TABLE A-4
ANALYTICAL DATA: METALS IN SOIL
TANK FARM AREA, POTRERO POWER PLANT
SAN FRANCISCO, CALIFORNIA

Location ID	Sample ID	Bottom Depth (feet bgs)	Sample Date	Sample Type	Antimony	Arsenic	Barium	Beryllium	Boron	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
GB-142	GB-142-20.0	20	11/8/2017	P	<0.73	1.8	130	0.31	--	0.96	170	31	49	1.4	<0.086	<0.24	150	<0.73	<0.24	<0.73	120	42
GB-142	GB-142-23.0	23	11/8/2017	P	<0.76	1.3	120	<0.25	--	1.1	210	36	58	0.53	<0.088	<0.25	180	<0.76	<0.25	<0.76	120	46
GB-143	GB-143-2.0	2	11/9/2017	P	<0.78	3.7	38	<0.26	--	<0.52	38	6	7	3.5	0.13	0.83	38	<0.78	<0.26	<0.78	25	28
GB-143	GB-143-5.0	5	11/9/2017	P	<0.78	2.9	250	0.39	--	0.74	160	33	46	120	0.32	<0.26	410	<0.78	<0.26	<0.78	87	78
GB-143	GB-143-10.0	10	11/9/2017	P	<0.76	2.8	160	0.29	--	1	95	20	41	130	0.38	<0.25	190	<0.76	<0.25	<0.76	59	120
GB-143	GB-143-10.5	10.5	11/9/2017	P	<0.76	2.1	130	<0.25	--	0.8	150	26	64	18	<0.088	<0.25	110	<0.76	<0.25	<0.76	92	62
GB-143	GB-143-13.0	13	11/9/2017	P	<0.74	0.77	72	<0.25	--	0.56	120	23	41	0.86	<0.086	<0.25	110	<0.74	<0.25	<0.74	68	32
GB-144	GB-144-0.5	0.5	11/10/2017	P	--	--	--	--	--	--	--	--	--	4.5	--	--	--	--	--	--	--	--
GB-144	GB-144-2.0	2	11/10/2017	P	<0.78	2.9	200	0.34	--	0.61	120 J	23	42	290	0.33	<0.26	500	<0.78	<0.26	<0.78	66	94
GB-144	GB-144-5.5	5.5	11/10/2017	P	<0.79	2.3	440	0.35	--	0.81	77 J	19	83	360	0.39	<0.26	140	<0.79	<0.26	<0.79	78	140
GB-144	GB-144-6.5	6.5	11/10/2017	P	--	--	--	--	--	--	--	--	--	1.1	--	--	--	--	--	--	--	--
GB-144	GB-144-10.0	10	11/10/2017	P	<0.76	<0.76	320	<0.25	--	0.7	27 J	26	57	1.6	<0.079	<0.25	51	<0.76	<0.25	<0.76	100	55
GB-145	GB-145-2.0	2	11/14/2017	P	<0.75 R	2.1	29	<0.25	--	<0.50	29	5.8	14	5.1	<0.081	<0.25	33	<0.75	<0.25	<0.75	21	23
GB-145	GB-145-5.0	5	11/14/2017	P	<0.75 R	2.3	10	<0.25	--	<0.50	460	66	7.3	1.2	<0.085	<0.25	1,300	<0.75	<0.25	0.84 J	13	14
GB-145	GB-145-7.0	7	11/14/2017	P	<0.73 R	3.7	12	<0.24	--	<0.49	690	60	8.7	1.8	<0.079	<0.24	1,200	<0.73	<0.24	1.4 J	18	17
GB-145	GB-145-14.0	14	11/14/2017	P	<0.76 R	<0.76	300	0.53	--	0.91	160	40	62	3.5	<0.079	<0.25	170	<0.76	<0.25	<0.76	150	54
GB-146	GB-146-1.0	1	12/5/2017	P	<0.77	3.5	80	<0.26	--	<0.51	22	7.1	24	15	0.21	<0.26	120	<0.77	<0.26	0.81	60	50
GB-146	GB-146-4.0	4	12/5/2017	P	<0.75	3.0	470	0.51	--	<0.50	68	21	71	52 J	0.19	<0.25	79	<0.75	<0.25	<0.75	84	52 J
GB-147	GB-147-0.5	0.5	11/10/2017	P	--	--	--	--	--	--	--	--	--	33	--	--	--	--	--	--	--	--
GB-147	GB-147-2.0	2	11/10/2017	P	<0.75	4.7	97	0.27	--	<0.50	74 J	14	34	85	0.25	<0.25	110	<0.75	<0.25	<0.75	41	120
GB-147	GB-147-5.0	5	11/10/2017	P	<0.76	0.9	200	0.35	--	0.86	150 J	35	77	18	<0.086	<0.25	190	<0.76	<0.25	<0.76	120	53
GB-147	GB-147-9.25	9.25	11/10/2017	P	<0.77	1.6	140	<0.26	--	0.63	120 J	25	40	20	<0.088	<0.26	120	<0.77	<0.26	<0.77	89	44
GB-148	GB-148-2.0	2	11/7/2017	P	<0.74	2.4	86	0.28	--	<0.49	46 J	12	29	70 J	0.21	0.28	55 J	<0.74	<0.25	<0.74	40	62
GB-148	GB-148-5.0	5	11/7/2017	P	<0.75	3.0	92	0.29	--	<0.50	67 J	19	57	140 J	0.81	<0.25	180 J	<0.75	<0.25	<0.75	41	88
GB-148	GB-148-7.5	7.5	11/7/2017	P	<0.74	1.3	41	0.48	--	<0.49	58 J	53	15	7.4 J	<0.082	8.6	4,500 J	<0.74	<0.25	4.9	4,300	14
GB-148	GB-148-10.0	10	11/7/2017	P	<0.72	2.7	62	<0.24	--	0.53	71 J	25	54	0.63 J	<0.082	<0.24	110 J	<0.72	<0.24	1.8	54	28
GB-149	GB-149-0.5	0.5	11/14/2017	P	--	--	--	--	--	--	--	--	--	41	--	--	--	--	--	--	--	--
GB-149	GB-149-2.0	2	11/14/2017	P	<0.74 R	3.5	110	0.35	--	<0.49	58	13	20	46	0.17	<0.25	54	<0.74	<0.25	<0.74	47	55
GB-149	GB-149-5.0	5	11/21/2017	P	<0.74 R	2.9	75	<0.25	--	0.54	47	13	44	96	0.13	0.51	53	<0.74	<0.25	0.81	40	240
GB-149	GB-149-10.5	10.5	11/21/2017	P	<0.75 R	1.3	230	0.44	--	0.63	38	22	45	17	<0.081	<0.25	34	<0.75	<0.25	<0.75	120	61
GB-149	GB-149-14.5	14.5	11/21/2017	P	<0.72 R	5.3	89	<0.24	--	0.58	200	18	36	2.5	<0.081	<0.24	97	<0.72	<0.24	<0.72	100	39
GB-150	GB-150-0.5	0.5	11/7/2017	P	--	--	--	--	--	--	--	--	--	18 J	--	--	--	--	--	--	--	--
GB-150	GB-150-2.0	2	11/9/2017	P	<0.74	3.9	120	0.34	--	0.51	58 J	16	46	110	0.25	<0.25	110	<0.74	<0.25	<0.74	46	97
GB-150	GB-150-4.5	4.5	11/9/2017	P	1.4 J	5.6	150	0.32	--	0.83	56 J	16	220	240	0.67	0.44	93	<0.74	<0.25	<0.74	53	220
GB-150	GB-150-10.0	10	11/10/2017	P	<0.75	5.0	260	0.42	--	0.52	48 J	16	38	21	0.092	<0.25	51	<0.75	<0.25	<0.75	67	50
GB-151	GB-151-2.0	2	11/8/2017	P	<0.73	2.3	76	<0.24	--	<0.49	43 J	9.9	31	65	0.3	<0.24	49	<0.73	<0.24	<0.73	33	50
GB-151	GB-151-5.0	5	12/4/2017	P	<0.78	4.0	120	0.32	--	<0.52	65	14	39	100	0.33	<0.26	77	<0.78	<0.26	<0.78	49	82
GB-151	GB-151-9.5	9.5	12/5/2017	P	<0.78	4.1	400	0.46	--	0.9	85	26	62	180 J	0.1	<0.26	100	<0.78	<0.26	<0.78	140	85 J
GB-151	GB-151-15.0	15	12/5/2017	P	--	--	--	--	--	--	--	--	--	2.7 J	--	--	--	--	--	--	--	--
GB-151	GB-151-19.0	19	12/5/2017	P	--	--	--	--	--	--	--	--	--	2.4 J	--	--	--	--	--	--	--	--
GB-151	GB-151-26.0	26	12/6/2017	P	--	--	--	--	--	--	--	--	--	1.3 J	--	--	--	--	--	--	--	--
GB-152	GB-152-2.0	2	11/9/2017	P	<0.74	2.4	250	0.57	--	<0.50	57 J	20	48	51	1.7	<0.25	50	<0.74	<0.25	<0.74	68	59
GB-152	GB-152-4.5	4.5	11/21/2017	P	<0.74 R	1.6	32	<0.25	--	<0.49	81	12	11	15	0.083	<0.25	160	<0.74	<0.25	<0.74	21	31
GB-152	GB-152-10.5	10.5	11/21/2017	P	<0.73 R	1.6	320	0.48	--	0.81	44	32	58	7.3	0.15	<0.24	54	<0.73	<0.24	<0.73	140	65
GB-152	GB-152-13.5	13.5	11/21/2017	P	<0.74 R	1.3	59	<0.25	--	<0.49	57	14	24	86	<0.086	<0.25	120	<0.74	<0.25	<0.74	94	59
GB-152	GB-152-16.5	16.5	11/21/2017	P	<0.71 R	11	71	<0.24	--	<0.48	630	69	23	2.6	<0.079	1.8	1,200	<0.71	<0.24	1.5	39	25
GB-153	GB-153-1.5	1.5	12/5/2017	P	<0.76	3.2	84	0.27	--	<0.51	210	25	26	55	0.27	<0.25	360	<0.76	<0.25	0.95	39	54
GB-153	GB-153-5.0	5	11/21/2017	P	<0.73	4.4	110	0.25	--	<0.49	360	44	23	82	0.18	<0.24	720	<0.73	<0.24	<0.73	34	45
GB-153	GB-153-9.0	9	12/5/2017	P	<0.79	3.5	320	0.27	--	1.1	160	33	66	2.1	<0.081	<0.26	110	<0.79	<0.26	<0.79	120	53
GB-153	GB-153-18.0	18	12/5/2017	P	<0.74	4.2	660	0.46	--	0.81	130	40	77	9.1	<0.079	0.62	140	<0.74	<0.25	<0.74	100	52
GB-154	GB-154-2.0	2	11/16/2017	P	<0.73	4.2	250	0.41	--	0.65	60	23	63	75	2.9	<0.24	97	<0.73	<0.24	<0.73	58	85
GB-154	GB-154-5.0	5	11/16/2017	P	<0.75	3.4	180	0.29	--	0.6	47	14	38	70	0.6	<0.25	64	<0.75	<0.25	<0.75	40	59
GB-154	GB-154-9.5	9.5	12/4/2017	P	<0.75	4.1	94	0.29	--	<0.50	310	34	26	230	0.15	<0.25	590	<0.75	<0.25	<0.75	34	60
GB-154	GB-154-19.0	19	12/6/2017	P	--	--	--	--	--	--	--	--	--	33 J	--	--	--	--	--	--	--	--
GB-155	GB-155-2.0	2	11/16/2017	P	<0.78	2.7	140	0.35	--	<0.52	77 J	18	26	27	0.94	<0.26	77	<0.78	<0.26	<0.78	54	50 J
GB-155A	GB-155A-5.0	5	1/2/2018	P	<0.74 R	2.6	49	<0.25	--	<0.50	140	19	16	24	0.14	0.34	270	<0.74	<0.25	0.88	30	49
GB-155A	GB-155A-9.0	9	1/4/2018	P	<0.75	2.3	70	<0.25	--	<0.50	45	12	24	26	<0.083	<0.25	68	<0.75	<0.25	<0.75	15	19
GB-156	GB-156-2.0	2	11/16/2017	P	<0.74	5.3	140	0.35	--	0.61	100	18	38	110	3.6	<0.25	190	<0.74	<0.25	1.2	42	75
GB-156A	GB-156A-5.0	5	1/2/2018	P	<0.77 R	4.9	120	0.31	--	<0.52	180	25	48	3,100	0.24	0.34	350	<0.77	<0.26	<0.77	38	94
GB-161	GB-161-9.25	9.25	1/5/2018	P	--	--	--	--	--	--	--	--	--	73	--	--	--	--	--	--	--	--
GB-162	GB-162-9.5	9.5	1/4/2018	P	--	--	--	--	--	--	--	--	--	39	--	--	--	--	--	--	--	--
GB-163	GB-163-9.0	9	1/3/2018	P	--	--	--	--	--	--	--	--	--	7.8	--	--	--	--	--	--	--	--
GB-164	GB-164-7.5	7.5	1/3/2018	P	--	--	--	--	--	--	--	--	--	89	--	--	--	--	--	--	--	--
MW-POT-10	MW-POT-10-6	6.5	2/27/1991	P	<6.6	1.3	17	<0.55	560	4.9	560	72	32	<5.5	<0.11	<1.1	1,500	<22	<1.1	<16	24	28
MW-POT-10	MW-POT-10-10	10.5	2/27/1991	P	<6.7	1.7	26	<0.56	350	4	350	60	25	<5.6	0.14	<1.1	1,200	<22	<1.1	<17	11	21
MW-POT-11	MW-POT-11-2	2.5	3/5/1991	P	<6.5	4.7	75	<0.54	140	3.3	130	20	19	36	0.14	<1.1	320	<22	<1.1	<16	29	100

TABLE A-4
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TANK FARM AREA, POTRERO POWER PLANT
SAN FRANCISCO, CALIFORNIA

Location ID	Sample ID	Bottom Depth (feet bgs)	Sample Date	Sample Type	Antimony	Arsenic	Barium	Beryllium	Boron	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
MW-POT-11	MW-POT-11-6	6.5	3/5/1991	P	<6.9	<0.57	1,800	<0.57	25	9.5	25	45	88	11	<0.11	<1.1	72	<23	<1.1	<17	100	110
MW-POT-12	MW-POT-12-3	3.5	2/26/1991	P	<6.7	3.0	160	<0.56	47	3	47	14	35	45	0.27	<4.4	86	<14	<1.1	<17	42	62
MW-POT-12	MW-POT-12-5.5	6	2/26/1991	P	<7.0	6.1	210	<0.58	200	2.8	200	28	58	470	0.27	<4.6	560	<14	<1.2	<17	160	89
MW-POT-12	MW-POT-12-10.5	11	2/26/1991	P	<7.0	4.9	590	<0.58	340	8.7	340	23	87	28	<0.12	<4.6	220	<23	<1.2	<17	130	81
MW-POT-12	MW-POT-12-15.5	16	2/26/1991	P	<7.1	2.8	320	<0.60	210	5.3	210	30	75	25	<0.12	<4.8	210	<24	<1.2	<18	93	60
PA-4	8605111-04	1	5/28/1986	P	--	8.4	--	--	--	--	--	--	--	370	0.55	--	--	--	--	--	--	--
PA-5	8605111-05	1	5/28/1986	P	--	4.8	--	--	--	--	--	--	--	1,600	0.15	--	--	--	--	--	--	--
SS-POT-2	SS-POT-2	0.5	2/27/1991	P	<7.2	6.8	200	<0.60	610	8.5	610	53	49	1,600	0.53	<1.2	1,000	<24	<1.2	<18	48	720
SS-POT-4	SS-POT-4	0.5	2/27/1991	P	<6.4	2.9	440	<0.53	--	2.6	19	4	17	14	0.29	--	18	<21	--	--	34	72
TB3-001	TB03-001@0-1	1	11/25/1997	P	<6.0	2.3	170 J	<0.50	9.8	<2.0	9.8	6.1	7.5 J	2.8	<0.050	<10	7.2	<1.0	<2.0	<1.0	33 J	66 J
TB3-001	TB03-001@5-6	6	11/25/1997	P	<6.0	<0.50	47 J	<0.50	130	<2.0	130	24	50 J	0.74	<0.050	<10	210	<1.0	<2.0	<1.0	110 J	69 J
TB3-002	TB03-002@0-1	1	11/24/1997	P	<6.0	2.0 J	210	<0.50	130	<2.0	130	19	38	22 J	0.13 J	<10	210 J	<1.0	<2.0	<1.0	54	84
TB3-002	TB03-002@0-1D	1	11/24/1997	FD	<6.0	1.3 J	250	<0.50	110	<2.0	110	19	46	17 J	0.082 J	<10	110 J	<1.0	<2.0	<1.0	61	80
TB3-002	TB03-002@6-7	7	11/24/1997	P	<6.0	0.70 J	240	<0.50	89	<2.0	89	21	100	<0.40	<0.050	<10	36 J	<1.0	<2.0	<1.0	57	59
TB3-002	TB03-002@18-19	19	11/24/1997	P	<6.0	0.80 J	680	<0.50	20	<2.0	20	23	53	0.98 J	<0.050	<10	26 J	<1.0	<2.0	<4.0	120	67
TB3-003	TB03-003@0-1	1	11/18/1997	P	<6.0	3.8	180	<0.50	72	<2.0	72	16	36	32	0.44	<10	140	<1.0	<2.0	<1.0	56	70
TB3-003	TB03-003@5-6	6	11/24/1997	P	<6.0	5.7	130 J	<0.50	200	<2.0	200	20	33	92 J	<0.050	<10	350	<1.0	<2.0	<1.0	32	51
TB3-003	TB03-003@9-10	10	11/24/1997	P	<6.0	4.2	120 J	<0.50	20	<2.0	20	6.3	20	2.8 J	<0.050	<10	21	<1.0	<2.0	<1.0	29	25
TB3-007	TB03-007@0-1	1	11/24/1997	P	<6.0	5.9	140 J	<0.50	31	<2.0	31	8.2	16	9.9 J	0.36 J	<10	35	<1.0	<2.0	<1.0	33	270
TB3-007	TB03-007@6-8	8	11/24/1997	P	<6.0	1.4	80	<0.50	7.5	<2.0	7.5	7.1	6.4	3.8	<0.050	<10	22	<1.0	<2.0	<1.0	19	26
TB3-007	TB03-007@10-11	11	11/24/1997	P	<6.0	5.7	850	0.96	4.4	<2.0	4.4	<5.0	32	0.88	<0.050	<10	13	<1.0	<2.0	<1.0	48	3.6
TB3-008	TB03-008@0-1	1	11/25/1997	P	<6.0	4.7	70 J	<0.50	66	<2.0	66	9.3	19 J	17	0.094 J	<10	130	<1.0	<2.0	<1.0	36 J	55 J
TB3-008	TB03-008@5-6	6	11/25/1997	P	<6.0	1.8	31 J	<0.50	58	<2.0	58	7.2	4.9 J	1.6	<0.0050	<10	38	<1.0	<2.0	<1.0	43 J	24 J
TB3-008	TB03-008@10-11	11	11/25/1997	P	<6.0	6.0	200 J	<0.50	260	2.3	260	31	79 J	140	1.1 J	<10	450	<1.0	<2.0	<1.0	52 J	300 J
TB3-009	TB03-009@0-1	1	11/25/1997	P	<6.0	12.0	260	<0.50	590	10	590	42	65	2,300	6.9	<10	810	<1.0	<2.0	1.3	40	550
TB3-009	TB03-009@6-8	8	11/25/1997	P	<6.0	<0.50	<20	<0.50	760	<2.0	1,200	110	24	2.8	<0.0050	<10	1,900	<1.0	<2.0	2	27	25
TB3-009	TB03-009@6-8D	8	11/25/1997	FD	<6.0	<0.50	<20	<0.50	760	<2.0	760	58	9.5	<0.40	<0.0050	<10	1,200	<1.0	<2.0	2.1	25	15
TFSS-01	TFSS-01	0	12/8/2017	P	<0.75	4.1	230	0.58	--	0.5	62	27	48	47	1.8	<0.25	80	<0.75	<0.25	<0.75	76	130

TABLE A-4
ANALYTICAL DATA: METALS IN SOIL
TANK FARM AREA, POTRERO POWER PLANT
SAN FRANCISCO, CALIFORNIA

Notes:

All analytical results are wet weight results in milligrams per kilogram (mg/kg), with the exception of soil samples MW-POT-10, MW-POT-11, MW-POT-12, SS-POT-2, and SS-POT-4, which are dry weight results.
Detected results are presented in bold.
-- = Not analyzed for.
< = Analyte was not detected at the given detection limit.
B = estimate value; analyte detected in the sample and the associated method blank. Detected analyte was less than 10 times the method blank value
bgs = Below ground surface.
E = Exceeds calibration/dilution range. Result should be considered estimated.
FD = Field Duplicate.
J = Estimated value.
P = Primary sample.
R = Rejected sample.

TABLE A-5
ANALYTICAL DATA: POLYCHLORINATED BIPHENYL COMPOUNDS IN SOIL
TANK FARM AREA, POTRERO POWER PLANT
SAN FRANCISCO, CALIFORNIA

Location ID	Sample ID	Bottom Depth (feet bgs)	Sample Date	Sample Type	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Aroclor-1262	Aroclor-1268
B-2-1989	B-2-1-2053	0.5	4/24/1989	P	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.00046	--	--
B-2-1989	B-2-2-2055	1.5	4/24/1989	P	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.0013	--	--
B-2-1989	B-2-3-2057	2.5	4/24/1989	P	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	--	--
B-2-1989	B-2-4-2059	3.5	4/24/1989	P	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	--	--
GB-127	GB-127-2.0	2	11/13/2017	P	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049	**0.54**	<0.049	<0.049
GB-128	GB-128-0.5	0.5	11/13/2017	P	<0.050	<0.050	<0.050	**0.23**	<0.050	<0.050	<0.050	<0.050	<0.050
GB-128	GB-128-2.0	2	11/13/2017	P	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	**2.7**	<0.49	<0.49
GB-128	GB-128-5.0	5	12/6/2017	P	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	**2.6**	<0.50	<0.50
GB-128	GB-128-10.0	10	12/7/2017	P	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
GB-129	GB-129-2.0	2	11/8/2017	P	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	**0.051**	<0.050	<0.050
GB-130	GB-130-2.0	2	11/14/2017	P	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	**1.6**	<0.49	<0.49
GB-130	GB-130-5.0	5	11/15/2017	P	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	**0.89 J**	<0.050	<0.050
GB-130	GB-130-10.0	10	11/15/2017	P	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	**1.8**	<0.50	<0.50
GB-130	GB-130-15.0	15	11/15/2017	P	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	**2.2**	<0.50	<0.50
GB-130	GB-130-19.0	19	11/15/2017	P	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
GB-130	GB-130-25.75	25.75	11/15/2017	P	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
GB-131	GB-131-2.0	2	11/13/2017	P	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**8**	<1.0	<1.0
GB-131	GB-131-6.5	6.5	12/4/2017	P	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	**1.4**	<0.49	<0.49
GB-131	GB-131-9.0	9	12/4/2017	P	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	**0.97**	<0.50	<0.50
GB-132	GB-132-2.0	2	11/13/2017	P	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	**4.4**	<0.50	<0.50
GB-132	GB-132-5.0	5	11/13/2017	P	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	**1.4**	<0.50	<0.50
GB-132	GB-132-10.0	10	11/13/2017	P	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**17**	<5.0	<5.0
GB-132	GB-132-15.0	15	11/13/2017	P	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**25**	<5.0	<5.0
GB-132	GB-132-20.0	20	11/13/2017	P	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**4.9**	<1.0	<1.0
GB-132	GB-132-25.0	25	11/14/2017	P	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**14**	<5.0	<5.0
GB-133	GB-133-2.0	2	11/17/2017	P	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	**0.45 J**	<0.050	<0.050
GB-134	GB-134-2.0	2	11/15/2017	P	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	**1.4**	<0.050	<0.050
GB-134	GB-134-5.0	5	11/20/2017	P	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	**3.1**	<0.50	<0.50
GB-134	GB-134-10.0	10	11/21/2017	P	<50	<50	<50	<50	<50	<50	**140**	<50	<50
GB-134	GB-134-15.5	15.5	11/21/2017	P	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
GB-135	GB-135-2.0	2	11/17/2017	P	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049	**0.055**	<0.049	<0.049
GB-136	GB-136-0.5	0.5	11/13/2017	P	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
GB-136	GB-136-2.0	2	11/13/2017	P	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	**1.1**	<0.50	<0.50
GB-136	GB-136-5.0	5	11/13/2017	P	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**57**	<5.0	<5.0
GB-136	GB-136-10.0	10	11/13/2017	P	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
GB-137	GB-137-2.0	2	11/15/2017	P	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049	**0.11**	<0.049	<0.049
GB-138	GB-138-2.0	2	11/9/2017	P	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	**0.18**	<0.050	<0.050
GB-139	GB-139-3.0	3	11/15/2017	P	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
GB-140	GB-140-2.0	2	11/9/2017	P	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	**0.11**	<0.050	<0.050
GB-140	GB-140-0.5	0.5	11/10/2017	P	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
GB-141	GB-141-2.0	2	11/17/2017	P	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049
GB-142	GB-142-2.0	2	11/8/2017	P	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049
GB-143	GB-143-2.0	2	11/9/2017	P	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049
GB-144	GB-144-0.5	0.5	11/10/2017	P	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049
GB-144	GB-144-2.0	2	11/10/2017	P	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	**0.29 J**	<0.050	<0.050
GB-145	GB-145-2.0	2	11/14/2017	P	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049
GB-146	GB-146-1.0	1	12/5/2017	P	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
GB-147	GB-147-2.0	2	11/10/2017	P	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049

TABLE A-5
ANALYTICAL DATA: POLYCHLORINATED BIPHENYL COMPOUNDS IN SOIL
TANK FARM AREA, POTRERO POWER PLANT
SAN FRANCISCO, CALIFORNIA

Location ID	Sample ID	Bottom Depth (feet bgs)	Sample Date	Sample Type	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Aroclor-1262	Aroclor-1268
GB-148	GB-148-2.0	2	11/7/2017	P	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
GB-149	GB-149-2.0	2	11/14/2017	P	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049
GB-150	GB-150-2.0	2	11/9/2017	P	<0.051	<0.051	<0.051	<0.051	<0.051	<0.051	<0.051	<0.051	<0.051
GB-151	GB-151-2.0	2	11/8/2017	P	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
GB-152	GB-152-2.0	2	11/9/2017	P	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
GB-153	GB-153-1.5	1.5	12/5/2017	P	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049
GB-154	GB-154-2.0	2	11/16/2017	P	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049
GB-155	GB-155-2.0	2	11/16/2017	P	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049
GB-156	GB-156-2.0	2	11/16/2017	P	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	**0.14 J**	<0.050	<0.050
MW-POT-10	MW-POT-10-6	6.5	2/27/1991	P	<0.022	<0.022	<0.022	<0.022	<0.022	<0.022	<0.022	--	--
MW-POT-10	MW-POT-10-10	10.5	2/27/1991	P	<0.022	<0.022	<0.022	<0.022	<0.022	<0.022	<0.022	--	--
MW-POT-11	MW-POT-11-2	2.5	3/5/1991	P	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	**1**	--	--
MW-POT-12	POT-12-1.5	2	2/26/1991	FD	<0.022	<0.022	<0.022	<0.022	<0.022	<0.022	<0.022	--	--
MW-POT-12	POT-12-1.5-P01-712	2	2/26/1991	P	<0.022	<0.022	<0.022	<0.022	<0.022	<0.022	<0.022	--	--
MW-POT-12	MW-POT-12-3	3.5	2/26/1991	P	<0.022	<0.022	<0.022	<0.022	<0.022	0.064	<0.022	--	--
SS-POT-2	SS-POT-2	0.5	2/27/1991	P	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	**1.1**	--	--
SS-POT-4	SS-POT-4	0.5	2/27/1991	P	<0.021	<0.021	<0.021	<0.021	<0.021	<0.021	<0.021	--	--
TB3-001	TB03-001@0-1	1	11/25/1997	P	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	--	--
TB3-001	TB03-001@5-6	6	11/25/1997	P	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	--	--
TB3-002	TB03-002@0-1	1	11/24/1997	P	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	--	--
TB3-002	TB03-002@0-1D	1	11/24/1997	FD	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	--	--
TB3-002	TB03-002@6-7	7	11/24/1997	P	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	--	--
TB3-003	TB03-003@0-1	1	11/18/1997	P	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	--	--
TB3-003	TB03-003@5-6	6	11/24/1997	P	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	--	--
TB3-007	TB03-007@0-1	1	11/24/1997	P	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	--	--
TB3-007	TB03-007@6-8	8	11/24/1997	P	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	--	--
TB3-008	TB03-008@0-1	1	11/25/1997	P	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	--	--
TB3-008	TB03-008@5-6	6	11/25/1997	P	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	--	--
TB3-009	TB03-009@0-1	1	11/25/1997	P	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	--	--
TB3-009	TB03-009@6-8	8	11/25/1997	P	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	--	--
TB3-009	TB03-009@6-8D	8	11/25/1997	FD	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	--	--

Notes:
All analytical results are wet weight results in milligrams per kilogram (mg/kg), with the exception of soil samples MW-POT-10, MW-POT-11, and MW-POT-12, which are dry weight results.
Detected results are presented in **bold**.
-- = Not analyzed for
< = Analyte was not detected at the given detection limit
bgs = Below ground surface
FD = Field duplicate
J = Estimated value
P = Primary sample

TABLE A-6
ANALYTICAL DATA: SEMIVOLATILE ORGANIC COMPOUNDS IN SOIL
TANK FARM AREA, POTRERO POWER PLANT
SAN FRANCISCO, CALIFORNIA

Location ID	Sample ID	Bottom Depth (feet bgs)	Sample Date	Sample Type	2,4,5-Trichloro-phenol	2,4,6-Trichloro-phenol	2,4-Dichloro-phenol	2,4-Dimethyl-phenol	2,4-Dinitrophenol	2,4-Dinitrotoluene	2,6-Dichloro-phenol	2,6-Dinitrotoluene	2-Chloro-naphthalene	2-Chlorophenol	2-Methyl-4,6-dinitrophenol	2-Methylphenol (o-cresol)
MW-POT-10	MW-POT-10-6	6.5	2/27/1991	P	--	--	--	--	--	--	--	--	--	--	--	--
MW-POT-11	MW-POT-11-2	2.5	3/5/1991	P	--	--	--	--	--	--	--	--	--	--	--	--
MW-POT-11	MW-POT-11-6	6.5	3/5/1991	P	--	--	--	--	--	--	--	--	--	--	--	--
MW-POT-12	MW-POT-12-3	3.5	2/26/1991	P	--	--	--	--	--	--	--	--	--	--	--	--
MW-POT-12	MW-POT-12-5.5	6	2/26/1991	P	--	--	--	--	--	--	--	--	--	--	--	--
MW-POT-12	MW-POT-12-10.5	11	2/26/1991	P	--	--	--	--	--	--	--	--	--	--	--	--
MW-POT-12	MW-POT-12-15.5	16	2/26/1991	P	--	--	--	--	--	--	--	--	--	--	--	--
PL3.5W	PL3.5W-2062	5	4/17/1990	P	<5	<1	<1	<1	<5	<1	--	<1	<1	<1	<5	<1
PL4C	PL4C-2063	5	4/17/1990	P	<10	<2	<2	<2	<10	<2	--	<2	<2	<2	<10	<2
PL4N	PL4N-2064	5	4/23/1990	P	<0.5	<0.1	<0.1	<0.1	<0.5	<0.1	--	<0.1	<0.1	<0.1	<0.5	<0.1
PL5E	PL5E-2065	5	4/17/1990	P	<5	<1	<1	<1	<5	<1	--	<1	<1	<1	--	<1
TB3-001	TB03-001@0-1	1	11/25/1997	P	--	<0.33	<0.33	<0.33	<1.6	--	<0.33	--	--	<0.33	<1.6	<0.33
TB3-001	TB03-001@5-6	6	11/25/1997	P	--	<0.33	<0.33	<0.33	<1.6	--	<0.33	--	--	<0.33	<1.6	<0.33
TB3-002	TB03-002@0-1	1	11/24/1997	P	--	<3.3	<3.3	<3.3	<16	--	<3.3	--	--	<3.3	<16	<3.3
TB3-002	TB03-002@0-1D	1	11/24/1997	FD	--	<0.33	<0.33	<0.33	<1.6	--	<0.33	--	--	<0.33	<1.6	<0.33
TB3-002	TB03-002@6-7	7	11/24/1997	P	--	<0.33	<0.33	<0.33	<1.6	--	<0.33	--	--	<0.33	<1.6	<0.33
TB3-002	TB03-002@18-19	19	11/24/1997	P	--	<0.33	<0.33	<0.33	<1.6	--	<0.33	--	--	<0.33	<1.6	<0.33
TB3-003	TB03-003@0-1	1	11/18/1997	P	--	<0.33	<0.33	<0.33	<1.6	--	<0.33	--	--	<0.33	<1.6	<0.33
TB3-003	TB03-003@5-6	6	11/24/1997	P	--	<0.33	<0.33	<0.33	<1.6	--	<0.33	--	--	<0.33	<1.58	<0.33
TB3-003	TB03-003@9-10	10	11/24/1997	P	--	<0.33	<0.33	<0.33	<1.6	--	<0.33	--	--	<0.33	<1.6	<0.33
TB3-007	TB03-007@0-1	1	11/24/1997	P	--	<0.33	<0.33	<0.33	<1.6	--	<0.33	--	--	<0.33	<1.6	<0.33
TB3-007	TB03-007@6-8	8	11/24/1997	P	--	<0.32	<0.32	<0.32	<1.6	--	<0.32	--	--	<0.32	<1.57	<0.32
TB3-007	TB03-007@10-11	11	11/24/1997	P	--	<0.32	<0.32	<0.32	<1.6	--	<0.32	--	--	<0.32	<1.55	<0.32
TB3-008	TB03-008@0-1	1	11/25/1997	P	--	<0.66	<0.66	<0.66	<3.2	--	<0.66	--	--	<0.66	<3.2	<0.66
TB3-008	TB03-008@5-6	6	11/25/1997	P	--	<0.33	<0.33	<0.33	<1.6	--	<0.33	--	--	<0.33	<1.6	<0.33
TB3-008	TB03-008@10-11	11	11/25/1997	P	--	<0.66	<0.66	<0.66	<3.2	--	<0.66	--	--	<0.66	<3.2	<0.66
TB3-009	TB03-009@0-1	1	11/25/1997	P	--	<0.33	<0.33	<0.33	<1.6	--	<0.33	--	--	<0.33	<1.6	<0.33
TB3-009	TB03-009@6-8	8	11/25/1997	P	--	<2	<2	<2	<9.6	--	<2	--	--	<2	<9.6	<2
TB3-009	TB03-009@6-8D	8	11/25/1997	FD	--	<2 J	<2 J	<2 J	<9.6 J	--	<2 J	--	--	<2 J	<9.6	<2 J

TABLE A-6
ANALYTICAL DATA: SEMIVOLATILE ORGANIC COMPOUNDS IN SOIL
TANK FARM AREA, POTRERO POWER PLANT
SAN FRANCISCO, CALIFORNIA

Location ID	Sample ID	Bottom Depth (feet bgs)	Sample Date	Sample Type	2-Nitroaniline	2-Nitrophenol	3-& 4-Methylphenol	3,3-Dichloro-benzidine	3/4-Methylphenols (p/m-Cresol) A	3-Methylphenol	3-Nitroaniline	4,6-Dinitro-2-methylphenol	4-Bromophenyl-phenyl Ether	4-Chloro-3-methylphenol	4-Chloroaniline
MW-POT-10	MW-POT-10-6	6.5	2/27/1991	P	--	--	--	--	--	--	--	--	--	--	--
MW-POT-11	MW-POT-11-2	2.5	3/5/1991	P	--	--	--	--	--	--	--	--	--	--	--
MW-POT-11	MW-POT-11-6	6.5	3/5/1991	P	--	--	--	--	--	--	--	--	--	--	--
MW-POT-12	MW-POT-12-3	3.5	2/26/1991	P	--	--	--	--	--	--	--	--	--	--	--
MW-POT-12	MW-POT-12-5.5	6	2/26/1991	P	--	--	--	--	--	--	--	--	--	--	--
MW-POT-12	MW-POT-12-10.5	11	2/26/1991	P	--	--	--	--	--	--	--	--	--	--	--
MW-POT-12	MW-POT-12-15.5	16	2/26/1991	P	--	--	--	--	--	--	--	--	--	--	--
PL3.5W	PL3.5W-2062	5	4/17/1990	P	<5	<1	--	<5	--	--	<5	<5	<1	<1	<1
PL4C	PL4C-2063	5	4/17/1990	P	<10	<2	--	<10	--	--	<10	<10	<2	<2	<2
PL4N	PL4N-2064	5	4/23/1990	P	<0.5	<0.1	--	<0.5	--	--	<0.5	<0.5	<0.1	<0.1	<0.1
PL5E	PL5E-2065	5	4/17/1990	P	<5	<1	--	<5	--	--	<5	<5	<1	<1	<1
TB3-001	TB03-001@0-1	1	11/25/1997	P	--	<0.33	<0.33	--	<0.66	<0.33	--	<1.6	--	<0.66	--
TB3-001	TB03-001@5-6	6	11/25/1997	P	--	<0.33	<0.33	--	<0.66	<0.33	--	<1.6	--	<0.66	--
TB3-002	TB03-002@0-1	1	11/24/1997	P	--	<3.3	<3.3	--	<6.6	<3.3	--	<16	--	<6.6	--
TB3-002	TB03-002@0-1D	1	11/24/1997	FD	--	<0.33	<0.33	--	<0.66	<0.329	--	<1.6	--	<0.658	--
TB3-002	TB03-002@6-7	7	11/24/1997	P	--	<0.33	<0.33	--	<0.66	<0.33	--	<1.6	--	<0.66	--
TB3-002	TB03-002@18-19	19	11/24/1997	P	--	<0.33	<0.33	--	<0.66	<0.33	--	<1.6	--	<0.66	--
TB3-003	TB03-003@0-1	1	11/18/1997	P	--	<0.33	<0.33	--	<0.66	<0.33	--	<1.6	--	<0.66	--
TB3-003	TB03-003@5-6	6	11/24/1997	P	--	<0.33	<0.33	--	<0.65	<0.327	--	<1.6	--	<0.653	--
TB3-003	TB03-003@9-10	10	11/24/1997	P	--	<0.33	<0.33	--	<0.66	<0.33	--	<1.6	--	<0.66	--
TB3-007	TB03-007@0-1	1	11/24/1997	P	--	<0.33	<0.33	--	<0.66	<0.33	--	<1.6	--	<0.66	--
TB3-007	TB03-007@6-8	8	11/24/1997	P	--	<0.32	<0.32	--	<0.65	<0.325	--	<1.6	--	<0.649	--
TB3-007	TB03-007@10-11	11	11/24/1997	P	--	<0.32	<0.32	--	<0.64	<0.32	--	<1.6	--	<0.641	--
TB3-008	TB03-008@0-1	1	11/25/1997	P	--	<0.66	<0.66	--	<1.3	<0.66	--	<3.2	--	<1.32	--
TB3-008	TB03-008@5-6	6	11/25/1997	P	--	<0.33	<0.33	--	<0.66	<0.33	--	<1.6	--	<0.66	--
TB3-008	TB03-008@10-11	11	11/25/1997	P	--	<0.66	<0.66	--	<1.3	<0.66	--	<3.2	--	<1.32	--
TB3-009	TB03-009@0-1	1	11/25/1997	P	--	<0.33	<0.33	--	<0.66	<0.33	--	<1.6	--	<0.66	--
TB3-009	TB03-009@6-8	8	11/25/1997	P	--	<2	<2	--	<4	<1.98	--	<9.6	--	<3.96	--
TB3-009	TB03-009@6-8D	8	11/25/1997	FD	--	<2 J	<2 J	--	<4 J	<1.98	--	<9.6 J	--	<3.96	--

TABLE A-6
ANALYTICAL DATA: SEMIVOLATILE ORGANIC COMPOUNDS IN SOIL
TANK FARM AREA, POTRERO POWER PLANT
SAN FRANCISCO, CALIFORNIA

Location ID	Sample ID	Bottom Depth (feet bgs)	Sample Date	Sample Type	4-Chloro-naphthalene	4-Chlorophenyl-phenyl Ether	4-Methylphenol	4-Nitroaniline	4-Nitrophenol	Aniline	Benzidine	Benzoic acid	Benzyl alcohol	Bis(2-Chloroethoxy) methane	Bis(2-Chloroethyl) ether	Bis(2-chloroisopropyl) ether
MW-POT-10	MW-POT-10-6	6.5	2/27/1991	P	--	--	--	--	--	--	--	--	--	--	--	--
MW-POT-11	MW-POT-11-2	2.5	3/5/1991	P	--	--	--	--	--	--	--	--	--	--	--	--
MW-POT-11	MW-POT-11-6	6.5	3/5/1991	P	--	--	--	--	--	--	--	--	--	--	--	--
MW-POT-12	MW-POT-12-3	3.5	2/26/1991	P	--	--	--	--	--	--	--	--	--	--	--	--
MW-POT-12	MW-POT-12-5.5	6	2/26/1991	P	--	--	--	--	--	--	--	--	--	--	--	--
MW-POT-12	MW-POT-12-10.5	11	2/26/1991	P	--	--	--	--	--	--	--	--	--	--	--	--
MW-POT-12	MW-POT-12-15.5	16	2/26/1991	P	--	--	--	--	--	--	--	--	--	--	--	--
PL3.5W	PL3.5W-2062	5	4/17/1990	P	<1	<1	<1	<5	<5	<1	<25	<5	<1	<1	<1	<1
PL4C	PL4C-2063	5	4/17/1990	P	<2	<2	<2	<10	<10	<2	<50	<10	<2	<2	<2	<2
PL4N	PL4N-2064	5	4/23/1990	P	<0.1	<0.1	<0.1	<0.5	<0.5	<0.1	<2.5	<0.5	<0.1	<0.1	<0.1	<0.1
PL5E	PL5E-2065	5	4/17/1990	P	<1	<1	<1	<5	<5	<1	<25	<5	<1	<1	<1	<1
TB3-001	TB03-001@0-1	1	11/25/1997	P	--	--	--	--	<1.6	--	--	--	--	--	--	--
TB3-001	TB03-001@5-6	6	11/25/1997	P	--	--	--	--	<1.6	--	--	--	--	--	--	--
TB3-002	TB03-002@0-1	1	11/24/1997	P	--	--	--	--	<16	--	--	--	--	--	--	--
TB3-002	TB03-002@0-1D	1	11/24/1997	FD	--	--	--	--	<1.6	--	--	--	--	--	--	--
TB3-002	TB03-002@6-7	7	11/24/1997	P	--	--	--	--	<1.6	--	--	--	--	--	--	--
TB3-002	TB03-002@18-19	19	11/24/1997	P	--	--	--	--	<1.6	--	--	--	--	--	--	--
TB3-003	TB03-003@0-1	1	11/18/1997	P	--	--	--	--	<1.6	--	--	--	--	--	--	--
TB3-003	TB03-003@5-6	6	11/24/1997	P	--	--	--	--	<1.6	--	--	--	--	--	--	--
TB3-003	TB03-003@9-10	10	11/24/1997	P	--	--	--	--	<1.6	--	--	--	--	--	--	--
TB3-007	TB03-007@0-1	1	11/24/1997	P	--	--	--	--	<1.6	--	--	--	--	--	--	--
TB3-007	TB03-007@6-8	8	11/24/1997	P	--	--	--	--	<1.6	--	--	--	--	--	--	--
TB3-007	TB03-007@10-11	11	11/24/1997	P	--	--	--	--	<1.6	--	--	--	--	--	--	--
TB3-008	TB03-008@0-1	1	11/25/1997	P	--	--	--	--	<3.2	--	--	--	--	--	--	--
TB3-008	TB03-008@5-6	6	11/25/1997	P	--	--	--	--	<1.6	--	--	--	--	--	--	--
TB3-008	TB03-008@10-11	11	11/25/1997	P	--	--	--	--	<3.2	--	--	--	--	--	--	--
TB3-009	TB03-009@0-1	1	11/25/1997	P	--	--	--	--	<1.6	--	--	--	--	--	--	--
TB3-009	TB03-009@6-8	8	11/25/1997	P	--	--	--	--	<9.6	--	--	--	--	--	--	--
TB3-009	TB03-009@6-8D	8	11/25/1997	FD	--	--	--	--	<9.6 J	--	--	--	--	--	--	--

TABLE A-6
ANALYTICAL DATA: SEMIVOLATILE ORGANIC COMPOUNDS IN SOIL
TANK FARM AREA, POTRERO POWER PLANT
SAN FRANCISCO, CALIFORNIA

Location ID	Sample ID	Bottom Depth (feet bgs)	Sample Date	Sample Type	Bis(2-ethylhexyl) phthalate	Butyl benzyl phthalate	Dibenzofuran	Dibutyl phthalate	Diethyl phthalate	Dimethyl-phthalate	Di-n-octyl-phthalate	Diphenyl-nitrosoamine	Hexachloro-benzene	Hexachloro-cyclopentadiene	Hexachloro-ethane
MW-POT-10	MW-POT-10-6	6.5	2/27/1991	P	--	--	--	--	--	--	--	--	--	--	--
MW-POT-11	MW-POT-11-2	2.5	3/5/1991	P	--	--	--	--	--	--	--	--	--	--	--
MW-POT-11	MW-POT-11-6	6.5	3/5/1991	P	--	--	--	--	--	--	--	--	--	--	--
MW-POT-12	MW-POT-12-3	3.5	2/26/1991	P	--	--	--	--	--	--	--	--	--	--	--
MW-POT-12	MW-POT-12-5.5	6	2/26/1991	P	--	--	--	--	--	--	--	--	--	--	--
MW-POT-12	MW-POT-12-10.5	11	2/26/1991	P	--	--	--	--	--	--	--	--	--	--	--
MW-POT-12	MW-POT-12-15.5	16	2/26/1991	P	--	--	--	--	--	--	--	--	--	--	--
PL3.5W	PL3.5W-2062	5	4/17/1990	P	<530	<1	<1	<5	<1	<1	<1	<1	<1	<1	<1
PL4C	PL4C-2063	5	4/17/1990	P	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
PL4N	PL4N-2064	5	4/23/1990	P	<0.5	<0.1	<0.1	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
PL5E	PL5E-2065	5	4/17/1990	P	<530	<1	<1	<5	<1	<1	<1	<1	<1	<1	<1
TB3-001	TB03-001@0-1	1	11/25/1997	P	--	--	--	--	--	--	--	--	--	--	--
TB3-001	TB03-001@5-6	6	11/25/1997	P	--	--	--	--	--	--	--	--	--	--	--
TB3-002	TB03-002@0-1	1	11/24/1997	P	--	--	--	--	--	--	--	--	--	--	--
TB3-002	TB03-002@0-1D	1	11/24/1997	FD	--	--	--	--	--	--	--	--	--	--	--
TB3-002	TB03-002@6-7	7	11/24/1997	P	--	--	--	--	--	--	--	--	--	--	--
TB3-002	TB03-002@18-19	19	11/24/1997	P	--	--	--	--	--	--	--	--	--	--	--
TB3-003	TB03-003@0-1	1	11/18/1997	P	--	--	--	--	--	--	--	--	--	--	--
TB3-003	TB03-003@5-6	6	11/24/1997	P	--	--	--	--	--	--	--	--	--	--	--
TB3-003	TB03-003@9-10	10	11/24/1997	P	--	--	--	--	--	--	--	--	--	--	--
TB3-007	TB03-007@0-1	1	11/24/1997	P	--	--	--	--	--	--	--	--	--	--	--
TB3-007	TB03-007@6-8	8	11/24/1997	P	--	--	--	--	--	--	--	--	--	--	--
TB3-007	TB03-007@10-11	11	11/24/1997	P	--	--	--	--	--	--	--	--	--	--	--
TB3-008	TB03-008@0-1	1	11/25/1997	P	--	--	--	--	--	--	--	--	--	--	--
TB3-008	TB03-008@5-6	6	11/25/1997	P	--	--	--	--	--	--	--	--	--	--	--
TB3-008	TB03-008@10-11	11	11/25/1997	P	--	--	--	--	--	--	--	--	--	--	--
TB3-009	TB03-009@0-1	1	11/25/1997	P	--	--	--	--	--	--	--	--	--	--	--
TB3-009	TB03-009@6-8	8	11/25/1997	P	--	--	--	--	--	--	--	--	--	--	--
TB3-009	TB03-009@6-8D	8	11/25/1997	FD	--	--	--	--	--	--	--	--	--	--	--

TABLE A-6
ANALYTICAL DATA: SEMIVOLATILE ORGANIC COMPOUNDS IN SOIL
TANK FARM AREA, POTRERO POWER PLANT
SAN FRANCISCO, CALIFORNIA

Location ID	Sample ID	Bottom Depth (feet bgs)	Sample Date	Sample Type	Isophorone	Nitrobenzene	N-Nitroso-di-n-propylamine	Pentachloro-phenol	Phenol	Phenols
MW-POT-10	MW-POT-10-6	6.5	2/27/1991	P	--	--	--	--	--	<0.5
MW-POT-11	MW-POT-11-2	2.5	3/5/1991	P	--	--	--	--	--	<0.5
MW-POT-11	MW-POT-11-6	6.5	3/5/1991	P	--	--	--	--	--	<0.5
MW-POT-12	MW-POT-12-3	3.5	2/26/1991	P	--	--	--	--	--	<0.5
MW-POT-12	MW-POT-12-5.5	6	2/26/1991	P	--	--	--	--	--	**0.88**
MW-POT-12	MW-POT-12-10.5	11	2/26/1991	P	--	--	--	--	--	**0.61**
MW-POT-12	MW-POT-12-15.5	16	2/26/1991	P	--	--	--	--	--	<0.5
PL3.5W	PL3.5W-2062	5	4/17/1990	P	<1	<1	<1	<5	<1	--
PL4C	PL4C-2063	5	4/17/1990	P	<2	<2	<2	<10	<2	--
PL4N	PL4N-2064	5	4/23/1990	P	<0.1	<0.1	<0.1	<0.5	<0.1	--
PL5E	PL5E-2065	5	4/17/1990	P	<1	<1	<1	<5	<1	--
TB3-001	TB03-001@0-1	1	11/25/1997	P	--	--	--	<1.6	<0.33	--
TB3-001	TB03-001@5-6	6	11/25/1997	P	--	--	--	<1.6	<0.33	--
TB3-002	TB03-002@0-1	1	11/24/1997	P	--	--	--	<16	<3.3	--
TB3-002	TB03-002@0-1D	1	11/24/1997	FD	--	--	--	<1.6	<0.33	--
TB3-002	TB03-002@6-7	7	11/24/1997	P	--	--	--	<1.6	<0.33	--
TB3-002	TB03-002@18-19	19	11/24/1997	P	--	--	--	<1.6	<0.33	--
TB3-003	TB03-003@0-1	1	11/18/1997	P	--	--	--	<1.6	<0.33	--
TB3-003	TB03-003@5-6	6	11/24/1997	P	--	--	--	<1.6	<0.33	--
TB3-003	TB03-003@9-10	10	11/24/1997	P	--	--	--	<1.6	<0.33	--
TB3-007	TB03-007@0-1	1	11/24/1997	P	--	--	--	<1.6	<0.33	--
TB3-007	TB03-007@6-8	8	11/24/1997	P	--	--	--	<1.6	<0.32	--
TB3-007	TB03-007@10-11	11	11/24/1997	P	--	--	--	<1.6	<0.32	--
TB3-008	TB03-008@0-1	1	11/25/1997	P	--	--	--	<3.2	<0.66	--
TB3-008	TB03-008@5-6	6	11/25/1997	P	--	--	--	<1.6	<0.33	--
TB3-008	TB03-008@10-11	11	11/25/1997	P	--	--	--	<3.2	<0.66	--
TB3-009	TB03-009@0-1	1	11/25/1997	P	--	--	--	<1.6	<0.33	--
TB3-009	TB03-009@6-8	8	11/25/1997	P	--	--	--	<9.6	<2	--
TB3-009	TB03-009@6-8D	8	11/25/1997	FD	--	--	--	<9.6 J	<2 J	--

TABLE A-7
ANALYTICAL DATA: INORGANICS IN SOIL
TANK FARM AREA, POTRERO POWER PLANT
SAN FRANCISCO, CALIFORNIA

Location ID	Sample ID	Bottom Depth (feet bgs)	Sample Date	Sample Type	Ammonia	Cyanide	Sulfide
GB-130	GB-130-10.0	10	11/15/2017	P	--	**2.3**	--
GB-130	GB-130-15.0	15	11/15/2017	P	--	**2.6**	--
GB-130	GB-130-19.0	19	11/15/2017	P	--	**0.76**	--
GB-130	GB-130-2.0	2	11/14/2017	P	--	<3.0	--
GB-130	GB-130-25.75	25.75	11/15/2017	P	--	**47**	--
GB-130	GB-130-5.0	5	11/15/2017	P	--	**1.6**	--
GB-131	GB-131-12.5	12.5	12/4/2017	P	--	**13**	--
GB-131	GB-131-2.0	2	11/13/2017	P	--	**11**	--
GB-131	GB-131-28.0	28	12/4/2017	P	--	**7.8**	--
GB-132	GB-132-5.0	5	11/13/2017	P	--	**1.2**	--
GB-135	GB-135-10.5	10.5	11/20/2017	P	--	**14**	--
GB-140	GB-140-4.75	4.75	11/9/2017	P	--	**4.8**	--
GB-141	GB-141-2.0	2	11/17/2017	P	--	<0.50	--
GB-141	GB-141-7.5	7.5	12/7/2017	P	--	**6.6**	--
GB-142	GB-142-10.0	10	11/8/2017	P	--	**7**	--
GB-142	GB-142-20.0	20	11/8/2017	P	--	**0.6**	--
GB-143	GB-143-10.5	10.5	11/9/2017	P	--	**2**	--
GB-144	GB-144-5.5	5.5	11/10/2017	P	--	**11**	--
GB-145	GB-145-14.0	14	11/14/2017	P	--	<0.50	--
GB-146	GB-146-4.0	4	12/5/2017	P	--	**67**	--
GB-146A	GB-146A-7.5	7.5	1/5/2018	P	--	**8**	--
GB-147	GB-147-2.0	2	11/10/2017	P	--	**8.2**	--
GB-147	GB-147-9.25	9.25	11/10/2017	P	--	**24**	--
GB-148	GB-148-7.5	7.5	11/7/2017	P	--	**6.9**	--
GB-150	GB-150-10.0	10	11/10/2017	P	--	**11**	--
GB-150	GB-150-2.0	2	11/9/2017	P	--	**7.9**	--
GB-151	GB-151-15.0	15	12/5/2017	P	--	**10**	--
GB-151	GB-151-19.0	19	12/5/2017	P	--	**1.4**	--
GB-151	GB-151-26.0	26	12/6/2017	P	--	<0.50	--
GB-151	GB-151-9.5	9.5	12/5/2017	P	--	**17**	--
GB-152	GB-152-13.5	13.5	11/21/2017	P	--	**11**	--
GB-153	GB-153-18.0	18	12/5/2017	P	--	**0.78**	--
MW-POT-10	MW-POT-10-10	10.5	2/27/1991	P	3.6	<1.1	<4.0
MW-POT-10	MW-POT-10-6	6.5	2/27/1991	P	0.84	<1.1	<4.0
MW-POT-11	MW-POT-11-2	2.5	3/5/1991	P	--	**1.2**	<4.0
MW-POT-11	MW-POT-11-6	6.5	3/5/1991	P	--	<1.1	<4.0
MW-POT-12	MW-POT-12-10.5	11	2/26/1991	P	20	**2.4**	46
MW-POT-12	MW-POT-12-15.5	16	2/26/1991	P	11	**2**	50
MW-POT-12	MW-POT-12-3	3.5	2/26/1991	P	9.6	<1.1	<8.0
MW-POT-12	MW-POT-12-5.5	6	2/26/1991	P	12	**17**	<40
PA-4	8605111-04	1	5/28/1986	P	--	<1.0	--
PA-5	8605111-05	1	5/28/1986	P	--	**6**	--
SS-POT-2	SS-POT-2	0.5	2/27/1991	P	5.2	**14**	<4.0
SS-POT-4	SS-POT-4	0.5	2/27/1991	P	1.8	<1.1	<4.0
TB3-001	TB03-001@0-1	1	11/25/1997	P	--	<0.50	--
TB3-001	TB03-001@5-6	6	11/25/1997	P	--	<0.50	--
TB3-002	TB03-002@0-1	1	11/24/1997	P	--	**0.8**	--
TB3-002	TB03-002@0-1D	1	11/24/1997	FD	--	<0.50	--
TB3-002	TB03-002@18-19	19	11/24/1997	P	--	<0.50	--
TB3-002	TB03-002@6-7	7	11/24/1997	P	--	<0.50	--
TB3-003	TB03-003@0-1	1	11/18/1997	P	--	<0.50	--
TB3-003	TB03-003@5-6	6	11/24/1997	P	--	<0.50	--
TB3-003	TB03-003@9-10	10	11/24/1997	P	--	<0.50	--
TB3-007	TB03-007@0-1	1	11/24/1997	P	--	<0.50	--
TB3-007	TB03-007@10-11	11	11/24/1997	P	--	<0.50	--

TABLE A-7
ANALYTICAL DATA: INORGANICS IN SOIL
TANK FARM AREA, POTRERO POWER PLANT
SAN FRANCISCO, CALIFORNIA

Location ID	Sample ID	Bottom Depth (feet bgs)	Sample Date	Sample Type	Ammonia	Cyanide	Sulfide
TB3-007	TB03-007@6-8	8	11/24/1997	P	--	<0.50	--
TB3-008	TB03-008@0-1	1	11/25/1997	P	--	<0.50	--
TB3-008	TB03-008@10-11	11	11/25/1997	P	--	**0.9**	--
TB3-008	TB03-008@5-6	6	11/25/1997	P	--	<0.50	--
TB3-009	TB03-009@0-1	1	11/25/1997	P	--	**30**	--
TB3-009	TB03-009@6-8	8	11/25/1997	P	--	<0.50	--
TB3-009	TB03-009@6-8D	8	11/25/1997	FD	--	<0.50	--
TB3-012	TB0312@25-26	26	2/27/1998	P	--	<0.25	--
TB3-012	TB0312@25-26D	26	2/27/1998	FD	--	<0.25	--
TB3-012	TB0312@29.5-30	30	2/27/1998	P	--	<0.25	--
TB3-012	TB0312@33-34	34	2/27/1998	P	--	<0.25	--

Notes:
All analytical results are wet weight results in milligrams per kilogram (mg/kg), with the exception of cyanide results in soil samples MW-POT-10, MW-POT-11, MW-POT-12, SS-POT-2, and SS-POT-4, which are dry weight results.
Detected results are presented in **bold**.
-- = Not analyzed for
< = Analyte was not detected at the given detection limit
bgs = Below ground surface
FD = Field duplicate
P = Primary sample

TABLE A-8
ANALYTICAL DATA: PESTICIDES IN SOIL
TANK FARM AREA, POTRERO POWER PLANT
SAN FRANCISCO, CALIFORNIA

Location ID	Sample ID	Bottom Depth (feet bgs)	Sample Date	Sample Type	Aldrin	alpha-HCH	beta-HCH	Chlordane	DDD	DDE	DDT	delta-HCH	Dieldrin	Endosulfan (alpha)	Endosulfan (beta)	Endosulfan sulfate	Endrin	Endrin aldehyde	gamma-HCH	Heptachlor epoxide	Hexachlor	Toxaphene
B-2-1989	B-2-4-2059	3.5	4/24/1989	P	<0.010	<0.010	<0.010	<0.25	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.25

Notes:
No information regarding if soil samples were provided in dry or wet weight was provided.
-- = Not analyzed for
< = Analyte was not detected at the given detection limit
bgs = Below ground surface
P = Primary sample

TABLE A-9
ANALYTICAL DATA: VOLATILE ORGANIC COMPOUNDS IN SOIL VAPOR
TANK FARM AREA, POTRERO POWER PLANT
SAN FRANCISCO, CALIFORNIA

Location ID	Sample ID	Sample Depth (feet bgs)	Sample Date	Sample Type	Sample Method	1,1,1,2-Tetrachloro-ethane	1,1,1-Trichloro-ethane	1,1,2,2-Tetrachloro-ethane	1,1,2-Trichloro-ethane	1,1,2-Trichloro-trifluoroethane (Freon 113)	1,1-Dichloroethane	1,1-Dichloroethene	1,1-Dichloro-propene	1,2,3-Trichloro-benzene	1,2,3-Trichloro-propane	1,2,4-Trichloro-benzene
GB-135	GB-135-SV-4	4	12/18/2017	P	TO-15	--	<0.0027	<0.0069	<0.0027	<0.011	<0.002	<0.002	--	--	--	<0.015
GB-137	GB-137-SV-4	4	12/15/2017	P	TO-15	--	<0.0027	<0.0069	<0.0027	<0.011	<0.002	<0.002	--	--	--	<0.015
GB-141	GB-141-SV-8	8	12/15/2017	P	TO-15	--	<0.0027	<0.0069	<0.0027	<0.011	<0.002	<0.002	--	--	--	<0.015
GB-142	GB-142-SV-6	6	12/14/2017	P	TO-15	--	<0.0089	<0.022	<0.0089	<0.037	<0.0066	<0.0064	--	--	--	<0.048
GB-143	GB-143-SV-6	6	12/14/2017	P	TO-15	--	<0.047	<0.12	<0.047	<0.2	<0.035	<0.034	--	--	--	<0.26
GB-145	GB-145-SV-5	5	12/14/2017	P	TO-15	--	<0.0028	<0.0069	<0.0028	<0.012	<0.002	<0.002	--	--	--	<0.015
GB-146	GB-146-SV-7	7	12/18/2017	P	TO-15	--	<0.014	<0.034	<0.014	<0.057	<0.01	<0.0099	--	--	--	<0.074
GB-147	GB-147-SV-5	5	12/15/2017	P	TO-15	--	<0.11	<0.27	<0.11	<0.46	<0.081	<0.079	--	--	--	<0.59
GB-148	GB-148-SV-6	6	12/18/2017	P	TO-15	--	<0.11	<0.27	<0.11	<0.46	<0.081	<0.079	--	--	--	<0.59
GB-149A	GB-149A-SV-5	5	2/28/2018	P	TO-15	--	<0.0027	<0.0069	<0.0027	<0.011	<0.002	<0.002	--	--	--	<0.015
GB-150A	GB-150A-SV-5	5	2/28/2018	P	TO-15	--	<0.0027	<0.0069	<0.0027	<0.011	<0.002	<0.002	--	--	--	<0.015
GB-151	GB-151-SV-5	5	12/18/2017	P	TO-15	--	<0.11	<0.27	<0.11	<0.46	<0.081	<0.079	--	--	--	<0.59
	GB-151-SV-8	8	12/18/2017	P	TO-15	--	<0.11	<0.27	<0.11	<0.46	<0.081	<0.079	--	--	--	<0.59
GB-152	GB-152-SV-6	6	12/14/2017	P	TO-15	--	<0.0073	<0.018	<0.0073	<0.031	<0.0054	<0.0053	--	--	--	<0.04
GB-153	GB-153-SV-8	8	12/15/2017	P	TO-15	--	<0.017	<0.043	<0.017	<0.072	<0.013	<0.012	--	--	--	<0.093
GB-154	GB-154-SV-5	5	12/18/2017	P	TO-15	--	<0.0027	<0.0069	<0.0027	<0.011	<0.002	<0.002	--	--	--	<0.015
	DUP-121817	5	12/18/2017	FD	TO-15	--	<0.0027	<0.0069	<0.0027	<0.011	<0.002	<0.002	--	--	--	<0.015
GB-155B	GB-155B-SV-5	5	2/27/2018	P	TO-15	--	<0.11	<0.27	<0.11	<0.46	<0.081	<0.079	--	--	--	<0.59
GB-155C	GB-155C-SV-3	3	2/28/2018	P	TO-15	--	<0.011	<0.027	<0.011	<0.046	<0.0081	<0.0079	--	--	--	<0.059
GB-156B	GB-156B-SV-5	5	2/28/2018	P	TO-15	--	<0.0027	<0.0069	<0.0027	<0.011	<0.002	<0.002	--	--	--	<0.015
GB-174	GB-174-SV-5	5	2/28/2018	P	TO-15	--	<0.0028	<0.007	<0.0028	<0.012	<0.0021	<0.002	--	--	--	<0.015
	DUP-022818	5	2/28/2018	FD	TO-15	--	<0.0027	<0.0069	<0.0027	<0.011	<0.002	<0.002	--	--	--	<0.015
SV08	SV08A	4	11/4/2009	P	8260B	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008
	SV08A	4	11/4/2009	P	TO-15	--	<0.062	<0.079	<0.062	<0.088	<0.046	<0.045	--	--	--	<0.34
	SV08A-091510	4	9/15/2010	P	8260B	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008
SV09	SV09	5	11/4/2009	P	8260B	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008
	SV09	5	9/15/2010	P	TO-15	--	<0.065	<0.082	<0.065	<0.091	<0.048	<0.047	--	--	--	<0.35
	SV09-5' 1P	5	9/15/2010	1P	8260B	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008
	SV09-5' 3P	5	9/15/2010	3P	8260B	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008
	SV09-5' 10P	5	9/15/2010	10P	8260B	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008
SV19	SV19	4.4	11/4/2009	P	8260B	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008
SV22	SV22	3	11/3/2009	P	8260B	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008
SV24	SV24	5.2	11/3/2009	P	TO-15	--	<2.5	<3.2	<2.5	<3.6	<1.9	<1.8	--	--	--	<14
	SV24-1P	5.2	11/3/2009	1P	8260B	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008
	SV24-3P	5.2	11/3/2009	3P	8260B	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008
	SV24-7P	5.2	11/3/2009	7P	8260B	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008
	SV24-5.2'	5.2	9/15/2010	P	8260B	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008
SV25	SV25	3.2	11/5/2009	P	8260B	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008
	SV25-3.2 1P	3.2	9/15/2010	1P	8260B	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008
	SV25-3.2 3P	3.2	9/15/2010	3P	8260B	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008
	SV25-3.2 10P	3.2	9/15/2010	10P	8260B	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008
SV30	SV30	6	11/3/2009	P	8260B	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008
	SV30-6.0'	6	9/15/2010	P	8260B	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008

