Jurek, Anne, Env. Health

From: Ian Sutherland <isutherland@accenv.com>
Sent: Tuesday, November 29, 2016 12:57 PM
To: Jurek, Anne, Env. Health
Cc: amunoz@midpen-housing.org; aujimori@midpen-housing.org
Subject: Re: ACEH Correspondence RO3179
Attachments: Figure 2 - Historic Soil Boring Locations (Closeup of Former Gasoline Service Station)_ 1625 Chestnut Steet_Livermore.pdf; TABLE 3 (REV 11.29.16) - Soil Analytical Results Summary (TPH, VOCs & OCPs).xls.pdf; TABLE 4 (11.29.16) - Soil Analytical Results Summary (PAHs & Metals).xls.pdf

Good afternoon Anne,

Hope you had a nice Thanksgiving. I just have a couple questions regarding the draft work plan for 1625 Chestnut Street. The October 24, 2016 ACEH letter requesting a draft work plan notes that samples collected from 0-5 ft bgs were not analyzed for naphthalene. Please see the attached Table 4 indicating that URS samples between 0 and 5 ft bgs in the vicinity of the former gas station were analyzed for naphthalene and other PNAs. I additionally attached the updated Table 3, which has been revised to show the correct reporting limits for MBTEX. ACC's opinion is that the 0 to 5 ft bgs range in the vicinity of the former gasoline service station has been sufficiently characterized for TPH-g/-d/-mo, MBTEX and PNAs. Based on available data, URS did not use silica gel cleanup for TPH analyses, so we already have conservative TPH concentrations. In an effort to lessen analytical costs we respectfully request that ACEH consider whether additional characterization is required in the 0 to 5 ft bgs range in the area of the former gasoline service station.

ACC agrees that additional sampling from 5 to 10 ft bgs at the location of the former gasoline service station is warranted. In an effort to minimize analytical costs, would it be acceptable to analyze all TPH samples (including other areas of the Site) without silica gel cleanup and half of those with silica gel cleanup (or vice versa)?

The ACEH letter requests that a soil vapor sample be collected at the base of the proposed elevator shaft as well as at locations where BTEX was detected in soil and groundwater. Although minor concentrations of BTEX were detected in soil vapor, BTEX has not been detected in soil or groundwater at the site. At this point it looks like we'd be collecting only one soil vapor sample at the base of the elevator shaft. Are any soil vapor sample duplicates warranted for one sample? Is that a location where we'd want to consider multiple depths?

Thank you for your assistance, we appreciate your feedback.

