercury	<0.20

SB-13 (4/7/16)	
Constituent	2-12'
Arsenic	<5.0
Beryllium	<2.0
Cadmium	<5.0
Cobalt	3.4 J
Lead	2.7 J
Nickel	5.4
Selenium	7.6J
Silver	<5.0
Thallium	2.1 J
Zinc	5.5 J
Mercury	<0.20

SB-14 (4/7/16)	
Constituent	2-12'
Arsenic	<5.0
Beryllium	<2.0
Cadmium	<5.0
Cobalt	4.7 J
Lead	3.8 J
Nickel	20
Selenium	3.7 J
Silver	3.6 J
Thallium	<10
Zinc	7.6 J
Mercury	<0.20

SB-7 (1/24/14)	
Constituent	5-15'
Arsenic	<10
Beryllium	<10
Cadmium	<10
Cobalt	<10
Lead	<10
Nickel	<10
Selenium	<15
Silver	<5.0
Thallium	<15
Zinc	11.7
Mercury	<0.50

SB-8 (1/24/14)	
Constituent	5-15'
Arsenic	<10
Beryllium	<10
Cadmium	<10
Cobalt	<10
Lead	<10
Nickel	165
Selenium	<15
Silver	<5.0
Thallium	<15
Zinc	15.5
Mercury	<0.50

SB-6 (1/24/14)	
Constituent	7-12'
Arsenic	<10
Beryllium	<10
Cadmium	<10
Cobalt	<10
Lead	<10
Nickel	11.7
Selenium	<15
Silver	<5.0
Thallium	<15
Zinc	19.6
Mercury	<0.50

SB-16 (4/7/16)	
Constituent	2-12'
Arsenic	7.5
Beryllium	<2.0
Cadmium	<5.0
Cobalt	2.2 J
Lead	<5.0
Nickel	52
Selenium	<10
Silver	1.9 J
Thallium	<10
Zinc	<20
Mercury	<0.20

SB-4 (1/24/14)	
Constituent	5-15'
Arsenic	<10
Beryllium	<10
Cadmium	<10
Cobalt	<10
Lead	<10
Nickel	<10
Selenium	<15
Silver	<5.0
Thallium	<15
Zinc	21
Mercury	<0.50

SB-5 (1/24/14)	
Constituent	7-12'
Arsenic	<10
Beryllium	<10
Cadmium	<10
Cobalt	<10
Lead	<10
Nickel	<10
Selenium	<15
Silver	<5.0
Thallium	<15
Zinc	27.1
Mercury	<0.50

SB-20 (4/11/16)	
Constituent	2-12'
Arsenic	<5.0
Beryllium	<2.0
Cadmium	<5.0
Cobalt	29
Lead	<5.0
Nickel	33
Selenium	<10
Silver	<5.0
Thallium	<10
Zinc	45
Mercury	<0.20

SB-21 (4/7/16)	
Constituent	2-12'
Arsenic	<5.0
Beryllium	4.3
Cadmium	7.4
Cobalt	480
Lead	2.9 J
Nickel	1,200
Selenium	7.3 J
Silver	3.5 J
Thallium	9.1 J
Zinc	4,900
Mercury	0.16 J

SB-19 (4/6/16)		
Constituent	5-15'	5-15' DUP
Arsenic	<5.0	<5.0
Beryllium	<2.0	<2.0
Cadmium	<5.0	<5.0
Cobalt	4.0 J	4.4 J
Lead	<5.0	<5.0
Nickel	27	27
Selenium	<10	<10
Silver	<5.0	<5.0
Thallium	<10	<10
Zinc	7.4 J	<20
Mercury	<0.20	<0.20

SB-22 (4/6/16)	
Constituent	5-15'
Arsenic	<5.0
Beryllium	<2.0
Cadmium	<5.0
Cobalt	34
Lead	<5.0
Nickel	60
Selenium	<10
Silver	1.1 J
Thallium	8.7 J
Zinc	17 J
Mercury	<0.20

SB-3 (1/24/14)	
Constituent	5-15'
Arsenic	<10
Beryllium	<10
Cadmium	<10
Cobalt	457
Lead	<10
Nickel	983
Selenium	<15
Silver	8.95
Thallium	<15
Zinc	1,260
Mercury	<0.50

SB-2 (1/24/14)		
Constituent	5-15'	5-15' DUP
Arsenic	18.3	18.9
Beryllium	<10	<10
Cadmium	<10	<10
Cobalt	<10	<10
Lead	<10	<10
Nickel	16.7	15.7
Selenium	<15	<15
Silver	<5.0	<5.0
Thallium	<15	<15
Zinc	11.9	12.9
Mercury	<0.50	<0.50

SB-23 (4/7/16)	
Constituent	2-12'
Arsenic	<5.0
Beryllium	<2.0
Cadmium	<5.0
Cobalt	3.3 J
Lead	<5.0
Nickel	7.0
Selenium	5.9 J
Silver	<5.0
Thallium	4.7 J
Zinc	20
Mercury	<0.20

Legend

- Site Boundary
- Groundwater Sampling Location
- Soil Sampling Location
- Soil and Grab Groundwater Sampling Location

SB-16 (4/7/16)	
Constituent	2-12'
Arsenic	7.5

Sample Identifier and Date of Sample
Sample Screen Interval (ft. bgs)
Concentration in µg/L
Chemical Constituent

Yellow shading indicates concentrations above Tier 1 ESLs.