TABLE A-9
ANALYTICAL DATA: VOLATILE ORGANIC COMPOUNDS IN SOIL VAPOR
TANK FARM AREA, POTRERO POWER PLANT
SAN FRANCISCO, CALIFORNIA

Location ID	Sample ID	Sample Depth (feet bgs)	Sample Date	Sample Type	1,2,4-Trimethyl-benzene	1,2-Dibromo-3-Chloropropane (DBCP)	1,2-Dibromoethane (EDB)	1,2-Dichloro-benzene	1,2-Dichloroethane	1,2-Dichloro-propane	1,2-Dichlorotetra-fluoroethane (Freon 114)	1,3,5-Trimethyl-benzene	1,3-Butadiene	1,3-Dichloro-benzene	1,3-Dichloro-propane	1,3-Dichloro-propene
GB-135	GB-135-SV-4	4	12/18/2017	P	<0.0074	--	<0.0038	<0.003	<0.002	<0.0023	<0.014	<0.0025	--	<0.003	--	--
GB-137	GB-137-SV-4	4	12/15/2017	P	<0.0074	--	<0.0038	<0.003	<0.002	<0.0023	<0.014	**0.0026**	--	<0.003	--	--
GB-141	GB-141-SV-8	8	12/15/2017	P	<0.0074	--	<0.0038	<0.003	<0.002	<0.0023	<0.014	<0.0025	--	<0.003	--	--
GB-142	GB-142-SV-6	6	12/14/2017	P	<0.024	--	<0.012	<0.0098	<0.0066	<0.0075	<0.045	<0.008	--	<0.0098	--	--
GB-143	GB-143-SV-6	6	12/14/2017	P	**0.15**	--	<0.067	<0.052	<0.035	<0.04	<0.24	**0.76**	--	<0.052	--	--
GB-145	GB-145-SV-5	5	12/14/2017	P	<0.0074	--	<0.0039	<0.003	<0.002	<0.0023	<0.014	<0.0025	--	<0.003	--	--
GB-146	GB-146-SV-7	7	12/18/2017	P	**3.9**	--	<0.019	<0.015	<0.01	<0.012	<0.07	**1.6**	--	<0.015	--	--
GB-147	GB-147-SV-5	5	12/15/2017	P	<0.29	--	<0.15	<0.12	<0.081	<0.092	<0.56	<0.098	--	<0.12	--	--
GB-148	GB-148-SV-6	6	12/18/2017	P	**1.6**	--	<0.15	<0.12	<0.081	<0.092	<0.56	**0.81**	--	<0.12	--	--
GB-149A	GB-149A-SV-5	5	2/28/2018	P	<0.0074	--	<0.0038	<0.003	<0.002	<0.0023	<0.014	<0.0025	--	<0.003	--	--
GB-150A	GB-150A-SV-5	5	2/28/2018	P	<0.0074	--	<0.0038	<0.003	<0.002	<0.0023	<0.014	<0.0025	--	<0.003	--	--
GB-151	GB-151-SV-5	5	12/18/2017	P	<0.29	--	<0.15	<0.12	<0.081	<0.092	<0.56	<0.098	--	<0.12	--	--
	GB-151-SV-8	8	12/18/2017	P	**1.2**	--	<0.15	<0.12	<0.081	<0.092	<0.56	**0.76**	--	<0.12	--	--
GB-152	GB-152-SV-6	6	12/14/2017	P	<0.02	--	<0.01	<0.0081	<0.0054	<0.0062	<0.037	<0.0066	--	<0.0081	--	--
GB-153	GB-153-SV-8	8	12/15/2017	P	<0.046	--	<0.024	<0.019	<0.013	<0.014	<0.087	<0.015	--	<0.019	--	--
GB-154	GB-154-SV-5	5	12/18/2017	P	<0.0074	--	<0.0038	<0.003	<0.002	<0.0023	<0.014	<0.0025	--	<0.003	--	--
	DUP-121817	5	12/18/2017	FD	<0.0074	--	<0.0038	<0.003	<0.002	<0.0023	<0.014	<0.0025	--	<0.003	--	--
GB-155B	GB-155B-SV-5	5	2/27/2018	P	<0.29	--	<0.15	<0.12	<0.081	<0.092	<0.56	<0.098	--	<0.12	--	--
GB-155C	GB-155C-SV-3	3	2/28/2018	P	<0.029	--	<0.069	<0.012	<0.0081	<0.0092	<0.056	<0.0098	--	<0.012	--	--
GB-156B	GB-156B-SV-5	5	2/28/2018	P	<0.0074	--	<0.0038	<0.003	<0.002	<0.0023	<0.014	<0.0025	--	<0.003	--	--
GB-174	GB-174-SV-5	5	2/28/2018	P	<0.0075	--	<0.0039	<0.0031	<0.0021	<0.0024	<0.014	<0.0025	--	<0.0031	--	--
	DUP-022818	5	2/28/2018	FD	<0.0074	--	<0.0038	<0.003	<0.002	<0.0023	<0.014	<0.0025	--	<0.003	--	--
SV08	SV08A	4	11/4/2009	P	**0.038**	<0.008	<0.008	<0.008	<0.008	<0.008	--	<0.008	--	<0.008	<0.008	<0.008
	SV08A	4	11/4/2009	P	<0.056	--	<0.088	<0.069	<0.046	<0.053	--	<0.056	<0.025	<0.069	--	--
	SV08A-091510	4	9/15/2010	P	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	--	<0.008	--	<0.008	<0.008	<0.008
SV09	SV09	5	11/4/2009	P	**0.908**	<0.008	<0.008	<0.008	<0.008	<0.008	--	**0.222**	--	<0.008	<0.008	--
	SV09	5	9/15/2010	P	**0.088**	--	<0.091	<0.072	<0.048	<0.055	--	<0.058	<0.026	<0.072	--	--
	SV09-5' 1P	5	9/15/2010	1P	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	--	<0.008	--	<0.008	--	<0.008
	SV09-5' 3P	5	9/15/2010	3P	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	--	<0.008	--	<0.008	--	<0.008
	SV09-5' 10P	5	9/15/2010	10P	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	--	<0.008	--	<0.008	--	<0.008
SV19	SV19	4.4	11/4/2009	P	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	--	<0.008	--	<0.008	<0.008	--
SV22	SV22	3	11/3/2009	P	**0.392**	<0.008	<0.008	<0.008	<0.008	<0.008	--	**0.148**	--	<0.008	<0.008	<0.008
SV24	SV24	5.2	11/3/2009	P	**8.2**	--	<3.6	<2.8	<1.9	<2.2	--	**2.8**	<1	<2.8	--	--
	SV24-1P	5.2	11/3/2009	1P	**4.27**	<0.008	<0.008	<0.008	<0.008	<0.008	--	**4.86**	--	<0.008	--	<0.008
	SV24-3P	5.2	11/3/2009	3P	**5.73**	<0.008	<0.008	<0.008	<0.008	<0.008	--	**3.11**	--	<0.008	--	<0.008
	SV24-7P	5.2	11/3/2009	7P	**4.14**	<0.008	<0.008	<0.008	<0.008	<0.008	--	**2.28**	--	<0.008	--	<0.008
	SV24-5.2'	5.2	9/15/2010	P	**6.21**	<0.008	<0.008	<0.008	<0.008	<0.008	--	**1.83**	--	<0.008	--	<0.008
SV25	SV25	3.2	11/5/2009	P	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	--	<0.008	--	<0.008	<0.008	<0.008
	SV25-3.2 1P	3.2	9/15/2010	1P	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	--	<0.008	--	<0.008	--	<0.008
	SV25-3.2 3P	3.2	9/15/2010	3P	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	--	<0.008	--	<0.008	--	<0.008
	SV25-3.2 10P	3.2	9/15/2010	10P	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	--	<0.008	--	<0.008	--	<0.008
SV30	SV30	6	11/3/2009	P	**0.235**	<0.008	<0.008	<0.008	<0.008	<0.008	--	**0.062**	--	<0.008	<0.008	--
	SV30-6.0'	6	9/15/2010	P	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	--	<0.008	--	<0.008	<0.008	<0.008

TABLE A-9
ANALYTICAL DATA: VOLATILE ORGANIC COMPOUNDS IN SOIL VAPOR
TANK FARM AREA, POTRERO POWER PLANT
SAN FRANCISCO, CALIFORNIA

Location ID	Sample ID	Sample Depth (feet bgs)	Sample Date	Sample Type	1,4-Dichloro-benzene	1,4-Dioxane	2,2,4-Trimethyl-pentane	2,2-Dichloro-propane	2-Butanone (MEK)	2-Chlorotoluene	2-Hexanone (Methyl butyl ketone)	2-Propanol	3-Chloropropene	4-Chlorotoluene	4-Ethyltoluene	4-Methyl-2-pentanone (MIBK)
GB-135	GB-135-SV-4	4	12/18/2017	P	<0.003	--	--	--	<0.0044	--	<0.0061	--	--	--	<0.0025	<0.0061
GB-137	GB-137-SV-4	4	12/15/2017	P	<0.003	--	--	--	<0.0044	--	<0.0061	--	--	--	<0.0025	<0.0061
GB-141	GB-141-SV-8	8	12/15/2017	P	<0.003	--	--	--	**0.0051**	--	<0.0061	--	--	--	<0.0025	<0.0061
GB-142	GB-142-SV-6	6	12/14/2017	P	<0.0098	--	--	--	<0.014	--	<0.02	--	--	--	<0.008	<0.02
GB-143	GB-143-SV-6	6	12/14/2017	P	<0.052	--	--	--	<0.077	--	<0.11	--	--	--	**0.27**	<0.11
GB-145	GB-145-SV-5	5	12/14/2017	P	<0.003	--	--	--	<0.0045	--	<0.0062	--	--	--	<0.0025	<0.0062
GB-146	GB-146-SV-7	7	12/18/2017	P	<0.015	--	--	--	<0.022	--	<0.031	--	--	--	**0.56**	<0.031
GB-147	GB-147-SV-5	5	12/15/2017	P	<0.12	--	--	--	<0.18	--	<0.25	--	--	--	<0.098	<0.25
GB-148	GB-148-SV-6	6	12/18/2017	P	<0.12	--	--	--	<0.18	--	<0.25	--	--	--	**0.55**	<0.25
GB-149A	GB-149A-SV-5	5	2/28/2018	P	<0.003	--	--	--	<0.0044	--	<0.0061	--	--	--	<0.0025	<0.0061
GB-150A	GB-150A-SV-5	5	2/28/2018	P	<0.003	--	--	--	<0.0044	--	<0.0061	--	--	--	<0.0025	<0.0061
GB-151	GB-151-SV-5	5	12/18/2017	P	<0.12	--	--	--	<0.18	--	<0.25	--	--	--	<0.098	<0.25
	GB-151-SV-8	8	12/18/2017	P	<0.12	--	--	--	<0.18	--	<0.25	--	--	--	**1.7**	<0.25
GB-152	GB-152-SV-6	6	12/14/2017	P	<0.0081	--	--	--	<0.012	--	<0.016	--	--	--	<0.0066	<0.016
GB-153	GB-153-SV-8	8	12/15/2017	P	<0.019	--	--	--	<0.028	--	<0.038	--	--	--	<0.015	<0.038
GB-154	GB-154-SV-5	5	12/18/2017	P	<0.003	--	--	--	<0.0044	--	<0.0061	--	--	--	<0.0025	<0.0061
	DUP-121817	5	12/18/2017	FD	<0.003	--	--	--	<0.0044	--	<0.0061	--	--	--	<0.0025	<0.0061
GB-155B	GB-155B-SV-5	5	2/27/2018	P	<0.12	--	--	--	<0.18	--	<0.25	--	--	--	<0.098	<0.25
GB-155C	GB-155C-SV-3	3	2/28/2018	P	<0.012	--	--	--	<0.018	--	<0.025	--	--	--	<0.0098	<0.025
GB-156B	GB-156B-SV-5	5	2/28/2018	P	<0.003	--	--	--	<0.0044	--	<0.0061	--	--	--	<0.0025	<0.0061
GB-174	GB-174-SV-5	5	2/28/2018	P	<0.0031	--	--	--	<0.0045	--	<0.0063	--	--	--	<0.0025	<0.0063
	DUP-022818	5	2/28/2018	FD	<0.003	--	--	--	**0.0081**	--	<0.0061	--	--	--	<0.0025	<0.0061
SV08	SV08A	4	11/4/2009	P	<0.008	--	--	<0.008	--	<0.008	--	--	--	<0.008	--	--
	SV08A	4	11/4/2009	P	<0.069	<0.16	<0.053	--	<0.034	--	<0.19	<0.11	<0.14	--	<0.056	<0.047
	SV08A-091510	4	9/15/2010	P	<0.008	--	--	<0.008	--	<0.008	--	--	--	<0.008	--	--
SV09	SV09	5	11/4/2009	P	<0.008	--	--	<0.008	--	<0.008	--	--	--	<0.008	--	--
	SV09	5	9/15/2010	P	<0.072	<0.17	**0.37**	--	<0.035	--	<0.19	<0.12	<0.15	--	**0.19**	<0.049
	SV09-5' 1P	5	9/15/2010	1P	<0.008	--	--	<0.008	--	<0.008	--	--	--	<0.008	--	--
	SV09-5' 3P	5	9/15/2010	3P	<0.008	--	--	<0.008	--	<0.008	--	--	--	<0.008	--	--
	SV09-5' 10P	5	9/15/2010	10P	<0.008	--	--	<0.008	--	<0.008	--	--	--	<0.008	--	--
SV19	SV19	4.4	11/4/2009	P	<0.008	--	--	<0.008	--	<0.008	--	--	--	<0.008	--	--
SV22	SV22	3	11/3/2009	P	<0.008	--	--	<0.008	--	<0.008	--	--	--	<0.008	--	--
SV24	SV24	5.2	11/3/2009	P	<2.8	<6.7	<2.2	--	<1.4	--	<7.6	<4.6	<5.8	--	**5.3**	<1.9
	SV24-1P	5.2	11/3/2009	1P	<0.008	--	--	<0.008	--	<0.008	--	--	--	<0.008	--	--
	SV24-3P	5.2	11/3/2009	3P	<0.008	--	--	<0.008	--	<0.008	--	--	--	<0.008	--	--
	SV24-7P	5.2	11/3/2009	7P	<0.008	--	--	<0.008	--	<0.008	--	--	--	<0.008	--	--
	SV24-5.2'	5.2	9/15/2010	P	<0.008	--	--	<0.008	--	<0.008	--	--	--	<0.008	--	--
SV25	SV25	3.2	11/5/2009	P	<0.008	--	--	<0.008	--	<0.008	--	--	--	<0.008	--	--
	SV25-3.2 1P	3.2	9/15/2010	1P	<0.008	--	--	<0.008	--	<0.008	--	--	--	<0.008	--	--
	SV25-3.2 3P	3.2	9/15/2010	3P	<0.008	--	--	<0.008	--	<0.008	--	--	--	<0.008	--	--
	SV25-3.2 10P	3.2	9/15/2010	10P	<0.008	--	--	<0.008	--	<0.008	--	--	--	<0.008	--	--
SV30	SV30	6	11/3/2009	P	<0.008	--	--	<0.008	--	<0.008	--	--	--	<0.008	--	--
	SV30-6.0'	6	9/15/2010	P	<0.008	--	--	<0.008	--	<0.008	--	--	--	<0.008	--	--

TABLE A-9
ANALYTICAL DATA: VOLATILE ORGANIC COMPOUNDS IN SOIL VAPOR
TANK FARM AREA, POTRERO POWER PLANT
SAN FRANCISCO, CALIFORNIA

Location ID	Sample ID	Sample Depth (feet bgs)	Sample Date	Sample Type	Acetone	Benzene	Benzylchloride	Bromobenzene	Bromodichloro-methane	Bromoform	Bromomethane	Carbon Disulfide	Carbon Tetrachloride	Chlorobenzene	Chlorodibromo-methane
GB-135	GB-135-SV-4	4	12/18/2017	P	**0.018**	**0.0017**	<0.0078	--	<0.0034	<0.0052	<0.0019	**0.0066**	<0.0031	<0.0023	<0.0043
GB-137	GB-137-SV-4	4	12/15/2017	P	**0.02**	**0.019**	<0.0078	--	<0.0034	<0.0052	<0.0019	**0.16**	<0.0031	<0.0023	<0.0043
GB-141	GB-141-SV-8	8	12/15/2017	P	**0.033**	**0.073**	<0.0078	--	<0.0034	<0.0052	<0.0019	**0.16**	<0.0031	<0.0023	<0.0043
GB-142	GB-142-SV-6	6	12/14/2017	P	<0.015	**0.065**	<0.025	--	<0.011	<0.017	<0.0063	<0.02	<0.01	<0.0075	<0.014
GB-143	GB-143-SV-6	6	12/14/2017	P	<0.083	**2.7**	<0.14	--	<0.058	<0.09	<0.034	**0.12**	<0.055	<0.04	<0.074
GB-145	GB-145-SV-5	5	12/14/2017	P	**0.0082**	<0.0016	<0.0078	--	<0.0034	<0.0052	<0.002	<0.0063	<0.0032	<0.0023	<0.0043
GB-146	GB-146-SV-7	7	12/18/2017	P	**0.074**	**11**	<0.039	--	<0.017	<0.026	<0.0097	**0.098**	<0.016	<0.012	<0.021
GB-147	GB-147-SV-5	5	12/15/2017	P	<0.19	**1.8**	<0.31	--	<0.13	<0.21	<0.078	<0.25	<0.13	<0.092	<0.17
GB-148	GB-148-SV-6	6	12/18/2017	P	**0.61**	**280**	<0.31	--	<0.13	<0.21	<0.078	<0.25	<0.13	<0.092	<0.17
GB-149A	GB-149A-SV-5	5	2/28/2018	P	**0.0074**	**0.007**	<0.0078	--	<0.0034	<0.0052	<0.0019	<0.0062	<0.0031	<0.0023	<0.0043
GB-150A	GB-150A-SV-5	5	2/28/2018	P	**0.063**	**0.0096**	<0.0078	--	<0.0034	<0.0052	<0.0019	**0.017**	<0.0031	<0.0023	<0.0043
GB-151	GB-151-SV-5	5	12/18/2017	P	<0.19	**77 J**	<0.31	--	<0.13	<0.21	<0.078	<0.25	<0.13	<0.092	<0.17
	GB-151-SV-8	8	12/18/2017	P	<0.19	**260**	<0.31	--	<0.13	<0.21	<0.078	<0.25	<0.13	<0.092	<0.17
GB-152	GB-152-SV-6	6	12/14/2017	P	<0.013	<0.0043	<0.021	--	<0.009	<0.014	<0.0052	<0.017	<0.0084	<0.0062	<0.011
GB-153	GB-153-SV-8	8	12/15/2017	P	<0.03	**0.034**	<0.049	--	<0.021	<0.032	<0.012	**0.14**	<0.02	<0.014	<0.027
GB-154	GB-154-SV-5	5	12/18/2017	P	<0.0048	<0.0016	<0.0078	--	<0.0034	<0.0052	<0.0019	<0.0062	<0.0031	<0.0023	<0.0043
	DUP-121817	5	12/18/2017	FD	**0.011**	<0.0016	<0.0078	--	<0.0034	<0.0052	<0.0019	<0.0062	<0.0031	<0.0023	<0.0043
GB-155B	GB-155B-SV-5	5	2/27/2018	P	<0.19	**5.2**	<0.31	--	<0.13	<0.21	<0.078	<0.25	<0.13	<0.092	<0.17
GB-155C	GB-155C-SV-3	3	2/28/2018	P	**0.08**	**0.038**	<0.031	--	<0.013	<0.021	<0.0078	<0.025	<0.013	<0.0092	<0.017
GB-156B	GB-156B-SV-5	5	2/28/2018	P	**0.012**	<0.0016	<0.0078	--	<0.0034	<0.0052	<0.0019	<0.0062	<0.0031	<0.0023	<0.0043
GB-174	GB-174-SV-5	5	2/28/2018	P	**0.043**	<0.0016	<0.0079	--	<0.0034	<0.0053	<0.002	<0.0064	<0.0032	<0.0023	<0.0043
	DUP-022818	5	2/28/2018	FD	**0.03**	<0.0016	<0.0078	--	<0.0034	<0.0052	<0.0019	<0.0062	<0.0031	<0.0023	<0.0043
SV08	SV08A	4	11/4/2009	P	--	<0.008	--	<0.008	<0.008	<0.008	--	--	<0.008	<0.008	<0.008
	SV08A	4	11/4/2009	P	<0.11	<0.036	<0.059	--	<0.077	<0.12	<0.044	<0.036	<0.072	<0.053	<0.098
	SV08A-091510	4	9/15/2010	P	--	<0.008	--	<0.008	<0.008	<0.008	--	--	<0.008	<0.008	<0.008
SV09	SV09	5	11/4/2009	P	--	**238**	--	<0.008	<0.008	<0.008	--	--	<0.008	<0.008	<0.008
	SV09	5	9/15/2010	P	<0.11	**0.91**	<0.062	--	<0.08	<0.12	<0.046	<0.037	<0.075	<0.055	<0.1
	SV09-5' 1P	5	9/15/2010	1P	--	**1.16**	--	<0.008	<0.008	<0.008	--	--	<0.008	<0.008	<0.008
	SV09-5' 3P	5	9/15/2010	3P	--	**1.93**	--	<0.008	<0.008	<0.008	--	--	<0.008	<0.008	<0.008
	SV09-5' 10P	5	9/15/2010	10P	--	**1.41**	--	<0.008	<0.008	<0.008	--	--	<0.008	<0.008	<0.008
SV19	SV19	4.4	11/4/2009	P	--	**0.052**	--	<0.008	<0.008	<0.008	--	--	<0.008	<0.008	<0.008
SV22	SV22	3	11/3/2009	P	--	**22.1**	--	<0.008	<0.008	<0.008	--	--	<0.008	<0.008	<0.008
SV24	SV24	5.2	11/3/2009	P	<4.4	**930**	<2.4	--	<3.1	<4.8	<1.8	<1.4	<2.9	<2.1	<4
	SV24-1P	5.2	11/3/2009	1P	--	**532**	--	<0.008	<0.008	<0.008	--	--	<0.008	<0.008	<0.008
	SV24-3P	5.2	11/3/2009	3P	--	**717**	--	<0.008	<0.008	<0.008	--	--	<0.008	<0.008	<0.008
	SV24-7P	5.2	11/3/2009	7P	--	**581**	--	<0.008	<0.008	<0.008	--	--	<0.008	<0.008	<0.008
	SV24-5.2'	5.2	9/15/2010	P	--	**303**	--	<0.008	<0.008	<0.008	--	--	<0.008	<0.008	<0.008
SV25	SV25	3.2	11/5/2009	P	--	<0.008	--	<0.008	<0.008	<0.008	--	--	<0.008	<0.008	<0.008
	SV25-3.2 1P	3.2	9/15/2010	1P	--	<0.008	--	<0.008	<0.008	<0.008	--	--	<0.008	<0.008	<0.008
	SV25-3.2 3P	3.2	9/15/2010	3P	--	<0.008	--	<0.008	<0.008	<0.008	--	--	<0.008	<0.008	<0.008
	SV25-3.2 10P	3.2	9/15/2010	10P	--	<0.008	--	<0.008	<0.008	<0.008	--	--	<0.008	<0.008	<0.008
SV30	SV30	6	11/3/2009	P	--	**2.88**	--	<0.008	<0.008	<0.008	--	--	<0.008	<0.008	<0.008
	SV30-6.0'	6	9/15/2010	P	--	**0.076**	--	<0.008	<0.008	<0.008	--	--	<0.008	<0.008	<0.008

TABLE A-9
ANALYTICAL DATA: VOLATILE ORGANIC COMPOUNDS IN SOIL VAPOR
TANK FARM AREA, POTRERO POWER PLANT
SAN FRANCISCO, CALIFORNIA

Location ID	Sample ID	Sample Depth (feet bgs)	Sample Date	Sample Type	Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethene	cis-1,3-Dichloro-propene	Cumene	Cyclohexane	Cymene	Dibromo-methane	Dichloro-difluoromethane (Freon 12)	Dichloro-tetrafluoroethane
GB-135	GB-135-SV-4	4	12/18/2017	P	<0.0013	**0.0045**	<0.001	<0.002	<0.0023	--	--	--	--	**0.0054**	--
GB-137	GB-137-SV-4	4	12/15/2017	P	<0.0013	**0.0028**	<0.001	<0.002	<0.0023	--	--	--	--	**0.1**	--
GB-141	GB-141-SV-8	8	12/15/2017	P	<0.0013	**0.029**	**0.0015**	<0.002	<0.0023	--	--	--	--	<0.0025	--
GB-142	GB-142-SV-6	6	12/14/2017	P	<0.0043	<0.0079	<0.0034	<0.0064	<0.0074	--	--	--	--	<0.008	--
GB-143	GB-143-SV-6	6	12/14/2017	P	<0.023	**0.044**	<0.018	<0.034	<0.039	--	--	--	--	<0.043	--
GB-145	GB-145-SV-5	5	12/14/2017	P	<0.0013	**0.0086**	<0.001	<0.002	<0.0023	--	--	--	--	<0.0025	--
GB-146	GB-146-SV-7	7	12/18/2017	P	<0.0066	<0.012	<0.0052	<0.0099	<0.011	--	--	--	--	<0.012	--
GB-147	GB-147-SV-5	5	12/15/2017	P	<0.053	<0.098	<0.041	<0.079	<0.091	--	--	--	--	<0.099	--
GB-148	GB-148-SV-6	6	12/18/2017	P	<0.053	<0.098	<0.041	<0.079	<0.091	--	--	--	--	<0.099	--
GB-149A	GB-149A-SV-5	5	2/28/2018	P	<0.0013	<0.0024	<0.001	<0.002	<0.0023	--	--	--	--	<0.0025	--
GB-150A	GB-150A-SV-5	5	2/28/2018	P	<0.0013	<0.0024	<0.001	**0.0036**	<0.0023	--	--	--	--	<0.0025	--
GB-151	GB-151-SV-5	5	12/18/2017	P	<0.053	<0.098	<0.041	<0.079	<0.091	--	--	--	--	<0.099	--
	GB-151-SV-8	8	12/18/2017	P	<0.053	<0.098	<0.041	<0.079	<0.091	--	--	--	--	<0.099	--
GB-152	GB-152-SV-6	6	12/14/2017	P	<0.0035	<0.0065	<0.0028	<0.0053	<0.0061	--	--	--	--	<0.0066	--
GB-153	GB-153-SV-8	8	12/15/2017	P	<0.0082	<0.015	<0.0065	<0.012	<0.014	--	--	--	--	<0.015	--
GB-154	GB-154-SV-5	5	12/18/2017	P	<0.0013	**0.0028**	<0.001	<0.002	<0.0023	--	--	--	--	<0.0025	--
	DUP-121817	5	12/18/2017	FD	<0.0013	**0.0026**	<0.001	<0.002	<0.0023	--	--	--	--	<0.0025	--
GB-155B	GB-155B-SV-5	5	2/27/2018	P	<0.053	<0.098	<0.041	<0.079	<0.091	--	--	--	--	<0.099	--
GB-155C	GB-155C-SV-3	3	2/28/2018	P	<0.0053	**0.03**	<0.0041	<0.0079	<0.0091	--	--	--	--	<0.0099	--
GB-156B	GB-156B-SV-5	5	2/28/2018	P	<0.0013	**0.0084**	<0.001	<0.002	<0.0023	--	--	--	--	**0.0037**	--
GB-174	GB-174-SV-5	5	2/28/2018	P	<0.0013	**0.0069 J**	<0.0011	<0.002	<0.0023	--	--	--	--	<0.0025	--
	DUP-022818	5	2/28/2018	FD	<0.0013	<0.0024 UJ	<0.001	<0.002	<0.0023	--	--	--	--	<0.0025	--
SV08	SV08A	4	11/4/2009	P	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	--	<0.008	<0.008	<0.008	--
	SV08A	4	11/4/2009	P	<0.03	<0.056	<0.094	<0.045	<0.052	<0.056	**0.16**	--	--	<0.057	<0.08
	SV08A-091510	4	9/15/2010	P	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	--	<0.008	<0.008	<0.008	--
SV09	SV09	5	11/4/2009	P	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	--	<0.008	<0.008	<0.008	--
	SV09	5	9/15/2010	P	<0.031	<0.058	<0.098	<0.047	<0.054	**0.095**	<0.041	--	--	<0.059	<0.083
	SV09-5' 1P	5	9/15/2010	1P	<0.008	<0.008	<0.008	<0.008	<0.008	**0.044**	--	<0.008	<0.008	<0.008	--
	SV09-5' 3P	5	9/15/2010	3P	<0.008	<0.008	<0.008	<0.008	<0.008	**0.05**	--	<0.008	<0.008	<0.008	--
	SV09-5' 10P	5	9/15/2010	10P	<0.008	<0.008	<0.008	<0.008	<0.008	**0.056**	--	<0.008	<0.008	<0.008	--
SV19	SV19	4.4	11/4/2009	P	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	--	<0.008	<0.008	<0.008	--
SV22	SV22	3	11/3/2009	P	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	--	<0.008	<0.008	<0.008	--
SV24	SV24	5.2	11/3/2009	P	<1.2	<2.3	<3.8	<1.8	<2.1	<2.3	<1.6	--	--	<2.3	<3.2
	SV24-1P	5.2	11/3/2009	1P	<0.008	<0.008	<0.008	<0.008	<0.008	**1.49**	--	<0.008	<0.008	<0.008	--
	SV24-3P	5.2	11/3/2009	3P	<0.008	<0.008	<0.008	<0.008	<0.008	**1.16**	--	**0.355**	<0.008	<0.008	--
	SV24-7P	5.2	11/3/2009	7P	<0.008	<0.008	<0.008	<0.008	<0.008	**0.636**	--	<0.008	<0.008	<0.008	--
	SV24-5.2'	5.2	9/15/2010	P	<0.008	<0.008	<0.008	<0.008	<0.008	**2.52**	--	**0.238**	<0.008	<0.008	--
SV25	SV25	3.2	11/5/2009	P	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	--	<0.008	<0.008	<0.008	--
	SV25-3.2 1P	3.2	9/15/2010	1P	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	--	<0.008	<0.008	<0.008	--
	SV25-3.2 3P	3.2	9/15/2010	3P	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	--	<0.008	<0.008	<0.008	--
	SV25-3.2 10P	3.2	9/15/2010	10P	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	--	<0.008	<0.008	<0.008	--
SV30	SV30	6	11/3/2009	P	<0.008	<0.008	<0.008	<0.008	<0.008	**1.19**	--	<0.008	<0.008	<0.008	--
	SV30-6.0'	6	9/15/2010	P	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	--	<0.008	<0.008	<0.008	--

TABLE A-9
ANALYTICAL DATA: VOLATILE ORGANIC COMPOUNDS IN SOIL VAPOR
TANK FARM AREA, POTRERO POWER PLANT
SAN FRANCISCO, CALIFORNIA

Location ID	Sample ID	Sample Depth (feet bgs)	Sample Date	Sample Type	Ethanol	Ethyl tert-butyl ether (ETBE)	Ethylbenzene	Heptane	Hexachloro-butadiene	Hexane	Isopropyl ether	m,p-Xylenes	Methyl tert-butyl ether (MTBE)	Methylene chloride	Naphthalene	n-Butylbenzene
GB-135	GB-135-SV-4	4	12/18/2017	P	**0.011**	<0.0084	<0.0022	--	<0.016	--	<0.0084	<0.0087	<0.0072	<0.017	<0.026 [a]	--
GB-137	GB-137-SV-4	4	12/15/2017	P	<0.0094	<0.0084	**0.011**	--	<0.016	--	<0.0084	**0.011**	<0.0072	<0.017	<0.026	--
GB-141	GB-141-SV-8	8	12/15/2017	P	<0.0094	<0.0084	**0.015**	--	<0.016	--	<0.0084	<0.0087	**0.016**	<0.017	<0.026	--
GB-142	GB-142-SV-6	6	12/14/2017	P	<0.031	<0.027	**0.047**	--	<0.052	--	<0.027	**0.034**	<0.023	<0.056	<0.085	--
GB-143	GB-143-SV-6	6	12/14/2017	P	<0.16	<0.15	**1.4**	--	<0.28	--	<0.15	<0.15	<0.13	<0.3	<0.46	--
GB-145	GB-145-SV-5	5	12/14/2017	P	<0.0095	<0.0084	<0.0022	--	<0.016	--	<0.0084	<0.0088	<0.0073	<0.018	<0.026	--
GB-146	GB-146-SV-7	7	12/18/2017	P	<0.047	<0.042	**16**	--	<0.08	--	<0.042	**10**	<0.036	<0.087	**13**	--
GB-147	GB-147-SV-5	5	12/15/2017	P	<0.38	<0.33	**0.44**	--	<0.64	--	<0.33	**0.58**	<0.29	<0.69	<1	--
GB-148	GB-148-SV-6	6	12/18/2017	P	<0.38	<0.33	**21 J**	--	<0.64	--	<0.33	**12**	<0.29	<0.69	**4.1 J**	--
GB-149A	GB-149A-SV-5	5	2/28/2018	P	<0.0094	<0.0084	<0.0022	--	<0.016	--	<0.0084	<0.0087	<0.0072	<0.017	<0.026	--
GB-150A	GB-150A-SV-5	5	2/28/2018	P	<0.0094	<0.0084	**0.0046**	--	<0.016	--	<0.0084	<0.0087	<0.0072	<0.017	**0.085**	--
GB-151	GB-151-SV-5	5	12/18/2017	P	<0.38	<0.33	**1.1**	--	<0.64	--	<0.33	<0.35	<0.29	<0.69	**5.6**	--
	GB-151-SV-8	8	12/18/2017	P	<0.38	<0.33	**70**	--	<0.64	--	<0.33	**12**	<0.29	<0.69	**3.7**	--
GB-152	GB-152-SV-6	6	12/14/2017	P	<0.025	<0.022	<0.0058	--	<0.043	--	<0.022	<0.023	<0.019	<0.047	<0.07	--
GB-153	GB-153-SV-8	8	12/15/2017	P	<0.059	<0.052	**0.016**	--	<0.1	--	<0.052	<0.054	<0.045	<0.11	<0.16	--
GB-154	GB-154-SV-5	5	12/18/2017	P	<0.0094	<0.0084	<0.0022	--	<0.016	--	<0.0084	<0.0087	<0.0072	<0.017	<0.026	--
	DUP-121817	5	12/18/2017	FD	<0.0094	<0.0084	<0.0022	--	<0.016	--	<0.0084	<0.0087	<0.0072	<0.017	<0.026	--
GB-155B	GB-155B-SV-5	5	2/27/2018	P	<0.38	<0.33	**0.41**	--	<0.64	--	<0.33	**0.64**	<0.29	<0.69	**1.6**	--
GB-155C	GB-155C-SV-3	3	2/28/2018	P	<0.038	<0.033	**0.01 J**	--	<0.064	--	<0.033	<0.035	<0.029	<0.069	<0.1	--
GB-156B	GB-156B-SV-5	5	2/28/2018	P	<0.0094	<0.0084	<0.0022	--	<0.016	--	<0.0084	<0.0087	<0.0072	<0.017	<0.026	--
GB-174	GB-174-SV-5	5	2/28/2018	P	**0.12 J**	<0.0085	<0.0022	--	<0.016	--	<0.0085	<0.0089	<0.0074	<0.018	<0.027	--
	DUP-022818	5	2/28/2018	FD	<0.0094 UJ	<0.0084	<0.0022	--	<0.016	--	<0.0084	<0.0087	<0.0072	<0.017	<0.026	--
SV08	SV08A	4	11/4/2009	P	--	<0.008	<0.008	--	<0.008	**1.18**	<0.008	--	<0.008	<0.008	<0.008	<0.008
	SV08A	4	11/4/2009	P	<0.086	--	<0.05	<0.047	<0.49	**0.058**	--	**0.051**	<0.041	<0.04	<0.24	--
	SV08A-091510	4	9/15/2010	P	--	<0.008	<0.008	--	<0.008	<0.008	<0.008	--	<0.008	<0.008	**0.129**	<0.008
SV09	SV09	5	11/4/2009	P	--	<0.008	<0.008	--	<0.008	<0.008	<0.008	--	<0.008	<0.008	**5.63**	<0.008
	SV09	5	9/15/2010	P	<0.09	--	**0.29**	<0.049	<0.51	**0.1**	--	**0.2**	<0.043	<0.041	**3.7**	--
	SV09-5' 1P	5	9/15/2010	1P	--	<0.008	**0.221**	--	<0.008	--	<0.008	--	<0.008	<0.008	**1.65**	<0.008
	SV09-5' 3P	5	9/15/2010	3P	--	<0.008	**0.342**	--	<0.008	--	<0.008	--	<0.008	<0.008	**1.77**	<0.008
	SV09-5' 10P	5	9/15/2010	10P	--	<0.008	**0.278**	--	<0.008	--	<0.008	--	<0.008	<0.008	**1.95**	<0.008
SV19	SV19	4.4	11/4/2009	P	--	<0.008	<0.008	--	<0.008	**0.353**	<0.008	--	<0.008	<0.008	**0.156**	<0.008
SV22	SV22	3	11/3/2009	P	--	<0.008	<0.008	--	<0.008	**1.78**	<0.008	--	<0.008	<0.008	<0.008	<0.008
SV24	SV24	5.2	11/3/2009	P	<3.5	--	**200**	**7**	<20	**7.9**	--	**130**	<1.7	<1.6	**260**	--
	SV24-1P	5.2	11/3/2009	1P	--	<0.008	**66.6**	--	<0.008	**0.282**	<0.008	--	<0.008	<0.008	<0.008	<0.008
	SV24-3P	5.2	11/3/2009	3P	--	<0.008	**117**	--	<0.008	**0.322**	<0.008	--	<0.008	<0.008	<0.008	<0.008
	SV24-7P	5.2	11/3/2009	7P	--	<0.008	**89**	--	<0.008	**0.309**	<0.008	--	<0.008	<0.008	<0.008	<0.008
	SV24-5.2'	5.2	9/15/2010	P	--	<0.008	**103**	--	<0.008	--	<0.008	--	<0.008	<0.008	**253**	**0.39**
SV25	SV25	3.2	11/5/2009	P	--	<0.008	<0.008	--	<0.008	<0.008	<0.008	--	<0.008	<0.008	<0.008	<0.008
	SV25-3.2 1P	3.2	9/15/2010	1P	--	<0.008	<0.008	--	<0.008	--	<0.008	--	<0.008	<0.008	**0.066**	<0.008
	SV25-3.2 3P	3.2	9/15/2010	3P	--	<0.008	<0.008	--	<0.008	--	<0.008	--	<0.008	<0.008	**0.088**	<0.008
	SV25-3.2 10P	3.2	9/15/2010	10P	--	<0.008	<0.008	--	<0.008	--	<0.008	--	<0.008	<0.008	**0.063**	<0.008
SV30	SV30	6	11/3/2009	P	--	<0.008	<0.008	--	<0.008	**0.108**	<0.008	--	<0.008	<0.008	<0.008	<0.008
	SV30-6.0'	6	9/15/2010	P	--	<0.008	<0.008	--	<0.008	<0.008	<0.008	--	<0.008	<0.008	**1.37**	<0.008

TABLE A-9
ANALYTICAL DATA: VOLATILE ORGANIC COMPOUNDS IN SOIL VAPOR
TANK FARM AREA, POTRERO POWER PLANT
SAN FRANCISCO, CALIFORNIA

Location ID	Sample ID	Sample Depth (feet bgs)	Sample Date	Sample Type	n-Propylbenzene	o-Xylene	sec-Butylbenzene	Styrene	Tert-Amyl Methyl Ether (TAME)	tert-Butyl alcohol	tert-Butylbenzene	Tetra-chloroethene	Tetra-hydrofuran	Toluene	trans-1,2-Dichloroethene	trans-1,3-Dichloro-propene
GB-135	GB-135-SV-4	4	12/18/2017	P	--	<0.0022	--	<0.0064	<0.0084	<0.0061	--	**0.35**	--	<0.0019	<0.002	<0.0045
GB-137	GB-137-SV-4	4	12/15/2017	P	--	**0.0031**	--	<0.0064	<0.0084	<0.0061	--	<0.0034	--	**0.0053**	<0.002	<0.0045
GB-141	GB-141-SV-8	8	12/15/2017	P	--	**0.0078**	--	<0.0064	<0.0084	<0.0061	--	<0.0034	--	**0.0098**	<0.002	<0.0045
GB-142	GB-142-SV-6	6	12/14/2017	P	--	**0.011**	--	<0.021	<0.027	<0.02	--	<0.011	--	**0.031**	<0.0064	<0.015
GB-143	GB-143-SV-6	6	12/14/2017	P	--	**0.2**	--	<0.11	<0.15	<0.11	--	<0.059	--	**0.17**	<0.034	<0.079
GB-145	GB-145-SV-5	5	12/14/2017	P	--	<0.0022	--	<0.0065	<0.0084	<0.0061	--	**0.0077**	--	**0.0037**	<0.002	<0.0046
GB-146	GB-146-SV-7	7	12/18/2017	P	--	**7.5**	--	**0.13**	<0.042	<0.03	--	<0.017	--	**3.7**	<0.0099	<0.023
GB-147	GB-147-SV-5	5	12/15/2017	P	--	**0.26**	--	<0.26	<0.33	<0.24	--	<0.14	--	**0.59**	<0.079	<0.18
GB-148	GB-148-SV-6	6	12/18/2017	P	--	**6.7**	--	**0.70**	<0.33	<0.24	--	<0.14	--	**17 J**	<0.079	<0.18
GB-149A	GB-149A-SV-5	5	2/28/2018	P	--	<0.0022	--	<0.0064	<0.0084	<0.0061	--	<0.0034	--	<0.0019	<0.002	<0.0045
GB-150A	GB-150A-SV-5	5	2/28/2018	P	--	**0.0026**	--	<0.0064	<0.0084	<0.0061	--	**0.0064**	--	**0.0066**	<0.002	<0.0045
GB-151	GB-151-SV-5	5	12/18/2017	P	--	**0.15**	--	<0.26	<0.33	<0.24	--	<0.14	--	**0.64**	<0.079	<0.18
	GB-151-SV-8	8	12/18/2017	P	--	**7.4**	--	**0.34**	<0.33	<0.24	--	<0.14	--	**7.9**	<0.079	<0.18
GB-152	GB-152-SV-6	6	12/14/2017	P	--	<0.0058	--	<0.017	<0.022	<0.016	--	<0.0091	--	<0.005	<0.0053	<0.012
GB-153	GB-153-SV-8	8	12/15/2017	P	--	<0.014	--	<0.04	<0.052	<0.038	--	<0.021	--	**0.021**	<0.012	<0.028
GB-154	GB-154-SV-5	5	12/18/2017	P	--	<0.0022	--	<0.0064	<0.0084	<0.0061	--	**0.24**	--	<0.0019	<0.002	<0.0045
	DUP-121817	5	12/18/2017	FD	--	<0.0022	--	<0.0064	<0.0084	<0.0061	--	**0.24**	--	<0.0019	<0.002	<0.0045
GB-155B	GB-155B-SV-5	5	2/27/2018	P	--	**0.35**	--	<0.26	<0.33	<0.24	--	<0.14	--	**1.0**	<0.079	<0.18
GB-155C	GB-155C-SV-3	3	2/28/2018	P	--	<0.0087	--	<0.026	<0.033	<0.024	--	<0.014	--	**0.0088**	<0.0079	<0.018
GB-156B	GB-156B-SV-5	5	2/28/2018	P	--	<0.0022	--	<0.0064	<0.0084	<0.0061	--	<0.0034	--	<0.0019	<0.002	<0.0045
GB-174	GB-174-SV-5	5	2/28/2018	P	--	<0.0022	--	<0.0065	<0.0085	<0.0062	--	<0.0035	--	<0.0019	<0.002	<0.0046
	DUP-022818	5	2/28/2018	FD	--	<0.0022	--	<0.0064	<0.0084	<0.0061	--	<0.0034	--	<0.0019	<0.002	<0.0045
SV08	SV08A	4	11/4/2009	P	<0.008	--	**0.039**	<0.008	<0.008	<0.035	<0.008	<0.008	--	**0.209**	<0.008	<0.008
	SV08A	4	11/4/2009	P	<0.056	<0.05	--	<0.049	--	--	--	<0.078	<0.034	<0.043	<0.045	<0.052
	SV08A-091510	4	9/15/2010	P	<0.008	--	<0.008	<0.008	--	--	<0.008	<0.008	--	<0.008	<0.008	<0.008
SV09	SV09	5	11/4/2009	P	<0.008	--	**0.46**	<0.008	<0.008	<0.035	<0.008	<0.008	--	**13.1**	<0.008	<0.008
	SV09	5	9/15/2010	P	<0.058	**0.086**	--	**0.054**	--	--	--	<0.081	<0.035	**0.15**	<0.047	<0.054
	SV09-5' 1P	5	9/15/2010	1P	<0.008	--	<0.008	<0.008	--	--	<0.008	<0.008	--	**0.17**	<0.008	<0.008
	SV09-5' 3P	5	9/15/2010	3P	<0.008	--	<0.008	<0.008	--	--	<0.008	<0.008	--	**0.228**	<0.008	<0.008
	SV09-5' 10P	5	9/15/2010	10P	<0.008	--	<0.008	<0.008	--	--	<0.008	<0.008	--	**0.206**	<0.008	<0.008
SV19	SV19	4.4	11/4/2009	P	<0.008	--	<0.008	<0.008	<0.008	<0.035	<0.008	<0.008	--	**0.336**	<0.008	<0.008
SV22	SV22	3	11/3/2009	P	<0.008	--	**0.19**	<0.008	<0.008	<0.035	<0.008	<0.008	--	**1.19**	<0.008	<0.008
SV24	SV24	5.2	11/3/2009	P	<2.3	**42**	--	**100**	--	--	--	**5.7**	<1.4	**600**	<1.8	<2.1
	SV24-1P	5.2	11/3/2009	1P	**36.2**	--	**0.159**	**1.02**	<0.008	<0.035	<0.008	<0.008	--	**156**	<0.008	<0.008
	SV24-3P	5.2	11/3/2009	3P	**52.3**	--	**0.23**	**0.464**	<0.008	<0.035	<0.008	<0.008	--	**459**	<0.008	<0.008
	SV24-7P	5.2	11/3/2009	7P	**45.9**	--	**0.194**	**0.2**	<0.008	<0.035	<0.008	<0.008	--	**375**	<0.008	<0.008
	SV24-5.2'	5.2	9/15/2010	P	<0.008	--	<0.008	<0.008	--	--	<0.008	<0.008	--	**31.4**	<0.008	<0.008
SV25	SV25	3.2	11/5/2009	P	<0.008	--	<0.008	<0.008	<0.008	<0.035	<0.008	<0.008	--	<0.008	<0.008	<0.008
	SV25-3.2 1P	3.2	9/15/2010	1P	<0.008	--	<0.008	<0.008	--	--	<0.008	<0.008	--	<0.008	<0.008	<0.008
	SV25-3.2 3P	3.2	9/15/2010	3P	<0.008	--	<0.008	<0.008	--	--	<0.008	**0.024**	--	<0.008	<0.008	<0.008
	SV25-3.2 10P	3.2	9/15/2010	10P	<0.008	--	<0.008	<0.008	--	--	<0.008	**0.012**	--	<0.008	<0.008	<0.008
SV30	SV30	6	11/3/2009	P	<0.008	--	**0.118**	**0.463**	<0.008	<0.035	<0.008	<0.008	--	**3**	<0.008	<0.008
	SV30-6.0'	6	9/15/2010	P	<0.008	--	<0.008	<0.008	--	--	<0.008	<0.008	--	<0.008	<0.008	<0.008

TABLE A-9
ANALYTICAL DATA: VOLATILE ORGANIC COMPOUNDS IN SOIL VAPOR
TANK FARM AREA, POTRERO POWER PLANT
SAN FRANCISCO, CALIFORNIA

Location ID	Sample ID	Sample Depth (feet bgs)	Sample Date	Sample Type	Trichloro-ethene (TCE)	Trichlorofluoro-methane (Freon 11)	Vinyl Acetate	Vinyl Chloride	Xylenes
GB-135	GB-135-SV-4	4	12/18/2017	P	<0.0027	**0.019**	<0.007	<0.0013	<0.0087
GB-137	GB-137-SV-4	4	12/15/2017	P	<0.0027	**0.24**	<0.007	<0.0013	**0.014**
GB-141	GB-141-SV-8	8	12/15/2017	P	**0.056**	<0.0056	<0.007	<0.0013	**0.0078**
GB-142	GB-142-SV-6	6	12/14/2017	P	<0.0087	<0.018	<0.023	<0.0042	**0.045**
GB-143	GB-143-SV-6	6	12/14/2017	P	<0.047	<0.098	<0.12	<0.022	**0.20**
GB-145	GB-145-SV-5	5	12/14/2017	P	<0.0027	<0.0057	<0.0071	<0.0013	<0.0088
GB-146	GB-146-SV-7	7	12/18/2017	P	<0.013	<0.028	<0.035	<0.0064	**18**
GB-147	GB-147-SV-5	5	12/15/2017	P	<0.11	<0.22	<0.28	<0.051	**0.84**
GB-148	GB-148-SV-6	6	12/18/2017	P	<0.11	<0.22	<0.28	<0.051	**19**
GB-149A	GB-149A-SV-5	5	2/28/2018	P	<0.0027	**0.041**	<0.007	<0.0013	<0.0087
GB-150A	GB-150A-SV-5	5	2/28/2018	P	<0.0027	<0.0056	<0.007	**0.011**	**0.0026**
GB-151	GB-151-SV-5	5	12/18/2017	P	<0.11	<0.22	<0.28	<0.051	**0.15**
	GB-151-SV-8	8	12/18/2017	P	<0.11	<0.22	<0.28	<0.051	**19**
GB-152	GB-152-SV-6	6	12/14/2017	P	<0.0072	<0.015	<0.019	<0.0034	<0.023
GB-153	GB-153-SV-8	8	12/15/2017	P	<0.017	<0.035	<0.044	<0.008	<0.054
GB-154	GB-154-SV-5	5	12/18/2017	P	<0.0027	<0.0056	<0.007	<0.0013	<0.0087
	DUP-121817	5	12/18/2017	FD	<0.0027	<0.0056	<0.007	<0.0013	<0.0087
GB-155B	GB-155B-SV-5	5	2/27/2018	P	<0.11	<0.22	<0.28	<0.051	**0.99**
GB-155C	GB-155C-SV-3	3	2/28/2018	P	<0.011	<0.022	<0.028	<0.0051	<0.035
GB-156B	GB-156B-SV-5	5	2/28/2018	P	**0.0046**	<0.0056	<0.007	<0.0013	<0.0087
GB-174	GB-174-SV-5	5	2/28/2018	P	<0.0027 UJ	<0.0057 UJ	<0.0072	<0.0013	<0.0089
	DUP-022818	5	2/28/2018	FD	**0.025 J**	**0.046 J**	<0.007	<0.0013	<0.0087
SV08	SV08A	4	11/4/2009	P	<0.008	<0.008	--	<0.008	**0.060**
	SV08A	4	11/4/2009	P	<0.062	<0.064	--	<0.029	**0.051**
	SV08A-091510	4	9/15/2010	P	<0.008	<0.008	--	<0.008	<0.008
SV09	SV09	5	11/4/2009	P	<0.008	<0.008	--	<0.008	**1.44**
	SV09	5	9/15/2010	P	<0.064	<0.067	--	<0.03	**0.286**
	SV09-5' 1P	5	9/15/2010	1P	<0.008	<0.008	--	<0.008	**0.274**
	SV09-5' 3P	5	9/15/2010	3P	<0.008	<0.008	--	<0.008	**0.289**
	SV09-5' 10P	5	9/15/2010	10P	<0.008	<0.008	--	<0.008	**0.278**
SV19	SV19	4.4	11/4/2009	P	<0.008	<0.008	--	<0.008	<0.008
SV22	SV22	3	11/3/2009	P	<0.008	<0.008	--	<0.008	**2.39**
SV24	SV24	5.2	11/3/2009	P	<2.5	<2.6	--	<1.2	**172**
	SV24-1P	5.2	11/3/2009	1P	<0.008	<0.008	--	<0.008	**52.1**
	SV24-3P	5.2	11/3/2009	3P	<0.008	<0.008	--	<0.008	**136**
	SV24-7P	5.2	11/3/2009	7P	<0.008	<0.008	--	<0.008	**103**
	SV24-5.2'	5.2	9/15/2010	P	<0.008	<0.008	--	<0.008	**28.3**
SV25	SV25	3.2	11/5/2009	P	<0.008	<0.008	--	<0.008	<0.008
	SV25-3.2 1P	3.2	9/15/2010	1P	<0.008	<0.008	--	<0.008	<0.008
	SV25-3.2 3P	3.2	9/15/2010	3P	<0.008	<0.008	--	<0.008	<0.008
	SV25-3.2 10P	3.2	9/15/2010	10P	<0.008	<0.008	--	<0.008	<0.008
SV30	SV30	6	11/3/2009	P	<0.008	<0.008	--	<0.008	**1.13**
	SV30-6.0'	6	9/15/2010	P	<0.008	<0.008	--	<0.008	<0.008

TABLE A-10

ANALYTICAL DATA: TOTAL PETROLEUM HYDROCARBONS IN SOIL VAPOR

TANK FARM AREA, POTRERO POWER PLANT

SAN FRANCISCO, CALIFORNIA

Location ID	Sample ID	Sample Depth (feet bgs)	Sample Date	Sample Type	TPH (C5-C8) Aliphatic	TPH (C6-C8) Aromatic	TPH (C9-C16) Aromatic	TPH (C9-C18) Aliphatic
SV08	SV08A	4	11/4/2009	P	**41.3**	**0.269**	**0.077**	**9.38**
	SV08A-091510	4	9/15/2010	P	**69.4**	<0.2	**0.129**	**85.9**
SV09	SV09	5	11/4/2009	P	**78.7**	**253**	**7.22**	**30.3**
	SV09-5' 1P	5	9/15/2010	1P	**19.5**	**1.82**	**1.69**	**23.5**
	SV09-5' 3P	5	9/15/2010	3P	**23.4**	**2.79**	**1.82**	**24.1**
	SV09-5' 10P	5	9/15/2010	10P	**21.8**	**2.17**	**2.01**	**30.1**
SV19	SV19	4.4	11/4/2009	P	**0.353**	**0.388**	**0.156**	**1.58**
SV22	SV22	3	11/3/2009	P	**164**	**25.7**	**0.73**	**36**
SV24	SV24-1P	5.2	11/3/2009	1P	**6.33**	**807**	**48**	**24.8**
	SV24-3P	5.2	11/3/2009	3P	**23.5**	**1430**	**63.3**	**24.4**
	SV24-7P	5.2	11/3/2009	7P	**16.2**	**1150**	**53.4**	**18.6**
	SV24-5.2'	5.2	9/15/2010	P	<0.2	**466**	**305**	**72.3**
SV25	SV25	3.2	11/5/2009	P	<0.025	<0.025	<0.025	<0.025
	SV25-3.2 1P	3.2	9/15/2010	P	<0.2	<0.2	**0.066**	<0.2
	SV25-3.2 3P	3.2	9/15/2010	3P	<0.2	<0.2	**0.088**	<0.2
	SV25-3.2 10P	3.2	9/15/2010	10P	<0.2	<0.2	**0.063**	<0.2
SV30	SV30	6	11/3/2009	P	**3.94**	**7.01**	**2.07**	**0.556**
	SV30-6.0'	6	9/15/2010	P	<0.2	**0.076**	**1.37**	<0.2

Notes:

All analytical results are presented in milligrams per cubic meter (mg/m^3).

Detected results are presented in **bold**.

-- = Not analyzed for

< = Analyte was not detected at the given detection limit

1P, 3P, 7P, 10P = 1, 3, 7, or 10 volumes purged before the sample was collected. Samples collected from the same location, depth, and date with varying purge volumes were treated as duplicate samples.

P = Primary sample, number before the sample type indicates the number of volumes purged before samples were collected. Co-located samples collected with varying purge volumes were treated as duplicate samples.