Ian Sutherland, PG
Project Manager
ACC Environmental Consultants
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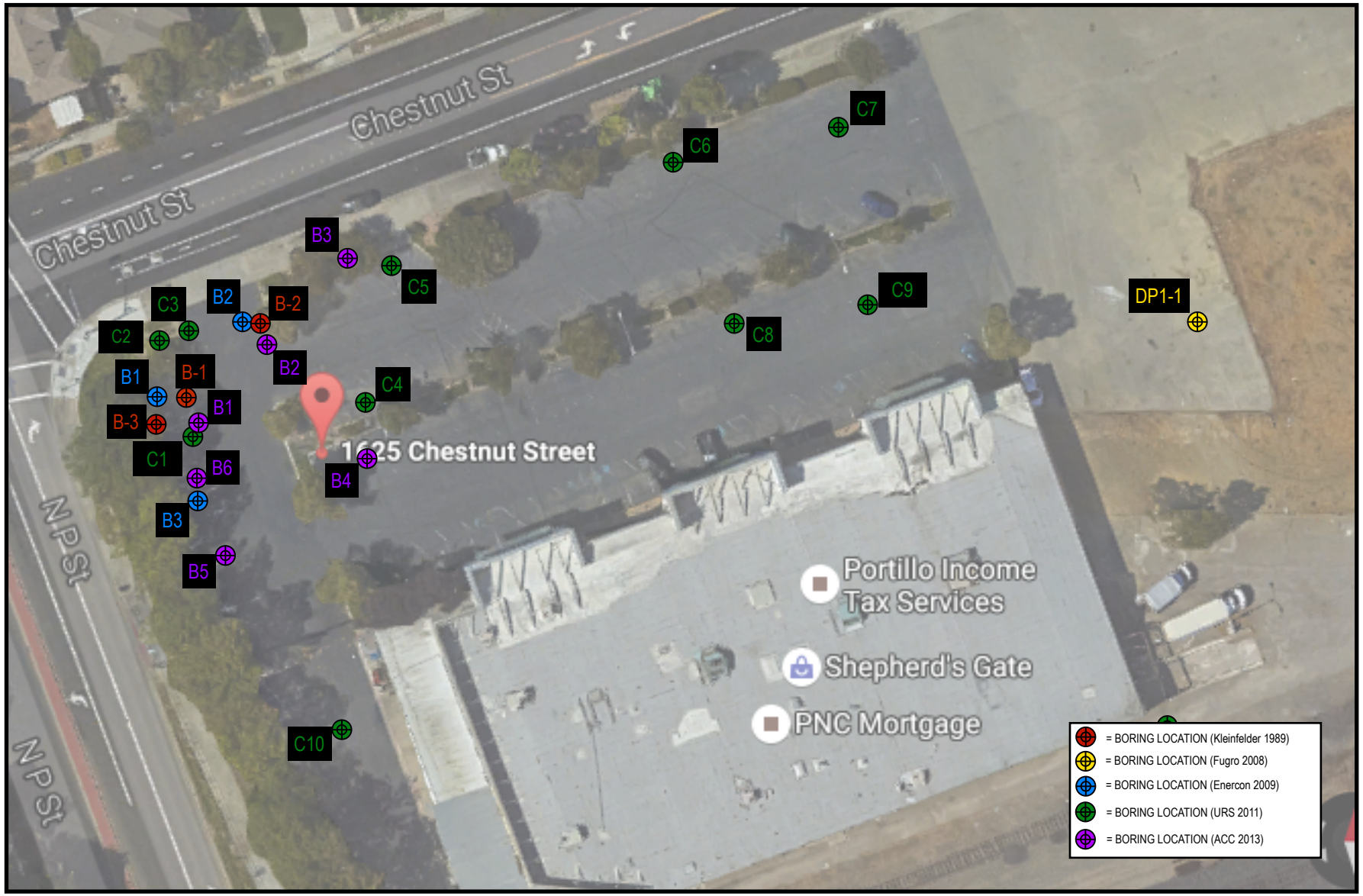
On Tue, Oct 25, 2016 at 8:28 AM, dehloptoxic, Env. Health <deh.loptoxic@acgov.org> wrote:

> Dear Interested Parties,
>
> Attached is Alameda County Environmental Health's (ACEH) correspondence for your case, RO0003179
>
> Please add our email address to your book to prevent future e-mails from being filtered as spam.
>
> Sincerely,
>
> ACEH



A·C·C ENVIRONMENTAL CONSULTANTS
An Employee Owned Company

SITE MAP WITH
HISTORIC SAMPLING LOCATIONS
FORMER SERVICE STATION
1625 CHESTNUT STREET
LIVERMORE, CALIFORNIA

N
W E
S

APPROXIMATE SCALE (FEET)
0 50 100

PROJECT: 6988-003.02

9.1.16

FIGURE 2

ALL DIMENSIONS & LOCATIONS APPROXIMATED

TABLE 3 (REV 11.29.16)
Soil Analytical Results Summary (TPH, VOCs & OCPs)
1625 Chestnut Street, Livermore, CA
ACC Project Number: 6988-003.02