Tier 1 ESLs

Arsenic	10
Beryllium	2.7
Cadmium	0.25
Cobalt	3.0
Lead	2.5
Nickel	8.2
Selenium	5.0
Silver	0.19
Thallium	2.0
Zinc	81
Mercury	0.051

J Lab Qualifier - Estimated Value

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N

0 50

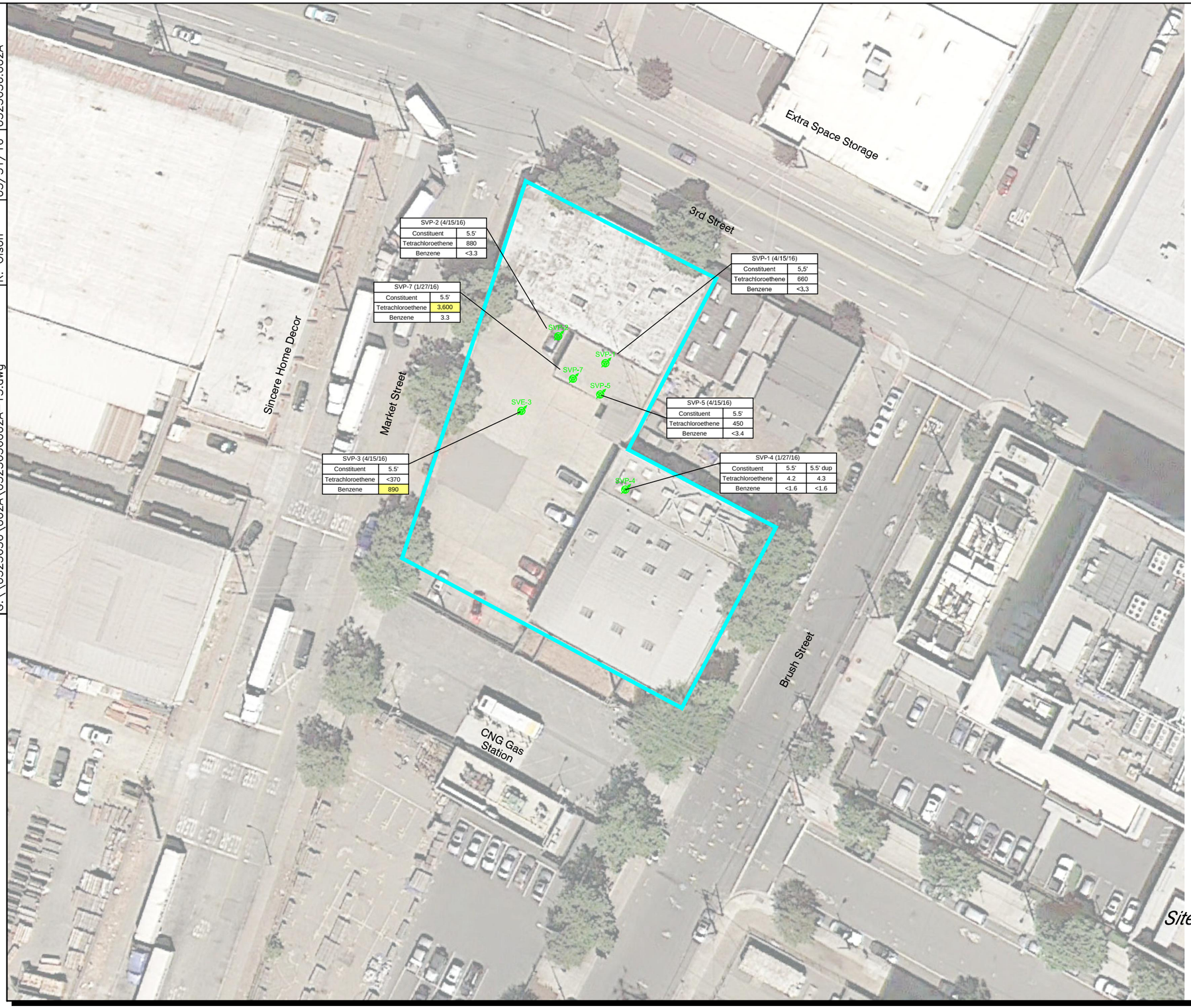
Approx. Scale (feet)

Figure 9

Metals in Groundwater
Site Characterization Technical Memorandum
205 Brush Street
Oakland, California

ERM *05/16*

Project No. 0323656.002A
Date: 05/31/16
Drawn By: R. Olson
CAD File: G:\0323656\002A\0323656002A-15.dwg



Legend

- Site Boundary
- Soil Vapor Point

SV-4 (1/27/14)	
Constituent	5.5'
Tetrachloroethene	4.2

- Sample Identifier and Date of Sample
- Sample Depth (ft. bgs)
- Concentration in $\mu g/m^3$
- Chemical Constituent

Yellow shading indicates concentrations above Commercial/Industrial Direct Exposure ESL.