TABLE A-11
ANALYTICAL DATA: VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER
TANK FARM AREA, POTRERO POWER PLANT
SAN FRANCISCO, CALIFORNIA

Location ID	Sample ID	Sample Date	Sample Type	1,1,1,2-Tetrachloro-ethane	1,1,1-Trichloro-ethane	1,1,2,2-Tetrachloro-ethane	1,1,2-Trichloro-ethane	1,1,2-Trichloro-trifluoroethane (Freon 113)	1,1-Dichloro-ethane	1,1-Dichloro-ethene	1,1-Dichloro-propane	1,1-Dichloro-propene	1,2,3-Trichloro-benzene	1,2,3-Trichloro-propane	1,2,4-Trichloro-benzene	1,2,4-Trimethyl-benzene	1,2-Dibromo-3-Chloropropane (DBCP)	1,2-Dibromo-ethane (EDB)	1,2-Dichloro-benzene	1,2-Dichloro-ethane	1,2-Dichloro-ethene (mixed isomers)
Grab Groundwater Samples																					
GB-131	GB-131-W-120517	12/5/2017	P	<2	<2	<2	<2	<20	<2	<2	--	<2	<2	<10	<2	<2	<10	<2	<2	<1	--
GB-132	GB-132-W-111517	11/15/2017	P	<1	<1	<1	<1	<10	<1	<1	--	<1	<1	<5	<1	<1	<5	<1	<1	<0.5	--
GB-132	W-DUP-111517	11/15/2017	FD	<1	<1	<1	<1	--	--	<1	--	--	<1	--	<1	**1.2**	<5	--	<1	<0.5	--
GB-140	GB-140-W-120717	12/7/2017	P	<1	<1	<1	<1	<10	<1	<1	--	<1	<1	<5	<1	<1	<5	<1	<1	<0.5	--
GB-151	GB-151-W-120617	12/6/2017	P	<50	<50	<50	<50	<500	<50	<50	--	<50	<50	<250	<50	<50	<250	<50	<50	<25	--
GB-154	GB-154-W-120517	12/5/2017	P	<1	<1	<1	<1	<10	<1	<1	--	<1	<1	<5	<1	<1	<5	<1	<1	<0.5	--
Monitoring Well Samples																					
MW-POT-10	MW-POT-10	3/13/1991	P	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<1	--	--
MW-POT-10	POT-10-060898	6/8/1998	P	<5	<5	<5	<5	--	<5	<5	--	<5	<5	<5	<5	<5	<5	<5	<10	<5	<10
MW-POT-11	MW-POT-11	3/12/1991	P	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<1	--	--
MW-POT-12	MW-POT-12	3/13/1991	P	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<1	--	--
TB3-002	TB03-002W	12/2/1997	P	<5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TB3-002	TB3-002W	12/2/1997	P	--	<5	<5	<5	--	<5	<5	<5	--	<5	<5	<5	<5	<5	<5	<10	<5	--
TB3-003	TB03-003W	12/2/1997	P	<5	<5	<5	<5	--	<5	<5	<5	--	<5	<5	<5	**14.3**	<5	<5	<10	<5	--
TB3-003	TB3-003-103002	10/30/2002	P	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TB3-003	TB3-003-022504	2/25/2004	P	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TB3-003	TB3-003-51204	5/12/2004	P	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TB3-003	TB3-003-082604	8/26/2004	P	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TB3-007	TB03-007W	12/2/1997	P	<5	<5	<5	<5	--	<5	<5	<5	--	<5	<5	<5	<5	<5	<5	<10	<5	--
TB3-007	TB3-007-103002	10/30/2002	P	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TB3-007	TB3-007-022504	2/25/2004	P	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TB3-007	TB3-007-51204	5/12/2004	P	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TB3-007	TB3-007-082604	8/26/2004	P	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TB3-012	TB0312W	3/9/1998	P	<5	<5	<5	<5	--	<5	<5	<5	--	<5	<5	<5	<5	<5	<5	<10	<5	--

TABLE A-11
ANALYTICAL DATA: VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER
TANK FARM AREA, POTRERO POWER PLANT
SAN FRANCISCO, CALIFORNIA

Location ID	Sample ID	Sample Date	Sample Type	1,2-Dichloro-propane	1,3,5-Trimethyl-benzene	1,3-Dichloro-benzene	1,3-Dichloro-propane	1,3-Dichloro-propene	1,4-Dichloro-benzene	1-Methylethyl-benzene A	2,2-Dichloro-propane	2-Butanone (MEK)	2-Chloro-toluene	2-Hexanone (Methyl butyl ketone)	4-Chloro-toluene	4-Isopropyl-toluene	4-Methyl-2-pentanone (MIBK)	Acetone	Benzene	Bromo-benzene	Bromo-dichloro-methane
Grab Groundwater Samples																					
GB-131	GB-131-W-120517	12/5/2017	P	<2	<2	<2	<2	--	<2	--	<2	<20	<2	<20	<2	<2	<20	<40	**130**	<2	<2
GB-132	GB-132-W-111517	11/15/2017	P	<1	<1	<1	<1	--	<1	--	<1	<10	<1	<10	<1	<1	<10	<20	**31**	<1	<1
GB-132	W-DUP-111517	11/15/2017	FD	<1	--	<1	--	--	<1	--	<1	--	--	--	--	<1	<10	<20	**35**	--	<1
GB-140	GB-140-W-120717	12/7/2017	P	<1	<1	<1	<1	--	<1	--	<1	<10	<1	<10	<1	<1	<10	<20	<0.5	<1	<1
GB-151	GB-151-W-120617	12/6/2017	P	<50	<50	<50	<50	--	<50	--	<50	<500	<50	<500	<50	<50	<500	<1000	**120**	<50	<50
GB-154	GB-154-W-120517	12/5/2017	P	<1	<1	<1	<1	--	<1	--	<1	<10	<1	<10	<1	<1	<10	<20	<0.5	<1	<1
Monitoring Well Samples																					
MW-POT-10	MW-POT-10	3/13/1991	P	--	--	<0.7	--	--	<0.7	--	--	--	--	--	--	--	--	--	<0.3	--	--
MW-POT-10	POT-10-060898	6/8/1998	P	<5	<5	<10	<5	--	<5	--	<5	--	<5	--	<5	<5	--	--	<5	<5	<5
MW-POT-11	MW-POT-11	3/12/1991	P	--	--	<0.7	--	--	<0.7	--	--	--	--	--	--	--	--	--	<0.3	--	--
MW-POT-12	MW-POT-12	3/13/1991	P	--	--	<0.7	--	--	<0.7	--	--	--	--	--	--	--	--	--	**1.7**	--	--
TB3-002	TB03-002W	12/2/1997	P	--	--	--	--	--	--	--	<5	--	--	--	--	--	--	--	--	--	--
TB3-002	TB3-002W	12/2/1997	P	<5	<5	<10	--	<5	<5	<5	<5	--	<5	--	<5	<5	--	--	<5	<5	<5
TB3-003	TB03-003W	12/2/1997	P	<5	**8.8**	<10	--	<5	<5	<5	<5	--	<5	--	<5	<5	--	--	<5	<5	<5
TB3-003	TB3-003-103002	10/30/2002	P	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.5	--	--
TB3-003	TB3-003-022504	2/25/2004	P	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**27**	--	--
TB3-003	TB3-003-51204	5/12/2004	P	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.5	--	--
TB3-003	TB3-003-082604	8/26/2004	P	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.5	--	--
TB3-007	TB03-007W	12/2/1997	P	<5	<5	<10	--	<5	<5	<5	<5	--	<5	--	<5	<5	--	--	<5	<5	<5
TB3-007	TB3-007-103002	10/30/2002	P	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**0.65**	--	--
TB3-007	TB3-007-022504	2/25/2004	P	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**13**	--	--
TB3-007	TB3-007-51204	5/12/2004	P	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.5	--	--
TB3-007	TB3-007-082604	8/26/2004	P	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.5	--	--
TB3-012	TB0312W	3/9/1998	P	<5	<5	<10	--	<5	<5	<5	<5	--	<5	--	<5	<5	--	--	**41**	<5	<5

TABLE A-11
ANALYTICAL DATA: VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER
TANK FARM AREA, POTRERO POWER PLANT
SAN FRANCISCO, CALIFORNIA

Location ID	Sample ID	Sample Date	Sample Type	Bromoform	Bromo-methane	Butyl-benzene	Carbon Disulfide	Carbon Tetrachloride	Chloro-benzene	Chloro-bromo-methane	Chloro-dibromo-methane	Chloroethane	Chloroform	Chloro-methane	cis-1,2-Dichloro-ethene	cis-1,3-Dichloro-propene	Dibromo-methane	Dichloro-difluoro-methane (Freon 12)	Ethylbenzene	Hexachloro-butadiene	Isopropyl-benzene (Cumene)
Grab Groundwater Samples																					
GB-131	GB-131-W-120517	12/5/2017	P	<2	<20	<2	<20	<1	<2	<2	<2	<10	<2	<20	<2	<1	<2	<2	**10**	--	<2
GB-132	GB-132-W-111517	11/15/2017	P	<1	<10	<1	<10	<0.5	<1	<1	<1	<5	<1	<10	<1	<0.5	<1	<1	**3.2**	--	<1
GB-132	W-DUP-111517	11/15/2017	FD	--	--	<1	<10	--	--	<1	--	<5	--	<10	--	--	<1	<1	**4.2**	--	<1
GB-140	GB-140-W-120717	12/7/2017	P	<1	<10	<1	<10	<0.5	<1	<1	<1	<5	<1	<10	<1	<0.5	<1	<1	<1	--	<1
GB-151	GB-151-W-120617	12/6/2017	P	<50	<500	<50	<500	<25	<50	<50	<50	<250	<50	<500	<50	<25	<50	<50	**67**	--	<50
GB-154	GB-154-W-120517	12/5/2017	P	<1	<10	<1	<10	<0.5	<1	<1	<1	<5	<1	<10	<1	<0.5	<1	<1	<1	--	<1
Monitoring Well Samples																					
MW-POT-10	MW-POT-10	3/13/1991	P	--	--	--	--	--	<0.3	--	--	--	--	--	--	--	--	--	<0.3	--	--
MW-POT-10	POT-10-060898	6/8/1998	P	<5	<10	<5	--	<5	<5	<5	<5	<10	<5	<5	<5	--	<5	<10	<5	<5	<5
MW-POT-11	MW-POT-11	3/12/1991	P	--	--	--	--	--	<0.3	--	--	--	--	--	--	--	--	--	<0.3	--	--
MW-POT-12	MW-POT-12	3/13/1991	P	--	--	--	--	--	**5.8**	--	--	--	--	--	--	--	--	--	**1.4**	--	--
TB3-002	TB03-002W	12/2/1997	P	--	--	--	--	--	--	--	--	--	--	--	--	--	<5	--	--	--	<5
TB3-002	TB3-002W	12/2/1997	P	<5	<10	<5	--	<5	<5	<5	<5	<10	<5	<5	<5	--	<5	<10	<5	<5	--
TB3-003	TB03-003W	12/2/1997	P	<5	<10	<5	--	<5	<5	<5	<5	<10	<5	<5	<5	--	<5	<10	<5	<5	<5
TB3-003	TB3-003-103002	10/30/2002	P	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.5	--	--
TB3-003	TB3-003-022504	2/25/2004	P	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.5	--	--
TB3-003	TB3-003-51204	5/12/2004	P	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.5	--	--
TB3-003	TB3-003-082604	8/26/2004	P	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.5	--	--
TB3-007	TB03-007W	12/2/1997	P	<5	<10	<5	--	<5	<5	<5	<5	<10	<5	<5	<5	--	<5	<10	<5	<5	<5
TB3-007	TB3-007-103002	10/30/2002	P	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.5	--	--
TB3-007	TB3-007-022504	2/25/2004	P	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.5	--	--
TB3-007	TB3-007-51204	5/12/2004	P	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.5	--	--
TB3-007	TB3-007-082604	8/26/2004	P	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.5	--	--
TB3-012	TB0312W	3/9/1998	P	<5	<10	<5	--	<5	<5	<5	<5	<10	**200**	<5	<5	--	<5	<10	<5	<5	<5

TABLE A-11
ANALYTICAL DATA: VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER
TANK FARM AREA, POTRERO POWER PLANT
SAN FRANCISCO, CALIFORNIA

Location ID	Sample ID	Sample Date	Sample Type	m,p-Xylenes	Methyl tert-butyl ether (MTBE)	Methylene chloride	Naphthalene	o-Xylene	Propyl-benzene	sec-Butylbenzene	Styrene	tert-Butylbenzene	Tetrachloro-ethene	Toluene	trans-1,2-Dichloro-ethene	trans-1,3-Dichloro-propene	Trichloro-ethene (TCE)	Trichloro-fluoro-methane (Freon 11)	Vinyl Acetate	Vinyl Chloride	Xylenes
Grab Groundwater Samples																					
GB-131	GB-131-W-120517	12/5/2017	P	<2	<2	<20	**110**	<2	<2	<2	<2	<2	<2	**2.7**	<2	<1	<2	<20	<20	<1	<2
GB-132	GB-132-W-111517	11/15/2017	P	**1.1**	<1	<10	**160 J**	**1.2**	<1	<1	<1	<1	<1	<1	<1	<0.5	<1	<10	<10	<0.5	**2.3**
GB-132	W-DUP-111517	11/15/2017	FD	**1.2**	--	<10	**200**	**1.5**	--	<1	<1	<1	<1	--	--	<0.5	--	--	--	--	**2.7**
GB-140	GB-140-W-120717	12/7/2017	P	<1	<1	<10	<10	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	<1	<10	<10	<0.5	<1
GB-151	GB-151-W-120617	12/6/2017	P	<50	<50	<500	**9400**	<50	<50	<50	<50	<50	<50	<50	<50	<25	<50	<500	<500	<25	<50
GB-154	GB-154-W-120517	12/5/2017	P	<1	<1	<10	<10	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	<1	<10	<10	<0.5	<1
Monitoring Well Samples																					
MW-POT-10	MW-POT-10	3/13/1991	P	--	--	--	--	--	--	--	--	--	--	<0.3	--	--	--	--	--	--	<1
MW-POT-10	POT-10-060898	6/8/1998	P	--	--	<10	<5	--	<5	<5	<5	<5	<5	<5	<5	--	<5	<5	--	<3	<5
MW-POT-11	MW-POT-11	3/12/1991	P	--	--	--	--	--	--	--	--	--	--	<0.3	--	--	--	--	--	--	<1
MW-POT-12	MW-POT-12	3/13/1991	P	--	--	--	--	--	--	--	--	--	--	<0.3	--	--	--	--	--	--	**5.8**
TB3-002	TB03-002W	12/2/1997	P	--	--	--	**6.68**	--	--	--	--	--	--	--	--	--	--	--	--	--	<5
TB3-002	TB3-002W	12/2/1997	P	<5	--	<10	--	<5	<5	<5	<5	<5	<5	<5	<5	--	<5	<5	--	<2	<5
TB3-003	TB03-003W	12/2/1997	P	**54.2 J**	--	<10	**3290**	**6.9**	<5	<5	<5	<5	<5	<5	<5	--	<5	<5	--	<2	**61.08**
TB3-003	TB3-003-103002	10/30/2002	P	--	--	--	--	--	--	--	--	--	--	<0.5	--	--	--	--	--	--	<1
TB3-003	TB3-003-022504	2/25/2004	P	--	--	--	--	--	--	--	--	--	--	**12**	--	--	--	--	--	--	**3.3**
TB3-003	TB3-003-51204	5/12/2004	P	--	--	--	--	--	--	--	--	--	--	<0.5	--	--	--	--	--	--	<0.5
TB3-003	TB3-003-082604	8/26/2004	P	--	--	--	--	--	--	--	--	--	--	<0.5	--	--	--	--	--	--	<0.5
TB3-007	TB03-007W	12/2/1997	P	<5	--	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	--	<5	<5	--	<2	<5
TB3-007	TB3-007-103002	10/30/2002	P	--	--	--	--	--	--	--	--	--	--	<0.5	--	--	--	--	--	--	**3.8**
TB3-007	TB3-007-022504	2/25/2004	P	--	--	--	--	--	--	--	--	--	--	**7**	--	--	--	--	--	--	**1.9**
TB3-007	TB3-007-51204	5/12/2004	P	--	--	--	--	--	--	--	--	--	--	<0.5	--	--	--	--	--	--	<0.5
TB3-007	TB3-007-082604	8/26/2004	P	--	--	--	--	--	--	--	--	--	--	<0.5	--	--	--	--	--	--	<0.5
TB3-012	TB0312W	3/9/1998	P	--	--	**8.4**	--	--	**30**	<5	<5	<5	<5	<5	<5	--	<5	<5	--	<2	<5

TABLE A-12
ANALYTICAL DATA: POLYCYCLIC AROMATIC HYDROCARBONS IN GROUNDWATER
TANK FARM AREA, POTRERO POWER PLANT
SAN FRANCISCO, CALIFORNIA

Location ID	Sample ID	Sample Date	Sample Type	1-Methyl-naphthalene	2-Methyl-naphthalene	Acenaph-thene	Acenaph-thylene	Anthracene	Benzo(a) anthracene	Benzo(a) pyrene	Benzo(a) pyrene Equivalent	Benzo(b) fluoranthene	Benzo(g,h,i) perylene	Benzo(k) fluoranthene	Chrysene	Dibenz(a,h) anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-c,d)pyrene	Naphthalene	Phen-anthrene	Pyrene
Grab Groundwater Samples																						
GB-131	GB-131-W-120517	12/5/2017	P	**7.1**	**4.4**	**13**	**6.5**	**1.9**	**1.3**	**1.6**	2.1566	**1.1**	**1.2**	**1.2**	**1.5**	**0.24**	**5.6**	**2**	**1**	**180**	**6.4**	**6.1**
GB-132	GB-132-W-111517	11/15/2017	P	**4.5**	**3.7**	**3.2**	**2.9**	**0.78**	**0.26**	**0.28**	0.3823	**0.22**	**0.28**	<0.19	**0.3**	<0.19	**2.2**	**1.3**	<0.19	**140**	**4.2**	**2.4**
GB-132	W-DUP-111517	11/15/2017	FD	**4.3**	**3.6**	**3**	**2.8**	**0.83**	**0.41**	**0.5**	0.6822	**0.33**	**0.51**	**0.36**	**0.49**	<0.19	**2.6**	**1.3**	**0.35**	**140**	**4.3**	**2.9**
GB-140	GB-140-W-120717	12/7/2017	P	**2.9**	**0.2**	**2.5**	**1.1**	**1.2**	<0.19	<0.19	<0.16625	<0.19	<0.19	<0.19	<0.19	<0.19	**1.3**	**3.7**	<0.19	**2.9**	**8.3**	**1.5**
GB-151	GB-151-W-120617	12/6/2017	P	**120**	**110**	**260**	**6.7**	**24**	**15**	**21**	27.152	**13**	**16**	**12**	**17**	**2.3**	**87**	**39**	**12**	**9,200**	**230**	**110**
GB-154	GB-154-W-120517	12/5/2017	P	**0.2**	<0.19	**3**	**0.22**	**0.35**	<0.19	<0.19	0.17675	**0.2**	<0.19	<0.19	<0.19	<0.19	**0.8**	**0.31**	<0.19	**0.19**	**3.5**	**1.2**
Monitoring Well Samples																						
MW-POT-10	MW-POT-10	3/13/1991	P	--	--	<10	<10	<1	<1	<1	<1.13	<1	<2.5	<1	<1	<2.5	<2.5	<1	<1	<10	<1	<2.5
MW-POT-10	POT-10W	10/14/1997	P	--	--	<2	<2	<2	<0.5	<0.2	<0.295	<0.5	<2	<0.5	<2	<0.5	<2	<2	<0.5	<2	<2	<2
MW-POT-11	MW-POT-11	3/12/1991	P	--	--	<10	<10	<1	<1	<1	<1.13	<1	<2.5	<1	<1	<2.5	<2.5	<1	<1	<10	<1	<2.5
MW-POT-12	MW-POT-12	3/13/1991	P	--	--	<10	<10	<1	<1	<1	1.139	<1	<2.5	<1	**1.4**	<2.5	**2.8**	**1.3**	<1	<10	**2**	**8.8**
TB3-002	TB03-002W	12/2/1997	P	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<2	--	--
TB3-002	TB3-002W	12/2/1997	P	--	--	**6.3**	**19**	**2**	**0.38**	<0.2	0.308	<0.5	<2	<0.5	<2	<0.5	**10**	<2	<0.5	--	<2	**2.9**
TB3-003	TB03-003W	12/2/1997	P	--	--	**2800**	<1000	<200	<50	<20	<29.5	<50	<200	<50	<200	<50	<200	<200	<50	<200	**140**	<200
TB3-003	TB3-003-103002	10/30/2002	P	--	--	<0.11	<0.11	**0.12**	**0.3**	**0.12**	0.18575	<0.11	<0.11	<0.11	<0.11	<0.11	**3.9**	<0.11	<0.11	**0.21**	**0.15**	**3.9**
TB3-003	TB3-003-022504	2/25/2004	P	--	--	**0.3**	**0.2**	**0.1**	<0.1	<0.1	<0.0875	<0.1	<0.1	<0.1	<0.1	<0.1	**2.2**	**0.3**	<0.1	**21**	**1**	**2**
TB3-003	TB3-003-51204	5/12/2004	P	--	--	**0.2**	<0.1	<0.1	<0.1	<0.1	<0.0875	<0.1	<0.1	<0.1	<0.1	<0.1	**1.8**	<0.1	<0.1	**0.4**	**0.3**	**1.9**
TB3-003	TB3-003-082604	8/26/2004	P	--	--	<0.1	<0.1	<0.1	**0.1**	<0.1	0.0925	<0.1	<0.1	<0.1	<0.1	<0.1	**2.6**	<0.1	<0.1	**0.3**	<0.1	**2.7**
TB3-007	TB03-007W	12/2/1997	P	--	--	**13**	<10	**2.5**	**1.1**	**1.6**	1.979	**0.86**	**1.2**	**0.51**	**2.2**	<0.5	**6**	**5.8**	<0.5	<14	**5.3**	**7.6**
TB3-007	TB3-007-103002	10/30/2002	P	--	--	**3.7**	**0.31**	**0.64**	**0.3**	**0.25**	0.34825	<0.21	<0.21	<0.21	<0.21	<0.21	**2.8**	**6**	<0.21	**58**	**1.2**	**2.6**
TB3-007	TB3-007-022504	2/25/2004	P	--	--	**3**	**0.2**	**0.3**	<0.1	<0.1	<0.0875	<0.1	<0.1	<0.1	<0.1	<0.1	**1.2**	**0.5**	<0.1	**13**	**0.1**	**1.1**
TB3-007	TB3-007-51204	5/12/2004	P	--	--	**0.2**	<0.1	**0.2**	<0.1	<0.1	<0.0875	<0.1	<0.1	<0.1	<0.1	<0.1	**1.3**	<0.1	<0.1	**0.1**	<0.1	**1.4**
TB3-007	TB3-007-082604	8/26/2004	P	--	--	**0.2**	<0.1	<0.1	<0.1	<0.1	<0.0875	<0.1	<0.1	<0.1	<0.1	<0.1	**1.1**	**0.2**	<0.1	**2.6**	<0.1	**1.1**
TB3-012	TB0312W	3/9/1998	P	--	--	<2	<10	<2	<0.5	<0.2	<0.295	<0.5	<2	<0.5	<2	<0.5	<2	<2	<0.5	**2.2**	<2	<2
TB3-012	TB0312WF	3/9/1998	FD	--	--	<2	<10	<2	<0.5	<0.2	<0.295	<0.5	<2	<0.5	<2	<0.5	<2	<2	<0.5	**1.5**	<2	--

Notes:
All analytical results are presented in micrograms per liter (µg/L).
Detected results are presented in **bold**.
-- = Not analyzed for
< = Analyte was not detected at the given detection limit
bgs = Below ground surface
FD = Field duplicate
P = Primary sample

TABLE A-13
ANALYTICAL DATA: TOTAL PETROLEUM HYDROCARBONS IN GROUNDWATER
TANK FARM AREA, POTRERO POWER PLANT
SAN FRANCISCO, CALIFORNIA

Location ID	Sample ID	Sample Date	Sample Type	TPH (C9-C40)	TPH-diesel	TPH-gasoline	TPH-motor oil
Grab Groundwater Samples							
GB-131	GB-131-W-120517	12/5/2017	P	--	**730**	--	**430**
GB-132	GB-132-W-111517	11/15/2017	P	--	**780**	--	**490**
GB-132	W-DUP-111517	11/15/2017	FD	--	**700**	--	**420**
GB-140	GB-140-W-120717	12/7/2017	P	--	**460**	--	**510**
GB-151	GB-151-W-120617	12/6/2017	P	--	**13,000**	--	**3,900**
GB-154	GB-154-W-120517	12/5/2017	P	--	**470**	--	**390**
Monitoring Well Samples							
MW-POT-10	MW-POT-10	3/13/1991	P	--	<250	<100	--
MW-POT-10	POT-10W	10/14/1997	P	<500	--	--	--
MW-POT-11	MW-POT-11	3/12/1991	P	--	<250	<100	--
MW-POT-12	MW-POT-12	3/13/1991	P	--	**420**	**950**	--
TB3-002	TB3-002W	12/2/1997	P	**3,220**	--	--	--
TB3-003	TB03-003W	12/2/1997	P	**9,590**	--	--	--
TB3-003	TB3-003-103002	10/30/2002	P	**95**	--	--	--
TB3-003	TB3-003-022504	2/25/2004	P	--	**78**	--	<100
TB3-003	TB3-003-51204	5/12/2004	P	--	<50	--	<100
TB3-003	TB3-003-082604	8/26/2004	P	--	**66**	--	<100
TB3-007	TB03-007W	12/2/1997	P	**15,900**	--	--	--
TB3-007	TB3-007-103002	10/30/2002	P	**530**	--	--	--
TB3-007	TB3-007-022504	2/25/2004	P	--	**70**	--	<100
TB3-007	TB3-007-51204	5/12/2004	P	--	**53**	--	<100
TB3-007	TB3-007-082604	8/26/2004	P	--	**64**	--	<100
TB3-012	TB0312W	3/9/1998	P	**1,500**	--	--	--

Notes:
All analytical results are presented in micrograms per liter (µg/L).
Detected results are presented in **bold**.
-- = Not analyzed for
< = Analyte was not detected at the given detection limit
bgs = Below ground surface
FD = Field duplicate
P = Primary sample

TABLE A-14
ANALYTICAL DATA: METALS IN GROUNDWATER
TANK FARM AREA, POTRERO POWER PLANT
SAN FRANCISCO, CALIFORNIA

Location ID	Sample ID	Sample Date	Sample Type	Antimony	Arsenic	Barium	Beryllium	Boron	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
Grab Groundwater Samples																					
GB-131	GB-131-W-120517	12/5/2017	P	<1	<1	**12.5**	<1	--	<1	**3.53**	<1	**2.52**	**4.92**	<0.5	**6.93**	**9.41**	<1	<1	<1	**1.81**	**6.15**
GB-132	GB-132-W-111517	11/15/2017	P	**8.42**	**4.59**	**92.4**	<1	--	<1	**16.8**	3.11	**10.4**	**25.4**	**0.703**	**57.7**	**42.7**	**1.59**	<1	<1	**7.93**	**29.7**
GB-132	W-DUP-111517	11/15/2017	FD	**8.61**	**4.07**	**86.4**	<1	--	<1	**11.3**	2.33	**7.48**	**18.3**	**0.521**	**59.6**	**31.6**	**1.11**	<1	<1	**6.84**	**18**
GB-140	GB-140-W-120717	12/7/2017	P	<1	**1.14**	**85.2**	<1	--	<1	<1	4.84	**5.87**	<1	<0.5	**60.7**	**26.2**	<1	<1	<1	**6.3**	**6.21**
GB-151	GB-151-W-120617	12/6/2017	P	<1	<1	**31.9**	<1	--	<1	<1	<1	<1	<1	<0.5	<1	<1	**1.01**	<1	<1	**1.34**	<5
GB-154	GB-154-W-120517	12/5/2017	P	<1	**1.7**	**328**	<1	--	<1	**1.67**	<1	**1.67**	**3.83**	<0.5	**8.78**	**7.44**	<1	<1	<1	<1	**26.1**
Monitoring Well Samples																					
MW-POT-10	MW-POT-10	3/13/1991	P	<60	<5	**26**	<5	<10	<5	<10	<20	<20	<50	<0.2	**18**	<20	<200	<10	<100	<20	**12**
MW-POT-10	POT-10W	10/14/1997	P	<60	<10	<200	<5	--	<20	<30	<50	<25	<4	<0.5	<100	<40	<10	<20	<10	<50	<20
MW-POT-11	MW-POT-11	3/12/1991	P	<60	<5	**29**	<5	<10	<5	<10	<20	<20	<50	<0.2	**19**	<20	<200	<10	<100	<20	<10
MW-POT-12	MW-POT-12	3/13/1991	P	<60	<5	**870**	<5	<10	<5	<10	<20	<20	<50	<0.2	<10	<20	<200	<10	<150	<20	<10
TB3-002	TB3-002W	12/2/1997	P	<60	<10	<200	<5	--	<20	<30	<50	<25	<4	<0.5	<100	<40	<10	<20	<10	<50	<20
TB3-003	TB03-003W	12/2/1997	P	<60	<10	<200	<5	--	<20	<30	<50	<25	<4	<0.5	<100	<40	<10	<20	<10	<50	<20
TB3-007	TB03-007W	12/2/1997	P	<60	<10	<200	<5	--	<20	<30	<50	<25	<4	<0.5	<100	<40	<10	<20	<10	<50	<20
TB3-012	TB0312W	3/9/1998	P	<60	**27**	**1,400**	<5	**1,300**	<20	<30	<50	<25	<4	<0.5	<100	<40	**120**	<20	<10	<50	**30**

Notes:
All analytical results are presented in micrograms per liter (µg/L).
Detected results are presented in **bold**.
-- = Not analyzed for
< = Analyte was not detected at the given detection limit
bgs = Below ground surface
FD = Field duplicate
P = Primary sample

TABLE A-15
ANALYTICAL DATA: POLYCHLORINATED BIPHENYLS IN GROUNDWATER
TANK FARM AREA, POTRERO POWER PLANT
SAN FRANCISCO, CALIFORNIA

Location ID	Sample ID	Sample Date	Sample Type	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260
Monitoring Well Samples										
MW-POT-10	POT-10W	10/14/1997	P	<5	<5	<5	<5	<5	<5	<5
TB3-002	TB03-002W	12/2/1997	P	--	--	--	--	--	--	--
TB3-002	TB3-002W	12/2/1997	P	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TB3-003	TB03-003W	12/2/1997	P	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TB3-007	TB03-007W	12/2/1997	P	<0.5 J	<0.5 J	<0.5 J	<0.5 J	<0.5 J	<0.5 J	<0.5 J

Notes:
All analytical results are presented in micrograms per liter (µg/L).
Detected results are presented in **bold**.
-- = Not analyzed for
< = Analyte was not detected at the given detection limit
bgs = Below ground surface
FD = Field duplicate
J = Estimated value
P = Primary sample

TABLE A-16
ANALYTICAL DATA: SEMIVOLATILE ORGANIC COMPOUNDS IN GROUNDWATER
TANK FARM AREA, POTRERO POWER PLANT
SAN FRANCISCO, CALIFORNIA

Location ID	Sample ID	Sample Date	Sample Type	2,4,6-Trichloro-phenol	2,4-Dichloro-phenol	2,4-Dimethyl-phenol	2,4-Dinitro-phenol	2,6-Dichloro-phenol	2-Chloro-phenol	2-Methyl-4,6-dinitrophenol	2-Methylphenol (o-cresol)	2-Nitrophenol	3-& 4-Methylphenol	3/4-Methylphenols (p/m-Cresol) A	3-Methylphenol	4,6-Dinitro-2-methylphenol	4-Chloro-3-methylphenol	4-Nitrophenol	Dibenzo-thiophene	Pentachloro-phenol	Phenol	Phenols, Total
Grab Groundwater Samples																						
GB-131	GB-131-W-120517	12/5/2017	P	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**1.1**	--	--	--
GB-132	GB-132-W-111517	11/15/2017	P	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**0.66**	--	--	--
GB-132	W-DUP-111517	11/15/2017	FD	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**0.66**	--	--	--
GB-140	GB-140-W-120717	12/7/2017	P	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**0.95**	--	--	--
GB-151	GB-151-W-120617	12/6/2017	P	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**16**	--	--	--
GB-154	GB-154-W-120517	12/5/2017	P	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**0.24**	--	--	--
Monitoring Well Samples																						
MW-POT-10	MW-POT-10	3/13/1991	P	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<5
MW-POT-10	POT-10W	10/14/1997	P	<10	<10	<10	<50	<10	<10	<50	<10	<10	<100	<20	<100	<50	<20	<50	--	<50	<10	--
MW-POT-11	MW-POT-11	3/12/1991	P	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**15**
MW-POT-12	MW-POT-12	3/13/1991	P	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**15**
TB3-002	TB03-002W	12/2/1997	P	--	--	--	--	--	--	<50	--	--	--	--	<100	--	<20	--	--	--	--	--
TB3-002	TB3-002W	12/2/1997	P	<10	<10	<10	<50	--	<10	--	<10	<10	<100	<20	--	<50	--	<50	--	<50	<10	--
TB3-003	TB03-003W	12/2/1997	P	<10	<10	<10	<50	--	<10	<50	<10	<10	<100	<20	<100	<50	<20	<50	--	<50	<10	--
TB3-003	TB3-003-103002	10/30/2002	P	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TB3-007	TB03-007W	12/2/1997	P	<100	<100	<100	<500	--	<100	<500	<100	<100	<1000	<200	<1000	<500	<200	<500	--	<100	<100	--
TB3-007	TB3-007-103002	10/30/2002	P	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Notes:
All analytical results are presented in micrograms per liter (µg/L).
Detected results are presented in **bold**.
-- = Not analyzed for
< = Analyte was not detected at the given detection limit
bgs = Below ground surface
FD = Field duplicate
P = Primary sample

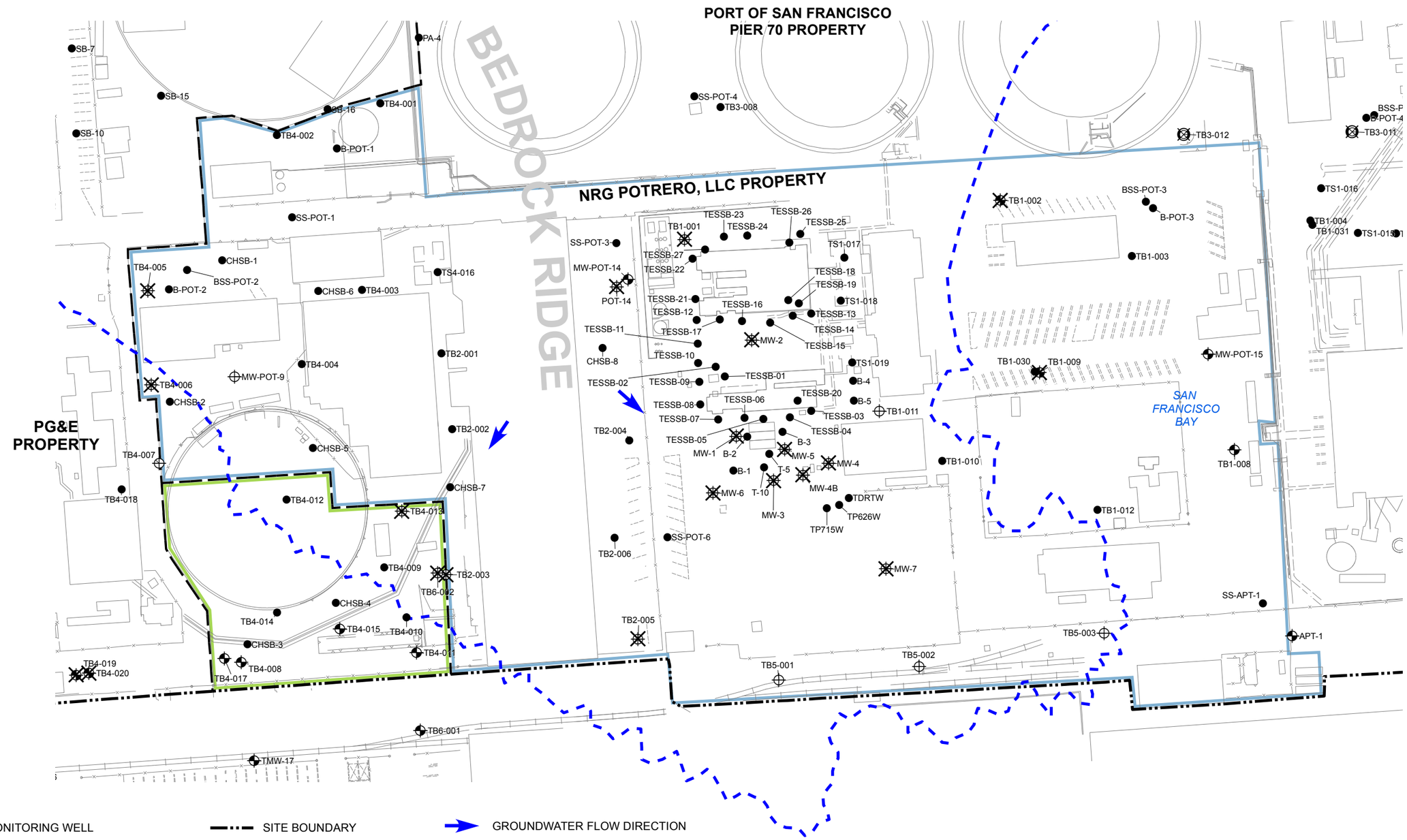
TABLE A-17
ANALYTICAL DATA: INORGANICS IN GROUNDWATER
TANK FARM AREA, POTRERO POWER PLANT
SAN FRANCISCO, CALIFORNIA

Location ID	Sample ID	Sample Date	Sample Type	Alkalinity (as $CaCO_3$)	Ammonia	Calcium	Chloride	Cyanide	Cyanide (Weak Acid Dissociable)	Fluoride	Magnesium	Nitrogen, NO3	Phosphorus	Potassium	Sodium	Sulfate	Sulfide
Grab Groundwater Samples																	
GB-131	GB-131-W-120517	12/5/2017	P	--	--	--	--	**120**	--	--	--	--	--	--	--	--	--
GB-132	GB-132-W-111517	11/15/2017	P	--	--	--	--	**26**	--	--	--	--	--	--	--	--	--
GB-132	W-DUP-111517	11/15/2017	FD	--	--	--	--	**25**	--	--	--	--	--	--	--	--	--
GB-140	GB-140-W-120717	12/7/2017	P	--	--	--	--	**220**	--	--	--	--	--	--	--	--	--
GB-151	GB-151-W-120617	12/6/2017	P	--	--	--	--	**110**	--	--	--	--	--	--	--	--	--
GB-154	GB-154-W-120517	12/5/2017	P	--	--	--	--	**36**	--	--	--	--	--	--	--	--	--
Monitoring Well Samples																	
MW-POT-10	MW-POT-10	3/13/1991	P	--	--	--	--	**390**	--	--	--	--	--	--	--	--	--
MW-POT-10	POT-10W	10/14/1997	P	--	--	--	--	**220**	--	--	--	--	--	--	--	--	--
MW-POT-10	POT-10	1/11/2000	P	--	--	--	--	<10	**110**	--	--	--	--	--	--	--	--
MW-POT-10	POT-10-030200	3/2/2000	P	--	--	--	--	**100**	**300**	--	--	--	--	--	--	--	--
MW-POT-11	MW-POT-11	3/12/1991	P	--	--	--	--	--	--	--	--	--	--	--	--	--	**20**
MW-POT-11	MW-POT-11	3/12/1991	P	**270,000**	<20	**8,000**	**54,000**	**22**	--	<5000	**7,600**	<5000	<5000	**2,600**	**200,000**	**130,000**	--
MW-POT-12	MW-POT-12	3/13/1991	P	**710,000**	**630**	**100,000**	**190,000**	**140**	--	<5000	**49,000**	<5000	<5000	**22,000**	**310,000**	<5000	--
TB3-002	TB3-002W	12/2/1997	P	--	--	--	--	**20 J**	--	--	--	--	--	--	--	--	--
TB3-003	TB03-003W	12/2/1997	P	--	--	--	--	<10	--	--	--	--	--	--	--	--	--
TB3-003	TB3-003-010700	1/7/2000	P	--	--	--	--	<10	--	--	--	--	--	--	--	--	--
TB3-007	TB03-007W	12/2/1997	P	--	--	--	--	**20 J**	--	--	--	--	--	--	--	--	--
TB3-007	TB3-007	1/11/2000	P	--	--	--	--	<10	--	--	--	--	--	--	--	--	--
TB3-007	TB3-007-103002	10/30/2002	P	**880,000**	--	**58,000**	**320,000**	--	--	--	**80,000**	--	--	**20,000**	**350,000**	**18,000**	--
TB3-007	TB3-007_GW_001	2/17/2011	P	--	--	--	**15,000**	--	--	--	--	--	--	--	--	**37,000**	--
TB3-012	TB0312W	3/9/1998	P	--	--	--	--	<10	--	--	--	--	--	--	--	--	--

Notes:
All analytical results are presented in micrograms per liter (µg/L).
Detected results are presented in **bold**.
-- = Not analyzed for
< = Analyte was not detected at the given detection limit
bgs = Below ground surface
FD = Field duplicate
J = Estimated value
P = Primary sample

STATION A AREA

(Figures and Tables from "Risk Management Plan, Station A NRG Area, Potrero Power Plant Site, San Francisco, California" dated June 16, 2016, prepared by Haley & Aldrich, Inc. and PIVOX Corporation)



LEGEND

- MONITORING WELL
- BEDROCK MONITORING WELL
- DECOMMISSIONED BAY MUD MONITORING WELL
- DECOMMISSIONED MONITORING WELL
- DECOMMISSIONED BEDROCK MONITORING WELL
- SOIL BORING LOCATION
- SITE BOUNDARY
- PROPERTY BOUNDARY
- APPROXIMATE PARCEL BOUNDARY
- APPROXIMATE 1851 SHORELINE
- STATION A AREA COVERED BY THE RISK MANAGMENT PLAN (PG&A AREA)
- STATION A AREA COVERED BY THE RISK MANAGMENT PLAN (NRG AREA)
- GROUNDWATER FLOW DIRECTION

NOTES:

1. LOCATION AND DIMENSIONS OF SITE FEATURES ARE APPROXIMATE.
2. BASE MAP SOURCE: AMEC, 2011.

0 100 200
SCALE IN FEET

HALEY ALDRICH

PACIFIC GAS AND ELECTRIC COMPANY (PG&E)
RISK MANAGMENT PLAN - STATION A - NRG AREA
POTRERO POWER PLANT SITE
SAN FRANCISCO, CALIFORNIA

STATION A HISTORICAL SOIL AND GROUNDWATER SAMPLE LOCATIONS

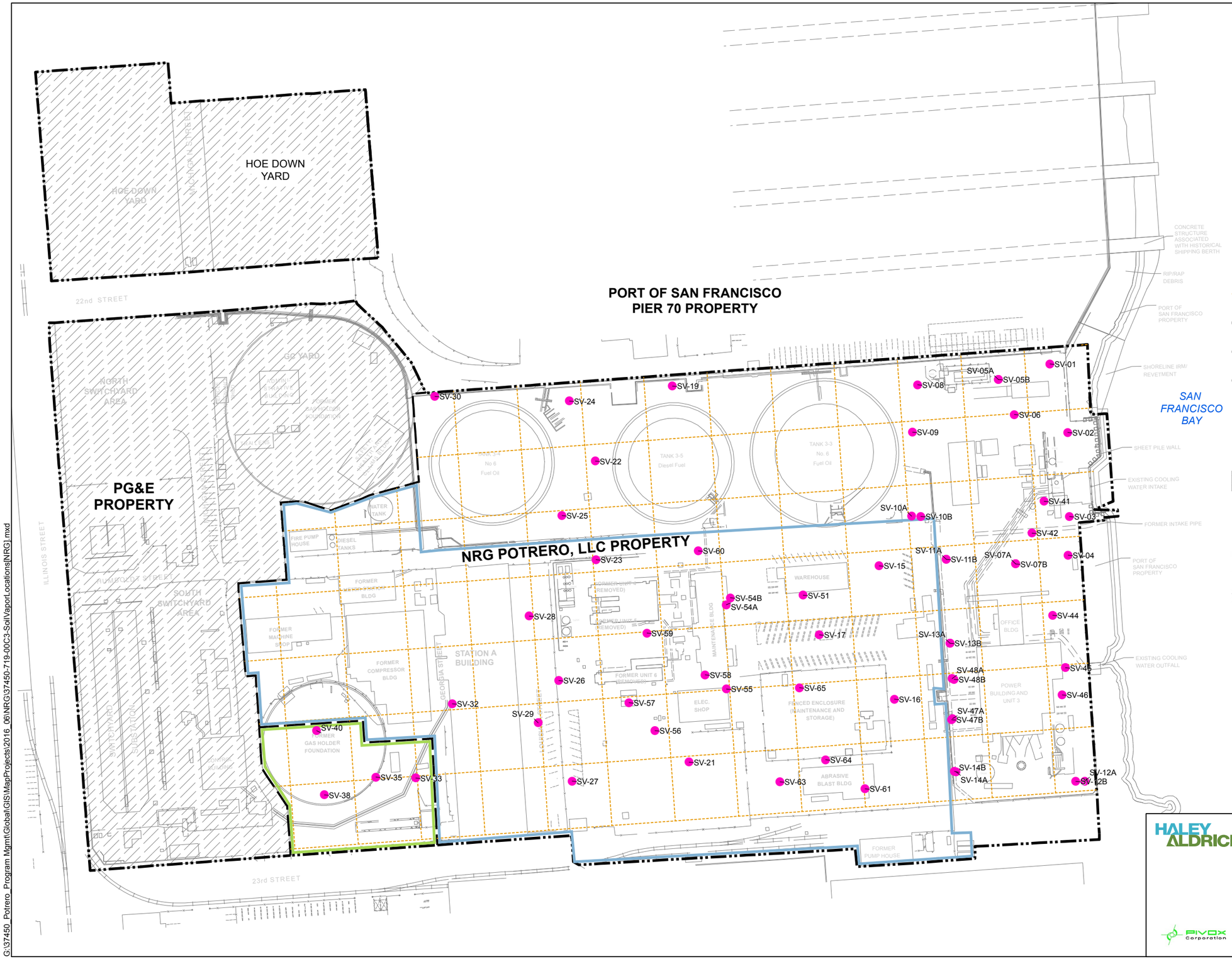
PIVOX Corporation

JUNE 2016

FIGURE C-2

GIS FILE PATH: \\sdg\common\37450_Potrero_Program Mgmt\Global\GIS\MapProjects\2016_06\NRG\37450-719-00C2-HistoricalSampleLocations[NRG].mxd — USER: dfm — LAST SAVED: 6/27/2016 3:44:17 PM

DRAFT



LEGEND

- SINGLE SOIL VAPOR PROBE
- NESTED SOIL VAPOR PROBE
- ABANDONED SOIL VAPOR PROBE LOCATION
- SOIL VAPOR PROBE INSTALLED BUT NOT SAMPLED DUE TO NO-FLOW CONDITIONS
- BULK SOIL SAMPLE AND SINGLE SOIL VAPOR PROBE
- AMBIENT AIR
- NON-TARGETED SAMPLING GRID
- SITE BOUNDARY
- PROPERTY BOUNDARY
- APPROXIMATE PARCEL BOUNDARY
- STATION A AREA COVERED BY THE RISK MANAGMENT PLAN (PG&A AREA)
- STATION A AREA COVERED BY THE RISK MANAGMENT PLAN (NRG AREA)
- AREA OUTSIDE SCOPE OF WORK PLAN

NOTES:

1. LOCATION AND DIMENSIONS OF SITE FEATURES ARE APPROXIMATE.
2. BASE MAP SOURCE: AMEC, 2011.
3. SOIL VAPOR PROBES INSTALLED BY TEG-NORTHERN CALIFORNIA, INC. OF RANCHO CORDOVA, CALIFORNIA BETWEEN OCTOBER 27-30, 2009.

0 140 280
SCALE IN FEET

HALEY ALDRICH

PACIFIC GAS AND ELECTRIC COMPANY (PG&E)
RISK MANAGMENT PLAN - STATION A - NRG AREA
POTRERO POWER PLANT SITE
SAN FRANCISCO, CALIFORNIA

STATION A
SOIL VAPOR SAMPLE LOCATIONS

PIVOX Corporation

JUNE 2016

FIGURE C-3

G:\37450_Potrero_Program Mgmt\Global\GIS\MapProjects\2016_06\NRG\37450-719-00C3-SoilVaporLocations(NRG).mxd

TABLE C-1

SUMMARY OF ANALYTICAL RESULTS FOR INORGANIC CONSTITUENTS IN SOIL SAMPLES[1]

Potrero Power Plant
San Francisco, California

All concentrations are presented in milligrams per kilogram (mg/kg)

Sample Point	Depth (feet bgs)	Sample Date	Sample Type	Soil Type	Saturated/ Unsaturated	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Chromium (VI)	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
Ecology & the Environment, 1991, Preliminary Endangerment Assessment, Potrero Power Plant, October 16--Analytical results reported in dry weight																							
B-POT-1	2.5	2/28/1991	Primary	Fill	Unsaturated	<6.3	<0.53	78	<0.53	2.8	26	--	6.1	29	44	0.64	<1	36	<21	<1	<10	27	41
B-POT-1	9	2/28/1991	Primary	Bedrock	Unsaturated	<6.7	<0.56	<2.2	<0.56	6.5	610	--	77	12	<5.6	<0.11	<1.1	1700	<22	<1.1	<11	18	39
B-POT-2	4.5	2/27/1991	Primary	Bedrock	Unsaturated	<6.7	<0.56	<2.2	<0.56	7.5	1700	--	84	15	6.3	<0.11	<1.1	1700	<22	<1.1	<17	36	31
B-POT-2	6.5	2/27/1991	Primary	Bedrock	Unsaturated	<6.7	<0.56	<2.2	<0.56	6.3	1600	--	89	20	<5.6	<0.11	<1.1	1700	<22	<1.1	<17	32	31
B-POT-3	3.5	2/22/1991	Primary	Fill/Brown	Unsaturated	16	95	320	<0.57	6.6	210	--	30	160	3400	1.9	<1.1	350	<2.3	<1.1	<0.57	43	530
B-POT-3	6	2/22/1991	Primary	Fill/Green	Unsaturated	<6.7	0.59	170	<0.56	3.5	200	--	29	72	20	<0.11	<1.1	520	<0.56	<1.1	<0.56	23	54
B-POT-3	10	2/22/1991	Primary	Fill/Brown	Unsaturated	<8	<0.67	<2.7	<0.67	<0.67	<1.3	--	<2.7	<2.7	<6.7	<0.13	<1.3	<2.7	<0.67	<1.3	<0.67	<2.7	<1.3
B-POT-3	12	2/22/1991	Primary	Fill/Green	Saturated	<7.6	2.8	99	<0.63	5.7	770	--	95	19	11	<0.13	<1.3	1300	<0.63	<1.3	<0.63	34	45
POT-9	3.5	3/4/1991	Primary	Bedrock	Unsaturated	<7.5	<0.62	6.3	<0.62	6.8	970	--	95	16	10	<0.12	<1.2	2300	<25	<1.2	<19	23	33
POT-9	5.5	3/4/1991	Primary	Bedrock	Unsaturated	<7	<0.59	2.7	<0.59	6.7	1200	--	76	9.5	10	<0.12	<1.2	1600	<24	<1.2	<12	24	27
POT-9	10	3/4/1991	Primary	Bedrock	Unsaturated	<7.5	<0.62	6.3	<0.62	6.7	490	--	94	14	8.2	<0.12	<1.2	2100	<25	<1.2	<12	17	58
POT-9	25	3/4/1991	Primary	Bedrock	Saturated	15	<0.56	<2.2	<0.56	6.4	1900	--	77	10	6.8	<0.11	<1.1	1800	<22	<1.1	<11	35	33
POT-14	3.5	3/5/1991	Primary	Fill/Brown	Unsaturated	<7	<0.58	<2.3	<0.58	4	160	--	70	5.8	8	<0.12	<1.2	2200	<23	<1.2	<17	15	45
POT-14	6	3/5/1991	Primary	Interface	Saturated	<6.7	<0.56	<2.2	<0.56	4.6	600	--	58	9.8	<5.6	<0.11	<1.1	1300	<22	<1.1	<17	15	26
POT-14	20.5	3/5/1991	Primary	Bedrock	Saturated	<7.9	<0.66	2.9	<0.66	5.4	760	--	62	9.6	<6.6	<0.13	<1.3	1500	<26	<1.3	<20	16	30
POT-15	3.5	3/1/1991	Primary	Fill	Unsaturated	<6.8	1.9	48	<0.57	3.3	59	--	12	7.9	17	<0.11	<1.1	50	<23	<1.1	<11	52	33
POT-15	5.5	3/1/1991	Primary	Fill	Unsaturated	<6.3	3.5	74	<0.53	2.5	19	--	4.4	180	140	0.47	<1	21	<21	<1	<10	20	99
POT-15	8.5	3/1/1991	Primary	Fill	Unsaturated	<7.4	3.4	220	<0.62	7.4	160	--	25	61	56	<0.12	<1.2	270	<25	<1.2	<12	60	140
POT-15	16.5	3/1/1991	Primary	Fill	Saturated	<10	2.4	66	<0.88	1.5	25	--	5.1	24	<8.8	<0.18	<1.8	55	<35	<1.8	<18	12	22
SS-APT-1	0.5	2/25/1991	Primary	Fill	Unsaturated	<6.1	2.7	92	<0.51	3.4	65	--	11	62	400	0.26	<1.0	110	130	<1.0	<10	48	320
SS-POT-1	0.5	3/1/1991	Primary	Fill	Unsaturated	<6.7	2.5	56	<0.56	3.2	110	--	19	30	99	<0.11	<1.1	340	<22	<1.1	<11	92	86
SS-POT-3	0.5	3/5/1991	Primary	Fill	Unsaturated	<7	5.4	220	<0.59	2.4	48	--	8.8	40	130	1.2	<1.2	150	<24	<1.2	<18	95	200
SS-POT-6	0.5	3/5/1991	Primary	Fill	Unsaturated	<6.5	12	240	1.8	3.4	91	--	13	98	120	0.38	<1.1	240	<22	<1.1	<16	240	180
PG&E, Technical and Ecological Services (TES), 1991, Soil Investigation Resutls For Diesel Dump Tank and Associated Piping Replacement Project, Potrero Power Plant, June[2]																							
TES-SB1	8.0	4/29/1991	Primary	Bedrock	Unsaturated	--	<0.4	--	--	--	--	--	--	--	17	<0.05	--	--	--	--	--	--	--
TES-SB2	3.5	4/29/1991	Primary	Fill	Unsaturated	--	2.8	--	--	--	--	--	--	--	100	1.2	--	--	--	--	--	--	--
TES-SB3	2.5	4/29/1991	Primary	Fill	Unsaturated	--	7.4	--	--	--	--	--	--	--	23	0.1	--	--	--	--	--	--	--
TES-SB4	2.5	4/29/1991	Primary	Fill	Unsaturated	--	4.1	--	--	--	--	--	--	--	360	0.17	--	--	--	--	--	--	--
TES-SB5	2.5	4/29/1991	Primary	Bedrock	Unsaturated	--	<0.4	--	--	--	--	--	--	--	15	<0.05	--	--	--	--	--	--	--
TES-SB6	2.0	4/29/1991	Primary	Bedrock	Unsaturated	--	<0.4	--	--	--	--	--	--	--	18	<0.05	--	--	--	--	--	--	--
TES-SB7	2.5	4/30/1991	Primary	Bedrock	Unsaturated	--	<0.8	--	--	--	--	--	--	--	130	0.06	--	--	--	--	--	--	--
TES-SB8	2.5	4/30/1991	Primary	Bedrock	Unsaturated	--	<0.8	--	--	--	--	--	--	--	17	<0.05	--	--	--	--	--	--	--
TES-SB9	2.5	4/30/1991	Primary	Bedrock	Unsaturated	--	0.9	--	--	--	--	--	--	--	37	<0.05	--	--	--	--	--	--	--
TES-SB10	2.5	4/30/1991	Primary	Bedrock	Unsaturated	--	<0.4	--	--	--	--	--	--	--	14	<0.05	--	--	--	--	--	--	--
TES-SB11	3.0	4/30/1991	Primary	Bedrock	Unsaturated	--	<0.4	--	--	--	--	--	--	--	17	<0.05	--	--	--	--	--	--	--
TES-SB12	3.0	4/30/1991	Primary	Bedrock	Unsaturated	--	<0.4	--	--	--	--	--	--	--	14	<0.05	--	--	--	--	--	--	--
TES-SB13	3.0	4/30/1991	Primary	Fill	Unsaturated	--	3.0	--	--	--	--	--	--	--	6	<0.05	--	--	--	--	--	--	--
TES-SB14	3.0	4/30/1991	Primary	Fill	Unsaturated	--	3.1	--	--	--	--	--	--	--	22	0.06	--	--	--	--	--	--	--
TES-SB15	3.0	4/30/1991	Primary	Fill	Unsaturated	--	1.9	--	--	--	--	--	--	--	9	<0.05	--	--	--	--	--	--	--
TES-SB16	3.0	4/30/1991	Primary	Fill	Unsaturated	--	2.8	--	--	--	--	--	--	--	14	0.1	--	--	--	--	--	--	--
TES-SB17	3.0	4/30/1991	Primary	Fill	Unsaturated	--	2.6	--	--	--	--	--	--	--	10	0.33	--	--	--	--	--	--	--
TES-SB18	8.5	4/30/1991	Primary	Fill	Unsaturated	--	5.9	--	--	--	--	--	--	--	79	0.19	--	--	--	--	--	--	--
TES-SB19	7.5	4/30/1991	Primary	Fill	Unsaturated	--	1.5	--	--	--	--	--	--	--	20	<0.05	--	--	--	--	--	--	--
TES-SB20	4.0	4/30/1991	Primary	Fill	Unsaturated	--	2.4	--	--	--	--	--	--	--	35	0.07	--	--	--	--	--	--	--
TES-SB21	3.0	4/30/1991	Primary	Bedrock	Unsaturated	--	<0.8	--	--	--	--	--	--	--	19	<0.05	--	--	--	--	--	--	--
TES-SB22	3.0	4/30/1991	Primary	Fill	Unsaturated	--	3	--	--	--	--	--	--	--	61	0.11	--	--	--	--	--	--	--
TES-SB23	3.0	4/30/1991	Primary	Fill	Unsaturated	--	2.1	--	--	--	--	--	--	--	9	<0.05	--	--	--	--	--	--	--

TABLE C-1

SUMMARY OF ANALYTICAL RESULTS FOR INORGANIC CONSTITUENTS IN SOIL SAMPLES[1]

Potrero Power Plant
San Francisco, California

All concentrations are presented in milligrams per kilogram (mg/kg)

Sample Point	Depth (feet bgs)	Sample Date	Sample Type	Soil Type	Saturated/ Unsaturated	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Chromium (VI)	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
TES-SB24	3.0	4/30/1991	Primary	Fill	Unsaturated	--	2.4	--	--	--	--	--	--	--	14	<0.05	--	--	--	--	--	--	--
TES-SB25	3.0	4/30/1991	Primary	Fill	Unsaturated	--	2.3	--	--	--	--	--	--	--	45	0.14	--	--	--	--	--	--	--
TES-SB26	9.0	4/30/1991	Primary	Fill	Unsaturated	--	1.8	--	--	--	--	--	--	--	9	<0.05	--	--	--	--	--	--	--
TES-SB27	3.0	4/30/1991	Primary	Fill	Unsaturated	--	2.0	--	--	--	--	--	--	--	22	0.06	--	--	--	--	--	--	--
Fluor Daniel GTI, 1998, Phase II Environmental Site Assessment, Potrero Power Plant, June--Analytical results reported in wet weight																							
TB1-001	1	12/8/1997	Primary	Fill/Brown	Unsaturated	<6	4.5	81.5	<0.5	<2	67.6	--	9.74	51.8	281	0.176	<10	130	1.4	<2	<1	50.9	70.3
TB1-001	6	12/8/1997	Primary	Fill/Green	Unsaturated	<6	2.6	39.3	<0.5	<2	394	--	41.9	36.4	4.12	0.086	<10	585	2.1	<2	<2	66.3	64.1
TB1-001	11	12/8/1997	Primary	Bedrock	Unsaturated	<6	1	<20	<0.5	<2	504	--	147	5.98	1.7	0.056	<10	1460	2	<2	<2	34.8	35.8
TB1-002	1	12/4/1997	Primary	Fill/Green	Unsaturated	<6	5.8	291	0.55	<2	148	--	25.3	43.2	327	0.17	<10	317	2	<2	<1	54.1	90.3
TB1-002	1	12/4/1997	Duplicate	Fill/Green	Unsaturated	<6	4.5	201	<0.5	<2	68.1	--	18.2	49.2	205	0.191	<10	128	1.7	<2	<1	62.4	94.2
TB1-002	6	12/9/1997	Primary	Fill/Green	Unsaturated	<6	2.2	43.1	<0.5	<2	751	--	65.8	18.7	18.9	0.081	<10	1310	3	<2	<1	27.1	29.3
TB1-002	6	12/9/1997	Duplicate	Fill/Green	Unsaturated	<6	<0.5	<20	<0.5	<2	848	--	75.4	15.9	<0.4	<0.05	<10	1550	2.8	<2	<1	20.8	18.5
TB1-002	11	12/9/1997	Primary	Fill/Green	Unsaturated	<6	0.6	<20	<0.5	<2	843	--	95.5	20.2	<0.4	<0.05	<10	1680	4.2	<2	<1	31.5	32.1
TB1-002	16	12/9/1997	Primary	Fill/Green	Saturated	<6	4.8	61.6	<0.5	<2	146	--	21	47.6	370	0.119	<10	137	3.6	<2	<1	60.5	59.3
TB1-002	22	12/9/1997	Primary	Fill/Green	Saturated	<6	4.8	57.9	<0.5	<2	127	--	12.9	28.9	28	0.07	<10	192	1.9	<2	<1	27.6	36
TB1-003	1	11/25/1997	Primary	Fill	Unsaturated	<6	5.8	70	0.64	<2	52	--	10.2	37.4	290	0.353	<10	60.4	<1	<2	<1	41.2	92.7
TB1-003	9	12/10/1997	Primary	Fill/Green	Unsaturated	<6	1.4	40	<0.5	<2	537	--	55.6	22	8.82	<0.05	<10	1100	2.1	<2	<2	33.7	25.6
TB1-003	13	12/10/1997	Primary	Fill/Green	Saturated	<6	3	79.4	<0.5	<2	195	--	26.2	18.6	4.25	0.068	<10	367	2.2	<2	<1	35	36.3
TB1-008	1	12/4/1997	Primary	Fill/Brown	Unsaturated	<6	4.6	380	<0.5	<2	42.9	--	15	82.9	69.3	0.382	<10	60.4	2	<2	<1	49.1	106
TB1-008	6	12/4/1997	Primary	Fill/Brown	Unsaturated	<6	4.3	66.5	<0.5	<2	61.2	--	11.9	8.71	19.6	0.087	<10	51.7	1.8	<2	<1	52.3	37.8
TB1-008	11	12/4/1997	Primary	Fill/Green	Unsaturated	<6	<0.5	<20	<0.5	<2	748	--	69	15.2	<0.4	<0.05	<10	1180	1.6	<2	<2	25.3	24.1
TB1-009	1	10/15/1997	Primary	Fill	Unsaturated	<6	6	107	<0.5	<2	285	--	33.4	75.4	40.1	0.434	<10	462	<1	<2	<1	45.4	84.6
TB1-009	8	10/15/1997	Primary	Fill	Unsaturated	<6	2.5	202	0.58	<2	126	--	20.3	23.1	8.85	<0.05	<10	145	<1	<2	<1	24.9	16.6
TB1-009	15	10/15/1997	Primary	Fill	Saturated	<6	2	68.1	<0.5	<2	90.8	--	7.88	13.9	16.1	0.09	<10	128	<1	<2	<1	15.8	14.5
TB1-009	20	10/15/1997	Primary	Fill	Saturated	<6	2.5	<20	<0.5	<2	461	--	60.5	20	10.4	<0.05	<10	1050	<1	<2	<1	22.9	17.9
TB1-009	25	10/23/1997	Primary	Bedrock	Saturated	<6	1.2	34.4	<0.5	<2	1180	--	89.1	21.8	0.53	<0.05	<10	1630	1.1	<2	<1	30.3	20.1
TB1-009	25	10/23/1997	Duplicate	Bedrock	Saturated	<6	1.4	45.1	<0.5	<2	755	--	64.6	12.6	0.6	<0.05	<10	1640	1.6	<2	<1	12.4	13.8
TB1-010	1	12/9/1997	Primary	Fill/Brown	Unsaturated	<6	3.7	928	0.61	<2	25.2	--	13.3	98.7	9.25	<0.05	<10	41.5	3.6	<2	<1	47.5	53.5
TB1-010	6	12/9/1997	Primary	Fill	Unsaturated	<6	4	197	<0.5	<2	35.3	--	6.01	54.1	258	0.442	<10	48.3	1.3	<2	<1	28.2	115
TB1-010	11	12/9/1997	Primary	Fill	Unsaturated	<6	4.4	105	<0.5	<2	12.4	--	<5	52.2	40.1	<0.05	<10	19.5	<1	<2	<1	39.2	72.3
TB1-011	1	12/9/1997	Primary	Fill/Brown	Unsaturated	<6	3.7	748	0.59	<2	73.8	--	18.4	82.9	32.5	<0.05	<10	137	3.5	<2	<1	51.4	67
TB1-011	1	12/9/1997	Duplicate	Fill/Brown	Unsaturated	<6	3.5	821	0.59	<2	43	--	14.7	86.4	17.4	<0.05	<10	77.2	3.5	<2	<1	50.3	57.7
TB1-011	9	12/9/1997	Primary	Bedrock	Unsaturated	<6	0.6	<20	<0.5	<2	1020	--	75.2	15.6	<0.4	<0.05	<10	1500	2.5	<2	<1	44.8	16
TB1-011	13	12/9/1997	Primary	Bedrock	Unsaturated	<6	<0.5	<20	<0.5	<2	1180	--	78.7	19.8	<0.4	<0.05	<10	1400	3.1	<2	<2	39.5	15.7
TB1-012	1	11/25/1997	Primary	Fill/Green	Unsaturated	<6	4.5	130	<0.5	<2	61.7	--	14.2	32.7	14.7	0.178	<10	88.1	<1	<2	<1	38.2	44.1
TB1-012	1	12/8/1997	Primary	Fill/Green	Unsaturated	<6	0.8	<20	<0.5	<2	609	--	69.2	13.2	11.3	<0.05	<10	1430	1.6	<2	<2	19.2	30.7
TB1-012	1	12/8/1997	Duplicate	Fill/Green	Unsaturated	<6	<0.5	<20	<0.5	<2	972	--	69.9	12	12.5	<0.05	<10	1390	1.7	<2	<2	23.7	31.8
TB1-012	6	12/8/1997	Primary	Fill/Green	Unsaturated	<6	1.4	85.9	<0.5	<2	483	--	63	11.3	2.9	<0.05	<10	954	2.4	<2	<1	33.3	30.5
TB1-012	10	12/8/1997	Primary	Fill/Green	Unsaturated	<6	16.8	205	0.6	<2	19.2	--	<5	23.3	9.85	<0.05	<10	33.1	3.7	<2	<1	21.4	51.9
TB2-001	1	11/26/1997	Primary	Fill/Green	Unsaturated	<6	1.7	61.6	<0.5	<2	597	--	46.9	72.1	93.9	0.374	<10	843	<1	<2	<1	29.5	74.2
TB2-001	1	11/26/1997	Duplicate	Fill/Green	Unsaturated	<6	1.8	65.6	<0.5	<2	549	--	44.3	65.5	87.8	0.742	<10	823	<1	<2	<1	28.9	70.9
TB2-001	7	11/26/1997	Primary	Bedrock	Unsaturated	<6	<0.5	<20	<0.5	<2	479	--	61.8	14.3	0.6	0.057	<10	1240	<1	<2	<1	11.8	9.57
TB2-001	12	11/26/1997	Primary	Bedrock	Unsaturated	<6	<0.5	<20	<0.5	<2	835	--	72.5	15.7	<0.4	<0.05	<10	1410	<1	<2	<1	20.8	10.9
TB2-002	1	11/26/1997	Primary	Fill/Brown	Unsaturated	<6	2.4	57.8	<0.5	<2	61.5	--	8.5	12.8	27.7	0.083	<10	101	<1	<2	<1	27.1	35.4
TB2-002	7	11/26/1997	Primary	Fill/Green	Unsaturated	<6	<0.5	<20	<0.5	<2	755	--	59.9	15.6	<0.4	<0.05	<10	1100	<1	<2	<1	26.4	18
TB2-002	12	11/26/1997	Primary	Fill/Green	Unsaturated	<6	<0.5	<20	<0.5	<2	1480	--	103	21.3	<0.4	<0.05	<10	1850	<1	<2	<1	33.8	19.3
TB2-003	1	12/2/1997	Primary	Fill/Green	Unsaturated	<6	3.7	117	<0.5	<2	282	<0.1	27.6	82.2	155	0.298	<10	501	1.6	<2	<1	39.2	102
TB2-003	6	12/2/1997	Primary	Bedrock	Unsaturated	<6	<0.5	24.1	<0.5	<2	579	<0.1	61.8	45.4	4.83	<0.05	<10	1070	2.1	<2	<1	22.5	54.5
TB2-003	10	12/2/1997	Primary	Bedrock	Unsaturated	<6	<0.5	<20	<0.5	<2	147	<0.1	39.7	24.1	<0.4	<0.05	<10	1040	1.3	<2	<1	8.32	22.7

TABLE C-1

SUMMARY OF ANALYTICAL RESULTS FOR INORGANIC CONSTITUENTS IN SOIL SAMPLES[1]

Potrero Power Plant
San Francisco, California

All concentrations are presented in milligrams per kilogram (mg/kg)

Sample Point	Depth (feet bgs)	Sample Date	Sample Type	Soil Type	Saturated/ Unsaturated	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Chromium (VI)	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
TB2-004	2	11/26/1997	Primary	Fill	Unsaturated	<6	3.3	343	<0.5	<2	366	--	76.3	61.4	59.2	0.298	<10	1710	<1	<2	<1	812	87.7
TB2-004	6	11/26/1997	Primary	Bedrock	Unsaturated	<6	<0.5	<20	<0.5	<2	567	--	46.6	21.7	<0.4	<0.05	<10	903	<1	<2	<1	20.5	6.82
TB2-004	10	11/26/1997	Primary	Bedrock	Unsaturated	<6	<0.5	<20	<0.5	<2	903	--	55.5	7.76	<0.4	<0.05	<10	1170	<1	<2	<1	26	8
TB2-004	10	11/26/1997	Duplicate	Bedrock	Unsaturated	<6	<0.5	<20	<0.5	<2	1160	--	88.6	22	<0.4	<0.05	<10	1500	<1	<2	<1	28.6	20.5
TB2-005	1	11/21/1997	Primary	Fill/Green	Unsaturated	<6	4.1	113	<0.5	<2	175	--	33.6	39.3	32.1	0.12	<10	620	<1	<2	<1	106	76
TB2-005	6	11/25/1997	Primary	Bedrock	Unsaturated	<6	<0.5	25.9	<0.5	<2	656	--	66.3	54.7	4.8	0.097	<10	1300	<1	<2	<1	36.7	28.6
TB2-005	6	11/25/1997	Duplicate	Bedrock	Unsaturated	<6	<0.5	<20	<0.5	<2	580	--	57.6	14.4	<0.4	<0.05	<10	1220	<1	<2	<1	25.1	12.3
TB2-005	10	11/25/1997	Primary	Bedrock	Unsaturated	<6	<0.5	<20	<0.5	<2	646	--	67.1	8.47	<0.4	<0.05	<10	1200	<1	<2	<1	21.6	14.8
TB2-006	1	11/21/1997	Primary	Fill/Brown	Unsaturated	<6	6.7	77.3	<0.5	<2	56.8	--	10.4	34.5	24.7	<0.05	<10	79.7	<1	<2	<1	58.9	92.1
TB2-006	6	11/21/1997	Primary	Fill	Unsaturated	<6	<0.5	<20	<0.5	<2	480	--	65.9	26.8	1.77	<0.05	<10	1410	<1	<2	1.21	24.1	28.7
TB2-006	10	11/21/1997	Primary	Bedrock	Unsaturated	<6	1.3	<20	<0.5	<2	94.9	--	80.9	7.17	<0.4	<0.05	<10	1770	<1	<2	1.32	17.2	31.7
TB4-002	1	12/8/1997	Primary	Fill/Brown	Unsaturated	<6	3.7	149	<0.5	<2	126	--	17.5	58.7	330	0.558	<10	186	1.8	<2	<1	27.5	78.1
TB4-002	1	12/8/1997	Duplicate	Fill/Brown	Unsaturated	<6	3.6	222	<0.5	<2	90.4	--	15	88.4	231	0.785	<10	136	1.9	<2	<1	32.2	87.5
TB4-002	6	12/8/1997	Primary	Bedrock	Unsaturated	<6	<0.5	<20	<0.5	<2	1280	--	76.4	13.6	<0.4	<0.05	<10	1520	1.6	<2	<2	30.8	18.2
TB4-003	1	11/26/1997	Primary	Fill/Brown	Unsaturated	<6	2.1	77.2	<0.5	<2	482	--	44.5	25.3	219	0.942	<10	805	<1	<2	<1	36	69.6
TB4-003	7	11/26/1997	Primary	Fill/Green	Saturated	<6	1.8	81.6	<0.5	<2	610	--	50	22	196	0.38	<10	924	<1	<2	<1	30.5	63.5
TB4-003	12	12/1/1997	Primary	Bedrock	Saturated	<6	<0.5	<20	<0.5	<2	492	--	74.8	6.61	<0.4	<0.05	<10	1390	2.4	<2	<1	7.79	9.56
TB4-004	1	12/8/1997	Primary	Fill/Brown	Unsaturated	<6	5.2	38.4	<0.5	<2	426	--	37.2	23.2	311	0.514	<10	695	1.7	<2	<1	39.3	81.8
TB4-004	7	12/8/1997	Primary	Interface	Unsaturated	<6	1.8	57.8	<0.5	<2	624	--	51.7	23.6	101	1.7	<10	1050	1.7	<2	<1	32.6	94.5
TB4-004	11	12/8/1997	Primary	Bedrock	Unsaturated	<6	<0.5	<20	<0.5	<2	1390	--	77	14.9	<0.4	<0.05	<10	1860	1.6	<2	<3	39.2	10.6
TB4-005	1	12/3/1997	Primary	Fill/Brown	Unsaturated	<6	1.1	96.2	<0.5	<2	663	--	66	22.1	112	0.216	<10	1250	3.5	<2	<1	27.9	97.3
TB4-005	1	12/3/1997	Duplicate	Fill/Brown	Unsaturated	<6	1.4	96.9	<0.5	<2	790	--	68.2	27.5	69.8	0.181	<10	1300	3.6	<2	1.06	31	219
TB4-005	6	12/3/1997	Primary	Bedrock	Unsaturated	7.5	<0.5	<20	<0.5	<2	1230	--	89.7	8.15	<0.4	<0.05	<10	1940	4.1	<2	<1	35.7	33
TB4-005	10	12/3/1997	Primary	Bedrock	Unsaturated	<6	<0.5	<20	<0.5	<2	327	--	41.9	5.86	<0.4	<0.05	<10	771	3.1	<2	<1	15.6	11.5
TB4-005	15	12/3/1997	Primary	Bedrock	Saturated	<6	<0.5	<20	<0.5	<2	673	--	70.9	24.2	<0.4	<0.05	<10	1210	2.9	<2	<1	18.2	37.9
TB4-006	1	12/3/1997	Primary	Fill/Brown	Unsaturated	<6	2.7	166	<0.5	<2	626	--	52.2	33	115	0.299	<10	995	2	<2	<2	34.4	78.3
TB4-006	6	12/3/1997	Primary	Bedrock	Unsaturated	<6	<0.5	<20	<0.5	<2	872	--	66.7	14.4	7.53	0.167	<10	1310	1.5	<2	<2	27.8	19.9
TB4-006	10	12/3/1997	Primary	Bedrock	Unsaturated	<6	0.6	<20	<0.5	<2	676	--	70.5	15.9	0.76	<0.05	<10	1380	2.4	<2	<2	27.8	23
TB4-006	15	12/3/1997	Primary	Bedrock	Saturated	<6	2.5	86.2	<0.5	<2	437	--	38.2	17.2	3.18	<0.05	<10	609	3	<2	<1	41.6	35.4
TB4-007	2	12/8/1997	Primary	Fill/Brown	Unsaturated	<6	14.4	310	0.53	<2	151	--	21.7	79.1	216	0.928	<10	304	1.8	<2	<1	44.6	137
TB4-007	6	12/8/1997	Primary	Fill/Brown	Unsaturated	<6	14.1	282	0.58	<2	183	--	22.3	90.3	289	0.475	<10	362	2.2	<2	<1	55.9	200
TB4-007	20	12/8/1997	Primary	Bedrock	Saturated	<6	22	84.4	<0.5	<2	8.78	--	8.72	67.8	152	0.264	<10	20.9	11.1	<2	<2	14	72.7
TB4-008	1	12/4/1997	Primary	Fill/Brown	Unsaturated	54.7	9.8	172	<0.5	<2	263	<0.1	21.1	83.7	922	0.963	<10	396	2.5	<2	<1	50.3	473
TB4-008	1	12/4/1997	Duplicate	Fill/Brown	Unsaturated	<6	11.3	164	<0.5	<2	192	<0.1	16.3	552	348	0.863	<10	301	2.8	<2	<1	51.4	461
TB4-008	4	12/4/1997	Primary	Fill/Green	Unsaturated	<6	2.5	28.5	<0.5	<2	9.09	<0.1	<5	69.6	21.1	0.389	<10	11.1	<1	<2	<1	<5	120
TB4-008	6	12/4/1997	Primary	Fill	Unsaturated	<6	4	481	0.65	<2	16.1	<0.1	<5	41.2	2.77	<0.05	<10	12.1	1.9	<2	<1	45.2	52.1
TB4-008	10	12/4/1997	Primary	Fill	Unsaturated	<6	2.8	576	1.16	<2	8.55	<0.1	<5	50.5	17.1	<0.05	<10	31.2	<1	<2	<1	24.1	27.3
TB4-008	15	12/4/1997	Primary	Fill	Saturated	<6	24.5	466	4.27	<2	13.8	<0.1	15.5	67.3	71.5	0.055	<10	44.3	2.6	<2	<2	47.1	64.7
TB4-008	20	12/4/1997	Primary	Fill/Green	Saturated	<6	2.4	150	<0.5	<2	57.5	<0.1	5.38	17.2	74.5	0.062	<10	93.9	<1	<2	<1	15.8	22.9
TB4-008	30	12/4/1997	Primary	Fill/Brown	Saturated	<6	2.9	20.3	<0.5	<2	53	<0.1	7.28	6.01	23.1	<0.05	<10	79	<1	<2	<1	16.2	15.3
TB4-009	1	12/2/1997	Primary	Fill/Brown	Unsaturated	<6	10.8	121	<0.5	<2	281	<0.1	30.8	52.8	118	0.44	<10	547	2	<2	<1	39	96.4
TB4-009	1	12/2/1997	Duplicate	Fill/Brown	Unsaturated	<6	9.9	169	<0.5	<2	318	<0.1	32.6	78.5	160	0.35	<10	564	1.9	<2	<1	48.9	112
TB4-009	6	12/2/1997	Primary	Fill/Brown	Unsaturated	<6	19.1	129	<0.5	<2	270	<0.1	31.6	43.9	102	0.281	<10	512	1.6	<2	<1	38.1	89.6
TB4-009	11	12/2/1997	Primary	Bedrock	Unsaturated	<6	<0.5	<20	<0.5	<2	956	<0.1	69.6	30.2	<0.4	<0.05	<10	2310	2.8	<2	<1	35.7	27.6
TB4-009	16	12/2/1997	Primary	Bedrock	Unsaturated	<6	<0.5	<20	<0.5	<2	175	<0.1	51.8	9.62	<0.4	<0.05	<10	1160	2.5	<2	<1	8.38	11.7
TB4-009	21	12/2/1997	Primary	Bedrock	Unsaturated	<6	<0.5	<20	<0.5	<2	712	<0.1	86.8	29.7	<0.4	<0.05	<10	1580	2.8	<2	<1	23.3	34.7
TB4-010	1	12/2/1997	Primary	Fill/Green	Unsaturated	<6	5.7	44.7	<0.5	<2	239	<0.1	27.6	67.6	130	0.269	<10	407	2.5	<2	<1	40.3	71.3
TB4-010	6	12/2/1997	Primary	Fill/Green	Unsaturated	<6	0.8	20	<0.5	<2	466	<0.1	60.2	21.7	22.7	0.075	<10	1070	2.5	<2	<1	24.7	28
TB4-010	10	12/3/1997	Primary	Fill/Green	Unsaturated	<6	4.5	20.3	<0.5	<2	447	<0.1	42.5	34.8	66.6	0.067	<10	734	2.6	<2	<1	28.5	51.5