Company	Sample Date	Sample ID	Chemical Compound & Concentrations (mg/kg)												
			TPH-g	TPH-d	TPH-mo	MTBE	Benzene	Toluene	Ethylbenzene	Total Xylenes	Acetone	Naphthalene	Tetrachloroethene	Other VOCs	OCPs
Fugro West, Inc.	12.4.07	**DP1-1 @ 0'**	--	--	--	<0.0049	<0.0049	<0.0049	<0.0049	<0.0098	<0.049	<0.0098	<0.0049	ND	--
		DP1-1 @ 2'	--	--	--	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.50	<0.010	<0.0050	ND	--
		DP1-1 @ 7.5'	--	--	--	<0.0048	<0.0048	<0.0048	<0.0048	<0.0097	<0.048	<0.0097	<0.0048	ND	--
		DP1-2 @ 0'	--	--	--	<0.0048	<0.0048	<0.0048	<0.0048	<0.0097	<0.048	<0.0097	<0.0048	ND	--
		DP1-2 @ 2'	--	--	--	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.50	<0.010	<0.0050	ND	--
		DP1-2 @ 7.5'	--	--	--	<0.0049	<0.0049	<0.0049	<0.0049	<0.0098	<0.049	<0.0098	<0.0049	ND	--
		DP1-3 @ 0'	--	--	--	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.50	<0.010	<0.0050	ND	--
		DP1-3 @ 2'	--	--	--	<0.0048	<0.0048	<0.0048	<0.0048	<0.0097	<0.048	<0.0097	<0.0048	ND	--
		DP1-3 @ 7.5'	--	--	--	<0.0049	<0.0049	<0.0049	<0.0049	<0.0098	<0.049	<0.0098	<0.0049	ND	--
		DP1-4 @ 0'	--	--	--	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.50	<0.010	<0.0050	ND	--
		DP1-4 @ 2'	--	--	--	<0.0048	<0.0048	<0.0048	<0.0048	<0.0097	<0.048	<0.0097	<0.0048	ND	--
		DP1-4 @ 7.5'	--	--	--	<0.0049	<0.0049	<0.0049	<0.0049	<0.0098	<0.049	<0.0098	<0.0049	ND	--
		DP1-5 @ 0'	--	--	--	<0.0049	<0.0049	<0.0049	<0.0049	<0.0098	<0.049	<0.0098	<0.0049	ND	--
		DP1-5 @ 2'	--	--	--	<0.0049	<0.0049	<0.0049	<0.0049	<0.0098	<0.049	<0.0098	<0.0049	ND	--
		DP1-5 @ 7.5'	--	--	--	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.50	<0.010	<0.0050	ND	--
		DP1-6 @ 0'	--	--	--	<0.0049	<0.0049	<0.0049	<0.0049	<0.0098	<0.049	<0.0098	<0.0049	ND	--
		DP1-6 @ 2'	--	--	--	<0.0048	<0.0048	<0.0048	<0.0048	<0.0097	<0.048	<0.0097	<0.0048	ND	--
		DP1-6 @ 7.5'	--	--	--	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.050	<0.010	<0.0050	ND	--
Enercon Services, Inc.	8.18.09	**B-1-15'**	<10	<10	<10	--	<0.0050	<0.0050	<0.0050	<0.010	--	--	--	--	--
		B-1-49'	<10	<10	<10	--	<0.0050	<0.0050	<0.0050	<0.010	--	--	--	--	--
		B-2-15'	<10	<10	<10	--	<0.0050	<0.0050	<0.0050	<0.010	--	--	--	--	--
		B-2-35'	<10	<10	<10	--	<0.0050	<0.0050	<0.0050	<0.010	--	--	--	--	--
		B-3-15'	<10	<10	<10	--	<0.0050	<0.0050	<0.0050	<0.010	--	--	--	--	--
		B-3-49.25'	<10	<10	<10	--	<0.0050	<0.0050	<0.0050	<0.010	--	--	--	--	--
URS Corporation	2.17.11	**C1-2**	<0.26	**7.9**	<49	--	<0.0051	<0.0051	<0.0051	<0.010	--	--	--	--	--
		C1-5	<0.23	**100**	**570**	--	<0.0046	<0.0046	<0.0046	<0.0091	--	--	--	--	--
		C2-2	<0.22	**27**	**150**	--	<0.0043	<0.0043	<0.0043	<0.0087	--	--	--	--	--
		C2-5	<0.20	<0.99	<49	--	<0.0041	<0.0041	<0.0041	<0.0082	--	--	--	--	--