Applicable ESLs
Tetrachloroethene 2,100
Benzene 420

Aerial Photo Source: © 2009 Google Earth Pro Ver 5.0.11733.9347

N

0 50
Approx. Scale (feet)

Figure 10
Volatile Organic Componds in Soil Vapor
Site Characterization Technical Memorandum
205 Brush Street
Oakland, California
ERM 05/16

Project No. 0323656.002A

Date: 05/31/16

Drawn By: R. Olson

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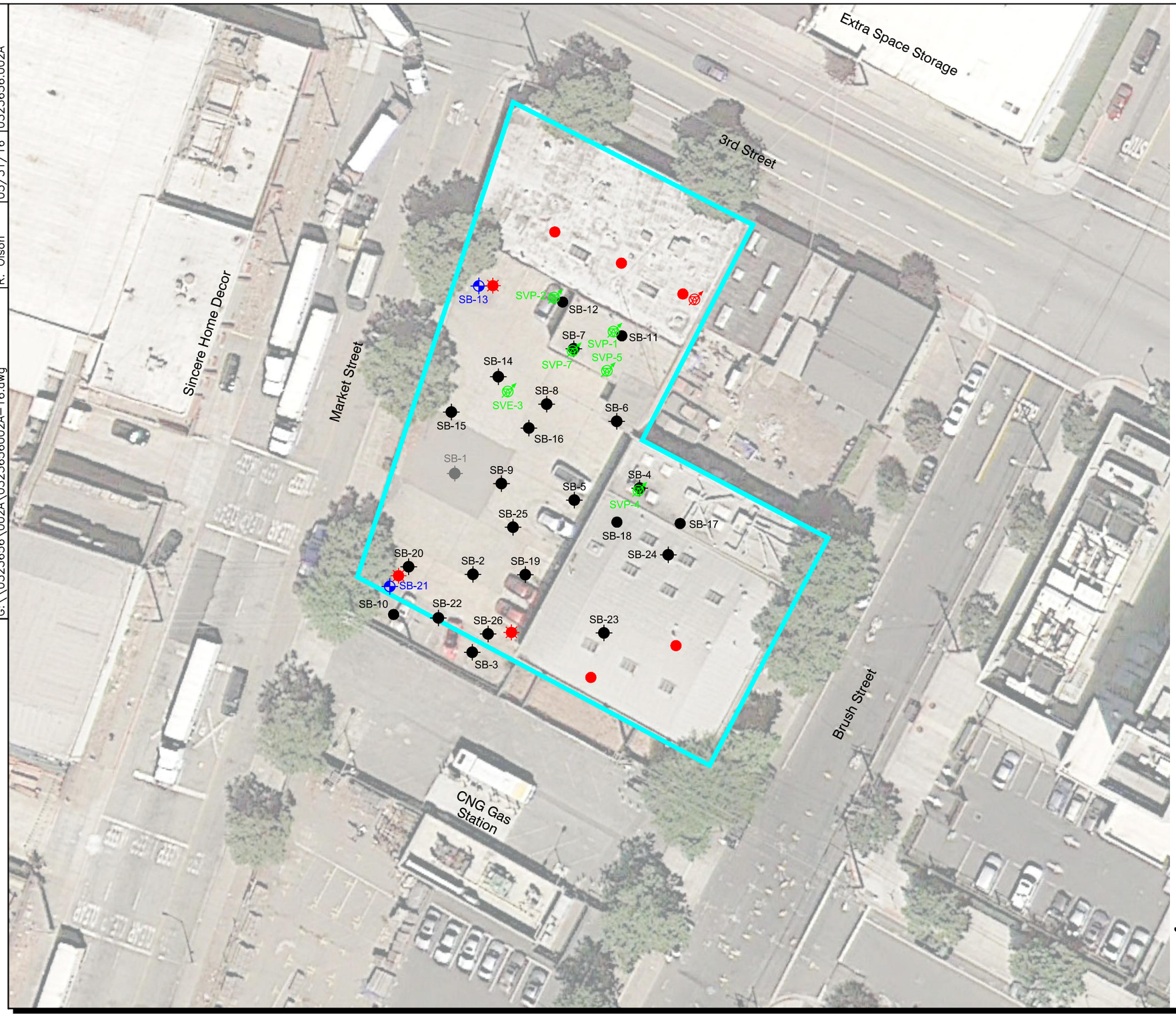

Legend

- Proposed Soil Vapor Point Location
- Proposed Soil Sampling Location
- Proposed Phase 2 CPT Location
- Groundwater Sampling Location
- Soil Sampling Location
- Soil and Grab Groundwater Sampling Location
- Soil Vapor Point
- Site Boundary

Aerial Photo Source: © 2009 Google Earth Pro Ver 5.0.11733.9347

N

0 40

Approx. Scale (feet)

Figure 11

Proposed Sampling Location Map

Site Characterization Technical Memorandum

205 Brush Street

Oakland, California

ERM *05/16*