TABLE C-1

SUMMARY OF ANALYTICAL RESULTS FOR INORGANIC CONSTITUENTS IN SOIL SAMPLES[1]

Potrero Power Plant
San Francisco, California

All concentrations are presented in milligrams per kilogram (mg/kg)

Sample Point	Depth (feet bgs)	Sample Date	Sample Type	Soil Type	Saturated/ Unsaturated	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Chromium (VI)	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
TB4-011	1	12/3/1997	Duplicate	Fill/Brown	Unsaturated	<6	6.9	285	<0.5	<2	124	<0.1	31.2	214	791	0.844	<10	286	3.5	<2	<1	139	307
TB4-011	1	12/3/1997	Primary	Fill/Brown	Unsaturated	<6	4.7	141	<0.5	<2	131	<0.1	18.2	191	478	0.567	<10	202	3.4	<2	<1	163	265
TB4-011	6	12/3/1997	Primary	Fill/Green	Unsaturated	<6	1.9	491	0.86	<2	246	<0.1	18.7	38.3	16.1	0.155	<10	324	2.1	<2	<1	42.9	46.2
TB4-011	11	12/3/1997	Primary	Fill/Green	Unsaturated	<6	2.8	619	1.11	<2	127	<0.1	18.3	118	128	1.66	<10	222	2	<2	<1	36.8	59.9
TB4-011	21	12/3/1997	Primary	Fill	Saturated	<6	1.3	59.1	<0.5	<2	288	<0.1	22.8	44.3	25.7	<0.05	<10	418	1.4	<2	<1	36	35.3
TB4-011	26	12/3/1997	Primary	Bedrock	Saturated	<6	<0.5	<20	<0.5	<2	1100	<0.1	82.7	13.2	<0.4	<0.05	<10	1670	2.8	<2	<1	24.7	14.9
TB4-012	3	12/1/1997	Primary	Fill/Green	Unsaturated	<6	7	729	1.13	<2	52.4	--	9.3	36.7	4.95	<0.05	<10	64.9	1.3	<2	<1	31.9	41.8
TB4-012	6	12/1/1997	Primary	Fill/Green	Unsaturated	<6	<0.5	<20	<0.5	<2	3.45	--	<5	2.96	0.44	<0.05	<10	<4	<1	<2	<1	<5	4.23
TB4-012	10	12/1/1997	Primary	Fill/Green	Unsaturated	<6	3.3	54.8	<0.5	<2	410	--	42.8	12.3	2.39	<0.05	<10	681	3.2	<2	<1	45.5	35.2
TB4-013	1	12/1/1997	Duplicate	Fill/Brown	Unsaturated	<6	3.2	48.4	<0.5	<2	588	--	45.7	21.7	70.3	0.565	<10	876	2.5	<2	<1	44.8	73.6
TB4-013	1	12/1/1997	Primary	Fill/Brown	Unsaturated	<6	2.4	74.9	<0.5	<2	733	--	65.9	42.4	100	0.59	<10	1330	3	<2	<1	41.7	96.8
TB4-013	6	12/1/1997	Primary	Fill/Brown	Saturated	<6	2	84.8	<0.5	<2	347	--	37.9	29	49.7	0.388	<10	709	1.8	<2	<1	30.8	58.2
TB4-013	11	12/1/1997	Primary	Bedrock	Saturated	<6	4.7	41.6	<0.5	<2	224	--	27.7	17.3	40.8	0.682	<10	499	1.5	<2	<1	27.3	36.7
TB4-014	1	12/3/1997	Primary	Fill/Brown	Unsaturated	16.6	46.4	233	0.57	<2	140	--	17.9	79.6	606	1.49	<10	300	3.5	<2	<1	106	183
TB4-014	6	12/3/1997	Primary	Fill/Brown	Unsaturated	<6	4.2	106	0.61	<2	4.85	--	<5	210	1840	<0.05	<10	16.9	2.4	<2	<1	16.2	237
TB4-014	11	12/3/1997	Primary	Fill/Brown	Unsaturated	<6	4.1	188	<0.5	<2	73	--	8.24	16.3	14.1	0.062	<10	132	1.4	<2	<1	22.2	13.9
TB4-014	21	12/3/1997	Primary	Bedrock	Saturated	<6	1.3	48	<0.5	<2	478	--	45.3	101	7.23	0.055	<10	911	1.8	<2	<1	25.8	70.8
TB4-015	1	12/1/1997	Primary	Fill	Unsaturated	<6	8.9	101	<0.5	<2	78.9	--	10.2	128	185	0.652	<10	139	1.7	<2	<1	38.4	128
TB4-015	6	12/1/1997	Primary	Fill	Unsaturated	<6	2	319	0.72	<2	<3	--	<5	73.5	5.76	<0.05	<10	6.8	<1	<2	<1	26.6	102
TB4-015	11	12/2/1997	Primary	Fill	Unsaturated	<6	0.6	196	<0.5	<2	<3	--	<5	5.91	225	<0.05	<10	<4	<1	<2	<1	9.21	40.1
TB4-015	20	12/2/1997	Primary	Fill/Brown	Saturated	<6	2.3	335	0.69	<2	8.66	--	5.04	22.8	25.9	<0.05	<10	20.1	1.2	<2	<1	24.3	9.44
TB4-015	30	12/2/1997	Primary	Bedrock	Saturated	<6	<0.5	<20	<0.5	<2	1080	--	87.7	20.6	<0.4	<0.05	<10	1770	3.2	<2	<1	27	27.4
TB5-001	1	12/2/1997	Primary	Fill/Brown	Unsaturated	<6	4.9	108	<0.5	<2	70.4	--	10.8	84.6	205	0.427	<10	131	1.9	<2	<1	41.7	141
TB5-001	6	12/2/1997	Primary	Fill/Green	Unsaturated	<6	<0.5	<20	<0.5	<2	927	--	87.7	27.4	<0.4	<0.05	<10	1600	2.2	<2	<1	26.4	18.1
TB5-001	10	12/2/1997	Primary	Bedrock	Unsaturated	<6	<0.5	<20	<0.5	<2	1030	--	54.8	24.4	<0.4	<0.05	<10	1060	1.6	<2	<1	25.6	9.59
TB5-001	15	12/2/1997	Primary	Bedrock	Unsaturated	<6	<0.5	<20	<0.5	<2	362	--	70.6	24	<0.4	<0.05	<10	1470	2.6	<2	<1	14.3	21.7
TB5-002	1	11/26/1997	Primary	Fill	Unsaturated	<6	1.7	98.4	<0.5	<2	351	--	46.3	38	41.8	0.101	<10	894	<1	<2	<1	156	38.3
TB5-002	6	11/26/1997	Primary	Fill	Unsaturated	<6	3.1	130	<0.5	<2	348	--	47.9	38.8	31.1	0.072	<10	835	<1	<2	<1	32.5	28.8
TB5-002	10	11/26/1997	Primary	Fill	Unsaturated	<6	0.8	136	<0.5	<2	109	--	61.5	8.59	8.02	<0.05	<10	1250	<1	<2	<1	6.93	19.3
TB5-003	1	11/26/1997	Primary	Fill/Brown	Unsaturated	36.1	16.2	269	<0.5	<2	198	--	29.2	1780	1240	0.523	<10	354	<1	<2	<1	97.5	370
TB5-003	6	11/26/1997	Primary	Bedrock	Unsaturated	<6	<0.5	<20	<0.5	<2	771	--	63.9	21.1	2.75	<0.05	<10	1220	<1	<2	<1	35	19.8
TB5-003	10	11/26/1997	Primary	Bedrock	Saturated	<6	<0.5	<20	<0.5	<2	501	--	105	17.8	<0.4	<0.05	<10	1320	<1	<2	<1	22.7	15.5
TS1-017	1	12/9/1997	Primary	Fill	Unsaturated	<6	5.1	57.8	<0.5	<2	45.7	--	10	40.4	82.8	0.104	<10	41.8	3.5	<2	<1	49.1	256
TS1-018	1	12/9/1997	Primary	Fill	Unsaturated	<6	4.1	93.2	<0.5	<2	45.3	--	8.94	23.3	25.7	0.054	<10	31.6	2.1	<2	<1	41.7	100
TS1-019	1	12/9/1997	Primary	Fill	Unsaturated	<6	3.7	112	<0.5	<2	31.4	--	6.83	34.4	51.5	0.116	<10	34.8	1.9	<2	<1	37.2	133
Geotechnical Consultants, Inc., 2004, Geotechnical Report, Potrero Power Plant, June--Analytical results reported in wet weight																							
TS4-016	1	12/10/1997	Primary	Fill	Unsaturated	7.32	29.8	589	<0.5	<2	237	--	21.6	81.9	274	0.442	<10	322	1.6	<2	<1	56.9	186
CHSB-1	0.5	2/24/2004	Primary	Fill	Unsaturated	<10	82	44	<1	<1	190	--	15	14	<10	<0.02	<4	240	<10	<1	92	34	21
CHSB-1	3.5	2/24/2004	Primary	Bedrock	Unsaturated	11	80	<10	<1	<1	710	--	57	10	<10	<0.02	<4	1100	<10	<1	180	26	15
CHSB-2	0.5	2/24/2004	Primary	Fill	Unsaturated	<10	39	24	<1	<1	59	--	7.3	6.5	15	0.052	<4	88	<10	<1	38	21	20
CHSB-2	3.5	2/24/2004	Primary	Fill	Unsaturated	<10	48	22	<1	<1	170	--	18	7.1	22	0.062	<4	340	<10	<1	64	22	20
CHSB-3	0.5	2/25/2004	Primary	Fill	Unsaturated	<10	110	72	<1	<1	64	--	12	85	64	0.19	<4	100	<10	<1	98	76	77
CHSB-3	3.5	2/25/2004	Primary	Fill	Unsaturated	<10	77	590	<1	<1	98	--	7.3	25	<10	0.073	<4	30	<10	<1	26	28	28
CHSB-4	0.5	2/25/2004	Primary	Fill	Unsaturated	<10	45	36	<1	<1	58	--	6.2	10	44	0.088	<4	55	<10	<1	45	26	42
CHSB-4	3.5	2/25/2004	Primary	Fill	Unsaturated	<10	42	80	<1	<1	36	--	4.9	19	150	0.16	<4	31	<10	<1	41	23	110
CHSB-5	0.5	2/24/2004	Primary	Fill	Unsaturated	<10	56	41	<1	<1	39	--	6.6	11	13	0.042	<4	62	<10	<1	52	26	29
CHSB-5	3.5	2/24/2004	Primary	Fill	Unsaturated	<10	51	17	<1	<1	110	--	14	7.3	<10	0.092	<4	230	<10	<1	62	33	26
CHSB-6	0.5	2/25/2004	Primary	Fill	Unsaturated	<10	99	55	<1	<1	250	--	29	120	160	4.6	<4	540	<10	<1	150	47	100
CHSB-6	3.5	2/25/2004	Primary	Bedrock	Unsaturated	11	84	40	<1	<1	450	--	52	82	310	0.22	<4	1100	<10	<1	170	27	120

TABLE C-1

SUMMARY OF ANALYTICAL RESULTS FOR INORGANIC CONSTITUENTS IN SOIL SAMPLES[1]

Potrero Power Plant
San Francisco, California

All concentrations are presented in milligrams per kilogram (mg/kg)

Sample Point	Depth (feet bgs)	Sample Date	Sample Type	Soil Type	Saturated/ Unsaturated	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Chromium (VI)	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
CHSB-7	0.5	2/25/2004	Primary	Fill	Unsaturated	**10**	**73**	**77**	<1	<1	**240**	--	**23**	**40**	**79**	**0.3**	<4	**420**	<10	<1	**98**	**35**	**62**
CHSB-7	3.5	2/25/2004	Primary	Fill	Unsaturated	**14**	**89**	<10	<1	<1	**660**	--	**67**	**13**	<10	<0.02	<4	**1400**	<10	<1	**190**	**24**	**13**
CHSB-8	0.5	2/24/2004	Primary	Fill	Unsaturated	**11**	**70**	**34**	<1	<1	**760**	--	**52**	**21**	<10	**0.14**	<4	**1100**	<10	<1	**140**	**50**	**51**
CHSB-8	3.5	2/24/2004	Primary	Bedrock	Unsaturated	**12**	**65**	<10	<1	<1	**700**	--	**47**	**8.3**	<10	<0.02	<4	**970**	<10	<1	**140**	**24**	**13**

Notes:
1. Soil samples analyzed for Title 22 metals using EPA Methods 6000 series and 7000 series (for mercury).
2. No information was provided in the analytical laboratory reports or Soil Investigation Report (TES, 1991) regarding wet or dry weight basis of soil sample results. The results were assumed to have been reported on a wet weight basis.
3. The results higlighted in green were sampled from the Station A PG&E Area.

Abbreviations
"Bold" = detected above the laboratory reporting limit
EPA = U.S. Environmental Protection Agency
< = not detected above the laboratory reporting limit
-- = not analyzed

TABLE C-2

SUMMARY OF ANALYTICAL RESULTS FOR POLYCYCLIC AROMATIC HYDROCARBONS (PAHs) IN SOIL SAMPLES[1]

Potrero Power Plant

San Francisco, California

All concentrations are presented in milligrams per kilogram (mg/kg)

Sample Point	Depth (feet bgs)	Sample Date	Sample Type	Soil Type	Saturated/ Unsaturated	Analytical Method	Acenaph-thene	Acenaph-thylene	Anthracene	Benz(a) anthracene	Benzo(a) pyrene	Benzo(b) fluoranthene	Benzo(ghi) perylene	Benzo(k) fluoranthene	Chrysene	Dibenz(ah) anthracene	Fluor-anthene	Fluorene	Indeno (1,2,3-cd) pyrene	Naphthalene	Phen-anthrene	Pyrene
Ecology & the Environment, 1991, Preliminary Endangerment Assessment, Potrero Power Plant, October 16--Analytical results reported in dry weight																						
B-POT-1	2.5	2/28/1991	Primary	Fill	Unsaturated	EPA 8310	**2.6**	<0.53	**0.16**	**0.32**	**2.8**	**0.82**	**6.5**	**1**	<0.053	**6.9**	**1.7**	<0.053	**1.3**	<0.53	**0.28**	**5.2**
B-POT-1	9	2/28/1991	Primary	Bedrock	Unsaturated	EPA 8310	<0.56	<0.56	<0.056	<0.056	<0.056	<0.056	<0.14	<0.056	<0.056	<0.14	<0.14	<0.056	<0.056	<0.56	<0.056	<0.14
B-POT-2	4.5	2/27/1991	Primary	Bedrock	Unsaturated	EPA 8310	<0.56	<0.56	<0.056	<0.056	<0.056	<0.056	<0.14	<0.056	<0.056	<0.14	<0.14	<0.056	<0.056	<0.56	<0.056	<0.14
B-POT-2	6.5	2/27/1991	Primary	Bedrock	Unsaturated	EPA 8310	<0.56	<0.56	<0.056	<0.056	<0.056	<0.056	<0.14	<0.056	<0.056	<0.14	<0.14	<0.056	<0.056	<0.56	<0.056	<0.14
B-POT-3	3.5	2/22/1991	Primary	Fill/Brown	Unsaturated	EPA 8310	<5.7	<5.7	<0.57	<0.57	<0.57	<0.57	<1.4	<0.57	<0.57	<1.4	<1.4	<0.57	<0.57	<5.7	**0.68**	**2.5**
B-POT-3	6	2/22/1991	Primary	Fill	Unsaturated	EPA 8310	<0.56	<0.56	<0.056	<0.056	<0.056	<0.056	<0.14	<0.056	<0.056	<0.14	<0.14	<0.056	<0.056	<0.56	<0.056	<0.14
B-POT-3	10	2/22/1991	Primary	Fill/Brown	Unsaturated	EPA 8310	<6.7	<6.7	**0.67**	**2.4**	**4.3**	**6**	<1.7	**1.9**	**4.6**	<1.7	**6**	<0.67	<0.67	<6.7	<0.67	**18**
B-POT-3	11.5	2/22/1991	Primary	Fill/Green	Unsaturated	EPA 8310	**3**	<1.3	**0.82**	**1.9**	**0.62**	**0.22**	<0.32	**0.29**	**0.96**	<0.32	**49**	**0.89**	**0.14**	<1.3	**2.3**	**10**
POT-9	3.5	3/4/1991	Primary	Bedrock	Unsaturated	EPA 8310	<0.62	<0.62	<0.062	<0.062	<0.062	<0.062	<0.16	<0.062	<0.062	<0.16	<0.16	<0.062	<0.062	<0.62	<0.062	<0.16
POT-9	5.5	3/4/1991	Primary	Bedrock	Unsaturated	EPA 8310	<0.59	<0.59	<0.059	<0.059	<0.059	<0.059	<0.15	<0.059	<0.059	<0.15	<0.15	<0.059	<0.059	<0.59	<0.059	<0.15
POT-9	10	3/4/1991	Primary	Bedrock	Unsaturated	EPA 8310	<0.62	<0.62	<0.062	<0.062	<0.062	<0.062	<0.16	<0.062	<0.062	<0.16	<0.16	<0.062	<0.062	<0.62	<0.062	<0.16
POT-9	25	3/4/1991	Primary	Bedrock	Saturated	EPA 8310	<0.6	<0.6	<0.06	<0.06	<0.06	<0.06	<0.15	<0.06	<0.06	<0.15	<0.15	<0.06	<0.06	<0.6	<0.06	<0.15
POT-14	3.5	3/5/1991	Primary	Fill/Brown	Unsaturated	EPA 8310	<0.58	<0.58	<0.058	<0.058	<0.058	<0.058	<0.14	<0.058	<0.058	<0.14	<0.14	<0.058	<0.058	<0.58	<0.058	<0.14
POT-14	6	3/5/1991	Primary	Interface	Saturated	EPA 8310	<0.56	<0.56	<0.056	<0.056	<0.056	<0.056	<0.14	<0.056	<0.056	<0.14	<0.14	<0.056	<0.056	<0.56	<0.056	<0.14
POT-14	20.5	3/5/1991	Primary	Bedrock	Saturated	EPA 8310	<0.66	<0.66	<0.066	<0.066	<0.066	<0.066	<0.16	<0.066	<0.066	<0.16	<0.16	<0.066	<0.066	<0.66	<0.066	<0.16
POT-15	3.5	3/1/1991	Primary	Fill	Unsaturated	EPA 8310	<0.57	<0.57	<0.057	<0.057	<0.057	<0.057	<0.14	<0.057	<0.057	<0.14	<0.14	<0.057	<0.057	<0.57	<0.057	<0.14
POT-15	5.5	3/1/1991	Primary	Fill	Unsaturated	EPA 8310	<0.53	<0.53	<0.053	<0.053	**2.6**	**0.34**	**2.2**	**0.37**	<0.053	**5.4**	**0.6**	<0.053	**0.33**	<0.53	**0.24**	**0.62**
POT-15	8.5	3/1/1991	Primary	Fill	Unsaturated	EPA 8310	**22**	<0.62	**1.1**	**2.8**	**7.2**	**4.3**	**5.6**	**2.7**	**3.8**	**7**	**5.6**	**3.2**	**3.3**	<0.62	**2.3**	**8**
POT-15	16.5	3/1/1991	Primary	Fill	Saturated	EPA 8310	**32**	**6.1**	**3.5**	**28**	**47**	**40**	**110**	**42**	**45**	<0.13	**28**	**5.3**	**8.2**	<4.4	**3**	**110**
SS-APT-1	0.5	2/25/1991	Primary	Fill	Unsaturated	EPA 8310	<2.6	<2.6	<0.26	**0.87**	**2.6**	**1**	**4**	**0.7**	**0.96**	**5.3**	**4.7**	<0.26	**2.2**	<2.6	**1.4**	**5.8**
SS-POT-1	0.5	3/1/1991	Primary	Fill	Unsaturated	EPA 8310	<0.56	<0.56	**1.2**	**4.5**	**7.3**	**4**	**5.2**	**2.5**	**5.3**	**5.6**	**11**	**1.5**	**3.8**	**9.7**	**3.8**	**17**
SS-POT-3	0.5	3/5/1991	Primary	Fill	Unsaturated	EPA 8310	**20**	**9.4**	**0.98**	**4**	**3.9**	**2.9**	**3.2**	**2.1**	**4.2**	**4.2**	**11**	<0.29	**1.6**	**15**	**7.4**	**11**
SS-POT-6	0.5	3/5/1991	Primary	Fill	Unsaturated	EPA 8310	<2.7	<2.7	**0.28**	**0.54**	**2.1**	**1.1**	**3.2**	**0.87**	**1.3**	**4.4**	**2.8**	**0.73**	**1.2**	**4.1**	**1.4**	**3.8**
Fluor Daniel GTI, 1998, Phase II Environmental Site Assessment, Potrero Power Plant, June--Analytical results reported in wet weight																						
TB1-001	1	12/8/1997	Primary	Fill/Brown	Unsaturated	EPA 8310	**84**	<1200	<60	<60	**43**	<60	<60	<60	<60	<30	**40**	<60	**25**	**51**	**46**	**70**
TB1-001	6	12/8/1997	Primary	Fill/Green	Unsaturated	EPA 8310	<0.1	<2	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.05	<0.1	<0.1	<0.06	<0.1	<0.1	<0.1
TB1-001	11	12/8/1997	Primary	Bedrock	Unsaturated	EPA 8310	<0.1	<2	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.05	<0.1	<0.1	<0.06	<0.1	<0.1	<0.1
TB1-002	1	12/4/1997	Duplicate	Fill/Green	Unsaturated	EPA 8310	**120**	<600	<30	**49**	**65**	**46**	**40**	**29**	**83**	**20**	**110**	<30	**35**	**44**	**50**	**100**
TB1-002	1	12/4/1997	Primary	Fill/Green	Unsaturated	EPA 8270	<10	<20	<10	**23.4**	**25.3**	**26.8**	**17.4**	<10	**32**	<5	**30.8**	<10	<6	<20	**34.2**	**54.4**
TB1-002	1	12/4/1997	Duplicate	Fill/Green	Unsaturated	EPA 8270	<10	<20	<10	**39**	**35.4**	**17.9**	**24.3**	**33**	**43.6**	<5	**36.1**	<10	**19.4**	<20	**33.3**	**96.2**
TB1-002	1	12/4/1997	Primary	Fill/Green	Unsaturated	EPA 8310	<15	<300	<15	**15**	**21**	**14**	**11**	<15	**25**	**6.4**	**33**	<15	**12**	**15**	**18**	**31**
TB1-002	6	12/9/1997	Duplicate	Fill/Green	Unsaturated	EPA 8310	**1.2**	<50	<2.5	<2.5	<1.2	<2.5	<2.5	<2.5	<2.5	<1.2	**1.1**	<2.5	<1.5	**1.2**	<2.5	<2.5
TB1-002	6	12/9/1997	Primary	Fill/Green	Unsaturated	EPA 8310	<2.5	<50	<2.5	<2.5	<1.2	<2.5	<2.5	<2.5	<2.5	<1.2	<2.5	<2.5	<1.5	<2.5	<2.5	<2.5
TB1-002	11	12/9/1997	Primary	Fill/Green	Unsaturated	EPA 8310	<2.5	<50	<2.5	<2.5	<1.25	<2.5	<2.5	<2.5	<2.5	<1.25	<2.5	<2.5	<1.5	<2.5	<2.5	<2.5
TB1-002	16	12/9/1997	Primary	Fill/Green	Saturated	EPA 8310	**1.2**	<34	<1.7	<1.7	<0.85	<1.7	<1.7	<1.7	<1.7	<0.85	**1.1**	<1.7	<1.02	**1.2**	<1.7	<1.7
TB1-002	16	12/9/1997	Primary	Fill/Green	Saturated	EPA 8270C	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66
TB1-002	22	12/9/1997	Primary	Fill/Green	Saturated	EPA 8310	<0.8	<16	<0.8	<0.8	<0.4	<0.8	<0.8	<0.8	<0.8	<0.4	<0.8	<0.8	<0.48	<0.8	<0.8	<0.8
TB1-003	1	11/25/1997	Primary	Fill	Unsaturated	EPA 8310	<5	<10	<5	<5	<2.5	<5	<5	<5	<5	**2.79**	<5	<5	<3	**15.2**	<5	<5
TB1-003	9	12/10/1997	Primary	Fill/Green	Unsaturated	EPA 8310	<2	<40	<2	<2	<1	<2	<2	<2	<2	<1	<2	<2	<1.2	<2	<2	<2
TB1-003	13	12/10/1997	Primary	Fill/Green	Saturated	EPA 8310	<0.1	<2	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.05	<0.1	<0.1	<0.06	<0.1	<0.1	<0.1
TB1-008	1	12/4/1997	Primary	Fill/Brown	Unsaturated	EPA 8270	<1	<2	<1	<1	<0.5	<1	<1	<1	<1	<0.5	<1	<1	<0.6	<2	<1	**1.94**
TB1-008	1	12/4/1997	Primary	Fill/Brown	Unsaturated	EPA 8310	<1	<20	<1	<1	**0.64**	**0.57**	**1.3**	<1	**0.54**	**0.33**	**0.94**	<1	**0.69**	<1	**0.74**	**0.93**
TB1-008	6	12/4/1997	Primary	Fill/Brown	Unsaturated	EPA 8270	<0.1	<0.2	<0.1	<0.1	<0.05	<0.1	**0.248**	<0.1	<0.1	<0.05	<0.1	<0.1	<0.06	<0.2	<0.1	<0.1
TB1-008	6	12/4/1997	Primary	Fill/Brown	Unsaturated	EPA 8310	<0.1	<2	<0.1	<0.1	**0.058**	**0.056**	**0.075**	<0.1	<0.1	**0.044**	**0.076**	<0.1	**0.077**	<0.1	<0.1	**0.091**
TB1-008	11	12/4/1997	Primary	Fill/Green	Unsaturated	EPA 8270	<0.1	<0.2	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.05	<0.1	<0.1	<0.06	<0.2	<0.1	<0.1
TB1-008	11	12/4/1997	Primary	Fill/Green	Unsaturated	EPA 8310	<0.1	<2	<0.1	<0.1	**0.031**	<0.1	<0.1	<0.1	<0.1	**0.035**	<0.1	<0.1	**0.054**	<0.1	<0.1	<0.1
TB1-009	1	10/15/1997	Primary	Fill	Unsaturated	EPA 8310	<0.1	**0.464**	<0.1	<0.1	**0.218**	**0.112**	<0.1	<0.1	<0.1	<0.05	**0.432**	<0.1	**0.0828**	<0.2	**0.171**	<0.1
TB1-009	8	10/15/1997	Primary	Fill	Unsaturated	EPA 8310	<0.2	<0.4	<0.2	**0.272**	**0.803**	**0.498**	**0.589**	**0.304**	<0.2	**0.196**	**0.608**	<0.2	**0.53**	<0.4	**0.232**	**0.341**
TB1-009	15	10/15/1997	Primary	Fill	Saturated	EPA 8310	<3	<6	<3	**8.3**	**12.3**	**7.36**	<3	<3	**14.6**	**3.96**	**6.69**	<3	**3.66**	<6	**3.97**	<3
TB1-009	20	10/15/1997	Primary	Fill	Saturated	EPA 8310	<5	**42**	**125**	**111**	**119**	**65.8**	**45.5**	**41.6**	**145**	**33.5**	**332**	**50.6**	**27.1**	**65.5**	**154**	**168**
TB1-009	25	10/23/1997	Primary	Bedrock	Saturated	EPA 8310	<0.1	<0.2	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.05	<0.1	<0.1	<0.06	<0.2	<0.1	<0.1
TB1-009	25	10/23/1997	Duplicate	Bedrock	Saturated	EPA 8310	<0.1	<0.2	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.05	<0.1	<0.1	<0.06	<0.2	<0.1	<0.1
TB1-010	1	12/9/1997	Primary	Fill/Brown	Unsaturated	EPA 8310	<1.3	<26	<1.3	<1.3	<0.65	<1.3	<1.3	<1.3	<1.3	<0.65	<1.3	<1.3	<0.78	<1.3	<1.3	<1.3
TB1-010	6	12/9/1997	Primary	Fill	Unsaturated	EPA 8310	<0.5	<10	<0.5	<0.5	<0.25	<0.5	<0.5	<0.5	<0.5	<0.25	<0.5	<0.5	<0.3	<0.5	<0.5	<0.5

TABLE C-2

SUMMARY OF ANALYTICAL RESULTS FOR POLYCYCLIC AROMATIC HYDROCARBONS (PAHs) IN SOIL SAMPLES[1]

Potrero Power Plant

San Francisco, California

All concentrations are presented in milligrams per kilogram (mg/kg)

Sample Point	Depth (feet bgs)	Sample Date	Sample Type	Soil Type	Saturated/ Unsaturated	Analytical Method	Acenaph-thene	Acenaph-thylene	Anthracene	Benz(a) anthracene	Benzo(a) pyrene	Benzo(b) fluoranthene	Benzo(ghi) perylene	Benzo(k) fluoranthene	Chrysene	Dibenz(ah) anthracene	Fluor-anthene	Fluorene	Indeno (1,2,3-cd) pyrene	Naphthalene	Phen-anthrene	Pyrene
TB1-010	11	12/9/1997	Primary	Fill	Unsaturated	EPA 8310	<0.5	<10	<0.5	<0.5	<0.25	<0.5	<0.5	<0.5	<0.5	<0.25	<0.5	<0.5	<0.3	<0.5	<0.5	<0.5
TB1-011	1	12/9/1997	Primary	Fill/Brown	Unsaturated	EPA 8310	<1.3	<26	<1.3	<1.3	<0.65	<1.3	<1.3	<1.3	<1.3	<0.65	<1.3	<1.3	<0.78	<1.3	<1.3	<1.3
TB1-011	1	12/9/1997	Duplicate	Fill/Brown	Unsaturated	EPA 8310	<4.2	<84	<4.2	<4.2	<2.1	<4.2	<4.2	<4.2	<4.2	<2.1	<4.2	<4.2	<2.5	<4.2	<4.2	<4.2
TB1-011	9	12/9/1997	Primary	Bedrock	Unsaturated	EPA 8310	<0.5	<10	<0.5	<0.5	<0.25	<0.5	<0.5	<0.5	<0.5	<0.25	<0.5	<0.5	<0.3	<0.5	<0.5	<0.5
TB1-011	13	12/9/1997	Primary	Bedrock	Unsaturated	EPA 8310	<0.5	<10	<0.5	<0.5	<0.25	<0.5	<0.5	<0.5	<0.5	<0.25	<0.5	<0.5	<0.3	<0.5	<0.5	<0.5
TB1-012	1	11/25/1997	Primary	Fill/Green	Unsaturated	EPA 8310	<0.3	**0.932**	<0.3	<0.3	<0.15	<0.3	<0.3	<0.3	<0.3	**0.617**	<0.3	<0.3	**0.202**	<0.6	<0.3	<0.3
TB1-012	1	12/8/1997	Primary	Fill/Green	Unsaturated	EPA 8310	<1	<20	<1	<1	**0.59**	**0.5**	<1	<1	**0.51**	**0.37**	**1.1**	<1	**0.51**	**0.59**	**0.69**	**1.5**
TB1-012	1	12/8/1997	Duplicate	Fill/Green	Unsaturated	EPA 8310	<2	<40	<2	**1**	**1.3**	**1**	<2	<2	**1.2**	**0.76**	**2.8**	<2	**1.1**	**1.9**	**2.4**	**2.8**
TB1-012	6	12/8/1997	Primary	Fill/Green	Unsaturated	EPA 8310	<0.1	<2	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.05	<0.1	<0.1	<0.06	<0.1	<0.1	<0.1
TB1-012	10	12/8/1997	Primary	Fill/Green	Unsaturated	EPA 8310	**46**	<200	<10	**14**	**40**	**27**	**18**	**10**	**16**	**28**	**15**	<10	**26**	<10	**7.3**	**15**
TB2-001	1	11/26/1997	Duplicate	Fill/Green	Unsaturated	EPA 8310	<0.5	<1	<0.5	<0.5	**0.809**	<0.5	**0.861**	<0.5	<0.5	**0.469**	<0.5	<0.5	**0.685**	<1	<0.5	**1.02**
TB2-001	1	11/26/1997	Primary	Fill/Green	Unsaturated	EPA 8310	<1	<2	<1	<1	**1.26**	<1	**2.07**	<1	<1	**0.928**	**1.06**	<1	**1.15**	<2	<1	**1.92**
TB2-001	7	11/26/1997	Primary	Bedrock	Unsaturated	EPA 8310	<1	<2	<1	<1	**1.37**	<1	**1.38**	<1	<1	<0.5	**2.01**	<1	**1.06**	<2	<1	**1.56**
TB2-001	12	11/26/1997	Primary	Bedrock	Unsaturated	EPA 8310	<0.2	<0.4	<0.2	<0.2	<0.1	<0.2	<0.2	<0.2	<0.2	<0.1	<0.2	<0.2	<0.12	<0.4	<0.2	<0.2
TB2-002	1	11/26/1997	Primary	Fill/Brown	Unsaturated	EPA 8310	<0.5	**1.04**	<0.5	<0.5	**0.294**	<0.5	<0.5	<0.5	<0.5	**0.861**	<0.5	<0.5	**0.85**	<1	<0.5	<0.5
TB2-002	7	11/26/1997	Primary	Fill/Green	Unsaturated	EPA 8310	<1	<2	<1	<1	**1.2**	<1	<1	<1	<1	<0.5	**2.16**	<1	**0.696**	<2	**1.49**	**2.72**
TB2-002	12	11/26/1997	Primary	Fill/Green	Unsaturated	EPA 8310	<0.1	<0.2	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.05	<0.1	<0.1	<0.06	<0.2	<0.5	<0.1
TB2-003	1	12/2/1997	Primary	Fill/Green	Unsaturated	EPA 8310	**2.6**	<40	<2	<2	**1.7**	**1.4**	**1.7**	<2	**1.5**	**1.1**	**2**	<2	**1.9**	**2.4**	**1.8**	**2.8**
TB2-003	6	12/2/1997	Primary	Bedrock	Unsaturated	EPA 8310	<0.1	<2	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.05	<0.1	<0.1	<0.06	<0.1	<0.1	<0.1
TB2-003	10	12/2/1997	Primary	Bedrock	Unsaturated	EPA 8310	<0.1	<2	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.05	<0.1	<0.1	<0.06	<0.1	<0.1	<0.1
TB2-004	2	11/26/1997	Primary	Fill	Unsaturated	EPA 8310	<0.1	<0.2	<0.1	<0.1	**0.202**	**0.113**	**0.205**	<0.1	<0.1	**0.336**	<0.1	<0.1	**0.229**	<0.2	**0.13**	**0.248**
TB2-004	6	11/26/1997	Primary	Bedrock	Unsaturated	EPA 8310	<0.1	<0.2	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.05	<0.1	<0.1	<0.06	<0.2	<0.1	<0.1
TB2-004	10	11/26/1997	Duplicate	Bedrock	Unsaturated	EPA 8310	<0.1	<0.2	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.05	<0.1	<0.1	<0.06	<0.2	<0.1	<0.1
TB2-004	10	11/26/1997	Primary	Bedrock	Unsaturated	EPA 8310	<0.2	<0.4	<0.2	<0.2	<0.1	<0.2	<0.2	<0.2	<0.2	<0.1	<0.2	<0.2	<0.12	<0.4	<0.2	<0.2
TB2-005	1	11/21/1997	Primary	Fill/Green	Unsaturated	EPA 8310	<1	<2	<1	<1	<0.5	<1	<1	<1	<1	<0.5	<1	<1	<0.6	<2	<1	<1
TB2-005	6	11/25/1997	Duplicate	Bedrock	Unsaturated	EPA 8310	<0.1	<0.2	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.05	<0.1	<0.1	<0.06	<0.2	<0.1	<0.1
TB2-005	6	11/25/1997	Primary	Bedrock	Unsaturated	EPA 8310	<0.2	<0.4	<0.2	<0.2	<0.1	<0.2	<0.2	<0.2	<0.2	<0.1	<0.2	<0.2	<0.12	<0.4	<0.2	<0.2
TB2-005	10	11/25/1997	Primary	Bedrock	Unsaturated	EPA 8310	<0.4	<0.8	<0.4	<0.4	<0.2	<0.4	<0.4	<0.4	<0.4	**0.918**	<0.4	<0.4	**0.732**	<0.8	<0.4	<0.4
TB2-006	1	11/21/1997	Primary	Fill/Brown	Unsaturated	EPA 8310	<0.1	<0.2	<0.1	<0.1	**0.107**	<0.1	<0.1	<0.1	<0.1	<0.05	**0.153**	<0.1	**0.185**	<0.2	**0.154**	<0.1
TB2-006	6	11/21/1997	Primary	Fill	Unsaturated	EPA 8310	<0.1	<0.2	<0.1	<0.1	**0.0784**	<0.1	<0.1	<0.1	<0.1	<0.05	**0.217**	<0.1	<0.06	<0.2	<0.1	**0.146**
TB2-006	10	11/21/1997	Primary	Bedrock	Unsaturated	EPA 8310	<0.1	<0.2	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.05	<0.1	<0.1	<0.06	<0.2	**0.127**	<0.1
TB4-002	1	12/8/1997	Primary	Fill/Brown	Unsaturated	EPA 8310	<10	<200	<10	<10	<5	<10	<10	<10	<10	<5	<10	<10	<6	<10	<10	<10
TB4-002	1	12/8/1997	Duplicate	Fill/Brown	Unsaturated	EPA 8310	<2	<40	<2	<2	<1	<2	<2	<2	<2	<1	<2	<2	<1.2	<2	<2	<2
TB4-002	6	12/8/1997	Primary	Bedrock	Unsaturated	EPA 8310	<0.1	<2	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.05	<0.1	<0.1	<0.06	<0.1	<0.1	<0.1
TB4-003	1	11/26/1997	Primary	Fill/Brown	Unsaturated	EPA 8310	<5	<10	<5	<5	**6.31**	<5	**5.09**	<5	<5	<2.5	**10.9**	<5	**4.06**	<10	<5	**13.8**
TB4-003	7	11/26/1997	Primary	Fill/Green	Saturated	EPA 8310	<0.3	<0.6	<0.3	<0.3	<0.15	<0.3	<0.3	<0.3	<0.3	<0.15	<0.3	<0.3	<0.18	<0.6	<0.3	<0.3
TB4-003	12	12/1/1997	Primary	Bedrock	Saturated	EPA 8310	<0.5	<1	<0.5	<0.5	**0.432**	<0.5	<0.5	<0.5	<0.5	<0.25	<0.5	<0.5	<0.3	<1	<0.5	<0.5
TB4-004	1	12/8/1997	Primary	Fill/Brown	Unsaturated	EPA 8310	<10	<200	<10	<10	**7.9**	**6.9**	**7.3**	<10	**5.6**	**4.4**	**14**	<10	**7.4**	<10	**8.3**	**15**
TB4-004	7	12/8/1997	Primary	Interface	Unsaturated	EPA 8310	<10	<200	<10	<10	**2.5**	<10	<10	<10	<10	<5	<10	<10	<6	<10	<10	<10
TB4-004	11	12/8/1997	Primary	Bedrock	Unsaturated	EPA 8310	<0.1	<2	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.05	<0.1	<0.1	<0.06	<0.1	<0.1	<0.1
TB4-005	1	12/3/1997	Primary	Fill/Brown	Unsaturated	EPA 8310	**7.9**	<80	<4	**5.3**	**9.9**	**7.2**	**9.8**	**2.9**	**6.7**	**8**	**17**	<4	**8.9**	**8.3**	**6.9**	**21**
TB4-005	1	12/3/1997	Primary	Fill/Brown	Unsaturated	EPA 8270	<2	<4	<2	**9.68**	**11.3**	**11.9**	**5.55**	**4.78**	**10.9**	<1	**20.2**	<2	**4.74**	<4	**20.4**	**25.4**
TB4-005	1	12/3/1997	Duplicate	Fill/Brown	Unsaturated	EPA 8270	<1	<2	**2.29**	**8.12**	**9.99**	**10.1**	**8.99**	**3.93**	**9.07**	**1.68**	**17.2**	<1	**7.51**	<2	**13.8**	**20.2**
TB4-005	1	12/3/1997	Duplicate	Fill/Brown	Unsaturated	EPA 8310	**13**	<100	<5	**6.4**	**9**	**7.5**	**11**	**3.7**	**10**	**12**	**16**	<5	**10**	**15**	**13**	**18**
TB4-005	6	12/3/1997	Primary	Bedrock	Unsaturated	EPA 8270	<0.1	<0.2	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.05	**0.294**	<0.1	<0.06	<0.2	<0.1	**0.301**
TB4-005	6	12/3/1997	Primary	Bedrock	Unsaturated	EPA 8310	**0.61**	<4	**0.1**	**0.1**	**0.15**	**0.15**	**0.19**	<0.2	**0.14**	**0.095**	**0.64**	**0.15**	**0.15**	<0.2	**0.42**	**0.85**
TB4-005	10	12/3/1997	Primary	Bedrock	Unsaturated	EPA 8270	**1.07**	<0.2	<0.1	<0.1	**0.187**	**0.19**	**0.196**	<0.1	<0.1	<0.05	**0.597**	<0.1	<0.06	<0.2	**0.899**	**0.63**
TB4-005	10	12/3/1997	Primary	Bedrock	Unsaturated	EPA 8310	<0.1	<2	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.05	<0.1	<0.1	<0.06	<0.1	<0.1	<0.1
TB4-005	15	12/3/1997	Primary	Bedrock	Saturated	EPA 8310	<0.1	<2	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.05	<0.1	<0.1	<0.06	<0.1	<0.1	<0.1
TB4-006	1	12/3/1997	Primary	Fill/Brown	Unsaturated	EPA 8270	<0.5	<1	<0.5	**0.772**	**1.6**	**1.85**	**1.81**	**0.94**	**1.15**	<0.25	**1.08**	<0.5	**1.34**	<1	<0.5	**2.56**
TB4-006	1	12/3/1997	Primary	Fill/Brown	Unsaturated	EPA 8310	<20	<400	<20	**18**	**43**	**37**	**65**	**17**	**28**	**57**	**41**	<20	**59**	**35**	**26**	**45**
TB4-006	6	12/3/1997	Primary	Bedrock	Unsaturated	EPA 8270	<0.1	<0.2	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.05	<0.1	<0.1	<0.06	<0.2	<0.1	<0.1
TB4-006	6	12/3/1997	Primary	Bedrock	Unsaturated	EPA 8310	<0.1	<2	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.05	<0.1	<0.1	<0.06	<0.1	<0.1	<0.1
TB4-006	10	12/3/1997	Primary	Bedrock	Unsaturated	EPA 8270	<0.1	<0.2	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.05	<0.1	<0.1	<0.06	<0.2	<0.1	<0.1
TB4-006	10	12/3/1997	Primary	Bedrock	Unsaturated	EPA 8310	<0.1	<2	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.05	<0.1	<0.1	<0.06	<0.1	<0.1	<0.1
TB4-006	15	12/3/1997	Primary	Bedrock	Saturated	EPA 8310	<0.1	<2	<0.1	<0.1	**0.062**	**0.052**	<0.1	<0.1	<0.1	**0.034**	**0.11**	<0.1	**0.055**	<0.1	<0.1	**0.15**

TABLE C-2

SUMMARY OF ANALYTICAL RESULTS FOR POLYCYCLIC AROMATIC HYDROCARBONS (PAHs) IN SOIL SAMPLES[1]

Potrero Power Plant

San Francisco, California

All concentrations are presented in milligrams per kilogram (mg/kg)

Sample Point	Depth (feet bgs)	Sample Date	Sample Type	Soil Type	Saturated/ Unsaturated	Analytical Method	Acenaph-thene	Acenaph-thylene	Anthracene	Benz(a) anthracene	Benzo(a) pyrene	Benzo(b) fluoranthene	Benzo(ghi) perylene	Benzo(k) fluoranthene	Chrysene	Dibenz(ah) anthracene	Fluor-anthene	Fluorene	Indeno (1,2,3-cd) pyrene	Naphthalene	Phen-anthrene	Pyrene
TB4-007	2	12/8/1997	Primary	Fill/Brown	Unsaturated	EPA 8310	1700	2000	24	71	49	32	69	17	41	37	120	<30	64	59	120	170
TB4-007	6	12/8/1997	Primary	Fill/Brown	Unsaturated	EPA 8310	<60	<1200	<60	31	52	50	52	<60	42	34	160	<60	51	130	170	170
TB4-007	20	12/8/1997	Primary	Bedrock	Saturated	EPA 8310	<0.5	<10	<0.5	<0.5	<0.25	<0.5	<0.5	<0.5	<0.5	<0.25	<0.5	<0.5	<0.3	1	<0.5	0.96
TB4-008	1	12/4/1997	Primary	Fill/Brown	Unsaturated	EPA 8270	<10	<20	<10	25.5	40.9	48.8	<10	20.6	37.3	<5	86.2	<10	35	<20	118	179
TB4-008	1	12/4/1997	Duplicate	Fill/Brown	Unsaturated	EPA 8270	<2	<4	<2	12.1	19.3	22.4	24.2	9.46	16.4	3.9	15.2	<2	19.9	<4	15.3	52.9
TB4-008	1	12/4/1997	Duplicate	Fill/Brown	Unsaturated	EPA 8310	30	<400	<20	14	23	23	23	<20	20	17	51	<20	26	30	20	49
TB4-008	1	12/4/1997	Primary	Fill/Brown	Unsaturated	EPA 8310	31	<400	<20	14	26	23	27	10	21	17	39	<20	28	30	17	44
TB4-008	4	12/4/1997	Primary	Fill/Green	Unsaturated	EPA 8270	<10	<20	<10	39.3	27.7	42.4	27.7	28.4	49.9	<5	87.9	<10	24.6	23	143	136
TB4-008	4	12/4/1997	Primary	Fill/Green	Unsaturated	EPA 8310	100	<1200	<60	37	17	40	<60	<60	59	26	250	<60	33	460	170	140
TB4-008	6	12/4/1997	Primary	Fill	Unsaturated	EPA 8270	<0.1	<0.2	<0.1	<0.1	<0.05	<0.1	0.338	<0.1	<0.1	<0.05	<0.1	<0.1	<0.06	<0.2	0.169	0.168
TB4-008	6	12/4/1997	Primary	Fill	Unsaturated	EPA 8310	<0.1	<2	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.05	0.093	<0.1	<0.06	0.091	<0.1	<0.1
TB4-008	10	12/4/1997	Primary	Fill	Unsaturated	EPA 8270	<0.1	<0.2	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.05	<0.1	<0.1	<0.06	<0.2	<0.1	<0.1
TB4-008	10	12/4/1997	Primary	Fill	Unsaturated	EPA 8310	<0.1	<2	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.05	<0.1	<0.1	<0.06	<0.1	<0.1	<0.1
TB4-008	15	12/4/1997	Primary	Fill	Saturated	EPA 8270	<0.2	<0.4	<0.2	<0.2	<0.1	<0.2	<0.2	<0.2	<0.2	<0.1	<0.2	1.15	<0.12	<0.4	<0.2	<0.2
TB4-008	15	12/4/1997	Primary	Fill	Saturated	EPA 8310	3.1	<40	<2	<2	<1	<2	<2	<2	1.1	<1	<2	<2	<1.2	1.2	<2	<2
TB4-008	20	12/4/1997	Primary	Fill/Green	Saturated	EPA 8270	<3	<6	<3	11.1	13.5	10.9	9.42	6.36	9.35	<1.5	12.8	<3	6.47	<6	7.67	30.9
TB4-008	20	12/4/1997	Primary	Fill/Green	Saturated	EPA 8310	12	<200	<10	7.7	15	11	7.5	<10	9.6	10	14	<10	10	<10	<10	15
TB4-008	30	12/4/1997	Primary	Fill/Brown	Saturated	EPA 8270	<0.5	<1	<0.5	1.14	1.39	1.42	<0.5	<0.5	1.15	<0.25	1.99	<0.5	<0.3	<1	1.8	4.35
TB4-008	30	12/4/1997	Primary	Fill/Brown	Saturated	EPA 8310	1.8	<20	<1	1.3	2.7	2	1.4	0.85	1.6	2	2.5	<1	1.9	1.2	0.7	2.7
TB4-009	1	12/2/1997	Duplicate	Fill/Brown	Unsaturated	EPA 8310	24	<400	<20	10	16	14	13	<20	13	8.1	21	<20	15	14	23	31
TB4-009	1	12/2/1997	Primary	Fill/Brown	Unsaturated	EPA 8310	<10	<200	<10	<10	6.6	5.6	6.7	<10	<10	4.6	7.8	<10	6.7	<10	5.4	9.7
TB4-009	6	12/2/1997	Primary	Fill/Brown	Unsaturated	EPA 8310	<5	<100	<5	<5	2.3	<5	<5	<5	2.7	<2.5	3.8	<5	2	<5	3.5	4.1
TB4-009	11	12/2/1997	Primary	Bedrock	Unsaturated	EPA 8310	<0.1	<2	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.05	<0.1	<0.1	<0.06	<0.1	<0.1	<0.1
TB4-009	16	12/2/1997	Primary	Bedrock	Unsaturated	EPA 8310	<1	<20	<1	<1	<0.5	<1	<1	<1	0.74	<0.5	1.2	<1	<0.6	<1	0.81	2
TB4-009	21	12/2/1997	Primary	Bedrock	Unsaturated	EPA 8310	<0.1	<2	<0.1	0.067	<0.05	<0.1	<0.1	<0.1	<0.1	<0.05	0.068	<0.1	<0.06	<0.1	<0.1	0.21
TB4-010	1	12/2/1997	Primary	Fill/Green	Unsaturated	EPA 8270	<0.2	<0.4	<0.2	<0.2	<0.1	<0.2	<0.2	<0.2	<0.2	<0.1	<0.2	<0.2	<0.12	<0.4	<0.2	<0.2
TB4-010	1	12/2/1997	Primary	Fill/Green	Unsaturated	EPA 8310	<0.4	<8	<0.4	<0.4	0.18	0.22	0.25	<0.4	0.45	0.29	0.32	<0.4	<0.24	<0.4	0.2	0.26
TB4-010	6	12/2/1997	Primary	Fill/Green	Unsaturated	EPA 8270	<0.1	<0.2	<0.1	<0.1	0.214	0.226	0.28	<0.1	<0.1	<0.05	0.255	<0.1	0.173	<0.2	0.181	0.338
TB4-010	6	12/2/1997	Primary	Fill/Green	Unsaturated	EPA 8310	<1	<20	<1	<1	0.36	<1	<1	<1	<1	<0.5	<1	<1	0.37	<1	<1	0.53
TB4-010	10	12/3/1997	Primary	Fill/Green	Unsaturated	EPA 8270	<0.2	<0.4	<0.2	<0.2	<0.1	<0.2	<0.2	<0.2	<0.2	<0.1	<0.2	<0.2	<0.12	<0.4	<0.2	0.426
TB4-010	10	12/3/1997	Primary	Fill/Green	Unsaturated	EPA 8310	<1	<20	<1	<1	<0.5	<1	<1	<1	<1	<0.5	<1	<1	<0.6	<1	<1	<1
TB4-011	1	12/3/1997	Primary	Fill/Brown	Unsaturated	EPA 8270	<1	<2	1.81	6.55	9.16	8.34	8.27	3.52	7.84	<0.5	17.6	<1	6.01	<2	16.4	17.2
TB4-011	1	12/3/1997	Duplicate	Fill/Brown	Unsaturated	EPA 8270	<1	<2	2.95	8.57	11	11	7.63	4.15	9.33	<0.5	24	2.67	6.87	4.37	28.5	22.8
TB4-011	1	12/3/1997	Duplicate	Fill/Brown	Unsaturated	EPA 8310	15	<100	<5	4.9	6.7	5.8	4.3	<5	6	2.8	13	<5	5.9	8.8	15	17
TB4-011	1	12/3/1997	Primary	Fill/Brown	Unsaturated	EPA 8310	16	<200	<10	6.8	10	7.9	6.8	<10	9.1	4.3	24	<10	7.6	14	23	25
TB4-011	6	12/3/1997	Primary	Fill/Green	Unsaturated	EPA 8270	<1	<2	<1	2.94	5.07	4.6	2.84	2.11	3	<0.5	3.52	<1	2.96	<2	2.86	4.94
TB4-011	6	12/3/1997	Primary	Fill/Green	Unsaturated	EPA 8310	6.7	<100	<5	<5	4.7	3.5	2.6	<5	2.9	1.7	3.6	<5	3.4	<5	<5	2.9
TB4-011	11	12/3/1997	Primary	Fill/Green	Unsaturated	EPA 8270	<2	<4	<2	11	17.8	15.5	10.9	7.09	10.9	<1	14.9	<2	9.02	<4	7.73	15.8
TB4-011	11	12/3/1997	Primary	Fill/Green	Unsaturated	EPA 8310	32	<100	2.6	7.9	16	12	9.4	4.7	9.4	7.1	13	2.7	9.8	4.4	7.3	13
TB4-011	21	12/3/1997	Primary	Fill	Saturated	EPA 8310	<6	<120	<6	<6	<3	<6	<6	<6	12	2.8	3.4	<6	<3.6	<6	<6	4.4
TB4-011	26	12/3/1997	Primary	Bedrock	Saturated	EPA 8310	<1	<20	<1	<1	<0.5	<1	<1	<1	<1	<0.5	<1	<1	<0.6	<1	<1	<1
TB4-012	3	12/1/1997	Primary	Fill/Green	Unsaturated	EPA 8310	<0.2	<0.4	<0.2	<0.2	0.283	<0.2	0.237	<0.2	<0.2	0.107	0.264	<0.2	0.156	<0.4	<0.2	0.33
TB4-012	6	12/1/1997	Primary	Fill/Green	Unsaturated	EPA 8310	<2.5	<5	<2.5	<2.5	5.12	<2.5	<2.5	<2.5	<2.5	<1.2	<2.5	<2.5	2.03	<5	<2.5	<2.5
TB4-012	10	12/1/1997	Primary	Fill/Green	Unsaturated	EPA 8310	<0.1	<0.2	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.05	<0.1	<0.1	<0.06	<0.2	<0.1	<0.1
TB4-013	1	12/1/1997	Duplicate	Fill/Brown	Unsaturated	EPA 8310	<0.5	<1	<0.5	<0.5	1.17	0.701	1.31	<0.5	0.549	<0.25	0.778	<0.5	1.06	<1	0.538	1.17
TB4-013	1	12/1/1997	Primary	Fill/Brown	Unsaturated	EPA 8310	<10	<20	<10	<10	9.45	<10	<10	<10	<10	<5	20.3	<10	<6	<20	10.7	30.5
TB4-013	6	12/1/1997	Primary	Fill/Brown	Saturated	EPA 8310	<2	<40	<2	<2	<1	<2	<2	<2	<2	<1	<2	<2	<1.2	5.5	<2	<2
TB4-013	11	12/1/1997	Primary	Bedrock	Saturated	EPA 8310	<1	<20	<1	0.53	1.2	1	1.3	<1	0.82	1.3	1.3	<1	1.5	3.8	1	1.6
TB4-014	1	12/3/1997	Primary	Fill/Brown	Unsaturated	EPA 8270	<1	<2	<1	10.8	12	18.2	14.2	7.7	13.9	2.82	13.9	<1	10.8	<2	7.75	19.5
TB4-014	1	12/3/1997	Primary	Fill/Brown	Unsaturated	EPA 8310	23	<100	<5	6	9	9.1	7	3.7	11	9.4	11	<5	8.5	9.6	6.3	12
TB4-014	6	12/3/1997	Primary	Fill/Brown	Unsaturated	EPA 8270	<1	<2	4.65	17.1	23.7	23.2	12.6	9.14	15.4	<0.5	22.7	<1	11	<2	15.1	27.5
TB4-014	6	12/3/1997	Primary	Fill/Brown	Unsaturated	EPA 8310	19	<100	<5	8.4	13	9.8	11	4.1	13	6	19	<5	9.1	5.3	8.1	18
TB4-014	11	12/3/1997	Primary	Fill/Brown	Unsaturated	EPA 8270	<6	<12	<6	<6	<3	<6	<6	<6	<6	<3	<6	<6	<3.6	<12	<6	<6
TB4-014	11	12/3/1997	Primary	Fill/Brown	Unsaturated	EPA 8310	37	<600	<30	<30	9.4	<30	54	<30	15	<15	<30	<30	<18	<30	<30	<30
TB4-014	21	12/3/1997	Primary	Bedrock	Saturated	EPA 8310	<6	<120	<6	<6	3.7	<6	<6	<6	3.9	<3	3.6	<6	2.6	<6	<6	6.1
TB4-015	1	12/1/1997	Primary	Fill	Unsaturated	EPA 8310	88	<600	<30	46	41	39	<30	30	66	21	170	<30	29	150	60	120

TABLE C-2

SUMMARY OF ANALYTICAL RESULTS FOR POLYCYCLIC AROMATIC HYDROCARBONS (PAHs) IN SOIL SAMPLES[1]
Potrero Power Plant
San Francisco, California

All concentrations are presented in milligrams per kilogram (mg/kg)

Sample Point	Depth (feet bgs)	Sample Date	Sample Type	Soil Type	Saturated/ Unsaturated	Analytical Method	Acenaph-thene	Acenaph-thylene	Anthracene	Benz(a) anthracene	Benzo(a) pyrene	Benzo(b) fluoranthene	Benzo(ghi) perylene	Benzo(k) fluoranthene	Chrysene	Dibenz(ah) anthracene	Fluor-anthene	Fluorene	Indeno (1,2,3-cd) pyrene	Naphthalene	Phen-anthrene	Pyrene
TB4-015	6	12/1/1997	Primary	Fill	Unsaturated	EPA 8310	<1	<20	<1	<1	**1.2**	**0.87**	**0.74**	<1	<1	**1**	<1	<1	**1.2**	<1	<1	<1
TB4-015	11	12/2/1997	Primary	Fill	Unsaturated	EPA 8310	<1	<20	<1	<1	<0.5	<1	<1	<1	<1	**0.96**	<1	<1	<0.6	<1	<1	<1
TB4-015	20	12/2/1997	Primary	Fill/Brown	Saturated	EPA 8310	<60	<1200	<60	<60	<30	<60	<60	<60	<60	<30	<60	<60	<36	<60	<60	<60
TB4-015	30	12/2/1997	Primary	Bedrock	Saturated	EPA 8310	<0.1	<2	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.05	<0.1	<0.1	<0.06	<0.1	<0.1	<0.1
TB5-001	1	12/2/1997	Primary	Fill/Brown	Unsaturated	EPA 8310	<10	<200	<10	<10	<5	<10	<10	<10	<10	<5	**6.7**	<10	**3**	<10	**7.9**	**5.3**
TB5-001	6	12/2/1997	Primary	Fill/Green	Unsaturated	EPA 8310	<0.1	<2	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.05	<0.1	<0.1	<0.06	<0.1	<0.1	<0.1
TB5-001	10	12/2/1997	Primary	Bedrock	Unsaturated	EPA 8310	<0.1	<2	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.05	<0.1	<0.1	<0.06	<0.1	<0.1	<0.1
TB5-001	15	12/2/1997	Primary	Bedrock	Unsaturated	EPA 8310	<0.2	<4	<0.2	<0.2	<0.1	<0.2	<0.2	<0.2	<0.2	<0.1	<0.2	<0.2	<0.12	<0.2	<0.2	<0.2
TB5-002	1	11/26/1997	Primary	Fill	Unsaturated	EPA 8310	<5	<10	<5	**5.73**	**8.01**	<5	<5	<5	**8.26**	<2.5	**5.61**	<5	**3.91**	<10	<5	**11.8**
TB5-002	6	11/26/1997	Primary	Fill	Unsaturated	EPA 8310	<1	<2	<1	<1	**1.44**	<1	**1.15**	<1	<1	**0.683**	**1.22**	<1	**1.04**	<2	<1	**1.63**
TB5-002	10	11/26/1997	Primary	Fill	Unsaturated	EPA 8310	<1	<2	<1	<1	<0.5	<1	<1	<1	<1	**1.66**	<1	<1	**1.06**	<2	<1	<1
TB5-003	1	11/26/1997	Primary	Fill/Brown	Unsaturated	EPA 8310	<20	<40	<20	<20	<10	<20	<20	<20	<20	<10	<20	<20	<12	<40	**21.1**	**36**
TB5-003	6	11/26/1997	Primary	Bedrock	Unsaturated	EPA 8310	<0.2	<0.4	<0.2	<0.2	<0.1	<0.2	<0.2	<0.2	<0.2	<0.1	<0.2	<0.2	<0.12	<0.4	<0.2	<0.2
TB5-003	10	11/26/1997	Primary	Bedrock	Saturated	EPA 8310	<0.1	<0.2	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.05	<0.1	<0.1	<0.06	<0.2	<0.1	<0.1
TS1-017	1	12/9/1997	Primary	Fill	Unsaturated	EPA 8310	<0.5	<10	<0.5	<0.5	<0.25	<0.5	<0.5	<0.5	<0.5	<0.25	<0.5	<0.5	<0.3	<0.5	<0.5	<0.5
TS1-018	1	12/9/1997	Primary	Fill	Unsaturated	EPA 8310	<1.3	<26	<1.3	<1.3	<0.65	<1.3	<1.3	<1.3	<1.3	<0.65	<1.3	<1.3	<0.78	<1.3	<1.3	<1.3
TS1-019	1	12/9/1997	Primary	Fill	Unsaturated	EPA 8310	<0.5	<10	<0.5	<0.5	<0.25	<0.5	<0.5	<0.5	<0.5	<0.25	<0.5	<0.5	<0.3	<0.5	**0.42**	**0.31**
TS4-016	1	12/10/1997	Primary	Fill	Unsaturated	EPA 8310	<20	<400	<20	<20	**5.3**	<20	<20	<20	<20	<10	**15**	<20	<12	<20	**14**	**15**
TB4-017	36	3/3/1998	Primary	Fill/Brown	Saturated	EPA 8310	<0.1	<2	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.05	<0.1	<0.1	<0.06	<0.1	<0.1	<0.1
TB4-017	41	3/3/1998	Primary	Fill/Brown	Saturated	EPA 8310	<0.1	<2	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.05	<0.1	<0.1	<0.06	<0.1	<0.1	<0.1
TB4-017	41	3/3/1998	Duplicate	Fill/Brown	Saturated	EPA 8310	<0.1	<2	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.05	<0.1	<0.1	<0.06	<0.1	<0.1	<0.1
TB4-017	46	3/3/1998	Primary	Fill/Brown	Saturated	EPA 8310	<0.1	<2	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.05	<0.1	<0.1	<0.06	<0.1	<0.1	<0.1
Geotechnical Consultants, Inc., 2004, Geotechnical Report, Potrero Power Plant, June--Analytical results reported in wet weight																						
CHSB-1	0.5	2/24/2004	Primary	Fill	Unsaturated	EPA 8310	<0.17	<0.33	**0.17**	**0.14**	**0.025**	**0.085**	<0.33	**0.026**	**0.046**	<0.33	**0.47**	<0.033	<0.17	<0.17	**0.046**	**0.23**
CHSB-1	3.5	2/24/2004	Primary	Bedrock	Unsaturated	EPA 8310	**0.48**	<0.33	<0.17	**0.25**	**0.14**	**0.25**	<0.33	**0.091**	**0.23**	**0.39**	**0.58**	**0.33**	**0.19**	<0.17	<0.017	**1.2**
CHSB-2	0.5	2/24/2004	Primary	Fill	Unsaturated	EPA 8310	<0.17	<0.33	<0.017	**0.051**	**0.11**	**0.14**	**0.21**	**0.053**	**0.071**	**0.25**	**0.16**	<0.033	**0.18**	<0.17	**0.077**	**0.21**
CHSB-2	3.5	2/24/2004	Primary	Fill	Unsaturated	EPA 8310	<0.17	<0.33	<0.017	**0.042**	**0.17**	**0.21**	**0.45**	**0.084**	**0.047**	<0.33	**0.054**	<0.033	**0.38**	<0.17	**0.055**	**0.064**
CHSB-3	0.5	2/25/2004	Primary	Fill	Unsaturated	EPA 8310	<0.17	<0.33	**0.039**	**0.13**	**0.12**	**0.16**	<0.33	**0.062**	**0.15**	<0.33	**0.33**	**0.047**	**0.21**	<0.17	**0.16**	**0.34**
CHSB-3	3.5	2/25/2004	Primary	Fill	Unsaturated	EPA 8310	<0.17	**1.8**	**3.9**	**8**	**7.5**	**6.8**	**8.9**	**4.3**	**8.2**	**9.8**	**16**	<3.3	**5.8**	**1.2**	**15**	**20**
CHSB-4	0.5	2/25/2004	Primary	Fill	Unsaturated	EPA 8310	<0.17	<0.33	<0.017	**0.061**	<0.017	**0.042**	<0.33	<0.017	**0.041**	<0.33	**0.17**	<0.033	<0.17	<0.17	**0.019**	**0.07**
CHSB-4	3.5	2/25/2004	Primary	Fill	Unsaturated	EPA 8310	<0.17	<0.33	<0.017	**0.032**	**0.033**	**0.032**	<0.33	**0.018**	**0.039**	<0.33	**0.057**	<0.033	<0.17	<0.17	**0.023**	**0.064**
CHSB-5	0.5	2/24/2004	Primary	Fill	Unsaturated	EPA 8310	<0.17	<0.33	**0.09**	**0.28**	**0.49**	**0.55**	**0.73**	**0.2**	**0.34**	**0.67**	**1.1**	**0.033**	**1**	<0.17	**0.69**	**1.4**
CHSB-5	3.5	2/24/2004	Primary	Fill	Unsaturated	EPA 8310	<0.17	<0.33	<0.017	**0.033**	**0.048**	**0.054**	**0.068**	**0.018**	**0.048**	**0.092**	**0.06**	<0.033	**0.053**	<0.17	**0.024**	**0.082**
CHSB-6	0.5	2/25/2004	Primary	Fill	Unsaturated	EPA 8310	<0.17	<0.33	**0.083**	**0.33**	**0.55**	**0.73**	**0.87**	**0.24**	**0.43**	**0.95**	**1.4**	**0.082**	**1.3**	<0.17	**0.82**	**1.5**
CHSB-6	3.5	2/25/2004	Primary	Bedrock	Unsaturated	EPA 8310	**0.81**	<0.33	**0.15**	**0.91**	**1.5**	**1.9**	**2.2**	**0.76**	**1.1**	**2.5**	**2.3**	**0.066**	**3**	**0.21**	**1**	**3.3**
CHSB-7	0.5	2/25/2004	Primary	Fill	Unsaturated	EPA 8310	<0.17	<0.33	**0.29**	**0.83**	**1.5**	**1.8**	**1.6**	**0.6**	**1.1**	**2.5**	**3.1**	**0.052**	**2.9**	<0.17	**1.1**	**4.3**
CHSB-7	3.5	2/25/2004	Primary	Fill	Unsaturated	EPA 8310	<0.17	<0.33	<0.017	<0.017	<0.017	<0.017	<0.033	<0.017	<0.017	<0.033	<0.017	<0.033	<0.017	<0.17	<0.017	<0.017
CHSB-8	0.5	2/24/2004	Primary	Fill	Unsaturated	EPA 8310	<0.17	<0.33	**0.024**	**0.081**	**0.08**	**0.1**	**0.12**	**0.051**	**0.091**	**0.077**	**0.28**	<0.033	**0.11**	<0.17	**0.17**	**0.25**
CHSB-8	3.5	2/24/2004	Primary	Bedrock	Unsaturated	EPA 8310	<0.17	<0.33	<0.017	<0.017	<0.017	<0.017	<0.033	<0.017	<0.017	<0.033	<0.017	<0.033	<0.017	<0.17	<0.017	<0.017

Notes:
1. Soil samples analyzed for polycyclic aromatic hydrocarbons (PAHs) using EPA Methods 8270 or 8310.
2. The results highlighted in green were sampled from the Station A PG&E Area.