		C2-5 DUP	<0.21	**32**	**210**	--	<0.0041	<0.0041	<0.0041	<0.0082	--	--	--	--	--
		C2-20	<0.24	<0.99	<50	--	<0.0049	<0.0049	<0.0049	<0.0097	--	--	--	--	--
		C2-30	<0.22	<1.0	<50	--	<0.0045	<0.0045	<0.0045	<0.0090	--	--	--	--	--
		C3-2	<0.23	**39**	**140**	--	<0.0046	<0.0046	<0.0046	<0.0091	--	--	--	--	--
		C3-5	<0.22	**110J**	**470 J**	--	<0.0044	<0.0044	<0.0044	<0.0088	--	--	--	--	--
		C3-5 DUP	<0.26	<0.99 UJ	<50 UJ	--	<0.0053	<0.0053	<0.0053	<0.011	--	--	--	--	--
		C3-20	<0.20	<1.0	<50	--	<0.0040	<0.0040	<0.0040	<0.0081	--	--	--	--	--
		C3-30	<0.32	<1.0	<50	--	<0.0063	<0.0063	<0.0063	<0.013	--	--	--	--	--
		C3-60	<0.26	<0.99 UJ	<50 UJ	--	<0.0053	<0.0053	<0.0053	<0.011	--	--	--	--	--
		C4-2	<0.21	<1.0	<50	--	<0.0042	<0.0042	<0.0042	<0.0084	--	--	--	--	--
		C4-2 DUP	<0.23	<0.99	<49	--	<0.0046	<0.0046	<0.0046	<0.0091	--	--	--	--	--
		C4-5	<0.22	**140**	**670**	--	<0.0043	<0.0043	<0.0043	<0.0087	--	--	--	--	--
		C5-2	<0.21	**2.1**	<50	--	<0.0043	<0.0043	<0.0043	<0.0085	--	--	--	--	--
		C5-5	<0.22	**10**	**130**	--	<0.0044	<0.0044	<0.0044	<0.0087	--	--	--	--	--
		C6-2	<0.24	**38**	**210**	--	<0.0047	<0.0047	<0.0047	<0.0095	--	--	--	--	<0.002
		C7-2	<0.25	**45J**	**280 J**	--	<0.0051	<0.0051	<0.0051	<0.010	--	--	--	--	<0.002
		C7-60	--	--	--	--	--	--	--	--	--	--	--	--	<0.002
		C8-2	<0.22	**12**	**53**	--	<0.0043	<0.0043	<0.0043	<0.0087	--	--	--	--	<0.002
		C9-2	<0.30	<0.99	<49	--	<0.0061	<0.0061	<0.0061	<0.012	--	--	--	--	<0.002
		C9-2 DUP	<0.26	<0.99	<50	--	<0.0051	<0.0051	<0.0051	<0.010	--	--	--	--	<0.002
		C10-2	<0.27	<0.99	<49	--	<0.0054	<0.0054	<0.0054	<0.011	--	--	--	--	<0.002
		C11-2	<0.21	<1.0	<50	--	<0.0043	<0.0043	<0.0043	<0.0085	--	--	--	--	<0.002
		C12-2	<0.22	<0.99	<50	--	<0.0044	<0.0044	<0.0044	<0.0088	--	--	--	--	<0.002
		C13-2	<0.22	<0.99	<49	--	<0.0043	<0.0043	<0.0043	<0.0086	--	--	--	--	<0.002
		C14-2	<0.22	**1.7**	<50	--	<0.0044	<0.0044	<0.0044	<0.0087	--	--	--	--	<0.002
ACC Environmental Consultants, Inc.	10.24.13	**B1-4'**	<0.230	**4.8**	<49	<0.0045	<0.0045	<0.0045	<0.0045	<0.0091	<45	<0.0091	<0.0045	ND	--
		B1-16'	<0.230	<0.99	<49	<0.0045	<0.0045	<0.0045	<0.0045	<0.0090	<45	<0.0090	<0.0045	ND	--
		B2-4'	<0.240	<0.99	<50	<0.0049	<0.0049	<0.0049	<0.0049	<0.0097	<45	<0.0097	<0.0049	ND	--
		B3-4'	<0.240	<0.99	<50	<0.0048	<0.0048	<0.0048	<0.0048	<0.0097	<45	<0.0097	<0.0048	ND	--
		B4-4'	<0.240	**4.2**	<49	<0.0047	<0.0047	<0.0047	<0.0047	<0.0094	<45	<0.0094	<0.0047	ND	--
		B5-4'	<0.240	<1.0	<50	<0.0047	<0.0047	<0.0047	<0.0047	<0.0095	<45	<0.0095	<0.0047	ND	--
		B6-4'	<0.230	<1.0	<50	<0.0047	<0.0047	<0.0047	<0.0047	<0.0094	<45	<0.0094	<0.0047	ND	--
Direct Exposure HHR SLs (Residential, Table S-1)			740	230	1.10E+04	42	0.23	970	5.1	560	5.90E+04	3.3	0.60	--	--