Abbreviations
"**Bold**" = detected above the laboratory reporting limit
EPA = U.S. Environmental Protection Agency
feet bgs = feet below ground surface
< = not detected above the laboratory reporting limit
-- = not analyzed

TABLE C-3

SUMMARY OF ANALYTICAL RESULTS FOR POLYCHLORINATED BIPHENYLS (PCBs) SOIL SAMPLES[1]

Potrero Power Plant
San Francisco, California

All concentrations are presented in milligrams per kilogram (mg/kg)

Sample Point	Depth (feet bgs)	Sample Date	Sample Type	Soil Type	Saturated/ Unsaturated	PCB 1016	PCB 1221	PCB 1232	PCB 1242	PCB 1248	PCB 1254	PCB 1260	PCBs, total
Ecology & the Environment, 1991, Preliminary Endangerment Assessment, Potrero Power Plant, October 16--Analytical results reported in dry weight													
B-POT-1	2.5	2/28/1991	Primary	Fill	Unsaturated	<0.021	<0.021	<0.021	<0.021	<0.021	<0.021	<0.021	<0.021
B-POT-2	4.5	2/27/1991	Primary	Bedrock	Unsaturated	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9
B-POT-3	3.5	2/22/1991	Primary	Fill/Brown	Unsaturated	<0.023	<0.023	<0.023	<0.023	<0.023	<0.023	<0.023	<0.023
POT-9	3.5	3/4/1991	Primary	Fill/Brown	Unsaturated	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
POT-14	3.5	3/5/1991	Primary	Fill/Brown	Unsaturated	<0.023	<0.023	<0.023	<0.023	<0.023	<0.023	<0.023	<0.023
POT-15	3.5	3/1/1991	Primary	Fill	Unsaturated	<0.023	<0.023	<0.023	<0.023	<0.023	<0.023	<0.023	<0.023
SS-APT-1	0.5	2/25/1991	Primary	Fill	Unsaturated	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	**2.8**	**2.8**
SS-POT-1	0.5	3/1/1991	Primary	Fill	Unsaturated	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067
SS-POT-3	0.5	3/5/1991	Primary	Fill	Unsaturated	<0.024	<0.024	<0.024	<0.024	<0.024	**0.092**	<0.024	**0.092**
SS-POT-6	0.5	3/5/1991	Primary	Fill	Unsaturated	<0.043	<0.043	<0.043	<0.043	<0.043	**0.3**	<0.043	**0.3**
Fluor Daniel GTI, 1998, Phase II Environmental Site Assessment, Potrero Power Plant, June--Analytical results reported in wet weight													
TB1-001	1	12/8/1997	Primary	Fill/Brown	Unsaturated	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TB1-001	6	12/8/1997	Primary	Fill/Green	Unsaturated	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
TB1-002	1	12/4/1997	Primary	Fill/Green	Unsaturated	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
TB1-002	1	12/4/1997	Duplicate	Fill/Green	Unsaturated	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
TB1-002	6	12/9/1997	Primary	Fill/Green	Unsaturated	<0.1	<0.16	<0.1	<0.1	<0.1	<0.1	<0.1	<0.16
TB1-002	6	12/9/1997	Duplicate	Fill/Green	Unsaturated	<0.2	<0.32	<0.2	<0.2	<0.2	<0.2	<0.2	<0.32
TB1-003	1	11/25/1997	Primary	Fill	Unsaturated	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
TB1-003	9	12/10/1997	Primary	Fill/Green	Unsaturated	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
TB1-008	1	12/4/1997	Primary	Fill/Brown	Unsaturated	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	**0.111**	**0.111**
TB1-008	6	12/4/1997	Primary	Fill/Brown	Unsaturated	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
TB1-009	1	10/15/1997	Primary	Fill	Unsaturated	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
TB1-009	8	10/15/1997	Primary	Fill	Unsaturated	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
TB1-010	1	12/9/1997	Primary	Fill/Brown	Unsaturated	<0.3	<0.48	<0.3	<0.3	<0.3	<0.3	<0.3	<0.48
TB1-010	6	12/9/1997	Primary	Fill	Unsaturated	<0.1	<0.16	<0.1	<0.1	<0.1	<0.1	<0.1	<0.16
TB1-011	1	12/9/1997	Primary	Fill/Brown	Unsaturated	<0.3	<0.48	<0.3	<0.3	<0.3	<0.3	<0.3	<0.48
TB1-011	1	12/9/1997	Duplicate	Fill/Brown	Unsaturated	<1	<1.6	<1	<1	<1	<1	<1	<1.6
TB1-011	9	12/9/1997	Primary	Bedrock	Unsaturated	<0.1	<0.16	<0.1	<0.1	<0.1	<0.1	<0.1	<0.16
TB1-012	1	11/25/1997	Primary	Fill/Green	Unsaturated	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
TB1-012	1	12/8/1997	Primary	Fill/Green	Unsaturated	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
TB1-012	1	12/8/1997	Duplicate	Fill/Green	Unsaturated	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
TB1-012	6	12/8/1997	Primary	Fill/Green	Unsaturated	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
TB1-012	10	12/8/1997	Primary	Fill/Green	Unsaturated	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TB2-001	1	11/26/1997	Primary	Fill/Green	Unsaturated	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
TB2-001	1	11/26/1997	Duplicate	Fill/Green	Unsaturated	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
TB2-001	7	11/26/1997	Primary	Bedrock	Unsaturated	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
TB2-002	1	11/26/1997	Primary	Fill/Brown	Unsaturated	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05

TABLE C-3

SUMMARY OF ANALYTICAL RESULTS FOR POLYCHLORINATED BIPHENYLS (PCBs) SOIL SAMPLES[1]

Potrero Power Plant
San Francisco, California

All concentrations are presented in milligrams per kilogram (mg/kg)

Sample Point	Depth (feet bgs)	Sample Date	Sample Type	Soil Type	Saturated/ Unsaturated	PCB 1016	PCB 1221	PCB 1232	PCB 1242	PCB 1248	PCB 1254	PCB 1260	PCBs, total
TB2-002	7	11/26/1997	Primary	Fill/Green	Unsaturated	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
TB2-003	1	12/2/1997	Primary	Fill/Green	Unsaturated	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
TB2-003	6	12/2/1997	Primary	Bedrock	Unsaturated	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
TB2-004	2	11/26/1997	Primary	Fill	Unsaturated	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
TB2-004	6	11/26/1997	Primary	Bedrock	Unsaturated	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
TB2-005	1	11/21/1997	Primary	Fill/Green	Unsaturated	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
TB2-005	6	11/25/1997	Primary	Bedrock	Unsaturated	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
TB2-005	6	11/25/1997	Duplicate	Bedrock	Unsaturated	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
TB2-006	1	11/21/1997	Primary	Fill/Brown	Unsaturated	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
TB2-006	6	11/21/1997	Primary	Fill	Unsaturated	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
TB2-006	10	11/21/1997	Primary	Bedrock	Unsaturated	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
TB4-002	1	12/8/1997	Primary	Fill/Brown	Unsaturated	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TB4-002	1	12/8/1997	Duplicate	Fill/Brown	Unsaturated	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TB4-002	6	12/8/1997	Primary	Bedrock	Unsaturated	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
TB4-003	1	11/26/1997	Primary	Fill/Brown	Unsaturated	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
TB4-003	7	11/26/1997	Primary	Fill/Green	Saturated	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
TB4-004	1	12/8/1997	Primary	Fill/Brown	Unsaturated	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
TB4-004	7	12/8/1997	Primary	Interface	Unsaturated	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
TB4-005	1	12/3/1997	Primary	Fill/Brown	Unsaturated	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
TB4-005	1	12/3/1997	Duplicate	Fill/Brown	Unsaturated	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TB4-005	6	12/3/1997	Primary	Bedrock	Unsaturated	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
TB4-006	1	12/3/1997	Primary	Fill/Brown	Unsaturated	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
TB4-006	6	12/3/1997	Primary	Bedrock	Unsaturated	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
TB4-007	2	12/8/1997	Primary	Fill/Brown	Unsaturated	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TB4-007	6	12/8/1997	Primary	Fill/Brown	Unsaturated	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TB4-008	1	12/4/1997	Primary	Fill/Brown	Unsaturated	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
TB4-008	1	12/4/1997	Duplicate	Fill/Brown	Unsaturated	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
TB4-008	4	12/4/1997	Primary	Fill/Green	Unsaturated	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
TB4-008	6	12/4/1997	Primary	Fill	Unsaturated	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
TB4-009	1	12/2/1997	Primary	Fill/Brown	Unsaturated	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
TB4-009	1	12/2/1997	Duplicate	Fill/Brown	Unsaturated	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
TB4-009	6	12/2/1997	Primary	Fill/Brown	Unsaturated	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
TB4-010	1	12/2/1997	Primary	Fill/Green	Unsaturated	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
TB4-010	6	12/2/1997	Primary	Fill/Green	Unsaturated	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
TB4-011	1	12/3/1997	Primary	Fill/Brown	Unsaturated	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
TB4-011	1	12/3/1997	Duplicate	Fill/Brown	Unsaturated	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
TB4-011	6	12/3/1997	Primary	Fill/Green	Unsaturated	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
TB4-012	3	12/1/1997	Primary	Fill/Green	Unsaturated	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
TB4-012	6	12/1/1997	Primary	Fill/Green	Unsaturated	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05

TABLE C-3

SUMMARY OF ANALYTICAL RESULTS FOR POLYCHLORINATED BIPHENYLS (PCBs) SOIL SAMPLES[1]

Potrero Power Plant
San Francisco, California

All concentrations are presented in milligrams per kilogram (mg/kg)

Sample Point	Depth (feet bgs)	Sample Date	Sample Type	Soil Type	Saturated/ Unsaturated	PCB 1016	PCB 1221	PCB 1232	PCB 1242	PCB 1248	PCB 1254	PCB 1260	PCBs, total
TB4-013	1	12/1/1997	Primary	Fill/Brown	Unsaturated	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
TB4-013	1	12/1/1997	Duplicate	Fill/Brown	Unsaturated	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
TB4-013	6	12/1/1997	Primary	Fill/Brown	Saturated	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
TB4-014	1	12/3/1997	Primary	Fill/Brown	Unsaturated	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
TB4-014	6	12/3/1997	Primary	Fill/Brown	Unsaturated	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
TB4-015	1	12/1/1997	Primary	Fill	Unsaturated	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
TB4-015	6	12/1/1997	Primary	Fill	Unsaturated	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
TB5-001	1	12/2/1997	Primary	Fill/Brown	Unsaturated	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
TB5-001	6	12/2/1997	Primary	Fill/Green	Unsaturated	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
TB5-002	1	11/26/1997	Primary	Fill	Unsaturated	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
TB5-002	6	11/26/1997	Primary	Fill	Unsaturated	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
TB5-003	1	11/26/1997	Primary	Fill/Brown	Unsaturated	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
TB5-003	6	11/26/1997	Primary	Bedrock	Unsaturated	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
TS1-017	1	12/9/1997	Primary	Fill	Unsaturated	<0.1	<0.16	<0.1	<0.1	<0.1	<0.1	<0.1	<0.16
TS1-018	1	12/9/1997	Primary	Fill	Unsaturated	<0.3	<0.48	<0.3	<0.3	<0.3	<0.3	<0.3	<0.48
TS1-019	1	12/9/1997	Primary	Fill	Unsaturated	<0.1	<0.16	<0.1	<0.1	<0.1	<0.1	<0.1	<0.16
TS4-016	1	12/10/1997	Primary	Fill	Unsaturated	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	**0.0851**	**0.0851**

Notes:
1. Soil samples analyzed for polycyclic biphenyls (PCBs) using EPA Method 8080 or 8081A.
2. The results higlighted in green were sampled from the Station A PG&E Area.

Abbreviations
"**Bold**" = detected above the laboratory reporting limit NA = not applicable
EPA = U.S. Environmental Protection Agency
feet bgs = feet below ground surface
< = not detected above the laboratory reporting limit
-- = not analyzed

TABLE C-4

SUMMARY OF ANALYTICAL RESULTS FOR VOLATILE ORGANIC COMPOUNDS (VOCs) IN SOIL SAMPLES[1]
Potrero Power Plant
San Francisco, California

All concentrations are presented in milligrams per kilogram (mg/kg)

Sample Point	Depth (ft-bgs)	Sample Date	Sample Type	Soil Type	Saturated/ Unsaturated	Analytical Method	Benzene	Toluene	Ethyl-benzene	Xylene, 1,2-	Xylene, 1,3- and/or 1,4-	Xylenes, total	Chloro-benzene	Dichloro-benzene, 1,2-	Dichloro-benzene, 1,3-	Dichloro-benzene, 1,4-	Bromo-benzene	Bromo-chloro-methane	Bromo-dichloro-methane	Bromo-form	Bromo-methane	Butyl-benzene, 1-	Butyl-benzene, sec-	Butyl-benzene, tert-	Carbon tetra-chloride	Chloro-ethane
Ecology & the Environment, 1990, Site Characterization Report, Potrero Power Plant, October 26. [2,3]																										
T-5 [4]	2.5	1989	Unknown	Bedrock	Unsaturated	Unknown	ND	**0.004**	**0.042**	--	--	**0.007**	--	--	--	--	--	--	--	--	--	--	--	--	--	--
T-10 [4]	2	1989	Unknown	Bedrock	Unsaturated	Unknown	ND	**0.004**	**0.005**	--	--	**0.002**	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B-1	1	11/9/1989	Drive-sample [5]	Fill	Unsaturated	EPA 8020	<0.001	**0.017**	<0.001	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--	--	--	--	--	--	--	--
B-1	4	11/9/1989	Auger [6]	Fill	Unsaturated	EPA 8020	<0.001	**0.010**	<0.001	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--	--	--	--	--	--	--	--
B-1	6	11/9/1989	Auger	Bedrock	Unsaturated	EPA 8020	<0.005	**0.013**	<0.005	--	--	**0.032**	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--	--	--
B-1	6.5	11/9/1989	Auger	Bedrock	Unsaturated	EPA 8020	<0.005	**0.041**	<0.005	--	--	**0.053**	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--	--	--
B-1	9.5	11/9/1989	Drive-sample	Bedrock	Saturated	EPA 8020	<0.01	**0.074**	**0.146**	--	--	**0.729**	<0.01	<0.01	<0.01	<0.01	--	--	--	--	--	--	--	--	--	--
B-1	10.5	11/9/1989	Auger	Bedrock	Saturated	EPA 8020	<0.01	**0.021**	<0.01	--	--	**0.099**	<0.01	<0.01	<0.01	<0.01	--	--	--	--	--	--	--	--	--	--
B-2	2	11/9/1989	Auger	Fill	Unsaturated	EPA 8020	<0.001	**0.229**	<0.001	--	--	**0.013**	<0.001	<0.001	<0.001	<0.001	--	--	--	--	--	--	--	--	--	--
B-2	2.5	11/9/1989	Drive-sample	Bedrock	Unsaturated	EPA 8020	<0.001	**0.043**	<0.001	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--	--	--	--	--	--	--	--
B-2	4	11/9/1989	Drive-sample	Bedrock	Unsaturated	EPA 8020	<0.001	**0.019**	<0.001	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--	--	--	--	--	--	--	--
B-2	5	11/9/1989	Drive-sample	Bedrock	Unsaturated	EPA 8020	<0.001	**0.026**	<0.001	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--	--	--	--	--	--	--	--
B-2	7	11/9/1989	Drive-sample	Bedrock	Saturated	EPA 8020	<0.001	**0.008**	<0.001	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--	--	--	--	--	--	--	--
B-2	9	11/9/1989	Auger	Bedrock	Saturated	EPA 8020	<0.001	**0.008**	<0.001	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--	--	--	--	--	--	--	--
B-2	14	11/9/1989	Auger	Bedrock	Saturated	EPA 8020	<0.001	**0.012**	<0.001	--	--	**0.018**	<0.001	<0.001	<0.001	<0.001	--	--	--	--	--	--	--	--	--	--
B-3	4	11/9/1989	Drive-sample	Bedrock	Unsaturated	EPA 8020	<0.001	**0.023**	<0.001	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--	--	--	--	--	--	--	--
B-3	6	11/9/1989	Auger	Bedrock	Unsaturated	EPA 8020	<0.001	**0.037**	<0.001	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--	--	--	--	--	--	--	--
B-3	9.5	11/9/1989	Auger	Bedrock	Saturated	EPA 8020	<0.001	**0.051**	<0.001	--	--	**0.028**	<0.001	<0.001	<0.001	<0.001	--	--	--	--	--	--	--	--	--	--
B-3	14	11/9/1989	Auger	Bedrock	Saturated	EPA 8020	<0.001	**0.014**	<0.001	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--	--	--	--	--	--	--	--
B-4	4	11/--/1989	Auger	Fill	Unsaturated	EPA 8020	<0.001	**0.091**	<0.001	--	--	**0.004**	<0.001	<0.001	<0.001	<0.001	--	--	--	--	--	--	--	--	--	--
B-5	4	11/--/1989	Auger	Fill	Unsaturated	EPA 8020	<0.001	**0.052**	<0.001	--	--	**0.018**	<0.001	<0.001	<0.001	<0.001	--	--	--	--	--	--	--	--	--	--
MW-1	2.5	11/10/1989	Drive-sample	Bedrock	Saturated	EPA 8020	<0.001	**0.023**	<0.001	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--	--	--	--	--	--	--	--
MW-1	4.5	11/10/1989	Auger	Bedrock	Saturated	EPA 8020	<0.001	**0.114**	<0.001	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--	--	--	--	--	--	--	--
MW-1	6	11/10/1989	Auger	Bedrock	Saturated	EPA 8020	<0.005	<0.005	**0.014**	--	--	**0.084**	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--	--	--
MW-1	9	11/10/1989	Auger	Bedrock	Unsaturated	EPA 8020	<0.01	**0.08**	<0.01	--	--	**0.15**	<0.01	<0.01	<0.01	<0.01	--	--	--	--	--	--	--	--	--	--
MW-1	14	11/10/1989	Auger	Bedrock	Unsaturated	EPA 8020	<0.025	**0.059**	**0.137**	--	--	**0.776**	<0.025	<0.025	<0.025	<0.025	--	--	--	--	--	--	--	--	--	--
MW-2	4	11/10/1989	Drive-sample	Bedrock	Saturated	EPA 8020	<0.001	**0.055**	<0.001	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--	--	--	--	--	--	--	--
MW-2	4.5	11/10/1989	Auger	Bedrock	Saturated	EPA 8020	<0.001	**0.01**	<0.001	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--	--	--	--	--	--	--	--
MW-2	6	11/10/1989	Auger	Bedrock	Saturated	EPA 8020	<0.001	**0.02**	<0.001	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--	--	--	--	--	--	--	--
MW-2	9	11/10/1989	Auger	Bedrock	Unsaturated	EPA 8020	<0.001	**0.023**	<0.001	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--	--	--	--	--	--	--	--
MW-2	14.5	11/10/1989	Auger	Bedrock	Unsaturated	EPA 8020	<0.001	**0.011**	<0.001	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--	--	--	--	--	--	--	--
MW-4B	4.5	11/10/1989	Drive-sample	Fill	Unsaturated	EPA 8020	<0.001	**0.004**	<0.001	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
MW-4B	9.5	11/10/1989	Auger	Fill	Unsaturated	EPA 8020	<0.001	**0.037**	<0.001	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
MW-5	5	11/9/1989	Drive-sample	Fill	Saturated	EPA 8020	<0.001	**0.012**	<0.001	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--	--	--	--	--	--	--	--
MW-5	6	11/9/1989	Auger	Fill	Saturated	EPA 8020	<0.001	**0.012**	<0.001	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--	--	--	--	--	--	--	--
MW-5	9.5	11/9/1989	Drive-sample	Fill	Saturated	EPA 8020	**0.01**	**0.046**	**0.004**	--	--	**0.013**	<0.001	<0.001	<0.001	<0.001	--	--	--	--	--	--	--	--	--	--
Ecology & the Environment, 1991, Preliminary Endangerment Assessment, Potrero Power Plant, October 16--Analytical results reported in dry weight																										
B-POT-2	4.5	2/27/1991	Primary	Bedrock	Unsaturated	EPA 8020	<0.0011	<0.0011	<0.0011	--	--	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011	--	--	--	--	--	--	--	--	--	--
B-POT-2	6.5	2/27/1991	Primary	Bedrock	Unsaturated	EPA 8020	<0.0011	<0.0011	<0.0011	--	--	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011	--	--	--	--	--	--	--	--	--	--
B-POT-3	3.5	2/22/1991	Primary	Fill/Brown	Unsaturated	EPA 8020	<0.00034	<0.00034	<0.00034	--	--	<0.0011	<0.00034	<0.0011	<0.0008	<0.0008	--	--	--	--	--	--	--	--	--	--
B-POT-3	6	2/22/1991	Primary	Fill/Green	Unsaturated	EPA 8020	<0.00033	<0.00033	<0.00033	--	--	<0.0011	<0.00033	<0.0011	<0.00078	<0.00078	--	--	--	--	--	--	--	--	--	--
B-POT-3	10	2/22/1991	Primary	Fill/Brown	Unsaturated	EPA 8020	<1.3	<1.3	<1.3	--	--	<1.3	<1.3	<1.3	<1.3	<1.3	--	--	--	--	--	--	--	--	--	--
B-POT-3	12	2/22/1991	Primary	Fill/Green	Saturated	EPA 8020	<1.3	<1.3	<1.3	--	--	**2.8**	<1.3	<1.3	<1.3	<1.3	--	--	--	--	--	--	--	--	--	--
POT-9	3.5	3/4/1991	Primary	Bedrock	Unsaturated	EPA 8020	<0.00038	<0.00038	<0.00038	--	--	<0.0012	<0.00038	<0.0012	<0.00088	<0.00088	--	--	--	--	--	--	--	--	--	--
POT-9	5.5	3/4/1991	Primary	Bedrock	Unsaturated	EPA 8020	<0.00035	<0.00035	<0.00035	--	--	<0.0012	<0.00035	<0.0012	<0.00082	<0.00082	--	--	--	--	--	--	--	--	--	--
POT-9	10	3/4/1991	Primary	Bedrock	Unsaturated	EPA 8020	<0.00038	<0.00038	<0.00038	--	--	**0.0054**	<0.00038	<0.0012	<0.00089	<0.00089	--	--	--	--	--	--	--	--	--	--
POT-9	25	3/4/1991	Primary	Bedrock	Saturated	EPA 8020	<0.00033	<0.00033	<0.00033	--	--	<0.0011	<0.00033	<0.0011	<0.00078	<0.00078	--	--	--	--	--	--	--	--	--	--
POT-14	3.5	3/5/1991	Primary	Fill/Brown	Unsaturated	EPA 8020	<0.00035	<0.00035	<0.00035	--	--	<0.0012	<0.00035	<0.0012	<0.00081	<0.00081	--	--	--	--	--	--	--	--	--	--
POT-14	6	3/5/1991	Primary	Interface	Saturated	EPA 8020	<0.00034	<0.00034	<0.00034	--	--	<0.0011	<0.00034	<0.0011	<0.00079	<0.00079	--	--	--	--	--	--	--	--	--	--
POT-14	20.5	3/5/1991	Primary	Bedrock	Saturated	EPA 8020	<0.00039	<0.00039	<0.00039	--	--	<0.0013	<0.00039	<0.0013	<0.00092	<0.00092	--	--	--	--	--	--	--	--	--	--
POT-15	3.5	3/1/1991	Primary	Fill	Unsaturated	EPA 8020	<0.00034	<0.00034	<0.00034	--	--	<0.0011	<0.00034	<0.0011	<0.0008	<0.0008	--	--	--	--	--	--	--	--	--	--
POT-15	5.5	3/1/1991	Primary	Fill	Unsaturated	EPA 8020	<0.00032	<0.00032	<0.00032	--	--	<0.001	<0.00032	<0.001	<0.00074	<0.00074	--	--	--	--	--	--	--	--	--	--
POT-15	8.5	3/1/1991	Primary	Fill	Unsaturated	EPA 8020	<0.00037	<0.00037	<0.00037	--	--	<0.0012	<0.00037	<0.0012	<0.00086	<0.00086	--	--	--	--	--	--	--	--	--	--
POT-15	16.5	3/1/1991	Primary	Fill	Saturated	EPA 8020	<0.0018	<0.0018	<0.0018	--	--	<0.0018	<0.0018	<0.0018	<0.0018	<0.0018	--	--	--	--	--	--	--	--	--	--
PG&E, Technical and Ecological Services (TES), 1991, Soil Investigation Results For Diesel Dump Tank and Associated Piping Replacement Project, Potrero Power Plant, June [7]																										
TES-SB1	8.0	4/29/1991	Primary	Bedrock	Unsaturated	EPA 8015	<0.005	<0.005	<0.005	--	--	<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TES-SB2	3.5	4/29/1991	Primary	Fill	Unsaturated	EPA 8015	<0.005	<0.005	<0.005	--	--	<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TES-SB3	2.5	4/29/1991	Primary	Fill	Unsaturated	EPA 8015	<0.005	<0.005	<0.005	--	--	<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TES-SB4	2.5	4/29/1991	Primary	Fill	Unsaturated	EPA 8015	<0.005	<0.005	<0.005	--	--	<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TES-SB5	2.5	4/29/1991	Primary	Bedrock	Unsaturated	EPA 8015	<0.005	<0.005	<0.005	--	--	<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TES-SB6	2.0	4/29/1991	Primary	Bedrock	Unsaturated	EPA 8015	<0.005	<0.005	<0.005	--	--	<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TES-SB7	2.5	4/30/1991	Primary	Bedrock	Unsaturated	EPA 8015	<0.005	<0.005	<0.005	--	--	<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE C-4

SUMMARY OF ANALYTICAL RESULTS FOR VOLATILE ORGANIC COMPOUNDS (VOCs) IN SOIL SAMPLES[1]
Potrero Power Plant
San Francisco, California

All concentrations are presented in milligrams per kilogram (mg/kg)

Sample Point	Depth (ft-bgs)	Sample Date	Sample Type	Soil Type	Saturated/ Unsaturated	Analytical Method	Chloro-form	Chloro-methane	Chloro-toluene, 2-	Chloro-toluene, 4-	Dibromo-chloro-methane	Dibromo-chloro-propane	Dichloro-difluoro-methane	Dichloro-ethane, 1,1-	Dichloro-ethane, 1,2-	Dichloro-ethene, 1,1-	Dichloro-ethene, 1,2-, cis-	Dichloro-ethene, 1,2-, trans-	Dichloro-ethenes, 1,2-, total	Dichloro-propane, 1,2-	Dichloro-propane, 1,3-	Dichloro-propane, 2,2-	Dichloro-propene, 1,1-	Ethylene dibromide	Hexa-chloro-butadiene
Ecology & the Environment, 1990, Site Characterization Report, Potrero Power Plant, October 26. [2,3]																									
T-5 [4]	2.5	1989	Unknown	Bedrock	Unsaturated	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
T-10 [4]	2	1989	Unknown	Bedrock	Unsaturated	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B-1	1	11/9/1989	Drive-sample [5]	Fill	Unsaturated	EPA 8020	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B-1	4	11/9/1989	Auger [6]	Fill	Unsaturated	EPA 8020	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B-1	6	11/9/1989	Auger	Bedrock	Unsaturated	EPA 8020	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B-1	6.5	11/9/1989	Auger	Bedrock	Unsaturated	EPA 8020	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B-1	9.5	11/9/1989	Drive-sample	Bedrock	Saturated	EPA 8020	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B-1	10.5	11/9/1989	Auger	Bedrock	Saturated	EPA 8020	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B-2	2	11/9/1989	Auger	Fill	Unsaturated	EPA 8020	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B-2	2.5	11/9/1989	Drive-sample	Bedrock	Unsaturated	EPA 8020	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B-2	4	11/9/1989	Drive-sample	Bedrock	Unsaturated	EPA 8020	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B-2	5	11/9/1989	Drive-sample	Bedrock	Unsaturated	EPA 8020	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B-2	7	11/9/1989	Drive-sample	Bedrock	Saturated	EPA 8020	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B-2	9	11/9/1989	Auger	Bedrock	Saturated	EPA 8020	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B-2	14	11/9/1989	Auger	Bedrock	Saturated	EPA 8020	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B-3	4	11/9/1989	Drive-sample	Bedrock	Unsaturated	EPA 8020	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B-3	6	11/9/1989	Auger	Bedrock	Unsaturated	EPA 8020	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B-3	9.5	11/9/1989	Auger	Bedrock	Saturated	EPA 8020	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B-3	14	11/9/1989	Auger	Bedrock	Saturated	EPA 8020	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B-4	4	11/--/1989	Auger	Fill	Unsaturated	EPA 8020	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B-5	4	11/--/1989	Auger	Fill	Unsaturated	EPA 8020	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	2.5	11/10/1989	Drive-sample	Bedrock	Saturated	EPA 8020	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	4.5	11/10/1989	Auger	Bedrock	Saturated	EPA 8020	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	6	11/10/1989	Auger	Bedrock	Saturated	EPA 8020	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	9	11/10/1989	Auger	Bedrock	Unsaturated	EPA 8020	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	14	11/10/1989	Auger	Bedrock	Unsaturated	EPA 8020	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	4	11/10/1989	Drive-sample	Bedrock	Saturated	EPA 8020	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	4.5	11/10/1989	Auger	Bedrock	Saturated	EPA 8020	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	6	11/10/1989	Auger	Bedrock	Saturated	EPA 8020	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	9	11/10/1989	Auger	Bedrock	Unsaturated	EPA 8020	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	14.5	11/10/1989	Auger	Bedrock	Unsaturated	EPA 8020	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4B	4.5	11/10/1989	Drive-sample	Fill	Unsaturated	EPA 8020	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
MW-4B	9.5	11/10/1989	Auger	Fill	Unsaturated	EPA 8020	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
MW-5	5	11/9/1989	Drive-sample	Fill	Saturated	EPA 8020	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	6	11/9/1989	Auger	Fill	Saturated	EPA 8020	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	9.5	11/9/1989	Drive-sample	Fill	Saturated	EPA 8020	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ecology & the Environment, 1991, Preliminary Endangerment Assessment, Potrero Power Plant, October 16--Analytical results reported in dry weight																									
B-POT-2	4.5	2/27/1991	Primary	Bedrock	Unsaturated	EPA 8020	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B-POT-2	6.5	2/27/1991	Primary	Bedrock	Unsaturated	EPA 8020	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B-POT-3	3.5	2/22/1991	Primary	Fill/Brown	Unsaturated	EPA 8020	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B-POT-3	6	2/22/1991	Primary	Fill/Green	Unsaturated	EPA 8020	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B-POT-3	10	2/22/1991	Primary	Fill/Brown	Unsaturated	EPA 8020	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B-POT-3	12	2/22/1991	Primary	Fill/Green	Saturated	EPA 8020	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
POT-9	3.5	3/4/1991	Primary	Bedrock	Unsaturated	EPA 8020	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
POT-9	5.5	3/4/1991	Primary	Bedrock	Unsaturated	EPA 8020	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
POT-9	10	3/4/1991	Primary	Bedrock	Unsaturated	EPA 8020	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
POT-9	25	3/4/1991	Primary	Bedrock	Saturated	EPA 8020	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
POT-14	3.5	3/5/1991	Primary	Fill/Brown	Unsaturated	EPA 8020	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
POT-14	6	3/5/1991	Primary	Interface	Saturated	EPA 8020	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
POT-14	20.5	3/5/1991	Primary	Bedrock	Saturated	EPA 8020	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
POT-15	3.5	3/1/1991	Primary	Fill	Unsaturated	EPA 8020	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
POT-15	5.5	3/1/1991	Primary	Fill	Unsaturated	EPA 8020	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
POT-15	8.5	3/1/1991	Primary	Fill	Unsaturated	EPA 8020	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
POT-15	16.5	3/1/1991	Primary	Fill	Saturated	EPA 8020	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PG&E, Technical and Ecological Services (TES), 1991, Soil Investigation Results For Diesel Dump Tank and Associated Piping Replacement Project, Potrero Power Plant, June [7]																									
TES-SB1	8.0	4/29/1991	Primary	Bedrock	Unsaturated	EPA 8015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TES-SB2	3.5	4/29/1991	Primary	Fill	Unsaturated	EPA 8015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TES-SB3	2.5	4/29/1991	Primary	Fill	Unsaturated	EPA 8015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TES-SB4	2.5	4/29/1991	Primary	Fill	Unsaturated	EPA 8015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TES-SB5	2.5	4/29/1991	Primary	Bedrock	Unsaturated	EPA 8015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TES-SB6	2.0	4/29/1991	Primary	Bedrock	Unsaturated	EPA 8015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TES-SB7	2.5	4/30/1991	Primary	Bedrock	Unsaturated	EPA 8015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE C-4

SUMMARY OF ANALYTICAL RESULTS FOR VOLATILE ORGANIC COMPOUNDS (VOCs) IN SOIL SAMPLES[1]
Potrero Power Plant
San Francisco, California

All concentrations are presented in milligrams per kilogram (mg/kg)

Sample Point	Depth (ft-bgs)	Sample Date	Sample Type	Soil Type	Saturated/ Unsaturated	Analytical Method	Iso-propyl-benzene	Isopropy-ltoluene, 4-	Methylene bromide	Methylene chloride	Naph-thalene	Propyl-benzene, 1-	Styrene	Tetra-chloro-ethane, 1,1,1,2-	Tetra-chloro-ethane, 1,1,2,2-	Tetra-chloro-ethene	Trichloro-benzene, 1,2,3-	Trichloro-benzene, 1,2,4-	Trichloro-ethane, 1,1,1-	Trichloro-ethane, 1,1,2-	Trichloro-ethene	Trichloro-fluoro-methane	Trichloro-propane, 1,2,3-	Trimethyl-benzene, 1,2,4-	Trimethyl-benzene, 1,3,5-	Vinyl chloride
Ecology & the Environment, 1990, Site Characterization Report, Potrero Power Plant, October 26. [2, 3]																										
T-5 [4]	2.5	1989	Unknown	Bedrock	Unsaturated	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
T-10 [4]	2	1989	Unknown	Bedrock	Unsaturated	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B-1	1	11/9/1989	Drive-sample [5]	Fill	Unsaturated	EPA 8020	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B-1	4	11/9/1989	Auger [6]	Fill	Unsaturated	EPA 8020	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B-1	6	11/9/1989	Auger	Bedrock	Unsaturated	EPA 8020	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B-1	6.5	11/9/1989	Auger	Bedrock	Unsaturated	EPA 8020	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B-1	9.5	11/9/1989	Drive-sample	Bedrock	Saturated	EPA 8020	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B-1	10.5	11/9/1989	Auger	Bedrock	Saturated	EPA 8020	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B-2	2	11/9/1989	Auger	Fill	Unsaturated	EPA 8020	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B-2	2.5	11/9/1989	Drive-sample	Bedrock	Unsaturated	EPA 8020	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B-2	4	11/9/1989	Drive-sample	Bedrock	Unsaturated	EPA 8020	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B-2	5	11/9/1989	Drive-sample	Bedrock	Unsaturated	EPA 8020	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B-2	7	11/9/1989	Drive-sample	Bedrock	Saturated	EPA 8020	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B-2	9	11/9/1989	Auger	Bedrock	Saturated	EPA 8020	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B-2	14	11/9/1989	Auger	Bedrock	Saturated	EPA 8020	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B-3	4	11/9/1989	Drive-sample	Bedrock	Unsaturated	EPA 8020	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B-3	6	11/9/1989	Auger	Bedrock	Unsaturated	EPA 8020	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B-3	9.5	11/9/1989	Auger	Bedrock	Saturated	EPA 8020	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B-3	14	11/9/1989	Auger	Bedrock	Saturated	EPA 8020	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B-4	4	11/--/1989	Auger	Fill	Unsaturated	EPA 8020	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B-5	4	11/--/1989	Auger	Fill	Unsaturated	EPA 8020	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	2.5	11/10/1989	Drive-sample	Bedrock	Saturated	EPA 8020	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	4.5	11/10/1989	Auger	Bedrock	Saturated	EPA 8020	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	6	11/10/1989	Auger	Bedrock	Saturated	EPA 8020	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	9	11/10/1989	Auger	Bedrock	Unsaturated	EPA 8020	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	14	11/10/1989	Auger	Bedrock	Unsaturated	EPA 8020	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	4	11/10/1989	Drive-sample	Bedrock	Saturated	EPA 8020	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	4.5	11/10/1989	Auger	Bedrock	Saturated	EPA 8020	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	6	11/10/1989	Auger	Bedrock	Saturated	EPA 8020	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	9	11/10/1989	Auger	Bedrock	Unsaturated	EPA 8020	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	14.5	11/10/1989	Auger	Bedrock	Unsaturated	EPA 8020	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4B	4.5	11/10/1989	Drive-sample	Fill	Unsaturated	EPA 8020	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--	--	--	--	--	--	--	--
MW-4B	9.5	11/10/1989	Auger	Fill	Unsaturated	EPA 8020	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--	--	--	--	--	--	--	--
MW-5	5	11/9/1989	Drive-sample	Fill	Saturated	EPA 8020	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	6	11/9/1989	Auger	Fill	Saturated	EPA 8020	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	9.5	11/9/1989	Drive-sample	Fill	Saturated	EPA 8020	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ecology & the Environment, 1991, Preliminary Endangerment Assessment, Potrero Power Plant, October 16--Analytical results reported in dry weight																										
B-POT-2	4.5	2/27/1991	Primary	Bedrock	Unsaturated	EPA 8020	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B-POT-2	6.5	2/27/1991	Primary	Bedrock	Unsaturated	EPA 8020	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B-POT-3	3.5	2/22/1991	Primary	Fill/Brown	Unsaturated	EPA 8020	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B-POT-3	6	2/22/1991	Primary	Fill/Green	Unsaturated	EPA 8020	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B-POT-3	10	2/22/1991	Primary	Fill/Brown	Unsaturated	EPA 8020	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B-POT-3	12	2/22/1991	Primary	Fill/Green	Saturated	EPA 8020	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
POT-9	3.5	3/4/1991	Primary	Bedrock	Unsaturated	EPA 8020	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
POT-9	5.5	3/4/1991	Primary	Bedrock	Unsaturated	EPA 8020	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
POT-9	10	3/4/1991	Primary	Bedrock	Unsaturated	EPA 8020	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
POT-9	25	3/4/1991	Primary	Bedrock	Saturated	EPA 8020	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
POT-14	3.5	3/5/1991	Primary	Fill/Brown	Unsaturated	EPA 8020	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
POT-14	6	3/5/1991	Primary	Interface	Saturated	EPA 8020	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
POT-14	20.5	3/5/1991	Primary	Bedrock	Saturated	EPA 8020	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
POT-15	3.5	3/1/1991	Primary	Fill	Unsaturated	EPA 8020	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
POT-15	5.5	3/1/1991	Primary	Fill	Unsaturated	EPA 8020	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
POT-15	8.5	3/1/1991	Primary	Fill	Unsaturated	EPA 8020	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
POT-15	16.5	3/1/1991	Primary	Fill	Saturated	EPA 8020	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PG&E, Technical and Ecological Services (TES), 1991, Soil Investigation Results For Diesel Dump Tank and Associated Piping Replacement Project, Potrero Power Plant, June [7]																										
TES-SB1	8.0	4/29/1991	Primary	Bedrock	Unsaturated	EPA 8015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TES-SB2	3.5	4/29/1991	Primary	Fill	Unsaturated	EPA 8015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TES-SB3	2.5	4/29/1991	Primary	Fill	Unsaturated	EPA 8015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TES-SB4	2.5	4/29/1991	Primary	Fill	Unsaturated	EPA 8015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TES-SB5	2.5	4/29/1991	Primary	Bedrock	Unsaturated	EPA 8015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TES-SB6	2.0	4/29/1991	Primary	Bedrock	Unsaturated	EPA 8015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TES-SB7	2.5	4/30/1991	Primary	Bedrock	Unsaturated	EPA 8015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE C-4

SUMMARY OF ANALYTICAL RESULTS FOR VOLATILE ORGANIC COMPOUNDS (VOCs) IN SOIL SAMPLES[1]
Potrero Power Plant
San Francisco, California

All concentrations are presented in milligrams per kilogram (mg/kg)

Sample Point	Depth (ft-bgs)	Sample Date	Sample Type	Soil Type	Saturated/ Unsaturated	Analytical Method	Benzene	Toluene	Ethyl-benzene	Xylene, 1,2-	Xylene, 1,3- and/or 1,4-	Xylenes, total	Chloro-benzene	Dichloro-benzene, 1,2-	Dichloro-benzene, 1,3-	Dichloro-benzene, 1,4-	Bromo-benzene	Bromo-chloro-methane	Bromo-dichloro-methane	Bromo-form	Bromo-methane	Butyl-benzene, 1-	Butyl-benzene, sec-	Butyl-benzene, tert-	Carbon tetra-chloride	Chloro-ethane
TES-SB8	2.5	4/30/1991	Primary	Bedrock	Unsaturated	EPA 8015	<0.005	<0.005	<0.005	--	--	<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TES-SB9	2.5	4/30/1991	Primary	Bedrock	Unsaturated	EPA 8015	<0.005	<0.005	<0.005	--	--	<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TES-SB10	2.5	4/30/1991	Primary	Bedrock	Unsaturated	EPA 8015	<0.005	<0.005	<0.005	--	--	<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TES-SB11	3.0	4/30/1991	Primary	Bedrock	Unsaturated	EPA 8015	<0.005	<0.005	<0.005	--	--	<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TES-SB12	3.0	4/30/1991	Primary	Bedrock	Unsaturated	EPA 8015	<0.005	<0.005	<0.005	--	--	<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TES-SB13	3.0	4/30/1991	Primary	Fill	Unsaturated	EPA 8015	<0.005	<0.005	<0.005	--	--	<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TES-SB14	3.0	4/30/1991	Primary	Fill	Unsaturated	EPA 8015	<0.005	<0.005	<0.005	--	--	<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TES-SB15	3.0	4/30/1991	Primary	Fill	Unsaturated	EPA 8015	<0.005	<0.005	<0.005	--	--	<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TES-SB16	3.0	4/30/1991	Primary	Fill	Unsaturated	EPA 8015	<0.005	<0.005	<0.005	--	--	<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TES-SB17	3.0	4/30/1991	Primary	Fill	Unsaturated	EPA 8015	<0.005	<0.005	<0.005	--	--	<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TES-SB18	8.5	4/30/1991	Primary	Fill	Unsaturated	EPA 8015	<0.005	<0.005	<0.005	--	--	<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TES-SB19	7.5	4/30/1991	Primary	Fill	Unsaturated	EPA 8015	<0.005	<0.005	<0.005	--	--	<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TES-SB20	4.0	4/30/1991	Primary	Fill	Unsaturated	EPA 8015	<0.5	<0.5	**0.9**	--	--	<0.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TES-SB21	3.0	4/30/1991	Primary	Bedrock	Unsaturated	EPA 8015	<0.005	<0.005	<0.005	--	--	<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TES-SB22	3.0	4/30/1991	Primary	Fill	Unsaturated	EPA 8015	**0.007**	**0.009**	<0.005	--	--	**0.012**	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TES-SB23	3.0	4/30/1991	Primary	Fill	Unsaturated	EPA 8015	<0.005	<0.005	<0.005	--	--	<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TES-SB24	3.0	4/30/1991	Primary	Fill	Unsaturated	EPA 8015	<0.005	<0.005	<0.005	--	--	<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TES-SB25	3.0	4/30/1991	Primary	Fill	Unsaturated	EPA 8015	<0.005	<0.005	<0.005	--	--	<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TES-SB26	9.0	4/30/1991	Primary	Fill	Unsaturated	EPA 8015	<0.5	<0.5	<0.5	--	--	<0.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TES-SB27	3.0	4/30/1991	Primary	Fill	Unsaturated	EPA 8015	<0.005	<0.005	<0.005	--	--	<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fluor Daniel GTI, 1998, Phase II Environmental Site Assessment, Potrero Power Plant, June--Analytical results reported in wet weight																										
TB1-001	1	12/8/1997	Primary	Fill/Brown	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01
TB1-001	6	12/8/1997	Primary	Fill/Green	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01
TB1-001	11	12/8/1997	Primary	Bedrock	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01
TB1-002	1	12/4/1997	Primary	Fill/Green	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01
TB1-002	1	12/4/1997	Duplicate	Fill/Green	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01
TB1-002	6	12/9/1997	Primary	Fill/Green	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01
TB1-002	6	12/9/1997	Duplicate	Fill/Green	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01
TB1-002	11	12/9/1997	Primary	Fill/Green	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01
TB1-002	16	12/9/1997	Primary	Fill/Green	Saturated	EPA 8260B	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.5	<0.5	<0.5	<0.25	<0.25	<0.25	<0.25	<0.5	<0.25	<0.25	<0.25	<0.25	<0.5
TB1-002	22	12/9/1997	Primary	Fill/Green	Saturated	EPA 8260B	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01
TB1-003	1	11/25/1997	Primary	Fill	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01
TB1-003	9	12/10/1997	Primary	Fill/Green	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01
TB1-003	13	12/10/1997	Primary	Fill/Green	Saturated	EPA 8260B	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01
TB1-008	1	12/4/1997	Primary	Fill/Brown	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01
TB1-008	6	12/4/1997	Primary	Fill/Brown	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01
TB1-008	11	12/4/1997	Primary	Fill/Green	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01
TB1-010	1	12/9/1997	Primary	Fill/Brown	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01
TB1-010	6	12/9/1997	Primary	Fill	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01
TB1-010	11	12/9/1997	Primary	Fill	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01
TB1-011	1	12/9/1997	Primary	Fill/Brown	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01
TB1-011	1	12/9/1997	Duplicate	Fill/Brown	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01
TB1-011	9	12/9/1997	Primary	Bedrock	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01
TB1-011	13	12/9/1997	Primary	Bedrock	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01
TB1-012	1	11/25/1997	Primary	Fill/Green	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.005	**0.00581**	**0.00581**	<0.005	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01
TB1-012	1	12/8/1997	Primary	Fill/Green	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01
TB1-012	1	12/8/1997	Duplicate	Fill/Green	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01
TB1-012	6	12/8/1997	Primary	Fill/Green	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01
TB1-012	10	12/8/1997	Primary	Fill/Green	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01
TB2-001	1	11/26/1997	Primary	Fill/Green	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01
TB2-001	1	11/26/1997	Duplicate	Fill/Green	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01
TB2-001	7	11/26/1997	Primary	Bedrock	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01
TB2-001	12	11/26/1997	Primary	Bedrock	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01
TB2-002	1	11/26/1997	Primary	Fill/Brown	Unsaturated	EPA 8260B	<0.005	**0.0157**	**0.00586**	**0.00809**	**0.0226**	**0.03069**	<0.005	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01
TB2-002	7	11/26/1997	Primary	Fill/Green	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01
TB2-002	12	11/26/1997	Primary	Fill/Green	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01
TB2-003	1	12/2/1997	Primary	Fill/Green	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01
TB2-003	6	12/2/1997	Primary	Bedrock	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01
TB2-003	10	12/2/1997	Primary	Bedrock	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01
TB2-004	2	11/26/1997	Primary	Fill	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01
TB2-004	6	11/26/1997	Primary	Bedrock	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01
TB2-004	10	11/26/1997	Primary	Bedrock	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01
TB2-004	10	11/26/1997	Duplicate	Bedrock	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01

TABLE C-4

SUMMARY OF ANALYTICAL RESULTS FOR VOLATILE ORGANIC COMPOUNDS (VOCs) IN SOIL SAMPLES[1]
Potrero Power Plant
San Francisco, California

All concentrations are presented in milligrams per kilogram (mg/kg)

Sample Point	Depth (ft-bgs)	Sample Date	Sample Type	Soil Type	Saturated/ Unsaturated	Analytical Method	Chloro-form	Chloro-methane	Chloro-toluene, 2-	Chloro-toluene, 4-	Dibromo-chloro-methane	Dibromo-chloro-propane	Dichloro-difluoro-methane	Dichloro-ethane, 1,1-	Dichloro-ethane, 1,2-	Dichloro-ethene, 1,1-	Dichloro-ethene, 1,2-, cis-	Dichloro-ethene, 1,2-, trans-	Dichloro-ethenes, 1,2-, total	Dichloro-propane, 1,2-	Dichloro-propane, 1,3-	Dichloro-propane, 2,2-	Dichloro-propene, 1,1-	Ethylene dibromide	Hexa-chloro-butadiene
TES-SB8	2.5	4/30/1991	Primary	Bedrock	Unsaturated	EPA 8015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TES-SB9	2.5	4/30/1991	Primary	Bedrock	Unsaturated	EPA 8015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TES-SB10	2.5	4/30/1991	Primary	Bedrock	Unsaturated	EPA 8015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TES-SB11	3.0	4/30/1991	Primary	Bedrock	Unsaturated	EPA 8015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TES-SB12	3.0	4/30/1991	Primary	Bedrock	Unsaturated	EPA 8015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TES-SB13	3.0	4/30/1991	Primary	Fill	Unsaturated	EPA 8015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TES-SB14	3.0	4/30/1991	Primary	Fill	Unsaturated	EPA 8015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TES-SB15	3.0	4/30/1991	Primary	Fill	Unsaturated	EPA 8015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TES-SB16	3.0	4/30/1991	Primary	Fill	Unsaturated	EPA 8015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TES-SB17	3.0	4/30/1991	Primary	Fill	Unsaturated	EPA 8015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TES-SB18	8.5	4/30/1991	Primary	Fill	Unsaturated	EPA 8015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TES-SB19	7.5	4/30/1991	Primary	Fill	Unsaturated	EPA 8015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TES-SB20	4.0	4/30/1991	Primary	Fill	Unsaturated	EPA 8015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TES-SB21	3.0	4/30/1991	Primary	Bedrock	Unsaturated	EPA 8015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TES-SB22	3.0	4/30/1991	Primary	Fill	Unsaturated	EPA 8015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TES-SB23	3.0	4/30/1991	Primary	Fill	Unsaturated	EPA 8015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TES-SB24	3.0	4/30/1991	Primary	Fill	Unsaturated	EPA 8015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TES-SB25	3.0	4/30/1991	Primary	Fill	Unsaturated	EPA 8015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TES-SB26	9.0	4/30/1991	Primary	Fill	Unsaturated	EPA 8015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TES-SB27	3.0	4/30/1991	Primary	Fill	Unsaturated	EPA 8015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fluor Daniel GTI, 1998, Phase II Environmental Site Assessment, Potrero Power Plant, June--Analytical results reported in wet weight																									
TB1-001	1	12/8/1997	Primary	Fill/Brown	Unsaturated	EPA 8260B	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TB1-001	6	12/8/1997	Primary	Fill/Green	Unsaturated	EPA 8260B	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TB1-001	11	12/8/1997	Primary	Bedrock	Unsaturated	EPA 8260B	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TB1-002	1	12/4/1997	Primary	Fill/Green	Unsaturated	EPA 8260B	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TB1-002	1	12/4/1997	Duplicate	Fill/Green	Unsaturated	EPA 8260B	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TB1-002	6	12/9/1997	Primary	Fill/Green	Unsaturated	EPA 8260B	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TB1-002	6	12/9/1997	Duplicate	Fill/Green	Unsaturated	EPA 8260B	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TB1-002	11	12/9/1997	Primary	Fill/Green	Unsaturated	EPA 8260B	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TB1-002	16	12/9/1997	Primary	Fill/Green	Saturated	EPA 8260B	<0.25	<0.5	<0.25	<0.25	<0.25	<0.25	<0.5	<0.25	<0.25	<0.25	<0.25	<0.25	-	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
TB1-002	22	12/9/1997	Primary	Fill/Green	Saturated	EPA 8260B	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TB1-003	1	11/25/1997	Primary	Fill	Unsaturated	EPA 8260B	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TB1-003	9	12/10/1997	Primary	Fill/Green	Unsaturated	EPA 8260B	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TB1-003	13	12/10/1997	Primary	Fill/Green	Saturated	EPA 8260B	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TB1-008	1	12/4/1997	Primary	Fill/Brown	Unsaturated	EPA 8260B	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TB1-008	6	12/4/1997	Primary	Fill/Brown	Unsaturated	EPA 8260B	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TB1-008	11	12/4/1997	Primary	Fill/Green	Unsaturated	EPA 8260B	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TB1-010	1	12/9/1997	Primary	Fill/Brown	Unsaturated	EPA 8260B	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TB1-010	6	12/9/1997	Primary	Fill	Unsaturated	EPA 8260B	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TB1-010	11	12/9/1997	Primary	Fill	Unsaturated	EPA 8260B	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TB1-011	1	12/9/1997	Primary	Fill/Brown	Unsaturated	EPA 8260B	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TB1-011	1	12/9/1997	Duplicate	Fill/Brown	Unsaturated	EPA 8260B	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TB1-011	9	12/9/1997	Primary	Bedrock	Unsaturated	EPA 8260B	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TB1-011	13	12/9/1997	Primary	Bedrock	Unsaturated	EPA 8260B	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TB1-012	1	11/25/1997	Primary	Fill/Green	Unsaturated	EPA 8260B	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TB1-012	1	12/8/1997	Primary	Fill/Green	Unsaturated	EPA 8260B	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TB1-012	1	12/8/1997	Duplicate	Fill/Green	Unsaturated	EPA 8260B	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TB1-012	6	12/8/1997	Primary	Fill/Green	Unsaturated	EPA 8260B	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TB1-012	10	12/8/1997	Primary	Fill/Green	Unsaturated	EPA 8260B	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TB2-001	1	11/26/1997	Primary	Fill/Green	Unsaturated	EPA 8260B	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TB2-001	1	11/26/1997	Duplicate	Fill/Green	Unsaturated	EPA 8260B	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TB2-001	7	11/26/1997	Primary	Bedrock	Unsaturated	EPA 8260B	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TB2-001	12	11/26/1997	Primary	Bedrock	Unsaturated	EPA 8260B	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TB2-002	1	11/26/1997	Primary	Fill/Brown	Unsaturated	EPA 8260B	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TB2-002	7	11/26/1997	Primary	Fill/Green	Unsaturated	EPA 8260B	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TB2-002	12	11/26/1997	Primary	Fill/Green	Unsaturated	EPA 8260B	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TB2-003	1	12/2/1997	Primary	Fill/Green	Unsaturated	EPA 8260B	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TB2-003	6	12/2/1997	Primary	Bedrock	Unsaturated	EPA 8260B	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TB2-003	10	12/2/1997	Primary	Bedrock	Unsaturated	EPA 8260B	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TB2-004	2	11/26/1997	Primary	Fill	Unsaturated	EPA 8260B	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TB2-004	6	11/26/1997	Primary	Bedrock	Unsaturated	EPA 8260B	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TB2-004	10	11/26/1997	Primary	Bedrock	Unsaturated	EPA 8260B	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TB2-004	10	11/26/1997	Duplicate	Bedrock	Unsaturated	EPA 8260B	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005

TABLE C-4

SUMMARY OF ANALYTICAL RESULTS FOR VOLATILE ORGANIC COMPOUNDS (VOCs) IN SOIL SAMPLES[1]
Potrero Power Plant
San Francisco, California

All concentrations are presented in milligrams per kilogram (mg/kg)

Sample Point	Depth (ft-bgs)	Sample Date	Sample Type	Soil Type	Saturated/ Unsaturated	Analytical Method	Iso-propyl-benzene	Isopropy-ltoluene, 4-	Methylene bromide	Methylene chloride	Naph-thalene	Propyl-benzene, 1-	Styrene	Tetra-chloro-ethane, 1,1,1,2-	Tetra-chloro-ethane, 1,1,2,2-	Tetra-chloro-ethene	Trichloro-benzene, 1,2,3-	Trichloro-benzene, 1,2,4-	Trichloro-ethane, 1,1,1-	Trichloro-ethane, 1,1,2-	Trichloro-ethene	Trichloro-fluoro-methane	Trichloro-propane, 1,2,3-	Trimethyl-benzene, 1,2,4-	Trimethyl-benzene, 1,3,5-	Vinyl chloride
TES-SB8	2.5	4/30/1991	Primary	Bedrock	Unsaturated	EPA 8015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TES-SB9	2.5	4/30/1991	Primary	Bedrock	Unsaturated	EPA 8015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TES-SB10	2.5	4/30/1991	Primary	Bedrock	Unsaturated	EPA 8015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TES-SB11	3.0	4/30/1991	Primary	Bedrock	Unsaturated	EPA 8015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TES-SB12	3.0	4/30/1991	Primary	Bedrock	Unsaturated	EPA 8015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TES-SB13	3.0	4/30/1991	Primary	Fill	Unsaturated	EPA 8015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TES-SB14	3.0	4/30/1991	Primary	Fill	Unsaturated	EPA 8015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TES-SB15	3.0	4/30/1991	Primary	Fill	Unsaturated	EPA 8015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TES-SB16	3.0	4/30/1991	Primary	Fill	Unsaturated	EPA 8015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TES-SB17	3.0	4/30/1991	Primary	Fill	Unsaturated	EPA 8015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TES-SB18	8.5	4/30/1991	Primary	Fill	Unsaturated	EPA 8015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TES-SB19	7.5	4/30/1991	Primary	Fill	Unsaturated	EPA 8015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TES-SB20	4.0	4/30/1991	Primary	Fill	Unsaturated	EPA 8015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TES-SB21	3.0	4/30/1991	Primary	Bedrock	Unsaturated	EPA 8015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TES-SB22	3.0	4/30/1991	Primary	Fill	Unsaturated	EPA 8015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TES-SB23	3.0	4/30/1991	Primary	Fill	Unsaturated	EPA 8015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TES-SB24	3.0	4/30/1991	Primary	Fill	Unsaturated	EPA 8015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TES-SB25	3.0	4/30/1991	Primary	Fill	Unsaturated	EPA 8015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TES-SB26	9.0	4/30/1991	Primary	Fill	Unsaturated	EPA 8015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TES-SB27	3.0	4/30/1991	Primary	Fill	Unsaturated	EPA 8015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fluor Daniel GTI, 1998, Phase II Environmental Site Assessment, Potrero Power Plant, June--Analytical results reported in wet weight																										
TB1-001	1	12/8/1997	Primary	Fill/Brown	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.01	**0.0683**	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002
TB1-001	6	12/8/1997	Primary	Fill/Green	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002
TB1-001	11	12/8/1997	Primary	Bedrock	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002
TB1-002	1	12/4/1997	Primary	Fill/Green	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002
TB1-002	1	12/4/1997	Duplicate	Fill/Green	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002
TB1-002	6	12/9/1997	Primary	Fill/Green	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002
TB1-002	6	12/9/1997	Duplicate	Fill/Green	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002
TB1-002	11	12/9/1997	Primary	Fill/Green	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002
TB1-002	16	12/9/1997	Primary	Fill/Green	Saturated	EPA 8260B	<0.25	<0.25	<0.25	<0.5	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.1
TB1-002	22	12/9/1997	Primary	Fill/Green	Saturated	EPA 8260B	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002
TB1-003	1	11/25/1997	Primary	Fill	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002
TB1-003	9	12/10/1997	Primary	Fill/Green	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002
TB1-003	13	12/10/1997	Primary	Fill/Green	Saturated	EPA 8260B	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002
TB1-008	1	12/4/1997	Primary	Fill/Brown	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002
TB1-008	6	12/4/1997	Primary	Fill/Brown	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002
TB1-008	11	12/4/1997	Primary	Fill/Green	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002
TB1-010	1	12/9/1997	Primary	Fill/Brown	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002
TB1-010	6	12/9/1997	Primary	Fill	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002
TB1-010	11	12/9/1997	Primary	Fill	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002
TB1-011	1	12/9/1997	Primary	Fill/Brown	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002
TB1-011	1	12/9/1997	Duplicate	Fill/Brown	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002
TB1-011	9	12/9/1997	Primary	Bedrock	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002
TB1-011	13	12/9/1997	Primary	Bedrock	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002
TB1-012	1	11/25/1997	Primary	Fill/Green	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002
TB1-012	1	12/8/1997	Primary	Fill/Green	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002
TB1-012	1	12/8/1997	Duplicate	Fill/Green	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002
TB1-012	6	12/8/1997	Primary	Fill/Green	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002
TB1-012	10	12/8/1997	Primary	Fill/Green	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002
TB2-001	1	11/26/1997	Primary	Fill/Green	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002
TB2-001	1	11/26/1997	Duplicate	Fill/Green	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002
TB2-001	7	11/26/1997	Primary	Bedrock	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002
TB2-001	12	11/26/1997	Primary	Bedrock	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002
TB2-002	1	11/26/1997	Primary	Fill/Brown	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002
TB2-002	7	11/26/1997	Primary	Fill/Green	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002
TB2-002	12	11/26/1997	Primary	Fill/Green	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002
TB2-003	1	12/2/1997	Primary	Fill/Green	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002
TB2-003	6	12/2/1997	Primary	Bedrock	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002
TB2-003	10	12/2/1997	Primary	Bedrock	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002
TB2-004	2	11/26/1997	Primary	Fill	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002
TB2-004	6	11/26/1997	Primary	Bedrock	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002
TB2-004	10	11/26/1997	Primary	Bedrock	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002
TB2-004	10	11/26/1997	Duplicate	Bedrock	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002