TPH=Total Petroleum Hydrocarbons specified as gasoline-range (TPH-g), diesel-range (TPH-d) and motor oil-range (TPH-mo); VOCs = Volatile Organic Compounds; OCPs = Organochlorine Pesticides; mg/kg = milligrams per kilogram; HHR SLs = Human Health Risk Screening Levels published by the San Francisco Bay Regional Water Quality Control Board (February 2016); C2-5 DUP identified as C2-60 in lab report; C3-5 DUP identified as C3-60 in lab report; C4-2 DUP identified as C4-60 in lab report; C9-2 DUP identified as C9-60 in lab report.

TABLE 4
Soil Analytical Results Summary (PAHs & Metals)
1625 Chestnut Street, Livermore, CA
ACC Project Number: 6988-003.02

Company	Sample Date	Sample ID	Chemical Compound & Concentrations (mg/Kg)																								
			Benzo[a]anthracene	Benzo[a]pyrene	Benzo[b]f luoranthene	Benzo[g,h,i]perylene	Benzo[k]fluoranthene	Chrysene	Fluoranthene	Indeno[1,2,3-cd]pyrene	Naphthalene	Pyrene	Other PAHs	Arsenic	Barium	Beryllium	Chromium	Cobalt	Copper	Lead	Molybdenum	Nickel	Vanadium	Zinc	Mercury	Other Metals
Fugro West, Inc.	12.4.07	DP1-1 @ 0	--	--	--	--	--	--	--	--	--	--	--	3.5	--	--	--	--	--	4.8	--	--	--	--	--	--
		DP1-1 @ 2'	--	--	--	--	--	--	--	--	--	--	--	3.6	--	--	--	--	--	4.2	--	--	--	--	--	--
		DP1-1 @ 7.5'	--	--	--	--	--	--	--	--	--	--	--	2.6	--	--	--	--	--	2.9	--	--	--	--	--	--
		DP1-2 @ 0'	--	--	--	--	--	--	--	--	--	--	--	3.8	--	--	--	--	--	5.3	--	--	--	--	--	--
		DP1-2 @ 2'	--	--	--	--	--	--	--	--	--	--	--	4.0	--	--	--	--	--	5.3	--	--	--	--	--	--
		DP1-2 @ 7.5'	--	--	--	--	--	--	--	--	--	--	--	3.5	--	--	--	--	--	4.5	--	--	--	--	--	--
		DP1-3 @ 0'	--	--	--	--	--	--	--	--	--	--	--	3.9	--	--	--	--	--	5.2	--	--	--	--	--	--
		DP1-3 @ 2'	--	--	--	--	--	--	--	--	--	--	--	4.6	--	--	--	--	--	5.4	--	--	--	--	--	--
		DP1-3 @ 7.5'	--	--	--	--	--	--	--	--	--	--	--	3.4	--	--	--	--	--	2.9	--	--	--	--	--	--
		DP1-4 @ 0'	--	--	--	--	--	--	--	--	--	--	--	2.7	--	--	--	--	--	8.9	--	--	--	--	--	--
		DP1-4 @ 2'	--	--	--	--	--	--	--	--	--	--	--	3.6	--	--	--	--	--	4.9	--	--	--	--	--	--
		DP1-4 @ 7.5'	--	--	--	--	--	--	--	--	--	--	--	5.0	--	--	--	--	--	4.1	--	--	--	--	--	--