TABLE C-4

SUMMARY OF ANALYTICAL RESULTS FOR VOLATILE ORGANIC COMPOUNDS (VOCs) IN SOIL SAMPLES[1]
Potrero Power Plant
San Francisco, California

All concentrations are presented in milligrams per kilogram (mg/kg)

Sample Point	Depth (ft-bgs)	Sample Date	Sample Type	Soil Type	Saturated/ Unsaturated	Analytical Method	Benzene	Toluene	Ethyl-benzene	Xylene, 1,2-	Xylene, 1,3- and/or 1,4-	Xylenes, total	Chloro-benzene	Dichloro-benzene, 1,2-	Dichloro-benzene, 1,3-	Dichloro-benzene, 1,4-	Bromo-benzene	Bromo-chloro-methane	Bromo-dichloro-methane	Bromo-form	Bromo-methane	Butyl-benzene, 1-	Butyl-benzene, sec-	Butyl-benzene, tert-	Carbon tetra-chloride	Chloro-ethane
TB2-005	1	11/21/1997	Primary	Fill/Green	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01
TB2-005	6	11/25/1997	Primary	Bedrock	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01
TB2-005	6	11/25/1997	Duplicate	Bedrock	Unsaturated	EPA 8260B	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.5	<0.5	<0.5	<0.25	<0.25	<0.25	<0.25	<0.5	<0.25	<0.25	<0.25	<0.25	<0.5
TB2-005	10	11/25/1997	Primary	Bedrock	Unsaturated	EPA 8260B	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.5	<0.5	<0.5	<0.25	<0.25	<0.25	<0.25	<0.5	<0.25	<0.25	<0.25	<0.25	<0.5
TB2-006	1	11/21/1997	Primary	Fill/Brown	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01
TB2-006	6	11/21/1997	Primary	Fill	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01
TB2-006	10	11/21/1997	Primary	Bedrock	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01
TB4-002	1	12/8/1997	Primary	Fill/Brown	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01
TB4-002	1	12/8/1997	Duplicate	Fill/Brown	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01
TB4-002	6	12/8/1997	Primary	Bedrock	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01
TB4-003	1	11/26/1997	Primary	Fill/Brown	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01
TB4-003	7	11/26/1997	Primary	Fill/Green	Saturated	EPA 8260B	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01
TB4-003	12	12/1/1997	Primary	Bedrock	Saturated	EPA 8260B	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01
TB4-004	1	12/8/1997	Primary	Fill/Brown	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01
TB4-004	7	12/8/1997	Primary	Interface	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	**0.0104**	<0.005	<0.005	<0.005	<0.01
TB4-004	11	12/8/1997	Primary	Bedrock	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01
TB4-005	1	12/3/1997	Primary	Fill/Brown	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01
TB4-005	1	12/3/1997	Duplicate	Fill/Brown	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01
TB4-005	6	12/3/1997	Primary	Bedrock	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01
TB4-005	10	12/3/1997	Primary	Bedrock	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01
TB4-005	15	12/3/1997	Primary	Bedrock	Saturated	EPA 8260B	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01
TB4-006	1	12/3/1997	Primary	Fill/Brown	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01
TB4-006	6	12/3/1997	Primary	Bedrock	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01
TB4-006	10	12/3/1997	Primary	Bedrock	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01
TB4-006	15	12/3/1997	Primary	Bedrock	Saturated	EPA 8260B	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1	<0.1	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.1
TB4-007	2	12/8/1997	Primary	Fill/Brown	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01
TB4-007	6	12/8/1997	Primary	Fill/Brown	Unsaturated	EPA 8260B	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.2	<0.2	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.2
TB4-007	20	12/8/1997	Primary	Bedrock	Saturated	EPA 8260B	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.2	<0.2	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.2
TB4-008	1	12/4/1997	Primary	Fill/Brown	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01
TB4-008	1	12/4/1997	Duplicate	Fill/Brown	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01
TB4-008	4	12/4/1997	Primary	Fill/Green	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01
TB4-008	6	12/4/1997	Primary	Fill	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01
TB4-008	10	12/4/1997	Primary	Fill	Unsaturated	EPA 8260B	**0.0134**	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01
TB4-008	15	12/4/1997	Primary	Fill	Saturated	EPA 8260B	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01
TB4-008	20	12/4/1997	Primary	Fill/Green	Saturated	EPA 8260B	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01
TB4-008	30	12/4/1997	Primary	Fill/Brown	Saturated	EPA 8260B	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01
TB4-009	1	12/2/1997	Primary	Fill/Brown	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01
TB4-009	1	12/2/1997	Duplicate	Fill/Brown	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01
TB4-009	6	12/2/1997	Primary	Fill/Brown	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01
TB4-009	11	12/2/1997	Primary	Bedrock	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01
TB4-009	16	12/2/1997	Primary	Bedrock	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01
TB4-009	21	12/2/1997	Primary	Bedrock	Unsaturated	EPA 8260B	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<1	<1	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<1
TB4-010	1	12/2/1997	Primary	Fill/Green	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01
TB4-010	6	12/2/1997	Primary	Fill/Green	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01
TB4-010	10	12/3/1997	Primary	Fill/Green	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01
TB4-011	1	12/3/1997	Primary	Fill/Brown	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01
TB4-011	1	12/3/1997	Duplicate	Fill/Brown	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01
TB4-011	6	12/3/1997	Primary	Fill/Green	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01
TB4-011	11	12/3/1997	Primary	Fill/Green	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01
TB4-011	21	12/3/1997	Primary	Fill	Saturated	EPA 8260B	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.5	<0.5	<0.5	<0.25	<0.25	<0.25	<0.25	<0.5	<0.25	<0.25	<0.25	<0.25	<0.5
TB4-011	26	12/3/1997	Primary	Bedrock	Saturated	EPA 8260B	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01
TB4-012	3	12/1/1997	Primary	Fill/Green	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01
TB4-012	6	12/1/1997	Primary	Fill/Green	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01
TB4-012	10	12/1/1997	Primary	Fill/Green	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01
TB4-013	1	12/1/1997	Primary	Fill/Brown	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01
TB4-013	1	12/1/1997	Duplicate	Fill/Brown	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01
TB4-013	6	12/1/1997	Primary	Fill/Brown	Saturated	EPA 8260B	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01
TB4-013	11	12/1/1997	Primary	Bedrock	Saturated	EPA 8260B	**0.01**	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01
TB4-014	1	12/3/1997	Primary	Fill/Brown	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01
TB4-014	6	12/3/1997	Primary	Fill/Brown	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01
TB4-014	11	12/3/1997	Primary	Fill/Brown	Unsaturated	EPA 8260B	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<5	<5	<5	<2.5	<2.5	<2.5	<2.5	<5	<2.5	<2.5	<2.5	<2.5	<5
TB4-014	21	12/3/1997	Primary	Bedrock	Saturated	EPA 8260B	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<1	<1	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<1
TB4-015	1	12/1/1997	Primary	Fill	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01

TABLE C-4

SUMMARY OF ANALYTICAL RESULTS FOR VOLATILE ORGANIC COMPOUNDS (VOCs) IN SOIL SAMPLES[1]
Potrero Power Plant
San Francisco, California

All concentrations are presented in milligrams per kilogram (mg/kg)

Sample Point	Depth (ft-bgs)	Sample Date	Sample Type	Soil Type	Saturated/ Unsaturated	Analytical Method	Chloro-form	Chloro-methane	Chloro-toluene, 2-	Chloro-toluene, 4-	Dibromo-chloro-methane	Dibromo-chloro-propane	Dichloro-difluoro-methane	Dichloro-ethane, 1,1-	Dichloro-ethane, 1,2-	Dichloro-ethene, 1,1-	Dichloro-ethene, 1,2-, cis-	Dichloro-ethene, 1,2-, trans-	Dichloro-ethenes, 1,2-, total	Dichloro-propane, 1,2-	Dichloro-propane, 1,3-	Dichloro-propane, 2,2-	Dichloro-propene, 1,1-	Ethylene dibromide	Hexa-chloro-butadiene
TB2-005	1	11/21/1997	Primary	Fill/Green	Unsaturated	EPA 8260B	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TB2-005	6	11/25/1997	Primary	Bedrock	Unsaturated	EPA 8260B	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TB2-005	6	11/25/1997	Duplicate	Bedrock	Unsaturated	EPA 8260B	<0.25	<0.5	<0.25	<0.25	<0.25	<0.25	<0.5	<0.25	<0.25	<0.25	<0.25	<0.25	-	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
TB2-005	10	11/25/1997	Primary	Bedrock	Unsaturated	EPA 8260B	<0.25	<0.5	<0.25	<0.25	<0.25	<0.25	<0.5	<0.25	<0.25	<0.25	<0.25	<0.25	-	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
TB2-006	1	11/21/1997	Primary	Fill/Brown	Unsaturated	EPA 8260B	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TB2-006	6	11/21/1997	Primary	Fill	Unsaturated	EPA 8260B	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TB2-006	10	11/21/1997	Primary	Bedrock	Unsaturated	EPA 8260B	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TB4-002	1	12/8/1997	Primary	Fill/Brown	Unsaturated	EPA 8260B	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TB4-002	1	12/8/1997	Duplicate	Fill/Brown	Unsaturated	EPA 8260B	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TB4-002	6	12/8/1997	Primary	Bedrock	Unsaturated	EPA 8260B	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TB4-003	1	11/26/1997	Primary	Fill/Brown	Unsaturated	EPA 8260B	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TB4-003	7	11/26/1997	Primary	Fill/Green	Saturated	EPA 8260B	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TB4-003	12	12/1/1997	Primary	Bedrock	Saturated	EPA 8260B	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TB4-004	1	12/8/1997	Primary	Fill/Brown	Unsaturated	EPA 8260B	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TB4-004	7	12/8/1997	Primary	Interface	Unsaturated	EPA 8260B	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TB4-004	11	12/8/1997	Primary	Bedrock	Unsaturated	EPA 8260B	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TB4-005	1	12/3/1997	Primary	Fill/Brown	Unsaturated	EPA 8260B	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TB4-005	1	12/3/1997	Duplicate	Fill/Brown	Unsaturated	EPA 8260B	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TB4-005	6	12/3/1997	Primary	Bedrock	Unsaturated	EPA 8260B	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TB4-005	10	12/3/1997	Primary	Bedrock	Unsaturated	EPA 8260B	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TB4-005	15	12/3/1997	Primary	Bedrock	Saturated	EPA 8260B	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TB4-006	1	12/3/1997	Primary	Fill/Brown	Unsaturated	EPA 8260B	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TB4-006	6	12/3/1997	Primary	Bedrock	Unsaturated	EPA 8260B	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TB4-006	10	12/3/1997	Primary	Bedrock	Unsaturated	EPA 8260B	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TB4-006	15	12/3/1997	Primary	Bedrock	Saturated	EPA 8260B	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
TB4-007	2	12/8/1997	Primary	Fill/Brown	Unsaturated	EPA 8260B	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TB4-007	6	12/8/1997	Primary	Fill/Brown	Unsaturated	EPA 8260B	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TB4-007	20	12/8/1997	Primary	Bedrock	Saturated	EPA 8260B	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TB4-008	1	12/4/1997	Primary	Fill/Brown	Unsaturated	EPA 8260B	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TB4-008	1	12/4/1997	Duplicate	Fill/Brown	Unsaturated	EPA 8260B	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TB4-008	4	12/4/1997	Primary	Fill/Green	Unsaturated	EPA 8260B	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TB4-008	6	12/4/1997	Primary	Fill	Unsaturated	EPA 8260B	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TB4-008	10	12/4/1997	Primary	Fill	Unsaturated	EPA 8260B	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TB4-008	15	12/4/1997	Primary	Fill	Saturated	EPA 8260B	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TB4-008	20	12/4/1997	Primary	Fill/Green	Saturated	EPA 8260B	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TB4-008	30	12/4/1997	Primary	Fill/Brown	Saturated	EPA 8260B	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TB4-009	1	12/2/1997	Primary	Fill/Brown	Unsaturated	EPA 8260B	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TB4-009	1	12/2/1997	Duplicate	Fill/Brown	Unsaturated	EPA 8260B	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TB4-009	6	12/2/1997	Primary	Fill/Brown	Unsaturated	EPA 8260B	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TB4-009	11	12/2/1997	Primary	Bedrock	Unsaturated	EPA 8260B	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TB4-009	16	12/2/1997	Primary	Bedrock	Unsaturated	EPA 8260B	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TB4-009	21	12/2/1997	Primary	Bedrock	Unsaturated	EPA 8260B	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TB4-010	1	12/2/1997	Primary	Fill/Green	Unsaturated	EPA 8260B	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TB4-010	6	12/2/1997	Primary	Fill/Green	Unsaturated	EPA 8260B	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TB4-010	10	12/3/1997	Primary	Fill/Green	Unsaturated	EPA 8260B	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TB4-011	1	12/3/1997	Primary	Fill/Brown	Unsaturated	EPA 8260B	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TB4-011	1	12/3/1997	Duplicate	Fill/Brown	Unsaturated	EPA 8260B	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TB4-011	6	12/3/1997	Primary	Fill/Green	Unsaturated	EPA 8260B	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TB4-011	11	12/3/1997	Primary	Fill/Green	Unsaturated	EPA 8260B	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TB4-011	21	12/3/1997	Primary	Fill	Saturated	EPA 8260B	<0.25	<0.5	<0.25	<0.25	<0.25	<0.25	<0.5	<0.25	<0.25	<0.25	<0.25	<0.25	-	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
TB4-011	26	12/3/1997	Primary	Bedrock	Saturated	EPA 8260B	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TB4-012	3	12/1/1997	Primary	Fill/Green	Unsaturated	EPA 8260B	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TB4-012	6	12/1/1997	Primary	Fill/Green	Unsaturated	EPA 8260B	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TB4-012	10	12/1/1997	Primary	Fill/Green	Unsaturated	EPA 8260B	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TB4-013	1	12/1/1997	Primary	Fill/Brown	Unsaturated	EPA 8260B	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TB4-013	1	12/1/1997	Duplicate	Fill/Brown	Unsaturated	EPA 8260B	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TB4-013	6	12/1/1997	Primary	Fill/Brown	Saturated	EPA 8260B	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TB4-013	11	12/1/1997	Primary	Bedrock	Saturated	EPA 8260B	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TB4-014	1	12/3/1997	Primary	Fill/Brown	Unsaturated	EPA 8260B	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TB4-014	6	12/3/1997	Primary	Fill/Brown	Unsaturated	EPA 8260B	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TB4-014	11	12/3/1997	Primary	Fill/Brown	Unsaturated	EPA 8260B	<2.5	<5	<2.5	<2.5	<2.5	<2.5	<5	<2.5	<2.5	<2.5	<2.5	<2.5	-	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
TB4-014	21	12/3/1997	Primary	Bedrock	Saturated	EPA 8260B	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TB4-015	1	12/1/1997	Primary	Fill	Unsaturated	EPA 8260B	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005

TABLE C-4

SUMMARY OF ANALYTICAL RESULTS FOR VOLATILE ORGANIC COMPOUNDS (VOCs) IN SOIL SAMPLES[1]
Potrero Power Plant
San Francisco, California

All concentrations are presented in milligrams per kilogram (mg/kg)

Sample Point	Depth (ft-bgs)	Sample Date	Sample Type	Soil Type	Saturated/ Unsaturated	Analytical Method	Iso-propyl-benzene	Isopropy-ltoluene, 4-	Methylene bromide	Methylene chloride	Naph-thalene	Propyl-benzene, 1-	Styrene	Tetra-chloro-ethane, 1,1,1,2-	Tetra-chloro-ethane, 1,1,2,2-	Tetra-chloro-ethene	Trichloro-benzene, 1,2,3-	Trichloro-benzene, 1,2,4-	Trichloro-ethane, 1,1,1-	Trichloro-ethane, 1,1,2-	Trichloro-ethene	Trichloro-fluoro-methane	Trichloro-propane, 1,2,3-	Trimethyl-benzene, 1,2,4-	Trimethyl-benzene, 1,3,5-	Vinyl chloride
TB2-005	1	11/21/1997	Primary	Fill/Green	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002
TB2-005	6	11/25/1997	Primary	Bedrock	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002
TB2-005	6	11/25/1997	Duplicate	Bedrock	Unsaturated	EPA 8260B	<0.25	<0.25	<0.25	<0.5	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.1
TB2-005	10	11/25/1997	Primary	Bedrock	Unsaturated	EPA 8260B	<0.25	<0.25	<0.25	<0.5	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.1
TB2-006	1	11/21/1997	Primary	Fill/Brown	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002
TB2-006	6	11/21/1997	Primary	Fill	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002
TB2-006	10	11/21/1997	Primary	Bedrock	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002
TB4-002	1	12/8/1997	Primary	Fill/Brown	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002
TB4-002	1	12/8/1997	Duplicate	Fill/Brown	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002
TB4-002	6	12/8/1997	Primary	Bedrock	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002
TB4-003	1	11/26/1997	Primary	Fill/Brown	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002
TB4-003	7	11/26/1997	Primary	Fill/Green	Saturated	EPA 8260B	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002
TB4-003	12	12/1/1997	Primary	Bedrock	Saturated	EPA 8260B	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002
TB4-004	1	12/8/1997	Primary	Fill/Brown	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002
TB4-004	7	12/8/1997	Primary	Interface	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.01	**0.0355**	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	**0.0215**	**0.0135**	<0.002
TB4-004	11	12/8/1997	Primary	Bedrock	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.01	**0.0381**	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	**0.0102**	<0.005	<0.002
TB4-005	1	12/3/1997	Primary	Fill/Brown	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002
TB4-005	1	12/3/1997	Duplicate	Fill/Brown	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002
TB4-005	6	12/3/1997	Primary	Bedrock	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002
TB4-005	10	12/3/1997	Primary	Bedrock	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002
TB4-005	15	12/3/1997	Primary	Bedrock	Saturated	EPA 8260B	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002
TB4-006	1	12/3/1997	Primary	Fill/Brown	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002
TB4-006	6	12/3/1997	Primary	Bedrock	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002
TB4-006	10	12/3/1997	Primary	Bedrock	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002
TB4-006	15	12/3/1997	Primary	Bedrock	Saturated	EPA 8260B	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02
TB4-007	2	12/8/1997	Primary	Fill/Brown	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002
TB4-007	6	12/8/1997	Primary	Fill/Brown	Unsaturated	EPA 8260B	<0.1	<0.1	<0.1	<0.2	**0.607**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.04
TB4-007	20	12/8/1997	Primary	Bedrock	Saturated	EPA 8260B	<0.1	<0.1	<0.1	<0.2	**0.304**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.04
TB4-008	1	12/4/1997	Primary	Fill/Brown	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002
TB4-008	1	12/4/1997	Duplicate	Fill/Brown	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002
TB4-008	4	12/4/1997	Primary	Fill/Green	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.01	**0.0108**	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002
TB4-008	6	12/4/1997	Primary	Fill	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002
TB4-008	10	12/4/1997	Primary	Fill	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002
TB4-008	15	12/4/1997	Primary	Fill	Saturated	EPA 8260B	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002
TB4-008	20	12/4/1997	Primary	Fill/Green	Saturated	EPA 8260B	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002
TB4-008	30	12/4/1997	Primary	Fill/Brown	Saturated	EPA 8260B	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002
TB4-009	1	12/2/1997	Primary	Fill/Brown	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002
TB4-009	1	12/2/1997	Duplicate	Fill/Brown	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002
TB4-009	6	12/2/1997	Primary	Fill/Brown	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002
TB4-009	11	12/2/1997	Primary	Bedrock	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002
TB4-009	16	12/2/1997	Primary	Bedrock	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002
TB4-009	21	12/2/1997	Primary	Bedrock	Unsaturated	EPA 8260B	<0.5	<0.5	<0.5	<1	<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	<0.2
TB4-010	1	12/2/1997	Primary	Fill/Green	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002
TB4-010	6	12/2/1997	Primary	Fill/Green	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002
TB4-010	10	12/3/1997	Primary	Fill/Green	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002
TB4-011	1	12/3/1997	Primary	Fill/Brown	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002
TB4-011	1	12/3/1997	Duplicate	Fill/Brown	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002
TB4-011	6	12/3/1997	Primary	Fill/Green	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002
TB4-011	11	12/3/1997	Primary	Fill/Green	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002
TB4-011	21	12/3/1997	Primary	Fill	Saturated	EPA 8260B	<0.25	<0.25	<0.25	<0.5	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.1
TB4-011	26	12/3/1997	Primary	Bedrock	Saturated	EPA 8260B	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002
TB4-012	3	12/1/1997	Primary	Fill/Green	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002
TB4-012	6	12/1/1997	Primary	Fill/Green	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002
TB4-012	10	12/1/1997	Primary	Fill/Green	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002
TB4-013	1	12/1/1997	Primary	Fill/Brown	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002
TB4-013	1	12/1/1997	Duplicate	Fill/Brown	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002
TB4-013	6	12/1/1997	Primary	Fill/Brown	Saturated	EPA 8260B	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002
TB4-013	11	12/1/1997	Primary	Bedrock	Saturated	EPA 8260B	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002
TB4-014	1	12/3/1997	Primary	Fill/Brown	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002
TB4-014	6	12/3/1997	Primary	Fill/Brown	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002
TB4-014	11	12/3/1997	Primary	Fill/Brown	Unsaturated	EPA 8260B	<2.5	<2.5	<2.5	<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	<1
TB4-014	21	12/3/1997	Primary	Bedrock	Saturated	EPA 8260B	<0.5	<0.5	<0.5	<1	<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	<0.2
TB4-015	1	12/1/1997	Primary	Fill	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.01	**0.0579**	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002

TABLE C-4

SUMMARY OF ANALYTICAL RESULTS FOR VOLATILE ORGANIC COMPOUNDS (VOCs) IN SOIL SAMPLES[1]
Potrero Power Plant
San Francisco, California

All concentrations are presented in milligrams per kilogram (mg/kg)

Sample Point	Depth (ft-bgs)	Sample Date	Sample Type	Soil Type	Saturated/ Unsaturated	Analytical Method	Benzene	Toluene	Ethyl-benzene	Xylene, 1,2-	Xylene, 1,3- and/or 1,4-	Xylenes, total	Chloro-benzene	Dichloro-benzene, 1,2-	Dichloro-benzene, 1,3-	Dichloro-benzene, 1,4-	Bromo-benzene	Bromo-chloro-methane	Bromo-dichloro-methane	Bromo-form	Bromo-methane	Butyl-benzene, 1-	Butyl-benzene, sec-	Butyl-benzene, tert-	Carbon tetra-chloride	Chloro-ethane
TB4-015	6	12/1/1997	Primary	Fill	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01
TB4-015	11	12/2/1997	Primary	Fill	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01
TB4-015	20	12/2/1997	Primary	Fill/Brown	Saturated	EPA 8260B	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01
TB4-015	30	12/2/1997	Primary	Bedrock	Saturated	EPA 8260B	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01
TB4-017	36	3/3/1998	Primary	Fill/Brown	Saturated	EPA 8260	<0.005	<0.005	<0.005	--	--	<0.005	<0.005	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01
TB4-017	41	3/3/1998	Primary	Fill/Brown	Saturated	EPA 8260	<0.005	<0.005	<0.005	--	--	<0.005	<0.005	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01
TB4-017	41	3/3/1998	Duplicate	Fill/Brown	Saturated	EPA 8260	<0.005	<0.005	<0.005	--	--	<0.005	<0.005	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01
TB4-017	46	3/3/1998	Primary	Fill/Brown	Saturated	EPA 8260	<0.005	<0.005	<0.005	--	--	<0.005	<0.005	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01
TB5-001	1	12/2/1997	Primary	Fill/Brown	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01
TB5-001	6	12/2/1997	Primary	Fill/Green	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01
TB5-001	10	12/2/1997	Primary	Bedrock	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01
TB5-001	15	12/2/1997	Primary	Bedrock	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01
TB5-002	1	11/26/1997	Primary	Fill	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01
TB5-002	6	11/26/1997	Primary	Fill	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01
TB5-002	10	11/26/1997	Primary	Fill	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01
TB5-003	1	11/26/1997	Primary	Fill/Brown	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01
TB5-003	6	11/26/1997	Primary	Bedrock	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01
TB5-003	10	11/26/1997	Primary	Bedrock	Saturated	EPA 8260B	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01
TS1-017	1	12/9/1997	Primary	Fill	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01
TS1-018	1	12/9/1997	Primary	Fill	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01
TS1-019	1	12/9/1997	Primary	Fill	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01
TS4-016	1	12/10/1997	Primary	Fill	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01
Fluor Daniel GTI, 1998, Phase II Environmental Site Assessment Addendum, Potrero Power Plant, September--Analytical results reported in wet weight																										
TB1-030	1	6/30/1998	Primary	Fill	Unsaturated	EPA 8260	<0.005	<0.005	<0.005	--	--	**0.0017**	<0.005	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01
TB1-030	1	6/30/1998	Duplicate	Fill	Unsaturated	EPA 8260	<0.005	<0.005	<0.005	--	--	<0.005	<0.005	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01
TB1-030	8	6/30/1998	Primary	Fill	Unsaturated	EPA 8260	<0.019	<0.019	<0.019	--	--	<0.019	<0.019	<0.038	<0.038	<0.038	<0.019	<0.019	<0.019	<0.019	<0.038	**0.018**	**0.053**	**0.013**	<0.019	<0.038
TB1-030	10	6/30/1998	Primary	Fill	Unsaturated	EPA 8260	**0.0016**	<0.005	<0.005	--	--	<0.005	<0.005	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01
TB1-030	10	6/30/1998	Duplicate	Fill	Unsaturated	EPA 8260	**0.002**	**0.0022**	<0.005	--	--	<0.005	<0.005	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01
TB1-030	15	6/30/1998	Primary	Fill	Saturated	EPA 8260	<0.025	<0.025	<0.025	--	--	<0.025	<0.025	<0.05	<0.05	<0.05	<0.025	<0.025	<0.025	<0.025	<0.05	<0.025	<0.025	<0.025	<0.025	<0.05
TB1-030	20	6/30/1998	Primary	Fill	Saturated	EPA 8260	<0.005	<0.005	<0.005	--	--	<0.005	<0.005	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01
TB1-030	25	6/30/1998	Primary	Bay Mud	Saturated	EPA 8260	<0.005	<0.005	<0.005	--	--	<0.005	<0.005	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01

TABLE C-4

SUMMARY OF ANALYTICAL RESULTS FOR VOLATILE ORGANIC COMPOUNDS (VOCs) IN SOIL SAMPLES[1]
Potrero Power Plant
San Francisco, California

All concentrations are presented in milligrams per kilogram (mg/kg)

Sample Point	Depth (ft-bgs)	Sample Date	Sample Type	Soil Type	Saturated/ Unsaturated	Analytical Method	Chloro-form	Chloro-methane	Chloro-toluene, 2-	Chloro-toluene, 4-	Dibromo-chloro-methane	Dibromo-chloro-propane	Dichloro-difluoro-methane	Dichloro-ethane, 1,1-	Dichloro-ethane, 1,2-	Dichloro-ethene, 1,1-	Dichloro-ethene, 1,2-, cis-	Dichloro-ethene, 1,2-, trans-	Dichloro-ethenes, 1,2-, total	Dichloro-propane, 1,2-	Dichloro-propane, 1,3-	Dichloro-propane, 2,2-	Dichloro-propene, 1,1-	Ethylene dibromide	Hexa-chloro-butadiene
TB4-015	6	12/1/1997	Primary	Fill	Unsaturated	EPA 8260B	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TB4-015	11	12/2/1997	Primary	Fill	Unsaturated	EPA 8260B	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TB4-015	20	12/2/1997	Primary	Fill/Brown	Saturated	EPA 8260B	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TB4-015	30	12/2/1997	Primary	Bedrock	Saturated	EPA 8260B	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TB4-017	36	3/3/1998	Primary	Fill/Brown	Saturated	EPA 8260	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TB4-017	41	3/3/1998	Primary	Fill/Brown	Saturated	EPA 8260	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TB4-017	41	3/3/1998	Duplicate	Fill/Brown	Saturated	EPA 8260	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TB4-017	46	3/3/1998	Primary	Fill/Brown	Saturated	EPA 8260	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TB5-001	1	12/2/1997	Primary	Fill/Brown	Unsaturated	EPA 8260B	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TB5-001	6	12/2/1997	Primary	Fill/Green	Unsaturated	EPA 8260B	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TB5-001	10	12/2/1997	Primary	Bedrock	Unsaturated	EPA 8260B	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TB5-001	15	12/2/1997	Primary	Bedrock	Unsaturated	EPA 8260B	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TB5-002	1	11/26/1997	Primary	Fill	Unsaturated	EPA 8260B	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TB5-002	6	11/26/1997	Primary	Fill	Unsaturated	EPA 8260B	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TB5-002	10	11/26/1997	Primary	Fill	Unsaturated	EPA 8260B	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TB5-003	1	11/26/1997	Primary	Fill/Brown	Unsaturated	EPA 8260B	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TB5-003	6	11/26/1997	Primary	Bedrock	Unsaturated	EPA 8260B	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TB5-003	10	11/26/1997	Primary	Bedrock	Saturated	EPA 8260B	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TS1-017	1	12/9/1997	Primary	Fill	Unsaturated	EPA 8260B	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TS1-018	1	12/9/1997	Primary	Fill	Unsaturated	EPA 8260B	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TS1-019	1	12/9/1997	Primary	Fill	Unsaturated	EPA 8260B	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TS4-016	1	12/10/1997	Primary	Fill	Unsaturated	EPA 8260B	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Fluor Daniel GTI, 1998, Phase II Environmental Site Assessment Addendum, Potrero Power Plant, September--Analytical results reported in wet weight																									
TB1-030	1	6/30/1998	Primary	Fill	Unsaturated	EPA 8260	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TB1-030	1	6/30/1998	Duplicate	Fill	Unsaturated	EPA 8260	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TB1-030	8	6/30/1998	Primary	Fill	Unsaturated	EPA 8260	<0.019	<0.038	<0.019	<0.019	<0.019	<0.019	<0.038	<0.019	<0.019	<0.019	<0.019	<0.019	<0.038	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019
TB1-030	10	6/30/1998	Primary	Fill	Unsaturated	EPA 8260	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TB1-030	10	6/30/1998	Duplicate	Fill	Unsaturated	EPA 8260	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TB1-030	15	6/30/1998	Primary	Fill	Saturated	EPA 8260	<0.025	<0.05	<0.025	<0.025	<0.025	<0.025	<0.05	<0.025	<0.025	<0.025	<0.025	<0.025	<0.05	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
TB1-030	20	6/30/1998	Primary	Fill	Saturated	EPA 8260	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TB1-030	25	6/30/1998	Primary	Bay Mud	Saturated	EPA 8260	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005

TABLE C-4

SUMMARY OF ANALYTICAL RESULTS FOR VOLATILE ORGANIC COMPOUNDS (VOCs) IN SOIL SAMPLES[1]
Potrero Power Plant
San Francisco, California

All concentrations are presented in milligrams per kilogram (mg/kg)

Sample Point	Depth (ft-bgs)	Sample Date	Sample Type	Soil Type	Saturated/ Unsaturated	Analytical Method	Iso-propyl-benzene	Isopropy-ltoluene, 4-	Methylene bromide	Methylene chloride	Naph-thalene	Propyl-benzene, 1-	Styrene	Tetra-chloro-ethane, 1,1,1,2-	Tetra-chloro-ethane, 1,1,2,2-	Tetra-chloro-ethene	Trichloro-benzene, 1,2,3-	Trichloro-benzene, 1,2,4-	Trichloro-ethane, 1,1,1-	Trichloro-ethane, 1,1,2-	Trichloro-ethene	Trichloro-fluoro-methane	Trichloro-propane, 1,2,3-	Trimethyl-benzene, 1,2,4-	Trimethyl-benzene, 1,3,5-	Vinyl chloride
TB4-015	6	12/1/1997	Primary	Fill	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002
TB4-015	11	12/2/1997	Primary	Fill	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002
TB4-015	20	12/2/1997	Primary	Fill/Brown	Saturated	EPA 8260B	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002
TB4-015	30	12/2/1997	Primary	Bedrock	Saturated	EPA 8260B	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002
TB4-017	36	3/3/1998	Primary	Fill/Brown	Saturated	EPA 8260	<0.005	<0.005	<0.005	**0.01**	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.003
TB4-017	41	3/3/1998	Primary	Fill/Brown	Saturated	EPA 8260	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.003
TB4-017	41	3/3/1998	Duplicate	Fill/Brown	Saturated	EPA 8260	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.003
TB4-017	46	3/3/1998	Primary	Fill/Brown	Saturated	EPA 8260	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.003
TB5-001	1	12/2/1997	Primary	Fill/Brown	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002
TB5-001	6	12/2/1997	Primary	Fill/Green	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002
TB5-001	10	12/2/1997	Primary	Bedrock	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002
TB5-001	15	12/2/1997	Primary	Bedrock	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002
TB5-002	1	11/26/1997	Primary	Fill	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002
TB5-002	6	11/26/1997	Primary	Fill	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002
TB5-002	10	11/26/1997	Primary	Fill	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002
TB5-003	1	11/26/1997	Primary	Fill/Brown	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002
TB5-003	6	11/26/1997	Primary	Bedrock	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002
TB5-003	10	11/26/1997	Primary	Bedrock	Saturated	EPA 8260B	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002
TS1-017	1	12/9/1997	Primary	Fill	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002
TS1-018	1	12/9/1997	Primary	Fill	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002
TS1-019	1	12/9/1997	Primary	Fill	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002
TS4-016	1	12/10/1997	Primary	Fill	Unsaturated	EPA 8260B	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002
Fluor Daniel GTI, 1998, Phase II Environmental Site Assessment Addendum, Potrero Power Plant, September--Analytical results reported in wet weight																										
TB1-030	1	6/30/1998	Primary	Fill	Unsaturated	EPA 8260	<0.005	<0.005	<0.005	<0.01	**0.063**	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	**0.0022**	<0.005	<0.003
TB1-030	1	6/30/1998	Duplicate	Fill	Unsaturated	EPA 8260	<0.005	<0.005	<0.005	<0.01	**0.03**	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.003
TB1-030	8	6/30/1998	Primary	Fill	Unsaturated	EPA 8260	<0.019	<0.019	<0.019	<0.038	**0.051**	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	<0.012
TB1-030	10	6/30/1998	Primary	Fill	Unsaturated	EPA 8260	<0.005	<0.005	<0.005	**0.0049**	**0.007**	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.003
TB1-030	10	6/30/1998	Duplicate	Fill	Unsaturated	EPA 8260	<0.005	<0.005	<0.005	**0.0054**	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.003
TB1-030	15	6/30/1998	Primary	Fill	Saturated	EPA 8260	<0.025	<0.025	<0.025	<0.05	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.015
TB1-030	20	6/30/1998	Primary	Fill	Saturated	EPA 8260	<0.005	<0.005	<0.005	**0.002**	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.003
TB1-030	25	6/30/1998	Primary	Bay Mud	Saturated	EPA 8260	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.003

TABLE C-5

SUMMARY OF ANALYTICAL RESULTS FOR SEMIVOLATILE ORGANIC COMPOUNDS (SVOCs) IN SOIL SAMPLES[1]

Potrero Power Plant

San Francisco, California

All concentrations are presented in milligrams per kilogram (mg/kg)

Sample Point	Depth (ft-bgs)	Sample Date	Sample Type	Soil Type	Relation to Water Table	Analytical Method	Total Distilled Phenols	Chloro-phenol, 2-	Dichloro-phenol, 2,4-	Dichloro-phenol, 2,6-	Dimethyl-phenol, 2,4-	Dinitro-2-methyl-phenol, 4,6-	Dinitro-phenol, 2,4-	Methyl-phenol, 2-	Methyl-phenol, 3-	Methyl-phenol, 4-chloro-3-	Nitro-phenol, 2-	Nitro-phenol, 4-	Penta-chloro-phenol	Phenol	Trichloro-phenol, 2,4,6-
Ecology & the Environment, 1991, Preliminary Endangerment Assessment, Potrero Power Plant, October 16--Analytical results reported in dry weight																					
B-POT-1	2.5	2/28/1991	Primary	Fill	Unsaturated	EPA 420	<0.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B-POT-1	9	2/28/1991	Primary	Bedrock	Unsaturated	EPA 420	<0.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B-POT-2	4.5	2/27/1991	Primary	Bedrock	Unsaturated	EPA 420	<0.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B-POT-2	6.5	2/27/1991	Primary	Bedrock	Unsaturated	EPA 420	<0.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B-POT-3	3.5	2/22/1991	Primary	Fill/Brown	Unsaturated	EPA 420	<0.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B-POT-3	6	2/22/1991	Primary	Fill/Green	Unsaturated	EPA 420	<0.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B-POT-3	10	2/22/1991	Primary	Fill/Brown	Unsaturated	EPA 420	<0.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B-POT-3	12	2/22/1991	Primary	Fill/Green	Saturated	EPA 420	**0.56**	--	--	--	--	--	--	--	--	--	--	--	--	--	--
POT-9	3.5	3/4/1991	Primary	Bedrock	Unsaturated	EPA 420	<0.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--
POT-9	5.5	3/4/1991	Primary	Bedrock	Unsaturated	EPA 420	<0.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--
POT-9	10	3/4/1991	Primary	Bedrock	Unsaturated	EPA 420	<0.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--
POT-9	25	3/4/1991	Primary	Bedrock	Saturated	EPA 420	<0.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--
POT-14	3.5	3/5/1991	Primary	Fill/Brown	Unsaturated	EPA 420	<0.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--
POT-14	6	3/5/1991	Primary	Interface	Saturated	EPA 420	<0.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--
POT-14	20.5	3/5/1991	Primary	Bedrock	Saturated	EPA 420	<0.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--
POT-15	3.5	3/1/1991	Primary	Fill	Unsaturated	EPA 420	<0.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--
POT-15	5.5	3/1/1991	Primary	Fill	Unsaturated	EPA 420	<0.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--
POT-15	8.5	3/1/1991	Primary	Fill	Unsaturated	EPA 420	<0.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--
POT-15	16.5	3/1/1991	Primary	Fill	Saturated	EPA 420	<0.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SS-APT-1	0.5	2/25/1991	Primary	Fill	Unsaturated	EPA 420	<0.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SS-POT-1	0.5	3/1/1991	Primary	Fill	Unsaturated	EPA 420	<0.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SS-POT-3	0.5	3/5/1991	Primary	Fill	Unsaturated	EPA 420	<0.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SS-POT-6	0.5	3/5/1991	Primary	Fill	Unsaturated	EPA 420	<0.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fluor Daniel GTI, 1998, Phase II Environmental Site Assessment, Potrero Power Plant, June--Analytical results reported in wet weight																					
TB1-001	1	12/8/1997	Primary	Fill/Brown	Unsaturated	EPA 8270C	--	<9.9	<9.9	<9.9	<9.9	<48	<48	<9.9	<9.9	<19.8	<9.9	<48	<48	<9.9	<9.9
TB1-001	6	12/8/1997	Primary	Fill/Green	Unsaturated	EPA 8270C	--	<3.3	<3.3	<3.3	<3.3	<16	<16	<3.3	<3.3	<6.6	<3.3	<16	<16	<3.3	<3.3
TB1-001	11	12/8/1997	Primary	Bedrock	Unsaturated	EPA 8270C	--	<0.327	<0.327	<0.327	<0.327	<1.58	<1.58	<0.327	<0.327	<0.653	<0.327	<1.58	<1.58	<0.327	<0.327
TB1-002	1	12/4/1997	Primary	Fill/Green	Unsaturated	EPA 8270C	--	<33	<33	<33	<33	<160	<160	<33	<33	<66	<33	<160	<160	<33	<33
TB1-002	1	12/4/1997	Duplicate	Fill/Green	Unsaturated	EPA 8270C	--	<33	<33	<33	<33	<160	<160	<33	<33	<66	<33	<160	<160	<33	<33
TB1-002	6	12/9/1997	Primary	Fill/Green	Unsaturated	EPA 8270C	--	<0.323	<0.323	<0.323	<0.323	<1.57	<1.57	<0.323	<0.323	<0.647	<0.323	<1.57	<1.57	<0.323	<0.323
TB1-002	6	12/9/1997	Duplicate	Fill/Green	Unsaturated	EPA 8270C	--	<0.33	<0.33	<0.33	<0.33	<1.6	<1.6	<0.33	<0.33	<0.66	<0.33	<1.6	<1.6	<0.33	<0.33
TB1-002	11	12/9/1997	Primary	Fill/Green	Unsaturated	EPA 8270C	--	<0.66	<0.66	<0.66	<0.66	<3.2	<3.2	<0.66	<0.66	<1.3	<0.66	<3.2	<3.2	<0.66	<0.66
TB1-002 [2]	16	12/9/1997	Primary	Fill/Green	Saturated	EPA 8270C	--	<0.66	<0.66	<0.66	<0.66	<3.2	<3.2	<0.66	<0.66	<1.3	<0.66	<3.2	<3.2	<0.66	<0.66
TB1-002	22	12/9/1997	Primary	Fill/Green	Saturated	EPA 8270C	--	<0.66	<0.66	<0.66	<0.66	<3.2	<3.2	<0.66	<0.66	<1.3	<0.66	<3.2	<3.2	<0.66	<0.66
TB1-003	1	11/25/1997	Primary	Fill	Unsaturated	EPA 8270C	--	<0.326	<0.326	<0.326	<0.326	<1.58	<1.58	<0.326	<0.326	<0.651	<0.326	<1.58	<1.58	<0.326	<0.326
TB1-003	9	12/10/1997	Primary	Fill/Green	Unsaturated	EPA 8270C	--	<0.33	<0.33	<0.33	<0.33	<1.6	<1.6	<0.33	<0.33	<0.66	<0.33	<1.6	<1.6	<0.33	<0.33
TB1-003	13	12/10/1997	Primary	Fill/Green	Saturated	EPA 8270C	--	<0.33	<0.33	<0.33	<0.33	<1.6	<1.6	<0.33	<0.33	<0.66	<0.33	<1.6	<1.6	<0.33	<0.33
TB1-008	1	12/4/1997	Primary	Fill/Brown	Unsaturated	EPA 8270C	--	<3.3	<3.3	<3.3	<3.3	<16	<16	<3.3	<3.3	<6.6	<3.3	<16	<16	<3.3	<3.3
TB1-008	6	12/4/1997	Primary	Fill/Brown	Unsaturated	EPA 8270C	--	<0.33	<0.33	<0.33	<0.33	<1.6	<1.6	<0.33	<0.33	<0.66	<0.33	<1.6	<1.6	<0.33	<0.33
TB1-008	11	12/4/1997	Primary	Fill/Green	Unsaturated	EPA 8270C	--	<0.33	<0.33	<0.33	<0.33	<1.6	<1.6	<0.33	<0.33	<0.66	<0.33	<1.6	<1.6	<0.33	<0.33
TB1-009	1	10/15/1997	Primary	Fill	Unsaturated	EPA 8270C	--	<0.33	<0.33	<0.33	<0.33	<1.6	<1.6	<0.33	<0.33	<0.66	<0.33	<1.6	<1.6	<0.33	<0.33
TB1-009	8	10/15/1997	Primary	Fill	Unsaturated	EPA 8270C	--	<0.33	<0.33	<0.33	<0.33	<1.6	<1.6	<0.33	<0.33	<0.66	<0.33	<1.6	<1.6	<0.33	<0.33
TB1-009	15	10/15/1997	Primary	Fill	Saturated	EPA 8270C	--	<0.99	<0.99	<0.99	<0.99	<4.8	<4.8	<0.99	<0.99	<1.98	<0.99	<4.8	<4.8	<0.99	<0.99
TB1-009	20	10/15/1997	Primary	Fill	Saturated	EPA 8270C	--	<3.3	<3.3	<3.3	<3.3	<16	<16	<3.3	<3.3	<6.6	<3.3	<16	<16	<3.3	<3.3
TB1-009	25	10/23/1997	Primary	Bedrock	Saturated	EPA 8270C	--	<0.33	<0.33	<0.33	<0.33	<1.6	<1.6	<0.33	<0.33	<0.66	<0.33	<1.6	<1.6	<0.33	<0.33
TB1-009	25	10/23/1997	Duplicate	Bedrock	Saturated	EPA 8270C	--	<0.33	<0.33	<0.33	<0.33	<1.6	<1.6	<0.33	<0.33	<0.66	<0.33	<1.6	<1.6	<0.33	<0.33
TB1-010	1	12/9/1997	Primary	Fill/Brown	Unsaturated	EPA 8270C	--	<0.327	<0.327	<0.327	<0.327	<1.58	<1.58	<0.327	<0.327	<0.653	<0.327	<1.58	<1.58	<0.327	<0.327
TB1-010	6	12/9/1997	Primary	Fill	Unsaturated	EPA 8270C	--	<0.33	<0.33	<0.33	<0.33	<1.6	<1.6	<0.33	<0.33	<0.66	<0.33	<1.6	<1.6	<0.33	<0.33
TB1-010	11	12/9/1997	Primary	Fill	Unsaturated	EPA 8270C	--	<0.323	<0.323	<0.323	<0.323	<1.57	<1.57	<0.323	<0.323	<0.647	<0.323	<1.57	<1.57	<0.323	<0.323
TB1-011	1	12/9/1997	Duplicate	Fill/Brown	Unsaturated	EPA 8270C	--	<0.329	<0.329	<0.329	<0.329	<1.6	<1.6	<0.329	<0.329	<0.658	<0.329	<1.6	<1.6	<0.329	<0.329
TB1-011	1	12/9/1997	Primary	Fill/Brown	Unsaturated	EPA 8270C	--	<0.33	<0.33	<0.33	<0.33	<1.6	<1.6	<0.33	<0.33	<0.66	<0.33	<1.6	<1.6	<0.33	<0.33
TB1-011	9	12/9/1997	Primary	Bedrock	Unsaturated	EPA 8270C	--	<0.327	<0.327	<0.327	<0.327	<1.58	<1.58	<0.327	<0.327	<0.653	<0.327	<1.58	<1.58	<0.327	<0.327
TB1-011	13	12/9/1997	Primary	Bedrock	Unsaturated	EPA 8270C	--	<0.327	<0.327	<0.327	<0.327	<1.58	<1.58	<0.327	<0.327	<0.653	<0.327	<1.58	<1.58	<0.327	<0.327
TB1-012	1	11/25/1997	Primary	Fill/Green	Unsaturated	EPA 8270C	--	<0.99	<0.99	<0.99	<0.99	<4.8	<4.8	<0.99	<0.99	<1.98	<0.99	<4.8	<4.8	<0.99	<0.99
TB1-012	1	12/8/1997	Duplicate	Fill/Green	Unsaturated	EPA 8270C	--	<0.323	<0.323	<0.323	<0.323	<1.57	<1.57	<0.323	<0.323	<0.647	<0.323	<1.57	<1.57	<0.323	<0.323
TB1-012	1	12/8/1997	Primary	Fill/Green	Unsaturated	EPA 8270C	--	<0.33	<0.33	<0.33	<0.33	<1.6	<1.6	<0.33	<0.33	<0.66	<0.33	<1.6	<1.6	<0.33	<0.33
TB1-012	6	12/8/1997	Primary	Fill/Green	Unsaturated	EPA 8270C	--	<0.33	<0.33	<0.33	<0.33	<1.6	<1.6	<0.33	<0.33	<0.66	<0.33	<1.6	<1.6	<0.33	<0.33
TB1-012	10	12/8/1997	Primary	Fill/Green	Unsaturated	EPA 8270C	--	<3.21	<3.21	<3.21	<3.21	<15.6	<15.6	<3.21	<3.21	<6.43	<3.21	<15.6	<15.6	<3.21	<3.21

TABLE C-5

SUMMARY OF ANALYTICAL RESULTS FOR SEMIVOLATILE ORGANIC COMPOUNDS (SVOCs) IN SOIL SAMPLES[1]

Potrero Power Plant

San Francisco, California

All concentrations are presented in milligrams per kilogram (mg/kg)

Sample Point	Depth (ft-bgs)	Sample Date	Sample Type	Soil Type	Relation to Water Table	Analytical Method	Total Distilled Phenols	Chloro-phenol, 2-	Dichloro-phenol, 2,4-	Dichloro-phenol, 2,6-	Dimethyl-phenol, 2,4-	Dinitro-2-methyl-phenol, 4,6-	Dinitro-phenol, 2,4-	Methyl-phenol, 2-	Methyl-phenol, 3-	Methyl-phenol, 4-chloro-3-	Nitro-phenol, 2-	Nitro-phenol, 4-	Penta-chloro-phenol	Phenol	Trichloro-phenol, 2,4,6-
TB2-001	1	11/26/1997	Duplicate	Fill/Green	Unsaturated	EPA 8270C	--	<0.328	<0.328	<0.328	<0.328	<1.59	<1.59	<0.328	<0.328	<0.656	<0.328	<1.59	<1.59	<0.328	<0.328
TB2-001	1	11/26/1997	Primary	Fill/Green	Unsaturated	EPA 8270C	--	<0.33	<0.33	<0.33	<0.33	<1.6	<1.6	<0.33	<0.33	<0.66	<0.33	<1.6	<1.6	<0.33	<0.33
TB2-001	7	11/26/1997	Primary	Bedrock	Unsaturated	EPA 8270C	--	<0.321	<0.321	<0.321	<0.321	<1.56	<1.56	<0.321	<0.321	<0.643	<0.321	<1.56	<1.56	<0.321	<0.321
TB2-001	12	11/26/1997	Primary	Bedrock	Unsaturated	EPA 8270C	--	<0.66	<0.66	<0.66	<0.66	<3.2	<3.2	<0.66	<0.66	<1.32	<0.66	<3.2	<3.2	<0.66	<0.66
TB2-002	1	11/26/1997	Primary	Fill/Brown	Unsaturated	EPA 8270C	--	<0.327	<0.327	<0.327	<0.327	<1.58	<1.58	<0.327	<0.327	<0.653	<0.327	<1.58	<1.58	<0.327	<0.327
TB2-002	7	11/26/1997	Primary	Fill/Green	Unsaturated	EPA 8270C	--	<0.329	<0.329	<0.329	<0.329	<1.6	<1.6	<0.329	<0.329	<0.659	<0.329	<1.6	<1.6	<0.329	<0.329
TB2-002	12	11/26/1997	Primary	Fill/Green	Unsaturated	EPA 8270C	--	<0.33	<0.33	<0.33	<0.33	<1.6	<1.6	<0.33	<0.33	<0.66	<0.33	<1.6	<1.6	<0.33	<0.33
TB2-003	1	12/2/1997	Primary	Fill/Green	Unsaturated	EPA 8270C	--	<0.66	<0.66	<0.66	<0.66	<3.2	<3.2	<0.66	<0.66	<1.32	<0.66	<3.2	<3.2	<0.66	<0.66
TB2-003	6	12/2/1997	Primary	Bedrock	Unsaturated	EPA 8270C	--	<0.329	<0.329	<0.329	<0.329	<1.6	<1.6	<0.329	<0.329	<0.658	<0.329	<1.6	<1.6	<0.329	<0.329
TB2-003	10	12/2/1997	Primary	Bedrock	Unsaturated	EPA 8270C	--	<0.328	<0.328	<0.328	<0.328	<1.59	<1.59	<0.328	<0.328	<0.656	<0.328	<1.59	<1.59	<0.328	<0.328
TB2-004	2	11/26/1997	Primary	Fill	Unsaturated	EPA 8270C	--	<0.33	<0.33	<0.33	<0.33	<1.6	<1.6	<0.33	<0.33	<0.66	<0.33	<1.6	<1.6	<0.33	<0.33
TB2-004	6	11/26/1997	Primary	Bedrock	Unsaturated	EPA 8270C	--	<0.328	<0.328	<0.328	<0.328	<1.59	<1.59	<0.328	<0.328	<0.656	<0.328	<1.59	<1.59	<0.328	<0.328
TB2-004	10	11/26/1997	Duplicate	Bedrock	Unsaturated	EPA 8270C	--	<0.329	<0.329	<0.329	<0.329	<1.6	<1.6	<0.329	<0.329	<0.658	<0.329	<1.6	<1.6	<0.329	<0.329
TB2-004	10	11/26/1997	Primary	Bedrock	Unsaturated	EPA 8270C	--	<0.33	<0.33	<0.33	<0.33	<1.6	<1.6	<0.33	<0.33	<0.66	<0.33	<1.6	<1.6	<0.33	<0.33
TB2-005	1	11/21/1997	Primary	Fill/Green	Unsaturated	EPA 8270C	--	<0.33	<0.33	<0.33	<0.33	<1.6	<1.6	<0.33	<0.33	<0.66	<0.33	<1.6	<1.6	<0.33	<0.33
TB2-005	6	11/25/1997	Duplicate	Bedrock	Unsaturated	EPA 8270C	--	<0.328	<0.328	<0.328	<0.328	<1.59	<1.59	<0.328	<0.328	<0.656	<0.328	<1.59	<1.59	<0.328	<0.328
TB2-005	6	11/25/1997	Primary	Bedrock	Unsaturated	EPA 8270C	--	<0.66	<0.66	<0.66	<0.66	<3.2	<3.2	<0.66	<0.66	<1.32	<0.66	<3.2	<3.2	<0.66	<0.66
TB2-005	10	11/25/1997	Primary	Bedrock	Unsaturated	EPA 8270C	--	<0.66	<0.66	<0.66	<0.66	<3.2	<3.2	<0.66	<0.66	<1.32	<0.66	<3.2	<3.2	<0.66	<0.66
TB2-006	1	11/21/1997	Primary	Fill/Brown	Unsaturated	EPA 8270C	--	<0.326	<0.326	<0.326	<0.326	<1.58	<1.58	<0.326	<0.326	<0.651	<0.326	<1.58	<1.58	<0.326	<0.326
TB2-006	10	11/21/1997	Primary	Bedrock	Unsaturated	EPA 8270C	--	<0.327	<0.327	<0.327	<0.327	<1.58	<1.58	<0.327	<0.327	<0.653	<0.327	<1.58	<1.58	<0.327	<0.327
TB4-002	1	12/8/1997	Primary	Fill/Brown	Unsaturated	EPA 8270C	--	<3.22	<3.22	<3.22	<3.22	<15.6	<15.6	<3.22	<3.22	<6.45	<3.22	<15.6	<15.6	<3.22	<3.22
TB4-002	1	12/8/1997	Duplicate	Fill/Brown	Unsaturated	EPA 8270C	--	<3.3	<3.3	<3.3	<3.3	<16	<16	<3.3	<3.3	<6.6	<3.3	<16	<16	<3.3	<3.3
TB4-002	6	12/8/1997	Primary	Bedrock	Unsaturated	EPA 8270C	--	<0.33	<0.33	<0.33	<0.33	<1.6	<1.6	<0.33	<0.33	<0.66	<0.33	<1.6	<1.6	<0.33	<0.33
TB4-003	1	11/26/1997	Primary	Fill/Brown	Unsaturated	EPA 8270C	--	<3.3	<3.3	<3.3	<3.3	<16	<16	<3.3	<3.3	<6.6	<3.3	<16	<16	<3.3	<3.3
TB4-003	7	11/26/1997	Primary	Fill/Green	Saturated	EPA 8270C	--	<0.99	<0.99	<0.99	<0.99	<4.8	<4.8	<0.99	<0.99	<1.98	<0.99	<4.8	<4.8	<0.99	<0.99
TB4-003	12	12/1/1997	Primary	Bedrock	Saturated	EPA 8270C	--	<0.33	<0.33	<0.33	<0.33	<1.6	<1.6	<0.33	<0.33	<0.66	<0.33	<1.6	<1.6	<0.33	<0.33
TB4-004	1	12/8/1997	Primary	Fill/Brown	Unsaturated	EPA 8270C	--	<3.25	<3.25	<3.25	<3.25	<15.7	<15.7	<3.25	<3.25	<6.49	<3.25	<15.7	<15.7	<3.25	<3.25
TB4-004	7	12/8/1997	Primary	Interface	Unsaturated	EPA 8270C	--	<3.2	<3.2	<3.2	<3.2	<15.5	<15.5	<3.2	<3.2	<6.4	<3.2	<15.5	<15.5	<3.2	<3.2
TB4-004	11	12/8/1997	Primary	Bedrock	Unsaturated	EPA 8270C	--	<0.323	<0.323	<0.323	<0.323	<1.57	<1.57	<0.323	<0.323	<0.647	<0.323	<1.57	<1.57	<0.323	<0.323
TB4-005	1	12/3/1997	Duplicate	Fill/Brown	Unsaturated	EPA 8270C	--	<3.22	<3.22	<3.22	<3.22	<15.6	<15.6	<3.22	<3.22	<6.45	<3.22	<15.6	<15.6	<3.22	<3.22
TB4-005	1	12/3/1997	Primary	Fill/Brown	Unsaturated	EPA 8270C	--	<6.6	<6.6	<6.6	<6.6	<32	<32	<6.6	<6.6	<13.2	<6.6	<32	<32	<6.6	<6.6
TB4-005	6	12/3/1997	Primary	Bedrock	Unsaturated	EPA 8270C	--	<0.33	<0.33	<0.33	<0.33	<1.6	<1.6	<0.33	<0.33	<0.66	<0.33	<1.6	<1.6	<0.33	<0.33
TB4-005	10	12/3/1997	Primary	Bedrock	Unsaturated	EPA 8270C	--	<0.33	<0.33	<0.33	<0.33	<1.6	<1.6	<0.33	<0.33	<0.66	<0.33	<1.6	<1.6	<0.33	<0.33
TB4-005	15	12/3/1997	Primary	Bedrock	Saturated	EPA 8270C	--	<0.33	<0.33	<0.33	<0.33	<1.6	<1.6	<0.33	<0.33	<0.66	<0.33	<1.6	<1.6	<0.33	<0.33
TB4-006	1	12/3/1997	Primary	Fill/Brown	Unsaturated	EPA 8270C	--	<1.65	<1.65	<1.65	<1.65	<8	<8	<1.65	<1.65	<3.3	<1.65	<8	<8	<1.65	<1.6
TB4-006	6	12/3/1997	Primary	Bedrock	Unsaturated	EPA 8270C	--	<0.322	<0.322	<0.322	<0.322	<1.56	<1.56	<0.322	<0.322	<0.645	<0.322	<1.56	<1.56	<0.322	<0.322
TB4-006	10	12/3/1997	Primary	Bedrock	Unsaturated	EPA 8270C	--	<0.33	<0.33	<0.33	<0.33	<1.6	<1.6	<0.33	<0.33	<0.66	<0.33	<1.6	<1.6	<0.33	<0.33
TB4-006	15	12/3/1997	Primary	Bedrock	Saturated	EPA 8270C	--	<0.33	<0.33	<0.33	<0.33	<1.6	<1.6	<0.33	<0.33	<0.66	<0.33	<1.6	<1.6	<0.33	<0.33
TB4-007	2	12/8/1997	Primary	Fill/Brown	Unsaturated	EPA 8270C	--	<9.9	<9.9	<9.9	<9.9	<48	<48	<9.9	<9.9	<19.8	<9.9	<48	<48	<9.9	<9.9
TB4-007	6	12/8/1997	Primary	Fill/Brown	Unsaturated	EPA 8270C	--	<9.9	<9.9	<9.9	<9.9	<48	<48	<9.9	<9.9	<19.8	<9.9	<48	<48	<9.9	<9.9
TB4-007	20	12/8/1997	Primary	Bedrock	Saturated	EPA 8270C	--	<9.9	<9.9	<9.9	<9.9	<48	<48	<9.9	<9.9	<19.8	<9.9	<48	<48	<9.9	<9.9
TB4-008	1	12/4/1997	Primary	Fill/Brown	Unsaturated	EPA 8270C	--	<33	<33	<33	<33	<160	<160	<33	<33	<66	<33	<160	<160	<33	<33
TB4-008	1	12/4/1997	Duplicate	Fill/Brown	Unsaturated	EPA 8270C	--	<6.6	<6.6	<6.6	<6.6	<32	<32	<6.6	<6.6	<13.2	<6.6	<32	<32	<6.6	<6.6
TB4-008	4	12/4/1997	Primary	Fill/Green	Unsaturated	EPA 8270C	--	<33	<33	<33	<33	<160	<160	<33	<33	<66	<33	<160	<160	<33	<33
TB4-008	6	12/4/1997	Primary	Fill	Unsaturated	EPA 8270C	--	<0.327	<0.327	<0.327	<0.327	<1.58	<1.58	<0.327	<0.327	<0.653	<0.327	<1.58	<1.58	<0.327	<0.327
TB4-008	10	12/4/1997	Primary	Fill	Unsaturated	EPA 8270C	--	<0.323	<0.323	<0.323	<0.323	<1.57	<1.57	<0.323	<0.323	<0.647	<0.323	<1.57	<1.57	<0.323	<0.323
TB4-008	15	12/4/1997	Primary	Fill	Saturated	EPA 8270C	--	<0.66	<0.66	<0.66	<0.66	<3.2	<3.2	<0.66	<0.66	<1.32	<0.66	<3.2	<3.2	<0.66	<0.66
TB4-008	20	12/4/1997	Primary	Fill/Green	Saturated	EPA 8270C	--	<9.9	<9.9	<9.9	<9.9	<48	<48	<9.9	<9.9	<19.8	<9.9	<48	<48	<9.9	<9.9
TB4-008	30	12/4/1997	Primary	Fill/Brown	Saturated	EPA 8270C	--	<1.63	<1.63	<1.63	<1.63	<7.92	<7.92	<1.63	<1.63	<3.27	<1.63	<7.92	<7.92	<1.63	<1.6
TB4-009	1	12/2/1997	Primary	Fill/Brown	Unsaturated	EPA 8270C	--	<6.6	<6.6	<6.6	<6.6	<32	<32	<6.6	<6.6	<13.2	<6.6	<32	<32	<6.6	<6.6
TB4-009	1	12/2/1997	Duplicate	Fill/Brown	Unsaturated	EPA 8270C	--	<6.6	<6.6	<6.6	<6.6	<32	<32	<6.6	<6.6	<13.2	<6.6	<32	<32	<6.6	<6.6
TB4-009	6	12/2/1997	Primary	Fill/Brown	Unsaturated	EPA 8270C	--	<0.33	<0.33	<0.33	<0.33	<1.6	<1.6	<0.33	<0.33	<0.66	<0.33	<1.6	<1.6	<0.33	<0.33
TB4-009	11	12/2/1997	Primary	Bedrock	Unsaturated	EPA 8270C	--	<0.325	<0.325	<0.325	<0.325	<1.57	<1.57	<0.325	<0.325	<0.649	<0.325	<1.57	<1.57	<0.325	<0.325
TB4-009	16	12/2/1997	Primary	Bedrock	Unsaturated	EPA 8270C	--	<0.33	<0.33	<0.33	<0.33	<1.6	<1.6	<0.33	<0.33	<0.66	<0.33	<1.6	<1.6	<0.33	<0.33
TB4-009	21	12/2/1997	Primary	Bedrock	Unsaturated	EPA 8270C	--	<0.33	<0.33	<0.33	<0.33	<1.6	<1.6	<0.33	<0.33	<0.66	<0.33	<1.6	<1.6	<0.33	<0.33
TB4-010	1	12/2/1997	Primary	Fill/Green	Unsaturated	EPA 8270C	--	<0.66	<0.66	<0.66	<0.66	<3.2	<3.2	<0.66	<0.66	<1.32	<0.66	<3.2	<3.2	<0.66	<0.66
TB4-010	6	12/2/1997	Primary	Fill/Green	Unsaturated	EPA 8270C	--	<0.321	<0.321	<0.321	<0.321	<1.56	<1.56	<0.321	<0.321	<0.643	<0.321	<1.56	<1.56	<0.321	<0.321
TB4-010	10	12/3/1997	Primary	Fill/Green	Unsaturated	EPA 8270C	--	<0.66	<0.66	<0.66	<0.66	<3.2	<3.2	<0.66	<0.66	<1.32	<0.66	<3.2	<3.2	<0.66	<0.66
TB4-011	1	12/3/1997	Duplicate	Fill/Brown	Unsaturated	EPA 8270C	--	<3.2	<3.2	<3.2	<3.2	<15.5	<15.5	<3.2	<3.2	<6.4	<3.2	<15.5	<15.5	<3.2	<3.2

TABLE C-5

SUMMARY OF ANALYTICAL RESULTS FOR SEMIVOLATILE ORGANIC COMPOUNDS (SVOCs) IN SOIL SAMPLES[1]