		DP1-5 @ 0'	--	--	--	--	--	--	--	--	--	--	--	5.4	--	--	--	--	--	44	--	--	--	--	--	--
		DP1-5 @ 2'	--	--	--	--	--	--	--	--	--	--	--	3.5	--	--	--	--	--	4.8	--	--	--	--	--	--
		DP1-5 @ 7.5'	--	--	--	--	--	--	--	--	--	--	--	3.2	--	--	--	--	--	3.3	--	--	--	--	--	--
		DP1-6 @ 0'	--	--	--	--	--	--	--	--	--	--	--	4.5	210	0.54	63	16	33	6.2	<1.0	120	29	42	<0.051	ND
		DP1-6 @ 2'	--	--	--	--	--	--	--	--	--	--	--	4.2	--	--	--	--	--	5.6	--	--	--	--	--	--
		DP1-6 @ 7.5'	--	--	--	--	--	--	--	--	--	--	--	4.4	--	--	--	--	--	5.5	--	--	--	--	--	--
URS Corporation	2.16.11	C1-2	<.099	<.099	<.099	<.099	<.099	<.099	<.099	<.099	<.099	<.099	ND	4.1 J	160 J	<0.41 UJ	52 J	14 J	28 J	8.5 J	<2.0 UJ	100 J	24 J	45 J	0.032 J	ND
		C1-5	<.025	<.025	<.025	<.025	<.025	<.025	<.025	<.025	<.025	<.025	ND	4.5 J	140 J	<0.41 UJ	60 J	15 J	30 J	7.2 J	<2.1 UJ	130 J	26 J	44 J	0.051 J	ND
		C2-2	0.087	0.011	0.014	0.009	0.0095	0.011	0.011	0.0061	<.005	0.016	ND	14 J	5.6 J	<0.38 UJ	41 J	11 J	32 J	18 J	<1.9 UJ	88 J	20 J	52 J	0.072 J	ND
		C2-5 DUP	<.010	<.010	<.010	<.010	<.010	<.010	<.010	<.010	<.010	<.010	ND	<4.1 UJ	110 J	<0.41 UJ	21 J	9.6 J	20 J	10 J	<2.0 UJ	38 J	18 J	30 J	0.27 J	ND
		C2-5	<.005	<.005	<.005	<.005	<.005	<.005	<.005	<.005	<.005	<.005	ND	5.6 J	130 J	<0.38 UJ	45 J	12 J	24 J	6.7 J	<1.9 UJ	96 J	20 J	39 J	0.049 J	ND
		C3-2	<.0099	<.0099	<.0099	<.0099	<.0099	<.0099	<.0099	<.0099	0.036	<.0099	ND	<4.1	110 J	<0.41	39	9.1	23	7.7	<2.0	67	24	38	0.031	ND
		C3-5	<.025	<.025	<.025	<.025	<.025	<.025	<.025	<.025	<.025	<.025	ND	<4.0	86	<0.40	34	8.3	20	6.0	<2.0	65	21	35	0.027	ND
		C3-5 DUP	--	--	--	--	--	--	--	--	--	--	--	<4.2	92	<0.40	46	8.3	23	5.1	<2.0	68	24	34	0.027	ND
		C3-60	<.005	<.005	<.005	<.005	<.005	<.005	<.005	<.005	<.005	<.005	ND	--	--	--	--	--	--	--	--	--	--	--	--	--
		C4-2	<.005	<.005	<.005	<.005	<.005	<.005	<.005	<.005	<.005	<.005	ND	4.5 J	200 J	<0.38 UJ	64 J	16 J	35 J	7.9 J	<1.9 UJ	120 J	27 J	50 J	0.029 J	ND
		C4-5	<.025	<.025	<.025	<.025	<.025	<.025	<.025	<.025	<.025	<.025	ND	<4.0 UJ	85 J	<0.40 UJ	33 J	6.6 J	15 J	4.1 J	<2.0 UJ	57 J	17 J	25 J	0.031 J	ND