Potrero Power Plant

San Francisco, California

All concentrations are presented in milligrams per kilogram (mg/kg)

Sample Point	Depth (ft-bgs)	Sample Date	Sample Type	Soil Type	Relation to Water Table	Analytical Method	Total Distilled Phenols	Chloro-phenol, 2-	Dichloro-phenol, 2,4-	Dichloro-phenol, 2,6-	Dimethyl-phenol, 2,4-	Dinitro-2-methyl-phenol, 4,6-	Dinitro-phenol, 2,4-	Methyl-phenol, 2-	Methyl-phenol, 3-	Methyl-phenol, 4-chloro-3-	Nitro-phenol, 2-	Nitro-phenol, 4-	Penta-chloro-phenol	Phenol	Trichloro-phenol, 2,4,6-
TB4-011	1	12/3/1997	Primary	Fill/Brown	Unsaturated	EPA 8270C	--	<3.3	<3.3	<3.3	<3.3	<16	<16	<3.3	<3.3	<6.6	<3.3	<16	<16	<3.3	<3.3
TB4-011	6	12/3/1997	Primary	Fill/Green	Unsaturated	EPA 8270C	--	<3.27	<3.27	<3.27	<3.27	<15.8	<15.8	<3.27	<3.27	<6.53	<3.27	<15.8	<15.8	<3.27	<3.27
TB4-011	11	12/3/1997	Primary	Fill/Green	Unsaturated	EPA 8270C	--	<6.6	<6.6	<6.6	<6.6	<32	<32	<6.6	<6.6	<13.2	<6.6	<32	<32	<6.6	<6.6
TB4-011	21	12/3/1997	Primary	Fill	Saturated	EPA 8270C	--	<45	<45	<45	<45	<218	<218	<45	<45	<90	<45	<218	<218	<45	<45
TB4-011	26	12/3/1997	Primary	Bedrock	Saturated	EPA 8270C	--	<0.33	<0.33	<0.33	<0.33	<1.6	<1.6	<0.33	<0.33	<0.66	<0.33	<1.6	<1.6	<0.33	<0.33
TB4-012	3	12/1/1997	Primary	Fill/Green	Unsaturated	EPA 8270C	--	<0.33	<0.33	<0.33	<0.33	<1.6	<1.6	<0.33	<0.33	<0.66	<0.33	<1.6	<1.6	<0.33	<0.33
TB4-012	6	12/1/1997	Primary	Fill/Green	Unsaturated	EPA 8270C	--	<0.33	<0.33	<0.33	<0.33	<1.6	<1.6	<0.33	<0.33	<0.66	<0.33	<1.6	<1.6	<0.33	<0.33
TB4-012	10	12/1/1997	Primary	Fill/Green	Unsaturated	EPA 8270C	--	<0.33	<0.33	<0.33	<0.33	<1.6	<1.6	<0.33	<0.33	<0.66	<0.33	<1.6	<1.6	<0.33	<0.33
TB4-013	1	12/1/1997	Primary	Fill/Brown	Unsaturated	EPA 8270C	--	<3.3	<3.3	<3.3	<3.3	<16	<16	<3.3	<3.3	<6.6	<3.3	<16	<16	<3.3	<3.3
TB4-013	1	12/1/1997	Duplicate	Fill/Brown	Unsaturated	EPA 8270C	--	<3.3	<3.3	<3.3	<3.3	<16	<16	<3.3	<3.3	<6.6	<3.3	<16	<16	<3.3	<3.3
TB4-013	6	12/1/1997	Primary	Fill/Brown	Saturated	EPA 8270C	--	<6.6	<6.6	<6.6	<6.6	<32	<32	<6.6	<6.6	<13.2	<6.6	<32	<32	<6.6	<6.6
TB4-013	11	12/1/1997	Primary	Bedrock	Saturated	EPA 8270C	--	<0.33	<0.33	<0.33	<0.33	<1.6	<1.6	<0.33	<0.33	<0.66	<0.33	<1.6	<1.6	<0.33	<0.33
TB4-014	1	12/3/1997	Primary	Fill/Brown	Unsaturated	EPA 8270C	--	<3.23	<3.23	<3.23	<3.23	<15.7	<15.7	<3.23	<3.23	<6.47	<3.23	<15.7	<15.7	<3.23	<3.23
TB4-014	6	12/3/1997	Primary	Fill/Brown	Unsaturated	EPA 8270C	--	<3.25	<3.25	<3.25	<3.25	<15.7	<15.7	<3.25	<3.25	<6.49	<3.25	<15.7	<15.7	<3.25	<3.25
TB4-014	11	12/3/1997	Primary	Fill/Brown	Unsaturated	EPA 8270C	--	<19.8	<19.8	<19.8	<19.8	<96	<96	<19.8	<19.8	<39.6	<19.8	<96	<96	<19.8	<19.8
TB4-014	21	12/3/1997	Primary	Bedrock	Saturated	EPA 8270C	--	<7.07	<7.07	<7.07	<7.07	<34.3	<34.3	<7.07	<7.07	<14.1	<7.07	<34.3	<34.3	<7.07	<7.07
TB4-015	1	12/1/1997	Primary	Fill	Unsaturated	EPA 8270C	--	<9.9	<9.9	<9.9	<9.9	<48	<48	<9.9	<9.9	<19.8	<9.9	<48	<48	<9.9	<9.9
TB4-015	6	12/1/1997	Primary	Fill	Unsaturated	EPA 8270C	--	<0.33	<0.33	<0.33	<0.33	<1.6	<1.6	<0.33	<0.33	<0.66	<0.33	<1.6	<1.6	<0.33	<0.33
TB4-015	11	12/2/1997	Primary	Fill	Unsaturated	EPA 8270C	--	<0.329	<0.329	<0.329	<0.329	<1.6	<1.6	<0.329	<0.329	<0.658	<0.329	<1.6	<1.6	<0.329	<0.329
TB4-015	20	12/2/1997	Primary	Fill/Brown	Saturated	EPA 8270C	--	<8.25	<8.25	<8.25	<8.25	<40	<40	<8.25	<8.25	<16.5	<8.25	<40	<40	<8.25	<8.25
TB4-015	30	12/2/1997	Primary	Bedrock	Saturated	EPA 8270C	--	<0.33	<0.33	<0.33	<0.33	<1.6	<1.6	<0.33	<0.33	<0.66	<0.33	<1.6	<1.6	<0.33	<0.33
TB5-001	1	12/2/1997	Primary	Fill/Brown	Unsaturated	EPA 8270C	--	<3.3	<3.3	<3.3	<3.3	<16	<16	<3.3	<3.3	<6.6	<3.3	<16	<16	<3.3	<3.3
TB5-001	6	12/2/1997	Primary	Fill/Green	Unsaturated	EPA 8270C	--	<0.33	<0.33	<0.33	<0.33	<1.6	<1.6	<0.33	<0.33	<0.66	<0.33	<1.6	<1.6	<0.33	<0.33
TB5-001	10	12/2/1997	Primary	Bedrock	Unsaturated	EPA 8270C	--	<0.321	<0.321	<0.321	<0.321	<1.56	<1.56	<0.321	<0.321	<0.643	<0.321	<1.56	<1.56	<0.321	<0.321
TB5-001	15	12/2/1997	Primary	Bedrock	Unsaturated	EPA 8270C	--	<0.33	<0.33	<0.33	<0.33	<1.6	<1.6	<0.33	<0.33	<0.66	<0.33	<1.6	<1.6	<0.33	<0.33
TB5-002	1	11/26/1997	Primary	Fill	Unsaturated	EPA 8270C	--	<3.26	<3.26	<3.26	<3.26	<15.8	<15.8	<3.26	<3.26	<6.51	<3.26	<15.8	<15.8	<3.26	<3.26
TB5-002	6	11/26/1997	Primary	Fill	Unsaturated	EPA 8270C	--	<3.3	<3.3	<3.3	<3.3	<16	<16	<3.3	<3.3	<6.6	<3.3	<16	<16	<3.3	<3.3
TB5-002	10	11/26/1997	Primary	Fill	Unsaturated	EPA 8270C	--	<3.28	<3.28	<3.28	<3.28	<15.9	<15.9	<3.28	<3.28	<6.56	<3.28	<15.9	<15.9	<3.28	<3.28
TB5-003	1	11/26/1997	Primary	Fill/Brown	Unsaturated	EPA 8270C	--	<3.26	<3.26	<3.26	<3.26	<15.8	<15.8	<3.26	<3.26	<6.51	<3.26	<15.8	<15.8	<3.26	<3.26
TB5-003	6	11/26/1997	Primary	Bedrock	Unsaturated	EPA 8270C	--	<0.66	<0.66	<0.66	<0.66	<3.2	<3.2	<0.66	<0.66	<1.32	<0.66	<3.2	<3.2	<0.66	<0.66
TB5-003	10	11/26/1997	Primary	Bedrock	Saturated	EPA 8270C	--	<0.33	<0.33	<0.33	<0.33	<1.6	<1.6	<0.33	<0.33	<0.66	<0.33	<1.6	<1.6	<0.33	<0.33

Notes:

1. Soil samples analyzed for semivolatile organic compounds (SVOCs) using EPA Method 8270C.
2. Sample TB1-002 at 16 feet bgs was also analyzed for the following compounds that were not detected above the laboratory analytical reporting limit: Azobenzene, Benzidine, Benzoic acid, Benzyl alcohol, Bis(2-chloroethoxy)methane, Bis(2-chloroethyl)ether, Bis(2-chloroisopropyl)ether, Bis(2-ethylhexyl)phthalate, 4-Bromophenyl phenyl ether, Butylbenzyl phthalate, 4-Chloroaniline, 2-Chloronaphthalene, 4-Chlorophenylphenylether, Dibenzofuran, 1,2-Dichlorobenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, 3,3'-Dichlorobenzidine, Diethyl phthalate, Dimethyl phthalate, Di-n-butyl phthalate, 2,4-Dinitrotoluene, 2,6-Dinitrotoluene, Di-n-octyl phthalate, Hexachlorobenzene, Hexachlorobutadiene, Hexachlorocyclopentadiene, Hexachloroethane, Isophorone, 2-Methylnaphthalene, 2-Nitroaniline, 3-Nitroaniline, 4-Nitroaniline, Nitrobenzene, N-Nitrosodimethylamine, N-Nitrosodi-N-propylamine, N-Nitrosodiphenylamine, and 1,2,4-Trichlorobenzene.
3. The results higlighted in green were sampled from the Station A PG&E Area.

Abbreviations

"Bold" = detected above the laboratory reporting limit
EPA = U.S. Environmental Protection Agency
feet bgs = feet below ground surface
-- = not analyzed
< = not detected above the laboratory reporting limit

TABLE C-6

SUMMARY OF ANALYTICAL RESULTS FOR TOTAL PETROLEUM HYDROCARBONS (TPH) IN SOIL SAMPLES [1]

Potrero Power Plant
San Francisco, California

All concentrations are presented in milligrams per kilogram (mg/kg)

Sample Point	Depth (ft-bgs)	Sample Date	Sample Type	Soil Type	Saturated/ Unsaturated	Analytical Method	TPH	TPH as gasoline	TPH as diesel	TPH as motor oil	Organics, diesel range	Organics, gasoline range
Ecology & the Environment, 1990, Site Characterization Report, Potrero Power Plant, October 26 [2, 3]												
T-5 [4]	2.5	1989	Unknown	Bedrock	Unsaturated	Unknown	ND	ND	ND	ND	--	--
T-10 [4]	2	1989	Unknown	Bedrock	Unsaturated	Unknown	ND	ND	ND	ND	--	--
B-1	1	11/9/1989	Drive-sample [5]	Fill	Unsaturated	EPA 8015	--	<10	<10	<10	--	--
B-1	4	11/9/1989	Auger [6]	Fill	Unsaturated	EPA 8015	--	<10	<10	<10	--	--
B-1	6	11/9/1989	Auger	Bedrock	Unsaturated	EPA 8015	--	<10	166	65	--	--
B-1	6.5	11/9/1989	Auger	Bedrock	Unsaturated	EPA 8015	--	<10	180	83	--	--
B-1	9.5	11/9/1989	Drive-sample	Bedrock	Saturated	EPA 8015	--	<10	786	76	--	--
B-1	10.5	11/9/1989	Auger	Bedrock	Saturated	EPA 8015	--	<10	166	45	--	--
B-2	2	11/9/1989	Auger	Fill	Unsaturated	EPA 8015	--	<10	<10	2440	--	--
B-2	2.5	11/9/1989	Drive-sample	Bedrock	Unsaturated	EPA 8015	--	<10	<10	138	--	--
B-2	4	11/9/1989	Drive-sample	Bedrock	Unsaturated	EPA 8015	--	<10	<10	45	--	--
B-2	5	11/9/1989	Drive-sample	Bedrock	Unsaturated	EPA 8015	--	<10	<10	25	--	--
B-2	7	11/9/1989	Drive-sample	Bedrock	Saturated	EPA 8015	--	<10	<10	<10	--	--
B-2	9	11/9/1989	Auger	Bedrock	Saturated	EPA 8015	--	<10	<10	<10	--	--
B-2	14	11/9/1989	Auger	Bedrock	Saturated	EPA 8015	--	<10	<10	<10	--	--
B-3	4	11/9/1989	Drive-sample	Bedrock	Unsaturated	EPA 8015	--	<10	<10	<10	--	--
B-3	6	11/9/1989	Auger	Bedrock	Unsaturated	EPA 8015	--	<10	<10	<10	--	--
B-3	9.5	11/9/1989	Auger	Bedrock	Saturated	EPA 8015	--	14	31	45	--	--
B-3	14	11/9/1989	Auger	Bedrock	Saturated	EPA 8015	--	<10	<10	<10	--	--
B-4	4	11/--/1989	Auger	Fill	Unsaturated	EPA 8015	--	<10	<10	84	--	--
B-5	4	11/--/1989	Auger	Fill	Unsaturated	EPA 8015	--	<10	<10	397	--	--
MW-1	2.5	11/10/1989	Drive-sample	Bedrock	Saturated	EPA 8015	--	<10	<10	<10	--	--
MW-1	4.5	11/10/1989	Auger	Bedrock	Saturated	EPA 8015	--	<10	<10	<10	--	--
MW-1	6	11/10/1989	Auger	Bedrock	Saturated	EPA 8015	--	<10	118	14	--	--
MW-1	9	11/10/1989	Auger	Bedrock	Unsaturated	EPA 8015	--	<10	190	45	--	--
MW-1	14	11/10/1989	Auger	Bedrock	Unsaturated	EPA 8015	--	<10	2260	<10	--	--
MW-2	4	11/10/1989	Drive-sample	Bedrock	Saturated	EPA 8015	--	<10	<10	53	--	--
MW-2	4.5	11/10/1989	Auger	Bedrock	Saturated	EPA 8015	--	<10	<10	68	--	--
MW-2	6	11/10/1989	Auger	Bedrock	Saturated	EPA 8015	--	<10	<10	<10	--	--
MW-2	9	11/10/1989	Auger	Bedrock	Unsaturated	EPA 8015	--	<10	<10	<10	--	--
MW-2	14.5	11/10/1989	Auger	Bedrock	Unsaturated	EPA 8015	--	<10	<10	<10	--	--
MW-4	4.5	3/21/1990	Auger	Fill	Saturated	EPA 8015	--	<5	<10	<25	--	--

TABLE C-6

SUMMARY OF ANALYTICAL RESULTS FOR TOTAL PETROLEUM HYDROCARBONS (TPH) IN SOIL SAMPLES [1]

Potrero Power Plant
San Francisco, California

All concentrations are presented in milligrams per kilogram (mg/kg)

Sample Point	Depth (ft-bgs)	Sample Date	Sample Type	Soil Type	Saturated/ Unsaturated	Analytical Method	TPH	TPH as gasoline	TPH as diesel	TPH as motor oil	Organics, diesel range	Organics, gasoline range
MW-4	9.5	3/21/1990	Auger	Bedrock	Unsaturated	EPA 8015	--	<5	<10	<25	--	--
MW-4	14.5	3/21/1990	Auger	Bedrock	Saturated	EPA 8015	--	<5	<10	<25	--	--
MW-4B	4	11/10/1989	Drive-sample	Fill	Unsaturated	EPA 8015	--	<10	<10	<10	--	--
MW-4B	5	11/10/1989	Auger	Fill	Unsaturated	EPA 8015	--	<10	<10	84	--	--
MW-5	5	11/9/1989	Drive-sample	Fill	Saturated	EPA 8015	--	<10	<10	<10	--	--
MW-5	6	11/9/1989	Auger	Fill	Saturated	EPA 8015	--	<10	<10	76	--	--
MW-5	9.5	11/9/1989	Drive-sample	Fill	Saturated	EPA 8015	--	<10	<10	140	--	--
MW-6	4.5	3/21/1990	Auger	Bedrock	Saturated	EPA 8015	--	<5	<10	<25	--	--
MW-6	9.5	3/21/1990	Auger	Bedrock	Saturated	EPA 8015	--	<5	<10	<25	--	--
MW-6	11.5	3/21/1990	Auger	Bedrock	Saturated	EPA 8015	--	<5	<10	<25	--	--
MW-6	14	3/21/1990	Auger	Bedrock	Saturated	EPA 8015	--	<5	<10	<25	--	--
MW-7	4.5	3/21/1990	Auger	Fill	Unsaturated	EPA 8015	--	<5	<10	<25	--	--
MW-7	9.5	3/21/1990	Auger	Bedrock	Saturated	EPA 8015	--	<5	<10	<25	--	--
MW-7	14.5	3/21/1990	Auger	Bedrock	Saturated	EPA 8015	--	<5	<10	<25	--	--
Ecology & the Environment, 1991, Preliminary Endangerment Assessment, Potrero Power Plant, October 16--Analytical results reported in dry weight												
B-POT-1	2.5	2/28/1991	Primary	Fill	Unsaturated	EPA 8015	--	--	390	16	--	--
B-POT-1	9	2/28/1991	Primary	Bedrock	Unsaturated	EPA 8015	--	--	<10	11	--	--
B-POT-2	4.5	2/27/1991	Primary	Bedrock	Unsaturated	EPA 8015	--	--	880	--	--	--
B-POT-2	6.5	2/27/1991	Primary	Bedrock	Unsaturated	EPA 8015	--	--	950	2600	--	--
B-POT-3	3.5	2/22/1991	Primary	Fill/Brown	Unsaturated	EPA 8015	--	--	390	<10	--	--
B-POT-3	6	2/22/1991	Primary	Fill/Green	Unsaturated	EPA 8015	--	--	341	<10	--	--
B-POT-3	10	2/22/1991	Primary	Fill/Brown	Unsaturated	EPA 8015	--	--	16000	790	--	--
B-POT-3	12	2/22/1991	Primary	Fill/Green	Saturated	EPA 8015	--	--	2200	1200	--	--
POT-9	3.5	3/4/1991	Primary	Bedrock	Unsaturated	EPA 8015	--	--	--	<10	--	--
POT-9	5.5	3/4/1991	Primary	Bedrock	Unsaturated	EPA 8015	--	--	--	<10	--	--
POT-9	10	3/4/1991	Primary	Bedrock	Unsaturated	EPA 8015	--	--	<10	120	--	--
POT-9	25	3/4/1991	Primary	Bedrock	Saturated	EPA 8015	--	--	<10	<10	--	--
POT-14	3.5	3/5/1991	Primary	Fill/Brown	Unsaturated	EPA 8015	--	--	<10	<10	--	--
POT-14	6	3/5/1991	Primary	Interface	Saturated	EPA 8015	--	--	<10	<10	--	--
POT-14	20.5	3/5/1991	Primary	Bedrock	Saturated	EPA 8015	--	--	<10	<10	--	--
POT-15	3.5	3/1/1991	Primary	Fill	Unsaturated	EPA 8015	--	--	<10	18	--	--
POT-15	5.5	3/1/1991	Primary	Fill	Unsaturated	EPA 8015	--	--	<10	12	--	--
POT-15	8.5	3/1/1991	Primary	Fill	Unsaturated	EPA 8015	--	--	<10	11	--	--
POT-15	16.5	3/1/1991	Primary	Fill	Saturated	EPA 8015	--	--	11000	490	--	--
SS-APT-1	0.5	2/25/1991	Primary	Fill	Unsaturated	EPA 8015	--	--	420	<10	--	--
SS-POT-1	0.5	3/1/1991	Primary	Fill	Unsaturated	EPA 8015	--	--	<10	30	--	--

TABLE C-6

SUMMARY OF ANALYTICAL RESULTS FOR TOTAL PETROLEUM HYDROCARBONS (TPH) IN SOIL SAMPLES [1]

Potrero Power Plant
San Francisco, California

All concentrations are presented in milligrams per kilogram (mg/kg)

Sample Point	Depth (ft-bgs)	Sample Date	Sample Type	Soil Type	Saturated/ Unsaturated	Analytical Method	TPH	TPH as gasoline	TPH as diesel	TPH as motor oil	Organics, diesel range	Organics, gasoline range
SS-POT-3	0.5	3/5/1991	Primary	Fill	Unsaturated	EPA 8015	--	--	17	<10	--	--
SS-POT-6	0.5	3/5/1991	Primary	Fill	Unsaturated	EPA 8015	--	--	39	<10	--	--
Power Plant, June [7]												
TES-SB1	8.0	4/29/1991	Primary	Bedrock	Unsaturated	EPA 8015	--	--	<1	--	--	--
TES-SB2	3.5	4/29/1991	Primary	Fill	Unsaturated	EPA 8015	--	--	**100**	--	--	--
TES-SB3	2.5	4/29/1991	Primary	Fill	Unsaturated	EPA 8015	--	--	**20**	--	--	--
TES-SB4	2.5	4/29/1991	Primary	Fill	Unsaturated	EPA 8015	--	--	**60**	--	--	--
TES-SB5	2.5	4/29/1991	Primary	Bedrock	Unsaturated	EPA 8015	--	--	**1**	--	--	--
TES-SB6	2.0	4/29/1991	Primary	Bedrock	Unsaturated	EPA 8015	--	--	<1	--	--	--
TES-SB7	2.5	4/30/1991	Primary	Bedrock	Unsaturated	EPA 8015	--	--	**1**	--	--	--
TES-SB8	2.5	4/30/1991	Primary	Bedrock	Unsaturated	EPA 8015	--	--	**2**	--	--	--
TES-SB9	2.5	4/30/1991	Primary	Bedrock	Unsaturated	EPA 8015	--	--	**1**	--	--	--
TES-SB10	2.5	4/30/1991	Primary	Bedrock	Unsaturated	EPA 8015	--	--	**1**	--	--	--
TES-SB11	3.0	4/30/1991	Primary	Bedrock	Unsaturated	EPA 8015	--	--	<1	--	--	--
TES-SB12	3.0	4/30/1991	Primary	Bedrock	Unsaturated	EPA 8015	--	--	<1	--	--	--
TES-SB13	3.0	4/30/1991	Primary	Fill	Unsaturated	EPA 8015	--	--	**4**	--	--	--
TES-SB14	3.0	4/30/1991	Primary	Fill	Unsaturated	EPA 8015	--	--	**5**	--	--	--
TES-SB15	3.0	4/30/1991	Primary	Fill	Unsaturated	EPA 8015	--	--	**3**	--	--	--
TES-SB16	3.0	4/30/1991	Primary	Fill	Unsaturated	EPA 8015	--	--	**2**	--	--	--
TES-SB17	3.0	4/30/1991	Primary	Fill	Unsaturated	EPA 8015	--	--	**2**	--	--	--
TES-SB18	8.5	4/30/1991	Primary	Fill	Unsaturated	EPA 8015	--	--	**11**	--	--	--
TES-SB19	7.5	4/30/1991	Primary	Fill	Unsaturated	EPA 8015	--	--	**4**	--	--	--
TES-SB20	4.0	4/30/1991	Primary	Fill	Unsaturated	EPA 8015	--	--	**900**	--	--	--
TES-SB21	3.0	4/30/1991	Primary	Bedrock	Unsaturated	EPA 8015	--	--	<1	--	--	--
TES-SB22	3.0	4/30/1991	Primary	Fill	Unsaturated	EPA 8015	--	--	**60**	--	--	--
TES-SB23	3.0	4/30/1991	Primary	Fill	Unsaturated	EPA 8015	--	--	**4**	--	--	--
TES-SB24	3.0	4/30/1991	Primary	Fill	Unsaturated	EPA 8015	--	--	**13**	--	--	--
TES-SB25	3.0	4/30/1991	Primary	Fill	Unsaturated	EPA 8015	--	--	**3800**	--	--	--
TES-SB26	9.0	4/30/1991	Primary	Fill	Unsaturated	EPA 8015	--	--	**340**	--	--	--
TES-SB27	3.0	4/30/1991	Primary	Fill	Unsaturated	EPA 8015	--	--	**3**	--	--	--
Fluor Daniel GTI, 1998, Phase II Environmental Site Assessment, Potrero Power Plant, June--Analytical results reported in wet weight												
TB1-001	1	12/8/1997	Primary	Fill/Brown	Unsaturated	EPA 8015B	2940	--	--	--	--	--
TB1-001	6	12/8/1997	Primary	Fill/Green	Unsaturated	EPA 8015B	<10	--	--	--	--	--
TB1-001	11	12/8/1997	Primary	Bedrock	Unsaturated	EPA 8015B	<10	--	--	--	--	--

TABLE C-6

SUMMARY OF ANALYTICAL RESULTS FOR TOTAL PETROLEUM HYDROCARBONS (TPH) IN SOIL SAMPLES [1]

Potrero Power Plant
San Francisco, California

All concentrations are presented in milligrams per kilogram (mg/kg)

Sample Point	Depth (ft-bgs)	Sample Date	Sample Type	Soil Type	Saturated/ Unsaturated	Analytical Method	TPH	TPH as gasoline	TPH as diesel	TPH as motor oil	Organics, diesel range	Organics, gasoline range
TB1-002	1	12/4/1997	Primary	Fill/Green	Unsaturated	EPA 8015B	2760	--	--	--	--	--
TB1-002	1	12/4/1997	Duplicate	Fill/Green	Unsaturated	EPA 8015B	3870	--	--	--	--	--
TB1-002	6	12/9/1997	Primary	Fill/Green	Unsaturated	EPA 8015B	<10	--	--	--	--	--
TB1-002	6	12/9/1997	Duplicate	Fill/Green	Unsaturated	EPA 8015B	<10	--	--	--	--	--
TB1-002	11	12/9/1997	Primary	Fill/Green	Unsaturated	EPA 8015B	1560	--	--	--	--	--
TB1-002	16	12/9/1997	Primary	Fill/Green	Saturated	EPA 8015B	438	--	--	--	--	--
TB1-002	22	12/9/1997	Primary	Fill/Green	Saturated	EPA 8015B	<20	--	--	--	--	--
TB1-003	1	11/25/1997	Primary	Fill	Unsaturated	EPA 8015B	1010	--	--	--	--	--
TB1-003	9	12/10/1997	Primary	Fill/Green	Unsaturated	EPA 8015B	<10	--	--	--	--	--
TB1-003	13	12/10/1997	Primary	Fill/Green	Saturated	EPA 8015B	<10	--	--	--	--	--
TB1-008	1	12/4/1997	Primary	Fill/Brown	Unsaturated	EPA 8015B	195	--	--	--	--	--
TB1-008	6	12/4/1997	Primary	Fill/Brown	Unsaturated	EPA 8015B	<10	--	--	--	--	--
TB1-008	11	12/4/1997	Primary	Fill/Green	Unsaturated	EPA 8015B	<10	--	--	--	--	--
TB1-009	1	10/15/1997	Primary	Fill	Unsaturated	EPA 8015B	176	--	--	--	--	--
TB1-009	8	10/15/1997	Primary	Fill	Unsaturated	EPA 8015B	845	--	--	--	--	--
TB1-009	15	10/15/1997	Primary	Fill	Saturated	EPA 8015B	25000	--	--	--	--	--
TB1-009	20	10/15/1997	Primary	Fill	Saturated	EPA 8015B	14300	--	--	--	--	--
TB1-009	25	10/23/1997	Primary	Bedrock	Saturated	EPA 8015B	15.4	--	--	--	--	--
TB1-009	25	10/23/1997	Duplicate	Bedrock	Saturated	EPA 8015B	19.6	--	--	--	--	--
TB1-010	1	12/9/1997	Primary	Fill/Brown	Unsaturated	EPA 8015B	92.6	--	--	--	--	--
TB1-010	6	12/9/1997	Primary	Fill	Unsaturated	EPA 8015B	32.2	--	--	--	--	--
TB1-010	11	12/9/1997	Primary	Fill	Unsaturated	EPA 8015B	21.4	--	--	--	--	--
TB1-011	1	12/9/1997	Primary	Fill/Brown	Unsaturated	EPA 8015B	329	--	--	--	--	--
TB1-011	1	12/9/1997	Duplicate	Fill/Brown	Unsaturated	EPA 8015B	382	--	--	--	--	--
TB1-011	9	12/9/1997	Primary	Bedrock	Unsaturated	EPA 8015B	26.2	--	--	--	--	--
TB1-011	13	12/9/1997	Primary	Bedrock	Unsaturated	EPA 8015B	26.1	--	--	--	--	--
TB1-012	1	11/25/1997	Primary	Fill/Green	Unsaturated	EPA 8015B	355	--	--	--	--	--
TB1-012	1	12/8/1997	Primary	Fill/Green	Unsaturated	EPA 8015B	34.3	--	--	--	--	--
TB1-012	1	12/8/1997	Duplicate	Fill/Green	Unsaturated	EPA 8015B	36.9	--	--	--	--	--
TB1-012	6	12/8/1997	Primary	Fill/Green	Unsaturated	EPA 8015B	<10	--	--	--	--	--
TB1-012	10	12/8/1997	Primary	Fill/Green	Unsaturated	EPA 8015B	867	--	--	--	--	--
TB2-001	1	11/26/1997	Primary	Fill/Green	Unsaturated	EPA 8015B	284	--	--	--	--	--
TB2-001	1	11/26/1997	Duplicate	Fill/Green	Unsaturated	EPA 8015B	531	--	--	--	--	--
TB2-001	7	11/26/1997	Primary	Bedrock	Unsaturated	EPA 8015B	146	--	--	--	--	--
TB2-001	12	11/26/1997	Primary	Bedrock	Unsaturated	EPA 8015B	<20	--	--	--	--	--
TB2-002	1	11/26/1997	Primary	Fill/Brown	Unsaturated	EPA 8015B	729	--	--	--	--	--

TABLE C-6

SUMMARY OF ANALYTICAL RESULTS FOR TOTAL PETROLEUM HYDROCARBONS (TPH) IN SOIL SAMPLES [1]

Potrero Power Plant
San Francisco, California

All concentrations are presented in milligrams per kilogram (mg/kg)

Sample Point	Depth (ft-bgs)	Sample Date	Sample Type	Soil Type	Saturated/ Unsaturated	Analytical Method	TPH	TPH as gasoline	TPH as diesel	TPH as motor oil	Organics, diesel range	Organics, gasoline range
TB2-002	7	11/26/1997	Primary	Fill/Green	Unsaturated	EPA 8015B	511	--	--	--	--	--
TB2-002	12	11/26/1997	Primary	Fill/Green	Unsaturated	EPA 8015B	<10	--	--	--	--	--
TB2-003	1	12/2/1997	Primary	Fill/Green	Unsaturated	EPA 8015B	343	--	--	--	--	--
TB2-003	6	12/2/1997	Primary	Bedrock	Unsaturated	EPA 8015B	<10	--	--	--	--	--
TB2-003	10	12/2/1997	Primary	Bedrock	Unsaturated	EPA 8015B	<10	--	--	--	--	--
TB2-004	2	11/26/1997	Primary	Fill	Unsaturated	EPA 8015B	870	--	--	--	--	--
TB2-004	6	11/26/1997	Primary	Bedrock	Unsaturated	EPA 8015B	<10	--	--	--	--	--
TB2-004	10	11/26/1997	Primary	Bedrock	Unsaturated	EPA 8015B	<10	--	--	--	--	--
TB2-004	10	11/26/1997	Duplicate	Bedrock	Unsaturated	EPA 8015B	<10	--	--	--	--	--
TB2-005	1	11/21/1997	Primary	Fill/Green	Unsaturated	EPA 8015B	42.6	--	--	--	--	--
TB2-005	6	11/25/1997	Primary	Bedrock	Unsaturated	EPA 8015B	65.9	--	--	--	--	--
TB2-005	6	11/25/1997	Duplicate	Bedrock	Unsaturated	EPA 8015B	<10	--	--	--	--	--
TB2-005	10	11/25/1997	Primary	Bedrock	Unsaturated	EPA 8015B	2530	--	--	--	--	--
TB2-006	1	11/21/1997	Primary	Fill/Brown	Unsaturated	EPA 8015B	88.4	--	--	--	--	--
TB2-006	6	11/21/1997	Primary	Fill	Unsaturated	EPA 8015B	19.6	--	--	--	--	--
TB2-006	10	11/21/1997	Primary	Bedrock	Unsaturated	EPA 8015B	11.3	--	--	--	--	--
TB4-002	1	12/8/1997	Primary	Fill/Brown	Unsaturated	EPA 8015B	1880	--	--	--	--	--
TB4-002	1	12/8/1997	Duplicate	Fill/Brown	Unsaturated	EPA 8015B	1510	--	--	--	--	--
TB4-002	6	12/8/1997	Primary	Bedrock	Unsaturated	EPA 8015B	58.2	--	--	--	--	--
TB4-003	1	11/26/1997	Primary	Fill/Brown	Unsaturated	EPA 8015B	256	--	--	--	--	--
TB4-003	7	11/26/1997	Primary	Fill/Green	Saturated	EPA 8015B	<30	--	--	--	--	--
TB4-003	12	12/1/1997	Primary	Bedrock	Saturated	EPA 8015B	<10	--	--	--	--	--
TB4-004	1	12/8/1997	Primary	Fill/Brown	Unsaturated	EPA 8015B	276	--	--	--	--	--
TB4-004	7	12/8/1997	Primary	Interface	Unsaturated	EPA 8015B	264	--	--	--	--	--
TB4-004	11	12/8/1997	Primary	Bedrock	Unsaturated	EPA 8015B	<10	--	--	--	--	--
TB4-005	1	12/3/1997	Primary	Fill/Brown	Unsaturated	EPA 8015B	510	--	--	--	--	--
TB4-005	1	12/3/1997	Duplicate	Fill/Brown	Unsaturated	EPA 8015B	462	--	--	--	--	--
TB4-005	6	12/3/1997	Primary	Bedrock	Unsaturated	EPA 8015B	710	--	--	--	--	--
TB4-005	10	12/3/1997	Primary	Bedrock	Unsaturated	EPA 8015B	1040	--	--	--	--	--
TB4-005	15	12/3/1997	Primary	Bedrock	Saturated	EPA 8015B	<10	--	--	--	--	--
TB4-006	1	12/3/1997	Primary	Fill/Brown	Unsaturated	EPA 8015B	345	--	--	--	--	--
TB4-006	6	12/3/1997	Primary	Bedrock	Unsaturated	EPA 8015B	<10	--	--	--	--	--
TB4-006	10	12/3/1997	Primary	Bedrock	Unsaturated	EPA 8015B	<10	--	--	--	--	--
TB4-006	15	12/3/1997	Primary	Bedrock	Saturated	EPA 8015B	526	--	--	--	--	--
TB4-007	2	12/8/1997	Primary	Fill/Brown	Unsaturated	EPA 8015B	681	--	--	--	--	--

TABLE C-6

SUMMARY OF ANALYTICAL RESULTS FOR TOTAL PETROLEUM HYDROCARBONS (TPH) IN SOIL SAMPLES [1]

Potrero Power Plant
San Francisco, California

All concentrations are presented in milligrams per kilogram (mg/kg)

Sample Point	Depth (ft-bgs)	Sample Date	Sample Type	Soil Type	Saturated/ Unsaturated	Analytical Method	TPH	TPH as gasoline	TPH as diesel	TPH as motor oil	Organics, diesel range	Organics, gasoline range
TB4-007	6	12/8/1997	Primary	Fill/Brown	Unsaturated	EPA 8015B	599	--	--	--	--	--
TB4-007	20	12/8/1997	Primary	Bedrock	Saturated	EPA 8015B	935	--	--	--	--	--
TB4-008	1	12/4/1997	Primary	Fill/Brown	Unsaturated	EPA 8015B	2390	--	--	--	--	--
TB4-008	1	12/4/1997	Duplicate	Fill/Brown	Unsaturated	EPA 8015B	3200	--	--	--	--	--
TB4-008	4	12/4/1997	Primary	Fill/Green	Unsaturated	EPA 8015B	4050	--	--	--	--	--
TB4-008	6	12/4/1997	Primary	Fill	Unsaturated	EPA 8015B	20.4	--	--	--	--	--
TB4-008	10	12/4/1997	Primary	Fill	Unsaturated	EPA 8015B	<10	--	--	--	--	--
TB4-008	15	12/4/1997	Primary	Fill	Saturated	EPA 8015B	317	--	--	--	--	--
TB4-008	20	12/4/1997	Primary	Fill/Green	Saturated	EPA 8015B	465	--	--	--	--	--
TB4-008	30	12/4/1997	Primary	Fill/Brown	Saturated	EPA 8015B	105	--	--	--	--	--
TB4-009	1	12/2/1997	Primary	Fill/Brown	Unsaturated	EPA 8015B	559	--	--	--	--	--
TB4-009	1	12/2/1997	Duplicate	Fill/Brown	Unsaturated	EPA 8015B	866	--	--	--	--	--
TB4-009	6	12/2/1997	Primary	Fill/Brown	Unsaturated	EPA 8015B	372	--	--	--	--	--
TB4-009	11	12/2/1997	Primary	Bedrock	Unsaturated	EPA 8015B	<10	--	--	--	--	--
TB4-009	16	12/2/1997	Primary	Bedrock	Unsaturated	EPA 8015B	1270	--	--	--	--	--
TB4-009	21	12/2/1997	Primary	Bedrock	Unsaturated	EPA 8015B	678	--	--	--	--	--
TB4-010	1	12/2/1997	Primary	Fill/Green	Unsaturated	EPA 8015B	169	--	--	--	--	--
TB4-010	6	12/2/1997	Primary	Fill/Green	Unsaturated	EPA 8015B	27.5	--	--	--	--	--
TB4-010	10	12/3/1997	Primary	Fill/Green	Unsaturated	EPA 8015B	248	--	--	--	--	--
TB4-011	1	12/3/1997	Primary	Fill/Brown	Unsaturated	EPA 8015B	794	--	--	--	--	--
TB4-011	1	12/3/1997	Duplicate	Fill/Brown	Unsaturated	EPA 8015B	677	--	--	--	--	--
TB4-011	6	12/3/1997	Primary	Fill/Green	Unsaturated	EPA 8015B	113	--	--	--	--	--
TB4-011	11	12/3/1997	Primary	Fill/Green	Unsaturated	EPA 8015B	582	--	--	--	--	--
TB4-011	21	12/3/1997	Primary	Fill	Saturated	EPA 8015B	10700	--	--	--	--	--
TB4-011	26	12/3/1997	Primary	Bedrock	Saturated	EPA 8015B	169	--	--	--	--	--
TB4-012	3	12/1/1997	Primary	Fill/Green	Unsaturated	EPA 8015B	<10	--	--	--	--	--
TB4-012	6	12/1/1997	Primary	Fill/Green	Unsaturated	EPA 8015B	26.3	--	--	--	--	--
TB4-012	10	12/1/1997	Primary	Fill/Green	Unsaturated	EPA 8015B	<10	--	--	--	--	--
TB4-013	1	12/1/1997	Primary	Fill/Brown	Unsaturated	EPA 8015B	525	--	--	--	--	--
TB4-013	1	12/1/1997	Duplicate	Fill/Brown	Unsaturated	EPA 8015B	279	--	--	--	--	--
TB4-013	6	12/1/1997	Primary	Fill/Brown	Saturated	EPA 8015B	307	--	--	--	--	--
TB4-013	11	12/1/1997	Primary	Bedrock	Saturated	EPA 8015B	312	--	--	--	--	--
TB4-014	1	12/3/1997	Primary	Fill/Brown	Unsaturated	EPA 8015B	2880	--	--	--	--	--
TB4-014	6	12/3/1997	Primary	Fill/Brown	Unsaturated	EPA 8015B	1870	--	--	--	--	--

TABLE C-6

SUMMARY OF ANALYTICAL RESULTS FOR TOTAL PETROLEUM HYDROCARBONS (TPH) IN SOIL SAMPLES [1]

Potrero Power Plant
San Francisco, California

All concentrations are presented in milligrams per kilogram (mg/kg)

Sample Point	Depth (ft-bgs)	Sample Date	Sample Type	Soil Type	Saturated/ Unsaturated	Analytical Method	TPH	TPH as gasoline	TPH as diesel	TPH as motor oil	Organics, diesel range	Organics, gasoline range
TB4-014	11	12/3/1997	Primary	Fill/Brown	Unsaturated	EPA 8015B	11600	--	--	--	--	--
TB4-014	21	12/3/1997	Primary	Bedrock	Saturated	EPA 8015B	1850	--	--	--	--	--
TB4-015	1	12/1/1997	Primary	Fill	Unsaturated	EPA 8015B	3280	--	--	--	--	--
TB4-015	6	12/1/1997	Primary	Fill	Unsaturated	EPA 8015B	47	--	--	--	--	--
TB4-015	11	12/2/1997	Primary	Fill	Unsaturated	EPA 8015B	16.6	--	--	--	--	--
TB4-015	20	12/2/1997	Primary	Fill/Brown	Saturated	EPA 8015B	28700	--	--	--	--	--
TB4-015	30	12/2/1997	Primary	Bedrock	Saturated	EPA 8015B	53	--	--	--	--	--
TB5-001	1	12/2/1997	Primary	Fill/Brown	Unsaturated	EPA 8015B	633	--	--	--	--	--
TB5-001	6	12/2/1997	Primary	Fill/Green	Unsaturated	EPA 8015B	<10	--	--	--	--	--
TB5-001	10	12/2/1997	Primary	Bedrock	Unsaturated	EPA 8015B	<10	--	--	--	--	--
TB5-001	15	12/2/1997	Primary	Bedrock	Unsaturated	EPA 8015B	<20	--	--	--	--	--
TB5-002	1	11/26/1997	Primary	Fill	Unsaturated	EPA 8015B	462	--	--	--	--	--
TB5-002	6	11/26/1997	Primary	Fill	Unsaturated	EPA 8015B	468	--	--	--	--	--
TB5-002	10	11/26/1997	Primary	Fill	Unsaturated	EPA 8015B	2620	--	--	--	--	--
TB5-003	1	11/26/1997	Primary	Fill/Brown	Unsaturated	EPA 8015B	518	--	--	--	--	--
TB5-003	6	11/26/1997	Primary	Bedrock	Unsaturated	EPA 8015B	<20	--	--	--	--	--
TB5-003	10	11/26/1997	Primary	Bedrock	Saturated	EPA 8015B	<10	--	--	--	--	--
TS1-017	1	12/9/1997	Primary	Fill	Unsaturated	EPA 8015B	406	--	--	--	--	--
TS1-018	1	12/9/1997	Primary	Fill	Unsaturated	EPA 8015B	165	--	--	--	--	--
TS1-019	1	12/9/1997	Primary	Fill	Unsaturated	EPA 8015B	54.3	--	--	--	--	--
TS4-016	1	12/10/1997	Primary	Fill	Unsaturated	EPA 8015B	1860	--	--	--	--	--
Fluor Daniel GTI, 1998, Phase II Environmental Site Assessment Addendum, Potrero Power Plant, September--Analytical results reported in wet weight												
TB4-017	36	3/3/1998	Primary	Fill/Brown	Saturated	EPA M8015	0.55	--	--	--	--	--
TB4-017	41	3/3/1998	Primary	Fill/Brown	Saturated	EPA M8015	25	--	--	--	--	--
TB4-017	41	3/3/1998	Duplicate	Fill/Brown	Saturated	EPA M8015	0.91	--	--	--	--	--
TB4-017	46	3/3/1998	Primary	Fill/Brown	Saturated	EPA M8015	<1	--	--	--	--	--
Geotechnical Consultants, Inc., 2004, Geotechnical Report, Potrero Power Plant, June--Analytical results presented in wet weight												
CHSB-1	0.5	2/24/2004	Primary	Fill	Unsaturated	EPA 8015B	--	--	--	--	600	<0.1
CHSB-1	3.5	2/24/2004	Primary	Bedrock	Unsaturated	EPA 8015B	--	--	--	--	3500	120
CHSB-2	0.5	2/24/2004	Primary	Fill	Unsaturated	EPA 8015B	--	--	--	--	39	<0.1
CHSB-2	3.5	2/24/2004	Primary	Fill	Unsaturated	EPA 8015B	--	--	--	--	<2	<0.1
CHSB-3	0.5	2/25/2004	Primary	Fill	Unsaturated	EPA 8015B	--	--	--	--	1300	<0.1
CHSB-3	3.5	2/25/2004	Primary	Fill	Unsaturated	EPA 8015B	--	--	--	--	240	<0.1

TABLE C-6

SUMMARY OF ANALYTICAL RESULTS FOR TOTAL PETROLEUM HYDROCARBONS (TPH) IN SOIL SAMPLES [1]

Potrero Power Plant
San Francisco, California

All concentrations are presented in milligrams per kilogram (mg/kg)

Sample Point	Depth (ft-bgs)	Sample Date	Sample Type	Soil Type	Saturated/ Unsaturated	Analytical Method	TPH	TPH as gasoline	TPH as diesel	TPH as motor oil	Organics, diesel range	Organics, gasoline range
CHSB-4	0.5	2/25/2004	Primary	Fill	Unsaturated	EPA 8015B	--	--	--	--	160	<0.1
CHSB-4	3.5	2/25/2004	Primary	Fill	Unsaturated	EPA 8015B	--	--	--	--	15	<0.1
CHSB-5	0.5	2/24/2004	Primary	Fill	Unsaturated	EPA 8015B	--	--	--	--	430	<0.1
CHSB-5	3.5	2/24/2004	Primary	Fill	Unsaturated	EPA 8015B	--	--	--	--	40	<0.1
CHSB-6	0.5	2/25/2004	Primary	Fill	Unsaturated	EPA 8015B	--	--	--	--	410	<0.1
CHSB-6	3.5	2/25/2004	Primary	Bedrock	Unsaturated	EPA 8015B	--	--	--	--	61	<0.1
CHSB-7	0.5	2/25/2004	Primary	Fill	Unsaturated	EPA 8015B	--	--	--	--	910	<0.1
CHSB-7	3.5	2/25/2004	Primary	Fill	Unsaturated	EPA 8015B	--	--	--	--	<2	<0.1
CHSB-8	0.5	2/24/2004	Primary	Fill	Unsaturated	EPA 8015B	--	--	--	--	25	<0.1
CHSB-8	3.5	2/24/2004	Primary	Bedrock	Unsaturated	EPA 8015B	--	--	--	--	<2	<0.1

Notes:

1. Soil samples analyzed for unspecified total petroleum hydrocarbons (TPH); TPH quantified as gasoline, diesel, or motor oil; diesel range organics; and gasoline range organics using EPA Method 8015.
2. No information was provided in the analytical laboratory reports or Site Characterization Report (Ecology, 1990) regarding wet or dry weight basis of soil sample results. The results were assumed to have been reported on a wet weight basis.
3. Monitoring well MW-3 was installed in the backfill area for an excavated underground storage tank. Therefore the analytical results for soil samples collected from this boring are not included.
4. Soil samples were collected from borings T-5 and T-10 as part of PG&E initial characterization of soil in the vicinity of the underground storage tank (UST) formerly located south of Unit 6. These borings were not located in the excavation area for this UST. The analtyical results for this soil samples were presented in the Site Characterization report, but no information regarding the sample collection methodology or analytical method was presented (Ecology, 1990).
5. Soil sample collected by driving an 18-inch long, split-spoon drive sampler equipped with three 6-inch long brass liners, ahead of the auger using a 140-pound hammer (Ecology, 1990).
6. Soil samples collected into a brass liner directly from the auger (Ecology, 1990).
7. No information was provided in the analytical laboratory reports or Soil Investigation Report (TES, 1991) regarding wet or dry weight basis of soil sample results. The results were assumed to have been reported on a wet weight basis.
8. The results higlighted in green were sampled from the Station A PG&E Area.

Abbreviations

"**Bold**" = detected above the laboratory reporting limit
EPA = U.S. Environmental Protection Agency
feet bgs = feet below ground surface
TPH = total petroleum hydrocarbons
< = not detected above the laboratory reporting limit
-- = not analyzed

TABLE C-7

SUMMARY OF ANALYTICAL RESULTS FOR ASBESTOS, CYANIDE, PERCENT MOISTURE, pH, TOTAL SOLIDS, AND SULFIDE IN SOIL SAMPLES[1]

Potrero Power Plant
San Francisco, California

All concentrations are presented in milligrams per kilogram (mg/kg), unless otherwise noted

Sample Point	Depth (feet bgs)	Sample Date	Sample Type	Soil Type	Saturated/ Unsaturated	Asbestos, chrysotile (%) (N7400)	Asbestos, total (%) (N7400)	Cyanide, total EPA 9010	Moisture, percent D2216	pH (pH units) SW9045B	Solids, total (%) E160.3	Sulfide EPA 9030
Ecology & the Environment, 1991, Preliminary Endangerment Assessment, Potrero Power Plant, October 16--analytical results for total cyanide reported in dry weight.												
B-POT-1	2.5	2/28/1991	Primary	Fill	Unsaturated	--	--	<1	--	--	95	<4
B-POT-1	9	2/28/1991	Primary	Bedrock	Unsaturated	--	--	<1.1	--	--	89	83
B-POT-2	4.5	2/27/1991	Primary	Bedrock	Unsaturated	--	--	<1.1	--	--	89	<4
B-POT-2	6.5	2/27/1991	Primary	Bedrock	Unsaturated	--	--	<1.1	--	--	89	<4
B-POT-3	3.5	2/22/1991	Primary	Fill/Brown	Unsaturated	--	--	<1.1	--	--	88	<4
B-POT-3	6	2/22/1991	Primary	Fill/Green	Unsaturated	--	--	<1.1	--	--	90	<4
B-POT-3	10	2/22/1991	Primary	Fill/Brown	Unsaturated	--	--	<1.3	--	--	75	<4
B-POT-3	12	2/22/1991	Primary	Fill/Green	Saturated	--	--	<1.3	--	--	79	170
POT-9	3.5	3/4/1991	Primary	Bedrock	Unsaturated	--	--	<1.2	--	--	80	<40
POT-9	5.5	3/4/1991	Primary	Bedrock	Unsaturated	--	--	<1.2	--	--	85	<8
POT-9	10	3/4/1991	Primary	Bedrock	Unsaturated	--	--	<1.2	--	--	80	<8
POT-9	25	3/4/1991	Primary	Bedrock	Saturated	--	--	<1.1	--	--	90	<8
POT-14	3.5	3/5/1991	Primary	Fill/Brown	Unsaturated	--	--	<1.2	--	--	86	40
POT-14	6	3/5/1991	Primary	Interface	Saturated	--	--	<1.1	--	--	89	<4
POT-14	20.5	3/5/1991	Primary	Bedrock	Saturated	--	--	<1.3	--	--	76	32
POT-15	3.5	3/1/1991	Primary	Fill	Unsaturated	--	--	<1.1	--	--	88	<4
POT-15	5.5	3/1/1991	Primary	Fill	Unsaturated	--	--	<1	--	--	95	<4
POT-15	8.5	3/1/1991	Primary	Fill	Unsaturated	--	--	<1.2	--	--	81	<4
POT-15	16.5	3/1/1991	Primary	Fill	Saturated	--	--	<1.8	--	--	57	900
SS-APT-1	0.5	2/25/1991	Primary	Fill	Unsaturated	--	--	--	--	--	98	--
SS-POT-1	0.5	3/1/1991	Primary	Fill	Unsaturated	--	--	<1.1	--	--	89	--
SS-POT-3	0.5	3/5/1991	Primary	Fill	Unsaturated	--	--	<1.2	--	--	85	<4
SS-POT-6	0.5	3/5/1991	Primary	Fill	Unsaturated	--	--	<1.1	--	--	92	<4
PG&E, Technical and Ecological Services (TES), 1991, Soil Investigation Resutls For Diesel Dump Tank and Associated Piping Replacement Project, Potrero Power Plant, June [2]												
TES-SB1	8.0	4/29/1991	Primary	Bedrock	Unsaturated	--	--	<0.5	--	--	--	--
TES-SB2	3.5	4/29/1991	Primary	Fill	Unsaturated	--	--	<0.5	--	--	--	--
TES-SB3	2.5	4/29/1991	Primary	Fill	Unsaturated	--	--	<0.5	--	--	--	--
TES-SB4	2.5	4/29/1991	Primary	Fill	Unsaturated	--	--	<0.5	--	--	--	--
TES-SB5	2.5	4/29/1991	Primary	Bedrock	Unsaturated	--	--	<0.5	--	--	--	--
TES-SB6	2.0	4/29/1991	Primary	Bedrock	Unsaturated	--	--	<0.5	--	--	--	--
TES-SB7	2.5	4/30/1991	Primary	Bedrock	Unsaturated	--	--	<0.5	--	--	--	--
TES-SB8	2.5	4/30/1991	Primary	Bedrock	Unsaturated	--	--	<0.5	--	--	--	--

TABLE C-7

SUMMARY OF ANALYTICAL RESULTS FOR ASBESTOS, CYANIDE, PERCENT MOISTURE, pH, TOTAL SOLIDS, AND SULFIDE IN SOIL SAMPLES[1]

Potrero Power Plant
San Francisco, California

All concentrations are presented in milligrams per kilogram (mg/kg), unless otherwise noted

Sample Point	Depth (feet bgs)	Sample Date	Sample Type	Soil Type	Saturated/ Unsaturated	Asbestos, chrysotile (%) (N7400)	Asbestos, total (%) (N7400)	Cyanide, total EPA 9010	Moisture, percent D2216	pH (pH units) SW9045B	Solids, total (%) E160.3	Sulfide EPA 9030
TES-SB9	2.5	4/30/1991	Primary	Bedrock	Unsaturated	--	--	<0.5	--	--	--	--
TES-SB10	2.5	4/30/1991	Primary	Bedrock	Unsaturated	--	--	<0.5	--	--	--	--
TES-SB11	3.0	4/30/1991	Primary	Bedrock	Unsaturated	--	--	<0.5	--	--	--	--
TES-SB12	3.0	4/30/1991	Primary	Bedrock	Unsaturated	--	--	<0.5	--	--	--	--
TES-SB13	3.0	4/30/1991	Primary	Fill	Unsaturated	--	--	<0.5	--	--	--	--
TES-SB14	3.0	4/30/1991	Primary	Fill	Unsaturated	--	--	<0.5	--	--	--	--
TES-SB15	3.0	4/30/1991	Primary	Fill	Unsaturated	--	--	<0.5	--	--	--	--
TES-SB16	3.0	4/30/1991	Primary	Fill	Unsaturated	--	--	<0.5	--	--	--	--
TES-SB17	3.0	4/30/1991	Primary	Fill	Unsaturated	--	--	<0.5	--	--	--	--
TES-SB18	8.5	4/30/1991	Primary	Fill	Unsaturated	--	--	<0.5	--	--	--	--
TES-SB19	7.5	4/30/1991	Primary	Fill	Unsaturated	--	--	<0.5	--	--	--	--
TES-SB20	4.0	4/30/1991	Primary	Fill	Unsaturated	--	--	<0.5	--	--	--	--
TES-SB21	3.0	4/30/1991	Primary	Bedrock	Unsaturated	--	--	<0.5	--	--	--	--
TES-SB22	3.0	4/30/1991	Primary	Fill	Unsaturated	--	--	<0.5	--	--	--	--
TES-SB23	3.0	4/30/1991	Primary	Fill	Unsaturated	--	--	<0.5	--	--	--	--
TES-SB24	3.0	4/30/1991	Primary	Fill	Unsaturated	--	--	<0.5	--	--	--	--
TES-SB25	3.0	4/30/1991	Primary	Fill	Unsaturated	--	--	<0.5	--	--	--	--
TES-SB26	9.0	4/30/1991	Primary	Fill	Unsaturated	--	--	<0.5	--	--	--	--
TES-SB27	3.0	4/30/1991	Primary	Fill	Unsaturated	--	--	<0.5	--	--	--	--
Fluor Daniel GTI, 1998, Phase II Environmental Site Assessment, Potrero Power Plant, June--Analytical results reported in wet weight.												
TB1-001	1	12/8/1997	Primary	Fill/Brown	Unsaturated	--	<1	<0.5	93.3	8.3	--	--
TB1-001	6	12/8/1997	Primary	Fill/Green	Unsaturated	--	<1	<0.5	90.9	8.9	--	--
TB1-001	11	12/8/1997	Primary	Bedrock	Unsaturated	--	--	<0.5	75.7	8.6	--	--
TB1-002	1	12/4/1997	Primary	Fill/Green	Unsaturated	--	<1	<0.5	90.6	7.8	--	--
TB1-002	1	12/4/1997	Duplicate	Fill/Green	Unsaturated	--	<1	<0.5	93.1	8.5	--	--
TB1-002	6	12/9/1997	Primary	Fill/Green	Unsaturated	2	--	<0.5	83.7	8.3	--	--
TB1-002	6	12/9/1997	Duplicate	Fill/Green	Unsaturated	3	--	1.1	84.4	8.3	--	--
TB1-002	11	12/9/1997	Primary	Fill/Green	Unsaturated	--	<1	<0.5	83.5	8.4	--	--
TB1-002	16	12/9/1997	Primary	Fill/Green	Saturated	--	--	<0.5	80.8	8.4	--	--
TB1-002	22	12/9/1997	Primary	Fill/Green	Saturated	--	--	<0.5	84.2	9.1	--	--
TB1-003	1	11/25/1997	Primary	Fill	Unsaturated	--	<1	4.3	93.6	11.2	--	--
TB1-003	9	12/10/1997	Primary	Fill/Green	Unsaturated	--	2	<0.5	90.2	9	--	--
TB1-003	13	12/10/1997	Primary	Fill/Green	Saturated	--	2	<0.5	81.7	8.9	--	--
TB1-008	1	12/4/1997	Primary	Fill/Brown	Unsaturated	--	<1	<0.5	97.1	8.2	--	--
TB1-008	6	12/4/1997	Primary	Fill/Brown	Unsaturated	--	<1	<0.5	89.4	8.2	--	--

TABLE C-7

SUMMARY OF ANALYTICAL RESULTS FOR ASBESTOS, CYANIDE, PERCENT MOISTURE, pH, TOTAL SOLIDS, AND SULFIDE IN SOIL SAMPLES[1]

Potrero Power Plant
San Francisco, California

All concentrations are presented in milligrams per kilogram (mg/kg), unless otherwise noted

Sample Point	Depth (feet bgs)	Sample Date	Sample Type	Soil Type	Saturated/ Unsaturated	Asbestos, chrysotile (%) (N7400)	Asbestos, total (%) (N7400)	Cyanide, total EPA 9010	Moisture, percent D2216	pH (pH units) SW9045B	Solids, total (%) E160.3	Sulfide EPA 9030
TB1-008	11	12/4/1997	Primary	Fill/Green	Unsaturated	--	--	<0.5	86.3	9.1	--	--
TB1-009	1	10/15/1997	Primary	Fill	Unsaturated	--	--	<0.5	91	8	--	--
TB1-009	8	10/15/1997	Primary	Fill	Unsaturated	--	<1	<0.5	81.1	8	--	--
TB1-009	15	10/15/1997	Primary	Fill	Saturated	--	<1	2.7	87.1	8.1	--	--
TB1-009	20	10/15/1997	Primary	Fill	Saturated	--	--	2.1	86.8	8.6	--	--
TB1-009	25	10/23/1997	Duplicate	Bedrock	Saturated	--	--	<0.5	87.8	9	--	--
TB1-009	25	10/23/1997	Primary	Bedrock	Saturated	--	--	<0.5	89.8	9.1	--	--
TB1-010	1	12/9/1997	Primary	Fill/Brown	Unsaturated	--	<1	<0.5	93.5	7.8	--	--
TB1-010	6	12/9/1997	Primary	Fill	Unsaturated	--	<1	0.6	76.2	9.1	--	--
TB1-010	11	12/9/1997	Primary	Fill	Unsaturated	--	--	<0.5	92.1	9.1	--	--
TB1-011	1	12/9/1997	Duplicate	Fill/Brown	Unsaturated	--	<1	<0.5	91.3	8.2	--	--
TB1-011	1	12/9/1997	Primary	Fill/Brown	Unsaturated	--	<1	<0.5	94.8	8.5	--	--
TB1-011	4	12/9/1997	Primary	Fill	Unsaturated	30	--	--	--	--	--	--
TB1-011	9	12/9/1997	Primary	Bedrock	Unsaturated	2	--	<0.5	92.5	8.4	--	--
TB1-011	13	12/9/1997	Primary	Bedrock	Unsaturated	--	--	<0.5	88.6	8.4	--	--
TB1-012	1	12/8/1997	Duplicate	Fill/Green	Unsaturated	--	2	<0.5	87.7	8.8	--	--
TB1-012	1	11/25/1997	Primary	Fill/Green	Unsaturated	--	<1	<0.5	87.8	8.1	--	--
TB1-012	1	12/8/1997	Primary	Fill/Green	Unsaturated	--	2	<0.5	88.2	8.2	--	--
TB1-012	6	12/8/1997	Primary	Fill/Green	Unsaturated	--	<1	<0.5	78.4	8.3	--	--
TB1-012	10	12/8/1997	Primary	Fill/Green	Unsaturated	--	--	1	78.2	7.6	--	--
TB2-001	1	11/26/1997	Duplicate	Fill/Green	Unsaturated	--	2	<0.5	90.1	8.2	--	--
TB2-001	1	11/26/1997	Primary	Fill/Green	Unsaturated	--	<1	<0.5	96.9	8.4	--	--
TB2-001	7	11/26/1997	Primary	Bedrock	Unsaturated	--	--	0.6	81.6	7.7	--	--
TB2-001	12	11/26/1997	Primary	Bedrock	Unsaturated	--	--	1.8	89.6	9	--	--
TB2-002	1	11/26/1997	Primary	Fill/Brown	Unsaturated	--	<1	<0.5	95.1	9.1	--	--
TB2-002	7	11/26/1997	Primary	Fill/Green	Unsaturated	--	--	<0.5	88	8.1	--	--
TB2-002	12	11/26/1997	Primary	Fill/Green	Unsaturated	--	--	<0.5	91.5	8.3	--	--
TB2-003	1	12/2/1997	Primary	Fill/Green	Unsaturated	--	<1	<0.5	90.5	8.7	--	--
TB2-003	6	12/2/1997	Primary	Bedrock	Unsaturated	--	--	<0.5	75.5	8.7	--	--
TB2-003	10	12/2/1997	Primary	Bedrock	Unsaturated	--	--	<0.5	65.1	8.8	--	--
TB2-004	2	11/26/1997	Primary	Fill	Unsaturated	--	2	<0.5	88.2	9.7	--	--
TB2-004	6	11/26/1997	Primary	Bedrock	Unsaturated	--	--	<0.5	88.8	8.6	--	--

TABLE C-7

SUMMARY OF ANALYTICAL RESULTS FOR ASBESTOS, CYANIDE, PERCENT MOISTURE, pH, TOTAL SOLIDS, AND SULFIDE IN SOIL SAMPLES[1]

Potrero Power Plant

San Francisco, California

All concentrations are presented in milligrams per kilogram (mg/kg), unless otherwise noted

Sample Point	Depth (feet bgs)	Sample Date	Sample Type	Soil Type	Saturated/ Unsaturated	Asbestos, chrysotile (%) (N7400)	Asbestos, total (%) (N7400)	Cyanide, total EPA 9010	Moisture, percent D2216	pH (pH units) SW9045B	Solids, total (%) E160.3	Sulfide EPA 9030
TB2-004	10	11/26/1997	Duplicate	Bedrock	Unsaturated	--	--	<0.5	90.7	8.5	--	--
TB2-004	10	11/26/1997	Primary	Bedrock	Unsaturated	--	--	<0.5	91.3	8.5	--	--
TB2-005	1	11/21/1997	Primary	Fill/Green	Unsaturated	--	2	<0.5	90.3	9.6	--	--
TB2-005	6	11/25/1997	Primary	Bedrock	Unsaturated	--	<1	<0.5	79.7	8.6	--	--
TB2-005	6	11/25/1997	Duplicate	Bedrock	Unsaturated	--	<1	<0.5	85.3	8.6	--	--
TB2-005	10	11/25/1997	Primary	Bedrock	Unsaturated	--	--	<0.5	74.4	8.5	--	--
TB2-006	1	11/21/1997	Primary	Fill/Brown	Unsaturated	--	<1	<0.5	96.1	8.6	--	--
TB2-006	6	11/21/1997	Primary	Fill	Unsaturated	--	--	<0.5	72.1	9.4	--	--
TB2-006	10	11/21/1997	Primary	Bedrock	Unsaturated	--	--	<0.5	78	8.7	--	--
TB4-002	1	12/8/1997	Primary	Fill/Brown	Unsaturated	--	2	<0.5	93.9	8.5	--	--
TB4-002	1	12/8/1997	Duplicate	Fill/Brown	Unsaturated	--	<1	<0.5	95.7	8.5	--	--
TB4-002	6	12/8/1997	Primary	Bedrock	Unsaturated	--	--	<0.5	91.2	9.3	--	--
TB4-003	1	11/26/1997	Primary	Fill/Brown	Unsaturated	--	3	0.6	89.8	8.6	--	--
TB4-003	7	11/26/1997	Primary	Fill/Green	Saturated	--	--	<0.5	93.9	8.6	--	--
TB4-003	12	12/1/1997	Primary	Bedrock	Saturated	--	--	<0.5	86.4	10.3	--	--
TB4-004	1	12/8/1997	Primary	Fill/Brown	Unsaturated	--	<1	1	83.7	8	--	--
TB4-004	7	12/8/1997	Primary	Interface	Unsaturated	--	--	3.8	86.2	8.1	--	--
TB4-004	11	12/8/1997	Primary	Bedrock	Unsaturated	--	--	1.7	83.9	8.4	--	--
TB4-005	1	12/3/1997	Duplicate	Fill/Brown	Unsaturated	--	<1	<0.5	81.2	8.2	--	--
TB4-005	1	12/3/1997	Primary	Fill/Brown	Unsaturated	--	<1	<0.5	84	8.5	--	--
TB4-005	6	12/3/1997	Primary	Bedrock	Unsaturated	--	--	<0.5	88.8	8.7	--	--
TB4-005	10	12/3/1997	Primary	Bedrock	Unsaturated	--	--	<0.5	86.9	8.6	--	--
TB4-005	15	12/3/1997	Primary	Bedrock	Saturated	--	--	<0.5	83.5	8.8	--	--
TB4-006	1	12/3/1997	Primary	Fill/Brown	Unsaturated	--	--	1.2	84.5	7.3	--	--
TB4-006	1	12/3/1997	Primary	Fill/Brown	Unsaturated	--	<1	--	--	--	--	--
TB4-006	6	12/3/1997	Primary	Bedrock	Unsaturated	2	--	<0.5	82.2	8.1	--	--
TB4-006	10	12/3/1997	Primary	Bedrock	Unsaturated	--	--	<0.5	82.3	7.8	--	--
TB4-006	15	12/3/1997	Primary	Bedrock	Saturated	--	--	<0.5	88.7	9.2	--	--
TB4-007	2	12/8/1997	Primary	Fill/Brown	Unsaturated	--	<1	3.3	82.6	7.5	--	--
TB4-007	6	12/8/1997	Primary	Fill/Brown	Unsaturated	--	--	1.3	83.4	7.6	--	--
TB4-007	20	12/8/1997	Primary	Bedrock	Saturated	--	--	13.9	61.4	7.3	--	--
TB4-008	1	12/4/1997	Duplicate	Fill/Brown	Unsaturated	--	<1	9.2	75.5	6.9	--	--
TB4-008	1	12/4/1997	Primary	Fill/Brown	Unsaturated	--	<1	<0.5	83.7	7.3	--	--
TB4-008	4	12/4/1997	Primary	Fill/Green	Unsaturated	--	--	14.9	75.9	2.7	--	--
TB4-008	6	12/4/1997	Primary	Fill	Unsaturated	--	--	2.1	68.8	4.3	--	--
TB4-008	10	12/4/1997	Primary	Fill	Unsaturated	--	--	0.5	85.3	5	--	--
TB4-008	15	12/4/1997	Primary	Fill	Saturated	--	--	0.6	73.5	7.1	--	--
TB4-008	20	12/4/1997	Primary	Fill/Green	Saturated	--	--	16.5	68.4	7.6	--	--
TB4-008	30	12/4/1997	Primary	Fill/Brown	Saturated	--	--	0.6	80.9	8.7	--	--