		C5-2	<.005	<.005	<.005	<.005	<.005	<.005	<.005	<.005	<.005	<.005	ND	5.7 J	230 J	<0.38 UJ	120 J	19 J	37 J	8.3 J	<1.9 UJ	170 J	30 J	49 J	0.067 J	ND
		C5-5	<.010	<.010	<.010	<.010	<.010	<.010	<.010	<.010	<.010	<.010	ND	5.0 J	180 J	<0.38 UJ	63 J	18 J	33 J	8.9 J	<1.9 UJ	150 J	26 J	50 J	0.075 J	ND
		C6-2	<.050	<.050	<.050	<.050	<.050	<.050	<.050	<.050	<.050	<.050	ND	<4.1	120	<0.41	43	11	22	6.9	<2.0	110	21	37	0.04	ND
		C6-5	--	--	--	--	--	--	--	--	--	--	--	<4.2	140 J	<0.42	66	15	25	6.2	<2.1	160	26	44	0.061	ND
		C6-5 DUP	--	--	--	--	--	--	--	--	--	--	--	5.4	180 J	<0.41	69 J	11	30	6.1	<2.0	130	23	39	0.048	ND
		C7-2	<.025	<.025	<.025	<.025	<.025	<.025	<.025	<.025	<.025	<.025	ND	4.5	200 J	<0.39	61 J	15	30	12	<1.9	130	27	48	0.32	ND
		C7-5	--	--	--	--	--	--	--	--	--	--	--	5.1	190 J	<0.40	83	22	33	8.3	<2.0	250	30	48	0.056	ND
		C8-2	<.005	<.005	<.005	<.005	<.005	<.005	<.005	<.005	<.005	<.005	ND	5.8	230 J	<0.42	84 J	19	40	9.5	<2.1	160	37	53	0.041	ND
		C8-5	--	--	--	--	--	--	--	--	--	--	--	5.5	210 J	<0.40	86 J	19	36	8.9	<2.0	170	34	53	0.087	ND
		C9-2	<.005	<.005	<.005	<.005	<.005	<.005	<.005	<.005	<.005	<.005	ND	5.5	230	<0.41	82	20	37	8.4	<2.1	160	36	54	0.035	ND
		C9-2 DUP	<.0049	<.0049	<.0049	<.0049	<.0049	<.0049	<.0049	<.0049	<.0049	<.0049	ND	4.9	210	<0.40	71	17	34	7.5	<2.0	140	31	48	0.043	ND
		C9-5	--	--	--	--	--	--	--	--	--	--	--	5.2	190 J	<0.41	210 J	15	32	11	30	140	31	44	0.028	ND
		C10-2	<.0049	<.0049	<.0049	<.0049	<.0049	<.0049	<.0049	<.0049	<.0049	<.0049	ND	5.6	220 J	<0.40	76 J	17	33	12	<2.0	140	34	58	0.054	ND
		C10-2 DUP	0.016J	0.021J	0.031J	0.013	0.014	0.022J	0.020J	0.01	<.099	0.031J	ND	--	--	--	--	--	--	--	--	--	--	--	--	--
		C10-5	--	--	--	--	--	--	--	--	--	--	--	4.6	160 J	<0.40	71 J	14	28	8.0	<2.0	150	28	47	0.066	ND
		C11-2	<.005	<.005	<.005	<.005	<.005	<.005	<.005	<.005	<.005	<.005	ND	5.9	200 J	<0.41	88 J	19	41	9.7	<2.1	170	36	57	0.079	ND
		C11-5	--	--	--	--	--	--	--	--	--	--	--	4.7	120 J	<0.41	160 J	27	20	5.4	<2.0	360	22	42	0.034	ND
		C12-2	<.0049	<.0049	<.0049	<.0049	<.0049	<.0049	<.0049	<.0049	<.0049	<.0049	ND	6.4	260 J	<0.41	94 J	31	40	9.3	<2.1	350	35	54	0.047	ND
		C12-5	--	--	--	--	--	--	--	--	--	--	--	<3.8	110 J	<0.38	49 J	12	21	4.9	<1.9	140	20	35	0.047	ND
		C13-2	<.005	<.005	<.005	<.005	<.005	<.005	<.005	<.005	<.005	<.005	ND	6.3	240 J	<0.40	90 J	20	38	9.5	<2.0	200	36	56	0.048	ND
		C13-5	--	--	--	--	--	--	--	--	--	--	--	4.7	170 J	<0.40	83 J	15	28	7.0	<2.0	170	28	51	0.058	ND
		C13-5 DUP	--	--	--	--	--	--	--	--	--	--	--	5.9	220 J	0.79	100 J	19	34	10	<2.1	180	37	53	0.052	ND
		C14-2	<.005	<.005	<.005	<.005	<.005	<.005	<.005	<.005	<.005	<.005	ND	6.4	240 J	1.0	100 J	18	35	10	<2.0	190	33	53	0.056	ND
		C14-5	--	--	--	--	--	--	--	--	--	--	--	<4.0	110 J	<0.40	52 J	17	20	5.0	2.5 UJ	160	19	34	0.098 J	ND
		C14-5 DUP	--	--	--	--	--	--	--	--	--	--	--	4.4	170 J	<0.41	64 J	14	30	10	2.0 UJ	120	27	47	0.037 J	ND
ACC Environmental Consultants, Inc.	10.24.13	B1-4'	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	7.2	--	--	--	--	--	--
		B1-16'	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	8.1	--	--	--	--	--	--
		B2-4'	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	7.9	--	--	--	--	--	--
		B3-4'	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	8.0	--	--	--	--	--	--
		B4-4'	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	8.5	--	--	--	--	--	--
		B5-4'	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6.0	--	--	--	--	--	--
		B6-4'	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6.8	--	--	--	--	--	--
Direct Exposure HHR SLs (Residential, Table S-1)			0.16	0.016	0.16	--	1.6	15	2400	0.16	3.3	1800	--	0.067	15000	150	120000	23	3100	80	390	820	390	23000	13	--

PAHs = Polyaromatic Hydrocarbons; mg/kg = milligrams per kilogram; HHR SLs = Human Health Risk Screening Levels published by the San Francisco Bay Regional Water Quality Control Board (February 2016); C6-5 DUP identified as C6-60 in lab report; C9-2 DUP identified as C9-60 in lab report; C13-5 DUP identified as C13-60 in lab report; C14-5 DUP identified as C14-60 in lab report; C2-2 DUP identified as C2-60 in lab repor; C3-5 DUP ientified as C3-60 in lab report (metals only?); C10-2 DUP idenitified C10-60 in lab report (PAHs only?).