TABLE C-7

SUMMARY OF ANALYTICAL RESULTS FOR ASBESTOS, CYANIDE, PERCENT MOISTURE, pH, TOTAL SOLIDS, AND SULFIDE IN SOIL SAMPLES[1]

Potrero Power Plant
San Francisco, California

All concentrations are presented in milligrams per kilogram (mg/kg), unless otherwise noted

Sample Point	Depth (feet bgs)	Sample Date	Sample Type	Soil Type	Saturated/ Unsaturated	Asbestos, chrysotile (%) (N7400)	Asbestos, total (%) (N7400)	Cyanide, total EPA 9010	Moisture, percent D2216	pH (pH units) SW9045B	Solids, total (%) E160.3	Sulfide EPA 9030
TB4-009	1	12/2/1997	Primary	Fill/Brown	Unsaturated	--	<1	0.7	81.4	8.2	--	--
TB4-009	1	12/2/1997	Duplicate	Fill/Brown	Unsaturated	--	<1	<0.5	83.7	8.1	--	--
TB4-009	6	12/2/1997	Primary	Fill/Brown	Unsaturated	--	--	<0.5	87.3	8.6	--	--
TB4-009	11	12/2/1997	Primary	Bedrock	Unsaturated	--	--	<0.5	73.6	8.6	--	--
TB4-009	16	12/2/1997	Primary	Bedrock	Unsaturated	--	--	<0.5	74.8	8.4	--	--
TB4-009	21	12/2/1997	Primary	Bedrock	Unsaturated	--	--	<0.5	83.7	8.2	--	--
TB4-010	1	12/2/1997	Primary	Fill/Green	Unsaturated	--	<1	<0.5	94.5	10.5	--	--
TB4-010	6	12/2/1997	Primary	Fill/Green	Unsaturated	--	--	<0.5	94.4	9.1	--	--
TB4-010	10	12/3/1997	Primary	Fill/Green	Unsaturated	--	--	<0.5	83	9.1	--	--
TB4-011	1	12/3/1997	Primary	Fill/Brown	Unsaturated	--	<1	<0.5	91.5	8.4	--	--
TB4-011	1	12/3/1997	Duplicate	Fill/Brown	Unsaturated	--	<1	<0.5	92	8.2	--	--
TB4-011	6	12/3/1997	Primary	Fill/Green	Unsaturated	--	--	0.6	81.2	4.3	--	--
TB4-011	11	12/3/1997	Primary	Fill/Green	Unsaturated	--	--	--	79.5	7.7	--	--
TB4-011	21	12/3/1997	Primary	Fill	Saturated	--	--	2.7	60.4	8.1	--	--
TB4-011	26	12/3/1997	Primary	Bedrock	Saturated	--	--	<0.5	88.5	9	--	--
TB4-012	3	12/1/1997	Primary	Fill/Green	Unsaturated	--	<1	6.1	89.1	11.2	--	--
TB4-012	6	12/1/1997	Primary	Fill/Green	Unsaturated	--	--	<0.5	78.6	12.6	--	--
TB4-012	10	12/1/1997	Primary	Fill/Green	Unsaturated	--	--	<0.5	85.6	8.6	--	--
TB4-013	1	12/1/1997	Primary	Fill/Brown	Unsaturated	--	<1	<0.5	85	8.6	--	--
TB4-013	1	12/1/1997	Duplicate	Fill/Brown	Unsaturated	--	<1	<0.5	87.4	8.4	--	--
TB4-013	6	12/1/1997	Primary	Fill/Brown	Saturated	--	--	1.1	76.4	8.3	--	--
TB4-013	11	12/1/1997	Primary	Bedrock	Saturated	--	--	<0.5	76.8	9.2	--	--
TB4-014	1	12/3/1997	Primary	Fill/Brown	Unsaturated	--	<1	1.6	87.8	7.5	--	--
TB4-014	6	12/3/1997	Primary	Fill/Brown	Unsaturated	--	--	<0.5	72.1	4.9	--	--
TB4-014	11	12/3/1997	Primary	Fill/Brown	Unsaturated	--	--	13.9	84.8	5	--	--
TB4-014	21	12/3/1997	Primary	Bedrock	Saturated	--	--	3.7	89.7	8.2	--	--
TB4-015	1	12/1/1997	Primary	Fill	Unsaturated	--	<1	26.7	73.1	7	--	--
TB4-015	6	12/1/1997	Primary	Fill	Unsaturated	--	--	<0.5	72.5	7.6	--	--
TB4-015	11	12/2/1997	Primary	Fill	Unsaturated	--	--	1	85.4	8.1	--	--
TB4-015	20	12/2/1997	Primary	Fill/Brown	Saturated	--	--	5.7	67.5	8	--	--
TB4-015	30	12/2/1997	Primary	Bedrock	Saturated	--	--	<0.5	79.4	8.5	--	--
TB5-001	1	12/2/1997	Primary	Fill/Brown	Unsaturated	--	<1	<0.5	88.1	8.5	--	--

TABLE C-7

SUMMARY OF ANALYTICAL RESULTS FOR ASBESTOS, CYANIDE, PERCENT MOISTURE, pH, TOTAL SOLIDS, AND SULFIDE IN SOIL SAMPLES[1]

Potrero Power Plant
San Francisco, California

All concentrations are presented in milligrams per kilogram (mg/kg), unless otherwise noted

Sample Point	Depth (feet bgs)	Sample Date	Sample Type	Soil Type	Saturated/ Unsaturated	Asbestos, chrysotile (%) (N7400)	Asbestos, total (%) (N7400)	Cyanide, total EPA 9010	Moisture, percent D2216	pH (pH units) SW9045B	Solids, total (%) E160.3	Sulfide EPA 9030
TB5-001	6	12/2/1997	Primary	Fill/Green	Unsaturated	--	<1	<0.5	83.4	8.6	--	--
TB5-001	10	12/2/1997	Primary	Bedrock	Unsaturated	--	--	<0.5	87	9	--	--
TB5-001	15	12/2/1997	Primary	Bedrock	Unsaturated	--	--	<0.5	94.4	8.2	--	--
TB5-002	1	11/26/1997	Primary	Fill	Unsaturated	--	2	0.6	80.4	8.2	--	--
TB5-002	6	11/26/1997	Primary	Fill	Unsaturated	--	<1	<0.5	82	8.3	--	--
TB5-002	10	11/26/1997	Primary	Fill	Unsaturated	--	--	<0.5	82.7	8.1	--	--
TB5-003	1	11/26/1997	Primary	Fill/Brown	Unsaturated	--	2	<0.5	93.4	8.3	--	--
TB5-003	6	11/26/1997	Primary	Bedrock	Unsaturated	--	<1	<0.5	74.2	8.3	--	--
TB5-003	10	11/26/1997	Primary	Bedrock	Saturated	--	--	<0.5	76.3	8.6	--	--
TS1-017	1	12/9/1997	Primary	Fill	Unsaturated	--	--	--	93.5	8.1	--	--
TS1-018	1	12/9/1997	Primary	Fill	Unsaturated	--	--	--	94.7	8.9	--	--
TS1-019	1	12/9/1997	Primary	Fill	Unsaturated	--	--	--	95.5	8.3	--	--
Fluor Daniel GTI, 1998, Phase II Environmental Site Assessment Addendum, Potrero Power Plant, September--Analytical results reported in wet weight.												
TB4-017	36	3/3/1998	Primary	Fill/Brown	Saturated	--	--	<0.25	--	--	--	--
TB4-017	41	3/3/1998	Primary	Fill/Brown	Saturated	--	--	<0.25	--	--	--	--
TB4-017	41	3/3/1998	Duplicate	Fill/Brown	Saturated	--	--	<0.25	--	--	--	--
TB4-017	46	3/3/1998	Primary	Fill/Brown	Saturated	--	--	<0.25	--	--	--	--

Notes:

1. Soil samples analyzed for asbestos using NIOSH Method N7400, cyanide using EPA method SW9010, percent moisture using D2216, pH using EPA Method 9045B, total solids using EPA Method E160.3, and sulfide using EPA Method 9030.
2. No information was provided in the analytical laboratory reports or Soil Investigation Report (TES, 1991) regarding wet or dry weight basis of soil sample results. The results were assumed to have been reported on a wet weight basis.
3. The results higlighted in green were sampled from the Station A PG&E Area.

Abbreviations

EPA = U.S. Environmental Protection Agency
feet bgs = feet below ground surface
< = not detected above the laboratory reporting limit
-- = not analyzed

TABLE C-8

SUMMARY OF ANALYTICAL RESULTS FOR POLYCHLORINATED BIPHENYLS (PCBs) IN GROUNDWATER SAMPLES[1]

Potrero Power Plant
San Francisco, California

All concentrations are milligrams per liter (mg/L).

Sample Point	Sample Date	Sample Type	PCB 1016	PCB 1221	PCB 1232	PCB 1242	PCB 1248	PCB 1254	PCB 1260	PCBs, total
Fluor Daniel GTI, 1998, Phase II Environmental Site Assessment, Potrero Power Plant, June.										
APT-1	10/15/1997	Primary	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
MW-1	10/14/1997	Primary	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
MW-2	10/14/1997	Primary	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
MW-4	10/14/1997	Primary	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
MW-5	10/14/1997	Primary	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
MW-6	10/14/1997	Primary	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
MW-7	10/14/1997	Primary	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
POT-9	10/14/1997	Primary	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
POT-14	10/15/1997	Primary	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
POT-15	10/15/1997	Primary	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
POT-15	10/15/1997	Duplicate	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TB1-001	12/10/1997	Primary	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
TB1-002	12/10/1997	Primary	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
TB1-008	12/9/1997	Primary	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
TB1-009	12/2/1997	Primary	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
TB1-011	12/10/1997	Primary	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
TB2-003	12/10/1997	Primary	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
TB2-005	12/2/1997	Primary	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
TB4-005	12/10/1997	Primary	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
TB4-006	12/9/1997	Primary	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
TB4-007	12/10/1997	Primary	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
TB4-008	12/9/1997	Primary	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
TB4-011	12/9/1997	Primary	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
TB4-013	12/9/1997	Primary	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
TB4-013	12/9/1997	Duplicate	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
TB4-015	12/9/1997	Primary	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
TB5-001	12/10/1997	Primary	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
TB5-002	12/2/1997	Primary	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
TB5-003	12/2/1997	Primary	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005

Notes
1. Groundwater samples collected from monitoring wells and analyzed for polychlorinated biphenyls (PCBs) using EPA Method 8081.
2. The results higlighted in green were sampled from the Station A PG&E Area.

Abbreviations:
EPA = U.S. Environmental Protection Agency
-- = not analyzed
< = concentration below detection limit

TABLE C-9

SUMMARY OF ANALYTICAL RESULTS FOR SEMIVOLATILE ORGANIC COMPOUNDS (SVOCs) IN GROUNDWATER SAMPLES [1]

Potrero Power Plant

San Francisco, California

All concentrations are milligrams per liter (mg/L).

Sample Point	Sample Date	Sample Type	Chloro-phenol, 2-	Dichloro-phenol, 2,4-	Dichloro-phenol, 2,6-	Dimethyl-phenol, 2,4-	Dinitro-2-methyl-phenol, 4,6-	Dinitro-phenol, 2,4-	Methyl-phenol, 2-	Methyl-phenol, 3-	Methyl-phenol, 4-chloro-3-	Nitro-phenol, 2-	Nitro-phenol, 4-	Penta-chloro-phenol	Phenol	Trichloro-phenol, 2,4,6-	Trichloro-phenol, 2,6- [2]
Fluor Daniel GTI, 1998, Phase II Environmental Site Assessment, Potrero Power Plant, June.																	
MW-1	10/14/1997	Primary	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.01	<0.1	<0.02	<0.01	<0.05	<0.05	<0.01	<0.01	--
MW-4	10/14/1997	Primary	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.01	<0.1	<0.02	<0.01	<0.05	<0.05	<0.01	<0.01	--
MW-5	10/14/1997	Primary	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.01	<0.1	<0.02	<0.01	<0.05	<0.05	<0.01	<0.01	--
MW-6	10/14/1997	Primary	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.01	<0.1	<0.02	<0.01	<0.05	<0.05	<0.01	<0.01	--
MW-7	10/14/1997	Primary	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.01	<0.1	<0.02	<0.01	<0.05	<0.05	<0.01	<0.01	--
POT-9	10/14/1997	Primary	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.01	<0.1	<0.02	<0.01	<0.05	<0.05	<0.01	<0.01	--
APT-1	10/15/1997	Primary	<0.01	<0.01	--	<0.01	<0.05	<0.05	<0.01	<0.1	<0.02	<0.01	<0.05	<0.05	<0.01	<0.01	<0.01
POT-14	10/15/1997	Primary	<0.01	<0.01	--	<0.01	<0.05	<0.05	<0.01	<0.1	<0.02	<0.01	<0.05	<0.05	<0.01	<0.01	<0.01
POT-15	10/15/1997	Primary	<0.01	<0.01	--	<0.01	<0.05	<0.05	<0.01	<0.1	<0.02	<0.01	<0.05	<0.05	<0.01	<0.01	<0.01
POT-15	10/15/1997	Duplicate	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.01	<0.1	<0.02	<0.01	<0.05	<0.05	<0.01	<0.01	<0.01
TB1-009	12/2/1997	Primary	<0.1	<0.1	--	<0.1	<0.5	<0.5	<0.1	<1	<0.2	<0.1	<0.5	<0.5	<0.1	<0.1	--
TB2-005	12/2/1997	Primary	<0.01	<0.01	--	<0.01	<0.05	<0.05	<0.01	<0.1	<0.02	<0.01	<0.05	<0.05	<0.01	<0.01	--
TB5-002	12/2/1997	Primary	<0.01	<0.01	--	<0.01	<0.05	<0.05	<0.01	<0.1	<0.02	<0.01	<0.05	<0.05	<0.01	<0.01	--
TB5-003	12/2/1997	Primary	<0.01	<0.01	--	<0.01	<0.05	<0.05	<0.01	<0.1	<0.02	<0.01	<0.05	<0.05	<0.01	<0.01	--
TB1-008	12/9/1997	Primary	<0.0102	<0.0102	<0.0102	<0.0102	<0.051	<0.051	<0.0102	<0.102	<0.0204	<0.0102	<0.051	<0.051	<0.0102	<0.0102	--
TB4-006	12/9/1997	Primary	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.01	<0.1	<0.02	<0.01	<0.05	<0.05	<0.01	<0.01	--
TB4-008	12/9/1997	Primary	<0.1	<0.1	<0.01	<0.1	<0.5	<0.5	<0.1	<1	<0.2	<0.1	<0.5	<0.5	<0.1	<0.1	--
TB4-011	12/9/1997	Primary	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.01	<0.1	<0.02	<0.01	<0.05	<0.05	<0.01	<0.01	--
TB4-013	12/9/1997	Primary	<0.0102	<0.0102	<0.0102	<0.0102	<0.051	<0.051	<0.0102	<0.102	<0.0204	<0.0102	<0.051	<0.051	<0.0102	<0.0102	--
TB4-013	12/9/1997	Duplicate	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.01	<0.1	<0.02	<0.01	<0.05	<0.05	<0.01	<0.01	--
TB4-015	12/9/1997	Primary	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.01	<0.1	<0.02	<0.01	<0.05	<0.05	<0.01	<0.01	--
TB1-001	12/10/1997	Primary	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.01	<0.1	<0.02	<0.01	<0.05	<0.05	<0.01	<0.01	--
TB1-002	12/10/1997	Primary	<0.1	<0.1	<0.1	<0.1	<0.5	<0.5	<0.1	<1	<0.2	<0.1	<0.5	<0.5	<0.1	<0.1	--
TB1-011	12/10/1997	Primary	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.01	<0.1	<0.02	<0.01	<0.05	<0.05	<0.01	<0.01	--
TB2-003	12/10/1997	Primary	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.01	<0.1	<0.02	<0.01	<0.05	<0.05	<0.01	<0.01	--
TB4-005	12/10/1997	Primary	<0.01	<0.01	--	<0.01	<0.05	<0.05	<0.01	<0.1	<0.02	<0.01	<0.05	<0.05	<0.01	<0.01	--
TB4-007	12/10/1997	Primary	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.01	<0.1	<0.02	<0.01	<0.05	<0.05	<0.01	<0.01	--
TB5-001	12/10/1997	Primary	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.01	<0.1	<0.02	<0.01	<0.05	<0.05	<0.01	<0.01	--
Geomatrix Consultants, Inc., 2004, Ammonia Facility Construction Sampling, March. [3]																	
POT-15	2/25/2004	Primary	<0.01	<0.01	--	<0.01	<0.01	<0.01	<0.01	--	<0.01	<0.01	<0.03	<0.01	<0.01	<0.01	--

Notes:

1. Groundwater samples collected from monitoring wells and analyzed for semivolatile organic compounds (SVOCs) EPA Method 8270 (1997) or EPA Method 8270C (2004).
2. Reported as 2,6-trichlorophenol by Fluor-Daniel, GTI (1998); the specific trichlorophenol congener is unclear.
3. A groundwater sample was collected from monitoring well POT-15 by Geomatrix Consultants, Inc., as part of pre-construction activities for the Ammonia Unloading/Storage Facility Area and analyzed for semivolatile organic compounds (SVOCs) using EPA Method 8270C; the following SVOCs were included as target analytes, but not detected above the laboratory analytical reporting limit of 0.01 mg/L: Aniline; Azobenzene; Benzidine; Benzoicacid; Benzylalcohol; Bis(2-chloroethoxy)methane; Bis(2-chloroethyl)ether; Bis(2-chloroisopropyl)ether; Bis(2-ethylhexyl)phthalate; 4-Bromophenylphenylether; Butylbenzylphthalate; 4-Chloroaniline; 2-Chloronaphthalene; 4-Chlorophenylphenylether; Dibenzofuran; 1,2-Dichlorobenzene; 1,3-Dichlorobenzene; 1,4-Dichlorobenzene; 3,3'-Dichlorobenzidine; Diethylphthalate; Dimethylphthalate; Di-n-butylphthalate; 2,4-Dinitrotoluene; 2,6-Dinitrotoluene; Di-n-octylphthalate; Hexachlorobenzene; Hexachlorobutadiene; Hexachlorocyclopentadiene; Hexachloroethane; Isophorone; 2-Methylnaphthalene; 4-Methylphenol; 2-Nitroaniline; 3-Nitroaniline; 4-Nitroaniline; Nitrobenzene; N-Nitrosodimethylamine; N-Nitrosodi-N-propylamine; N-Nitrosodiphenylamine; 1,2,4-Trichlorobenzene; and 2,4,5-Trichlorophenol.
4. The results higlighted in green were sampled from the Station A PG&E Area.

Abbreviations:

EPA = U.S. Environmental Protection Agency

-- = not analyzed

< = concentration below detection limit

TABLE C-10

SUMMARY OF ANALYTICAL RESULTS FOR VOLATILE ORGANIC COMPOUNDS (VOCs) IN GROUNDWATER SAMPLES [1]

Potrero Power Plant

San Francisco, California

All concentrations are milligrams per liter (mg/L)

Sample Point	Sample Date	Sample Type	Analytical Method	Benzene	Toluene	Ethyl benzene	Xylenes, total	MTBE	Chlorobenzene	Dichlorobenzene, 1,2-	Dichlorobenzene, 1,3-	Dichlorobenzene, 1,4-	Bromo benzene	Bromo-chloromethane	Bromo-dichloro-methane	Bromo-form	Bromo-methane	Butyl-benzene, 1-	Butyl-benzene, sec-	Butyl-benzene, tert-	Carbon tetra-chloride
Ecology & the Environment, 1990, Site Characterization Report, Potrero Power Plant, October 26.																					
MW-1	11/--/1989	Primary	EPA 602	<0.01	<0.01	<0.01	<0.01	--	<0.01	<0.01	<0.01	<0.01	--	--	--	--	--	--	--	--	--
MW-1	6/1/1990	Primary	EPA 602	<1.25	<1.25	**1.31**	**4.3**	--	<1.25	<1.25	<1.25	<1.25	--	--	--	--	--	--	--	--	--
MW-2	11/--/1989	Primary	EPA 602	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	--	--	--	--	--
MW-2	6/1/1990	Primary	EPA 602	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	--	--	--	--	--
MW-3	11/--/1989	Primary	EPA 602	**0.19**	<0.05	<0.05	<0.05	--	<0.05	<0.05	<0.05	<0.05	--	--	--	--	--	--	--	--	--
MW-3	6/1/1990	Primary	EPA 602	<0.25	<0.25	**0.82**	**0.72**	--	<0.25	<0.25	<0.25	<0.25	--	--	--	--	--	--	--	--	--
MW-4	3/30/1990	Primary	EPA 602	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	--	--	--	--	--
MW-4	3/30/1990	Duplicate	EPA 602	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	--	--	--	--	--
MW-4	6/1/1990	Primary	EPA 602	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	--	--	--	--	--
MW-4	6/1/1990	Primary	EPA 602	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	--	--	--	--	--
MW-5	11/--/1989	Primary	EPA 602	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	--	--	--	--	--
MW-5	11/--/1989	Duplicate	EPA 602	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	--	--	--	--	--
MW-5	6/1/1990	Primary	EPA 602	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	--	--	--	--	--
MW-6	03/30/1990	Primary	EPA 602	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	--	--	--	--	--
MW-6	6/1/1990	Primary	EPA 602	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	--	--	--	--	--
MW-7	03/30/1990	Primary	EPA 602	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	--	--	--	--	--
MW-7	6/1/1990	Primary	EPA 602	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	--	--	--	--	--
Ecology & the Environment, 1991, Preliminary Endangerment Assessment, Potrero Power Plant, October 16.																					
APT-1	3/11/1991	Primary	EPA 8020	<0.0003	<0.0003	<0.0003	<0.001	--	<0.0003	<0.001	<0.0007	<0.0007	--	--	--	--	--	--	--	--	--
MW-2	3/12/1991	Primary	EPA 8020	<0.0003	<0.0003	<0.0003	<0.001	--	<0.0003	<0.001	<0.0007	<0.0007	--	--	--	--	--	--	--	--	--
MW-6	3/13/1991	Primary	EPA 8020	<0.0003	<0.0003	<0.0003	<0.001	--	<0.0003	<0.001	<0.0007	<0.0007	--	--	--	--	--	--	--	--	--
MW-7	3/11/1991	Primary	EPA 8020	<0.0003	<0.0003	<0.0003	<0.001	--	<0.0003	<0.001	<0.0007	<0.0007	--	--	--	--	--	--	--	--	--
POT-9	3/12/1991	Primary	EPA 8020	<0.0003	<0.0003	<0.0003	<0.001	--	<0.0003	<0.001	<0.0007	<0.0007	--	--	--	--	--	--	--	--	--
POT-14	3/13/1991	Primary	EPA 8020	<0.0003	<0.0003	<0.0003	<0.001	--	<0.0003	<0.001	<0.0007	<0.0007	--	--	--	--	--	--	--	--	--
POT-15	3/14/1991	Primary	EPA 8020	<0.0003	<0.0003	<0.0003	<0.001	--	<0.0003	<0.001	<0.0007	<0.0007	--	--	--	--	--	--	--	--	--
POT-15	3/14/1991	Duplicate	EPA 8020	<0.0003	<0.0003	<0.0003	<0.001	--	<0.0003	<0.001	<0.0007	<0.0007	--	--	--	--	--	--	--	--	--
EMCON, 1998, Groundwater Monitoring and Sampling Report, Potrero Power Plant, 1201 Illinois Street, San Francisco, CA, First Quarter 1998, April.																					
MW-2	10/31/1991	Primary	Unknown	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	1/25/1991	Primary	Unknown	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	4/9/1991	Primary	Unknown	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	7/25/1991	Primary	Unknown	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	10/17/1991	Primary	Unknown	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	1/22/1992	Primary	Unknown	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	4/17/1992	Primary	Unknown	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	7/21/1992	Primary	Unknown	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	10/19/1992	Primary	Unknown	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	1/21/1993	Primary	Unknown	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	4/30/1993	Primary	Unknown	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	7/30/1993	Primary	Unknown	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	10/26/1993	Primary	Unknown	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	2/14/1994	Primary	Unknown	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	4/29/1994	Primary	Unknown	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	7/29/1994	Primary	Unknown	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	12/7/1994	Primary	Unknown	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	2/21/1995	Primary	Unknown	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	2/27/1996	Primary	Unknown	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	10/31/1990	Primary	Unknown	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	1/25/1991	Primary	Unknown	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	4/9/1991	Primary	Unknown	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	7/25/1991	Primary	Unknown	<0.0005	<0.0005	**0.0008**	**0.0022**	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	10/17/1991	Primary	Unknown	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE C-10

SUMMARY OF ANALYTICAL RESULTS FOR VOLATILE ORGANIC COMPOUNDS (VOCs) IN GROUNDWATER SAMPLES [1]

Potrero Power Plant

San Francisco, California

All concentrations are milligrams per liter (mg/L)

Sample Point	Sample Date	Sample Type	Analytical Method	Chloro-ethane	Chloro-ethylvinyl ether, 2-	Chloro-form	Chloro-methane	Chloro-toluene, 2-	Chloro-toluene, 4-	Dibromo-chloro-methane	Dibromo-chloro-propane	Dichloro-difluoro-methane	Dichloro-ethane, 1,1-	Dichloro-ethane, 1,2-	Dichloro-ethene, 1,1-	Dichloro-ethene, 1,2-, cis-	Dichloro-ethene, 1,2-, trans-	Dichloro-ethenes, 1,2-, total	Dichloro-propane, 1,2-	Dichloro-propane, 1,3-	Dichloro-propane, 2,2-
Ecology & the Environment, 1990, Site Characterization Report, Potrero Power Plant, October 26.																					
MW-1	11/--/1989	Primary	EPA 602	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	6/1/1990	Primary	EPA 602	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	11/--/1989	Primary	EPA 602	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	6/1/1990	Primary	EPA 602	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	11/--/1989	Primary	EPA 602	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	6/1/1990	Primary	EPA 602	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	3/30/1990	Primary	EPA 602	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	3/30/1990	Duplicate	EPA 602	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	6/1/1990	Primary	EPA 602	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	6/1/1990	Primary	EPA 602	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	11/--/1989	Primary	EPA 602	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	11/--/1989	Duplicate	EPA 602	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	6/1/1990	Primary	EPA 602	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	03/30/1990	Primary	EPA 602	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	6/1/1990	Primary	EPA 602	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	03/30/1990	Primary	EPA 602	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	6/1/1990	Primary	EPA 602	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ecology & the Environment, 1991, Preliminary Endangerment Assessment, Potrero Power Plant, October 16.																					
APT-1	3/11/1991	Primary	EPA 8020	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	3/12/1991	Primary	EPA 8020	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	3/13/1991	Primary	EPA 8020	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	3/11/1991	Primary	EPA 8020	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
POT-9	3/12/1991	Primary	EPA 8020	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
POT-14	3/13/1991	Primary	EPA 8020	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
POT-15	3/14/1991	Primary	EPA 8020	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
POT-15	3/14/1991	Duplicate	EPA 8020	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
EMCON, 1998, Groundwater Monitoring and Sampling Report, Potrero Power Plant, 1201 Illinois Street, San Francisco, CA, First Quarter 1998, April.																					
MW-2	10/31/1991	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	1/25/1991	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	4/9/1991	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	7/25/1991	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	10/17/1991	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	1/22/1992	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	4/17/1992	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	7/21/1992	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	10/19/1992	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	1/21/1993	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	4/30/1993	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	7/30/1993	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	10/26/1993	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	2/14/1994	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	4/29/1994	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	7/29/1994	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	12/7/1994	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	2/21/1995	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	2/27/1996	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	10/31/1990	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	1/25/1991	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	4/9/1991	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	7/25/1991	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	10/17/1991	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE C-10

SUMMARY OF ANALYTICAL RESULTS FOR VOLATILE ORGANIC COMPOUNDS (VOCs) IN GROUNDWATER SAMPLES [1]

Potrero Power Plant

San Francisco, California

All concentrations are milligrams per liter (mg/L)

Sample Point	Sample Date	Sample Type	Analytical Method	Dichloro-propene, 1,1-	Dichloro-propene, 1,3-, cis-	Dichloro-propene, 1,3-, trans-	Ethylene dibromide	Hexachloro-butadiene	Isopropyl-benzene	Isopropy-ltoluene, 4-	Methylene bromide	Methylene chloride	Naph-thalene	Propyl-benzene, 1-	Styrene	Tetrachloro-ethane, 1,1,1,2-	Tetrachloro-ethane, 1,1,2,2-	Tetrachloroethene	Trichloro-1,2,2-trifluoroethane, 1,1,2-	Trichloro-benzene, 1,2,3-
Ecology & the Environment, 1990, Site Characterization Report, Potrero Power Plant, October 26.																				
MW-1	11/--/1989	Primary	EPA 602	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	6/1/1990	Primary	EPA 602	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	11/--/1989	Primary	EPA 602	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	6/1/1990	Primary	EPA 602	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	11/--/1989	Primary	EPA 602	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	6/1/1990	Primary	EPA 602	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	3/30/1990	Primary	EPA 602	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	3/30/1990	Duplicate	EPA 602	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	6/1/1990	Primary	EPA 602	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	6/1/1990	Primary	EPA 602	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	11/--/1989	Primary	EPA 602	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	11/--/1989	Duplicate	EPA 602	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	6/1/1990	Primary	EPA 602	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	03/30/1990	Primary	EPA 602	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	6/1/1990	Primary	EPA 602	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	03/30/1990	Primary	EPA 602	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	6/1/1990	Primary	EPA 602	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ecology & the Environment, 1991, Preliminary Endangerment Assessment, Potrero Power Plant, October 16.																				
APT-1	3/11/1991	Primary	EPA 8020	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	3/12/1991	Primary	EPA 8020	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	3/13/1991	Primary	EPA 8020	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	3/11/1991	Primary	EPA 8020	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
POT-9	3/12/1991	Primary	EPA 8020	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
POT-14	3/13/1991	Primary	EPA 8020	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
POT-15	3/14/1991	Primary	EPA 8020	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
POT-15	3/14/1991	Duplicate	EPA 8020	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
EMCON, 1998, Groundwater Monitoring and Sampling Report, Potrero Power Plant, 1201 Illinois Street, San Francisco, CA, First Quarter 1998, April.																				
MW-2	10/31/1991	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	1/25/1991	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	4/9/1991	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	7/25/1991	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	10/17/1991	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	1/22/1992	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	4/17/1992	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	7/21/1992	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	10/19/1992	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	1/21/1993	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	4/30/1993	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	7/30/1993	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	10/26/1993	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	2/14/1994	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	4/29/1994	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	7/29/1994	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	12/7/1994	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	2/21/1995	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	2/27/1996	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	10/31/1990	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	1/25/1991	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	4/9/1991	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	7/25/1991	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	10/17/1991	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE C-10

SUMMARY OF ANALYTICAL RESULTS FOR VOLATILE ORGANIC COMPOUNDS (VOCs) IN GROUNDWATER SAMPLES [1]

Potrero Power Plant

San Francisco, California

All concentrations are milligrams per liter (mg/L)

Sample Point	Sample Date	Sample Type	Analytical Method	Trichloro-benzene, 1,2,4-	Trichloro-ethane, 1,1,1-	Trichloro-ethane, 1,1,2-	Trichloro-ethene	Trichloro-fluoro-methane	Trichloro-propane, 1,2,3-	Trifluoro-1,2-dichloro-ethane, 1,1,2-	Trimethyl-benzene, 1,2,4-	Trimethyl-benzene, 1,3,5-	Vinyl chloride	Xylene, 1,2-	Xylene, 1,3 and/or 1,4-
Ecology & the Environment, 1990, Site Characterization Report, Potrero Power Plant, October 26.															
MW-1	11/--/1989	Primary	EPA 602	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	6/1/1990	Primary	EPA 602	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	11/--/1989	Primary	EPA 602	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	6/1/1990	Primary	EPA 602	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	11/--/1989	Primary	EPA 602	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	6/1/1990	Primary	EPA 602	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	3/30/1990	Primary	EPA 602	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	3/30/1990	Duplicate	EPA 602	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	6/1/1990	Primary	EPA 602	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	6/1/1990	Primary	EPA 602	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	11/--/1989	Primary	EPA 602	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	11/--/1989	Duplicate	EPA 602	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	6/1/1990	Primary	EPA 602	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	03/30/1990	Primary	EPA 602	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	6/1/1990	Primary	EPA 602	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	03/30/1990	Primary	EPA 602	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	6/1/1990	Primary	EPA 602	--	--	--	--	--	--	--	--	--	--	--	--
Ecology & the Environment, 1991, Preliminary Endangerment Assessment, Potrero Power Plant, October 16.															
APT-1	3/11/1991	Primary	EPA 8020	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	3/12/1991	Primary	EPA 8020	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	3/13/1991	Primary	EPA 8020	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	3/11/1991	Primary	EPA 8020	--	--	--	--	--	--	--	--	--	--	--	--
POT-9	3/12/1991	Primary	EPA 8020	--	--	--	--	--	--	--	--	--	--	--	--
POT-14	3/13/1991	Primary	EPA 8020	--	--	--	--	--	--	--	--	--	--	--	--
POT-15	3/14/1991	Primary	EPA 8020	--	--	--	--	--	--	--	--	--	--	--	--
POT-15	3/14/1991	Duplicate	EPA 8020	--	--	--	--	--	--	--	--	--	--	--	--
EMCON, 1998, Groundwater Monitoring and Sampling Report, Potrero Power Plant, 1201 Illinois Street, San Francisco, CA, First Quarter 1998, April.															
MW-2	10/31/1991	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	1/25/1991	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	4/9/1991	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	7/25/1991	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	10/17/1991	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	1/22/1992	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	4/17/1992	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	7/21/1992	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	10/19/1992	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	1/21/1993	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	4/30/1993	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	7/30/1993	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	10/26/1993	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	2/14/1994	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	4/29/1994	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	7/29/1994	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	12/7/1994	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	2/21/1995	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	2/27/1996	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	10/31/1990	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	1/25/1991	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	4/9/1991	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	7/25/1991	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	10/17/1991	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--

TABLE C-10

SUMMARY OF ANALYTICAL RESULTS FOR VOLATILE ORGANIC COMPOUNDS (VOCs) IN GROUNDWATER SAMPLES [1]

Potrero Power Plant

San Francisco, California

All concentrations are milligrams per liter (mg/L)

Sample Point	Sample Date	Sample Type	Analytical Method	Benzene	Toluene	Ethyl benzene	Xylenes, total	MTBE	Chlorobenzene	Dichlorobenzene, 1,2-	Dichlorobenzene, 1,3-	Dichlorobenzene, 1,4-	Bromo benzene	Bromo-chloromethane	Bromo-dichloro-methane	Bromo-form	Bromo-methane	Butyl-benzene, 1-	Butyl-benzene, sec-	Butyl-benzene, tert-	Carbon tetra-chloride
MW-4	1/22/1992	Primary	Unknown	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	4/17/1992	Primary	Unknown	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	7/21/1992	Primary	Unknown	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	10/19/1992	Primary	Unknown	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	1/21/1993	Primary	Unknown	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	4/30/1993	Primary	Unknown	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	7/30/1993	Primary	Unknown	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	10/26/1993	Primary	Unknown	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	2/14/1994	Primary	Unknown	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	4/29/1994	Primary	Unknown	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	7/29/1994	Primary	Unknown	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	12/7/1994	Primary	Unknown	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	2/21/1995	Primary	Unknown	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	10/31/1990	Primary	Unknown	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	1/25/1991	Primary	Unknown	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	4/9/1991	Primary	Unknown	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	7/25/1991	Primary	Unknown	<0.0005	<0.0005	**0.0009**	**0.0023**	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	10/17/1991	Primary	Unknown	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	1/22/1992	Primary	Unknown	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	4/17/1992	Primary	Unknown	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	7/21/1992	Primary	Unknown	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	10/19/1992	Primary	Unknown	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	1/21/1993	Primary	Unknown	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	4/30/1993	Primary	Unknown	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	7/30/1993	Primary	Unknown	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	10/26/1993	Primary	Unknown	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	2/14/1994	Primary	Unknown	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	4/29/1994	Primary	Unknown	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	7/29/1994	Primary	Unknown	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	12/7/1994	Primary	Unknown	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	2/21/1995	Primary	Unknown	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	5/17/1995	Primary	Unknown	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	8/11/1995	Primary	Unknown	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	12/19/1995	Primary	Unknown	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	2/27/1996	Primary	Unknown	<0.0005	<0.0005	<0.0005	<0.0005	<0.005	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	10/31/1990	Primary	Unknown	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	1/25/1991	Primary	Unknown	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	4/9/1991	Primary	Unknown	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	7/25/1991	Primary	Unknown	<0.0005	<0.0005	**0.0009**	**0.0019**	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	10/17/1991	Primary	Unknown	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	1/22/1992	Primary	Unknown	**0.0027**	**0.005**	**0.0009**	**0.0052**	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	4/17/1992	Primary	Unknown	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	7/21/1992	Primary	Unknown	<0.0005	**0.0011**	<0.0005	**0.0013**	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	10/19/1992	Primary	Unknown	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	1/21/1993	Primary	Unknown	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	4/30/1993	Primary	Unknown	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	7/30/1993	Primary	Unknown	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	10/26/1993	Primary	Unknown	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	2/14/1994	Primary	Unknown	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	4/29/1994	Primary	Unknown	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	7/29/1994	Primary	Unknown	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	12/7/1994	Primary	Unknown	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE C-10

SUMMARY OF ANALYTICAL RESULTS FOR VOLATILE ORGANIC COMPOUNDS (VOCs) IN GROUNDWATER SAMPLES [1]

Potrero Power Plant

San Francisco, California

All concentrations are milligrams per liter (mg/L)

Sample Point	Sample Date	Sample Type	Analytical Method	Chloro-ethane	Chloro-ethylvinyl ether, 2-	Chloro-form	Chloro-methane	Chloro-toluene, 2-	Chloro-toluene, 4-	Dibromo-chloro-methane	Dibromo-chloro-propane	Dichloro-difluoro-methane	Dichloro-ethane, 1,1-	Dichloro-ethane, 1,2-	Dichloro-ethene, 1,1-	Dichloro-ethene, 1,2-, cis-	Dichloro-ethene, 1,2-, trans-	Dichloro-ethenes, 1,2-, total	Dichloro-propane, 1,2-	Dichloro-propane, 1,3-	Dichloro-propane, 2,2-
MW-4	1/22/1992	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	4/17/1992	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	7/21/1992	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	10/19/1992	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	1/21/1993	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	4/30/1993	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	7/30/1993	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	10/26/1993	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	2/14/1994	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	4/29/1994	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	7/29/1994	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	12/7/1994	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	2/21/1995	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	10/31/1990	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	1/25/1991	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	4/9/1991	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	7/25/1991	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	10/17/1991	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	1/22/1992	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	4/17/1992	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	7/21/1992	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	10/19/1992	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	1/21/1993	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	4/30/1993	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	7/30/1993	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	10/26/1993	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	2/14/1994	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	4/29/1994	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	7/29/1994	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	12/7/1994	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	2/21/1995	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	5/17/1995	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	8/11/1995	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	12/19/1995	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	2/27/1996	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	10/31/1990	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	1/25/1991	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	4/9/1991	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	7/25/1991	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	10/17/1991	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	1/22/1992	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	4/17/1992	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	7/21/1992	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	10/19/1992	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	1/21/1993	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	4/30/1993	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	7/30/1993	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	10/26/1993	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	2/14/1994	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	4/29/1994	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	7/29/1994	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	12/7/1994	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE C-10

SUMMARY OF ANALYTICAL RESULTS FOR VOLATILE ORGANIC COMPOUNDS (VOCs) IN GROUNDWATER SAMPLES [1]

Potrero Power Plant

San Francisco, California

All concentrations are milligrams per liter (mg/L)

Sample Point	Sample Date	Sample Type	Analytical Method	Dichloro-propene, 1,1-	Dichloro-propene, 1,3-, cis-	Dichloro-propene, 1,3-, trans-	Ethylene dibromide	Hexachloro-butadiene	Isopropyl-benzene	Isopropy-ltoluene, 4-	Methylene bromide	Methylene chloride	Naph-thalene	Propyl-benzene, 1-	Styrene	Tetrachloro-ethane, 1,1,1,2-	Tetrachloro-ethane, 1,1,2,2-	Tetrachloroethene	Trichloro-1,2,2-trifluoroethane, 1,1,2-	Trichloro-benzene, 1,2,3-
MW-4	1/22/1992	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	4/17/1992	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	7/21/1992	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	10/19/1992	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	1/21/1993	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	4/30/1993	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	7/30/1993	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	10/26/1993	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	2/14/1994	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	4/29/1994	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	7/29/1994	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	12/7/1994	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	2/21/1995	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	10/31/1990	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	1/25/1991	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	4/9/1991	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	7/25/1991	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	10/17/1991	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	1/22/1992	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	4/17/1992	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	7/21/1992	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	10/19/1992	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	1/21/1993	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	4/30/1993	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	7/30/1993	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	10/26/1993	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	2/14/1994	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	4/29/1994	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	7/29/1994	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	12/7/1994	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	2/21/1995	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	5/17/1995	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	8/11/1995	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	12/19/1995	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	2/27/1996	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	10/31/1990	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	1/25/1991	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	4/9/1991	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	7/25/1991	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	10/17/1991	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	1/22/1992	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	4/17/1992	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	7/21/1992	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	10/19/1992	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	1/21/1993	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	4/30/1993	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	7/30/1993	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	10/26/1993	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	2/14/1994	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	4/29/1994	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	7/29/1994	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	12/7/1994	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE C-10

SUMMARY OF ANALYTICAL RESULTS FOR VOLATILE ORGANIC COMPOUNDS (VOCs) IN GROUNDWATER SAMPLES [1]

Potrero Power Plant

San Francisco, California

All concentrations are milligrams per liter (mg/L)

Sample Point	Sample Date	Sample Type	Analytical Method	Trichloro-benzene, 1,2,4-	Trichloro-ethane, 1,1,1-	Trichloro-ethane, 1,1,2-	Trichloro-ethene	Trichloro-fluoro-methane	Trichloro-propane, 1,2,3-	Trifluoro-1,2-dichloro-ethane, 1,1,2-	Trimethyl-benzene, 1,2,4-	Trimethyl-benzene, 1,3,5-	Vinyl chloride	Xylene, 1,2-	Xylene, 1,3- and/or 1,4-
MW-4	1/22/1992	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	4/17/1992	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	7/21/1992	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	10/19/1992	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	1/21/1993	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	4/30/1993	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	7/30/1993	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	10/26/1993	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	2/14/1994	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	4/29/1994	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	7/29/1994	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	12/7/1994	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	2/21/1995	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	10/31/1990	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	1/25/1991	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	4/9/1991	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	7/25/1991	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	10/17/1991	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	1/22/1992	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	4/17/1992	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	7/21/1992	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	10/19/1992	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	1/21/1993	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	4/30/1993	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	7/30/1993	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	10/26/1993	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	2/14/1994	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	4/29/1994	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	7/29/1994	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	12/7/1994	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	2/21/1995	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	5/17/1995	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	8/11/1995	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	12/19/1995	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	2/27/1996	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	10/31/1990	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	1/25/1991	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	4/9/1991	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	7/25/1991	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	10/17/1991	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	1/22/1992	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	4/17/1992	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	7/21/1992	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	10/19/1992	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	1/21/1993	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	4/30/1993	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	7/30/1993	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	10/26/1993	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	2/14/1994	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	4/29/1994	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	7/29/1994	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	12/7/1994	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--

TABLE C-10

SUMMARY OF ANALYTICAL RESULTS FOR VOLATILE ORGANIC COMPOUNDS (VOCs) IN GROUNDWATER SAMPLES [1]

Potrero Power Plant

San Francisco, California

All concentrations are milligrams per liter (mg/L)

Sample Point	Sample Date	Sample Type	Analytical Method	Benzene	Toluene	Ethyl benzene	Xylenes, total	MTBE	Chlorobenzene	Dichlorobenzene, 1,2-	Dichlorobenzene, 1,3-	Dichlorobenzene, 1,4-	Bromo benzene	Bromo-chloromethane	Bromo-dichloro-methane	Bromo-form	Bromo-methane	Butyl-benzene, 1-	Butyl-benzene, sec-	Butyl-benzene, tert-	Carbon tetra-chloride
MW-6	2/21/1995	Primary	Unknown	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	10/31/1990	Primary	Unknown	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	1/25/1991	Primary	Unknown	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	4/9/1991	Primary	Unknown	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	7/25/1991	Primary	Unknown	<0.0005	<0.0005	**0.0007**	**0.002**	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	10/17/1991	Primary	Unknown	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	1/22/1992	Primary	Unknown	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	4/17/1992	Primary	Unknown	<0.0005	<0.0005	<0.0005	**0.0007**	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	7/21/1992	Primary	Unknown	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	10/19/1992	Primary	Unknown	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	1/21/1993	Primary	Unknown	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	4/30/1993	Primary	Unknown	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	7/30/1993	Primary	Unknown	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	10/26/1993	Primary	Unknown	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	2/14/1994	Primary	Unknown	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	4/29/1994	Primary	Unknown	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	7/29/1994	Primary	Unknown	<0.0005	**0.0022**	<0.0005	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	12/7/1994	Primary	Unknown	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	2/21/1995	Primary	Unknown	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	5/17/1995	Primary	Unknown	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	8/11/1995	Primary	Unknown	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	12/11/1995	Primary	Unknown	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	2/27/1996	Primary	Unknown	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	5/16/1996	Primary	Unknown	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	8/16/1996	Primary	Unknown	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	1/21/1997	Primary	Unknown	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	3/14/1997	Primary	Unknown	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	6/13/1997	Primary	Unknown	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	9/19/1997	Primary	Unknown	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	12/19/1997	Primary	Unknown	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	3/13/1998	Primary	Unknown	<0.0005	<0.0005	<0.0005	<0.0005	<0.0050	--	--	--	--	--	--	--	--	--	--	--	--	--
Fluor Daniel GTI, 1998, Phase II Environmental Site Assessment, Potrero Power Plant, June.																					
TB1-001	12/10/1997	Primary	EPA 8260	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005
TB1-002	12/10/1997	Primary	EPA 8260	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005
TB1-008	12/9/1997	Primary	EPA 8260	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005
TB1-009	12/2/1997	Primary	EPA 8260	<0.05	<0.05	<0.05	<0.05	--	<0.05	<0.1	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
TB1-011	12/10/1997	Primary	EPA 8260	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005
TB2-003	12/10/1997	Primary	EPA 8260	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005
TB2-005	12/2/1997	Primary	EPA 8260	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005
TB4-005	12/10/1997	Primary	EPA 8260	**0.0115**	<0.005	<0.005	<0.005	--	<0.005	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005
TB4-006	12/9/1997	Primary	EPA 8260	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005
TB4-007	12/10/1997	Primary	EPA 8260	**0.0149**	<0.005	<0.005	<0.005	--	<0.005	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005
TB4-008	12/9/1997	Primary	EPA 8260	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005
TB4-011	12/9/1997	Primary	EPA 8260	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005
TB4-013	12/9/1997	Primary	EPA 8260	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005
TB4-013	12/9/1997	Duplicate	EPA 8260	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005
TB4-015	12/9/1997	Primary	EPA 8260	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005
TB5-001	12/10/1997	Primary	EPA 8260	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005
TB5-002	12/2/1997	Primary	EPA 8260	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005
TB5-003	12/2/1997	Primary	EPA 8260	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005

TABLE C-10

SUMMARY OF ANALYTICAL RESULTS FOR VOLATILE ORGANIC COMPOUNDS (VOCs) IN GROUNDWATER SAMPLES [1]

Potrero Power Plant

San Francisco, California

All concentrations are milligrams per liter (mg/L)

Sample Point	Sample Date	Sample Type	Analytical Method	Chloro-ethane	Chloro-ethylvinyl ether, 2-	Chloro-form	Chloro-methane	Chloro-toluene, 2-	Chloro-toluene, 4-	Dibromo-chloro-methane	Dibromo-chloro-propane	Dichloro-difluoro-methane	Dichloro-ethane, 1,1-	Dichloro-ethane, 1,2-	Dichloro-ethene, 1,1-	Dichloro-ethene, 1,2-, cis-	Dichloro-ethene, 1,2-, trans-	Dichloro-ethenes, 1,2-, total	Dichloro-propane, 1,2-	Dichloro-propane, 1,3-	Dichloro-propane, 2,2-
MW-6	2/21/1995	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	10/31/1990	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	1/25/1991	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	4/9/1991	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	7/25/1991	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	10/17/1991	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	1/22/1992	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	4/17/1992	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	7/21/1992	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	10/19/1992	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	1/21/1993	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	4/30/1993	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	7/30/1993	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	10/26/1993	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	2/14/1994	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	4/29/1994	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	7/29/1994	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	12/7/1994	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	2/21/1995	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	5/17/1995	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	8/11/1995	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	12/11/1995	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	2/27/1996	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	5/16/1996	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	8/16/1996	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	1/21/1997	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	3/14/1997	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	6/13/1997	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	9/19/1997	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	12/19/1997	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	3/13/1998	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fluor Daniel GTI, 1998, Phase II Environmental Site Assessment, Potrero Power Plant, June.																					
TB1-001	12/10/1997	Primary	EPA 8260	<0.01	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.005	<0.005
TB1-002	12/10/1997	Primary	EPA 8260	<0.01	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.005	<0.005
TB1-008	12/9/1997	Primary	EPA 8260	<0.01	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.005	<0.005
TB1-009	12/2/1997	Primary	EPA 8260	<0.1	--	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	--	<0.05	<0.05	<0.05
TB1-011	12/10/1997	Primary	EPA 8260	<0.01	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.005	<0.005
TB2-003	12/10/1997	Primary	EPA 8260	<0.01	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.005	<0.005
TB2-005	12/2/1997	Primary	EPA 8260	<0.01	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.005	<0.005
TB4-005	12/10/1997	Primary	EPA 8260	<0.01	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.005	<0.005
TB4-006	12/9/1997	Primary	EPA 8260	<0.01	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.005	<0.005
TB4-007	12/10/1997	Primary	EPA 8260	<0.01	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.005	<0.005
TB4-008	12/9/1997	Primary	EPA 8260	<0.01	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.005	<0.005
TB4-011	12/9/1997	Primary	EPA 8260	<0.01	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.005	<0.005
TB4-013	12/9/1997	Primary	EPA 8260	<0.01	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.005	<0.005
TB4-013	12/9/1997	Duplicate	EPA 8260	<0.01	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.005	<0.005
TB4-015	12/9/1997	Primary	EPA 8260	<0.01	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.005	<0.005
TB5-001	12/10/1997	Primary	EPA 8260	<0.01	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.005	<0.005
TB5-002	12/2/1997	Primary	EPA 8260	<0.01	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.005	<0.005
TB5-003	12/2/1997	Primary	EPA 8260	<0.01	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.005	<0.005

TABLE C-10

SUMMARY OF ANALYTICAL RESULTS FOR VOLATILE ORGANIC COMPOUNDS (VOCs) IN GROUNDWATER SAMPLES [1]

Potrero Power Plant

San Francisco, California

All concentrations are milligrams per liter (mg/L)

Sample Point	Sample Date	Sample Type	Analytical Method	Dichloro-propene, 1,1-	Dichloro-propene, 1,3-, cis-	Dichloro-propene, 1,3-, trans-	Ethylene dibromide	Hexachloro-butadiene	Isopropyl-benzene	Isopropy-ltoluene, 4-	Methylene bromide	Methylene chloride	Naph-thalene	Propyl-benzene, 1-	Styrene	Tetrachloro-ethane, 1,1,1,2-	Tetrachloro-ethane, 1,1,2,2-	Tetrachloroethene	Trichloro-1,2,2-trifluoroethane, 1,1,2-	Trichloro-benzene, 1,2,3-
MW-6	2/21/1995	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	10/31/1990	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	1/25/1991	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	4/9/1991	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	7/25/1991	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	10/17/1991	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	1/22/1992	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	4/17/1992	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	7/21/1992	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	10/19/1992	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	1/21/1993	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	4/30/1993	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	7/30/1993	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	10/26/1993	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	2/14/1994	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	4/29/1994	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	7/29/1994	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	12/7/1994	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	2/21/1995	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	5/17/1995	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	8/11/1995	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	12/11/1995	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	2/27/1996	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	5/16/1996	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	8/16/1996	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	1/21/1997	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	3/14/1997	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	6/13/1997	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	9/19/1997	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	12/19/1997	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	3/13/1998	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fluor Daniel GTI, 1998, Phase II Environmental Site Assessment, Potrero Power Plant, June.																				
TB1-001	12/10/1997	Primary	EPA 8260	<0.005	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	<0.005
TB1-002	12/10/1997	Primary	EPA 8260	<0.005	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	**0.0228**	<0.005	<0.005	<0.005	<0.005	<0.005	--	<0.005
TB1-008	12/9/1997	Primary	EPA 8260	<0.005	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	<0.005
TB1-009	12/2/1997	Primary	EPA 8260	<0.05	--	--	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	--	<0.05
TB1-011	12/10/1997	Primary	EPA 8260	<0.005	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	<0.005
TB2-003	12/10/1997	Primary	EPA 8260	<0.005	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	<0.005
TB2-005	12/2/1997	Primary	EPA 8260	<0.005	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	<0.005
TB4-005	12/10/1997	Primary	EPA 8260	<0.005	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	**0.00566**	<0.005	<0.005	<0.005	<0.005	<0.005	--	<0.005
TB4-006	12/9/1997	Primary	EPA 8260	<0.005	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	<0.005
TB4-007	12/10/1997	Primary	EPA 8260	<0.005	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	<0.005
TB4-008	12/9/1997	Primary	EPA 8260	<0.005	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	<0.005
TB4-011	12/9/1997	Primary	EPA 8260	<0.005	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	<0.005
TB4-013	12/9/1997	Primary	EPA 8260	<0.005	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	<0.005
TB4-013	12/9/1997	Duplicate	EPA 8260	<0.005	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	<0.005
TB4-015	12/9/1997	Primary	EPA 8260	<0.005	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	<0.005
TB5-001	12/10/1997	Primary	EPA 8260	<0.005	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	<0.005
TB5-002	12/2/1997	Primary	EPA 8260	<0.005	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	<0.005
TB5-003	12/2/1997	Primary	EPA 8260	<0.005	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	<0.005

TABLE C-10

SUMMARY OF ANALYTICAL RESULTS FOR VOLATILE ORGANIC COMPOUNDS (VOCs) IN GROUNDWATER SAMPLES [1]

Potrero Power Plant

San Francisco, California

All concentrations are milligrams per liter (mg/L)

Sample Point	Sample Date	Sample Type	Analytical Method	Trichloro-benzene, 1,2,4-	Trichloro-ethane, 1,1,1-	Trichloro-ethane, 1,1,2-	Trichloro-ethene	Trichloro-fluoro-methane	Trichloro-propane, 1,2,3-	Trifluoro-1,2-dichloro-ethane, 1,1,2-	Trimethyl-benzene, 1,2,4-	Trimethyl-benzene, 1,3,5-	Vinyl chloride	Xylene, 1,2-	Xylene, 1,3- and/or 1,4-
MW-6	2/21/1995	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	10/31/1990	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	1/25/1991	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	4/9/1991	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	7/25/1991	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	10/17/1991	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	1/22/1992	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	4/17/1992	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	7/21/1992	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	10/19/1992	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	1/21/1993	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	4/30/1993	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	7/30/1993	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	10/26/1993	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	2/14/1994	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	4/29/1994	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	7/29/1994	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	12/7/1994	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	2/21/1995	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	5/17/1995	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	8/11/1995	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	12/11/1995	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	2/27/1996	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	5/16/1996	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	8/16/1996	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	1/21/1997	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	3/14/1997	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	6/13/1997	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	9/19/1997	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	12/19/1997	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	3/13/1998	Primary	Unknown	--	--	--	--	--	--	--	--	--	--	--	--
Fluor Daniel GTI, 1998, Phase II Environmental Site Assessment, Potrero Power Plant, June.															
TB1-001	12/10/1997	Primary	EPA 8260	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.005	<0.002	<0.005	<0.005
TB1-002	12/10/1997	Primary	EPA 8260	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.005	<0.002	<0.005	<0.005
TB1-008	12/9/1997	Primary	EPA 8260	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.005	<0.002	<0.005	<0.005
TB1-009	12/2/1997	Primary	EPA 8260	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	--	<0.05	<0.05	<0.02	<0.05	<0.05
TB1-011	12/10/1997	Primary	EPA 8260	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.005	<0.002	<0.005	<0.005
TB2-003	12/10/1997	Primary	EPA 8260	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.005	<0.002	<0.005	<0.005
TB2-005	12/2/1997	Primary	EPA 8260	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.005	<0.002	<0.005	<0.005
TB4-005	12/10/1997	Primary	EPA 8260	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.005	<0.002	<0.005	<0.005
TB4-006	12/9/1997	Primary	EPA 8260	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.005	<0.002	<0.005	<0.005
TB4-007	12/10/1997	Primary	EPA 8260	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.005	<0.002	<0.005	<0.005
TB4-008	12/9/1997	Primary	EPA 8260	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.005	<0.002	<0.005	<0.005
TB4-011	12/9/1997	Primary	EPA 8260	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.005	<0.002	<0.005	<0.005
TB4-013	12/9/1997	Primary	EPA 8260	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.005	<0.002	<0.005	<0.005
TB4-013	12/9/1997	Duplicate	EPA 8260	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.005	<0.002	<0.005	<0.005
TB4-015	12/9/1997	Primary	EPA 8260	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.005	<0.002	<0.005	<0.005
TB5-001	12/10/1997	Primary	EPA 8260	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.005	<0.002	<0.005	<0.005
TB5-002	12/2/1997	Primary	EPA 8260	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.005	<0.002	<0.005	<0.005
TB5-003	12/2/1997	Primary	EPA 8260	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.005	<0.002	<0.005	<0.005

TABLE C-10

SUMMARY OF ANALYTICAL RESULTS FOR VOLATILE ORGANIC COMPOUNDS (VOCs) IN GROUNDWATER SAMPLES [1]

Potrero Power Plant

San Francisco, California

All concentrations are milligrams per liter (mg/L)

Sample Point	Sample Date	Sample Type	Analytical Method	Benzene	Toluene	Ethyl benzene	Xylenes, total	MTBE	Chlorobenzene	Dichlorobenzene, 1,2-	Dichlorobenzene, 1,3-	Dichlorobenzene, 1,4-	Bromo benzene	Bromo-chloromethane	Bromo-dichloro-methane	Bromo-form	Bromo-methane	Butyl-benzene, 1-	Butyl-benzene, sec-	Butyl-benzene, tert-	Carbon tetra-chloride
Fluor Daniel GTI, 1998, Phase II Environmental Site Assessment Addendum, Potrero Power Plant, September.																					
APT-1	6/9/1998	Primary	EPA 8260	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005
MW-1	6/8/1998	Primary	EPA 8260	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	**0.003**	**0.0022**	<0.005	<0.005
MW-2	6/10/1998	Primary	EPA 8260	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005
MW-4	6/8/1998	Primary	EPA 8260	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005
MW-5	6/9/1998	Primary	EPA 8260	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005
MW-5	6/9/1998	Duplicate	EPA 8260	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005
MW-6	6/8/1998	Primary	EPA 8260	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005
MW-7	6/9/1998	Primary	EPA 8260	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005
POT-9	6/9/1998	Primary	EPA 8260	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005
POT-14	6/8/1998	Primary	EPA 8260	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005
POT-15	6/8/1998	Primary	EPA 8260	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005
POT-15	6/8/1998	Duplicate	EPA 8260	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005
POT-15	6/8/1998	Primary	EPA 8260	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005
POT-15	6/8/1998	Duplicate	EPA 8260	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005
TB4-017	3/9/1998	Primary	EPA 8260	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005
Geomatrix Consultants, Inc., 2004, Ammonia Facility Construction Sampling, March. [2]																					
POT-15	2/25/2004	Primary	EPA 8260	**0.0054**	**0.0018**	**0.0012**	**0.0023**	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005

TABLE C-10

SUMMARY OF ANALYTICAL RESULTS FOR VOLATILE ORGANIC COMPOUNDS (VOCs) IN GROUNDWATER SAMPLES [1]

Potrero Power Plant

San Francisco, California

All concentrations are milligrams per liter (mg/L)

Sample Point	Sample Date	Sample Type	Analytical Method	Chloro-ethane	Chloro-ethylvinyl ether, 2-	Chloro-form	Chloro-methane	Chloro-toluene, 2-	Chloro-toluene, 4-	Dibromo-chloro-methane	Dibromo-chloro-propane	Dichloro-difluoro-methane	Dichloro-ethane, 1,1-	Dichloro-ethane, 1,2-	Dichloro-ethene, 1,1-	Dichloro-ethene, 1,2-, cis-	Dichloro-ethene, 1,2-, trans-	Dichloro-ethenes, 1,2-, total	Dichloro-propane, 1,2-	Dichloro-propane, 1,3-	Dichloro-propane, 2,2-
Fluor Daniel GTI, 1998, Phase II Environmental Site Assessment Addendum, Potrero Power Plant, September.																					
APT-1	6/9/1998	Primary	EPA 8260	<0.01	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005
MW-1	6/8/1998	Primary	EPA 8260	<0.01	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005
MW-2	6/10/1998	Primary	EPA 8260	<0.01	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005
MW-4	6/8/1998	Primary	EPA 8260	<0.01	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005
MW-5	6/9/1998	Primary	EPA 8260	<0.01	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005
MW-5	6/9/1998	Duplicate	EPA 8260	<0.01	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005
MW-6	6/8/1998	Primary	EPA 8260	<0.01	--	**0.028**	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005
MW-7	6/9/1998	Primary	EPA 8260	<0.01	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005
POT-9	6/9/1998	Primary	EPA 8260	<0.01	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005
POT-14	6/8/1998	Primary	EPA 8260	<0.01	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005
POT-15	6/8/1998	Primary	EPA 8260	<0.01	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005
POT-15	6/8/1998	Duplicate	EPA 8260	<0.01	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005
POT-15	6/8/1998	Primary	EPA 8260	<0.01	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005
POT-15	6/8/1998	Duplicate	EPA 8260	<0.01	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005
TB4-017	3/9/1998	Primary	EPA 8260	<0.005	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.005	<0.005
Geomatrix Consultants, Inc., 2004, Ammonia Facility Construction Sampling, March. [2]																					
POT-15	2/25/2004	Primary	EPA 8260	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	<0.0005	<0.0005	<0.0005

TABLE C-10

SUMMARY OF ANALYTICAL RESULTS FOR VOLATILE ORGANIC COMPOUNDS (VOCs) IN GROUNDWATER SAMPLES [1]

Potrero Power Plant

San Francisco, California

All concentrations are milligrams per liter (mg/L)

Sample Point	Sample Date	Sample Type	Analytical Method	Dichloro-propene, 1,1-	Dichloro-propene, 1,3-, cis-	Dichloro-propene, 1,3-, trans-	Ethylene dibromide	Hexachloro-butadiene	Isopropyl-benzene	Isopropy-ltoluene, 4-	Methylene bromide	Methylene chloride	Naph-thalene	Propyl-benzene, 1-	Styrene	Tetrachloro-ethane, 1,1,1,2-	Tetrachloro-ethane, 1,1,2,2-	Tetrachloroethene	Trichloro-1,2,2-trifluoroethane, 1,1,2-	Trichloro-benzene, 1,2,3-
Fluor Daniel GTI, 1998, Phase II Environmental Site Assessment Addendum, Potrero Power Plant, September.																				
APT-1	6/9/1998	Primary	EPA 8260	<0.005	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	<0.005
MW-1	6/8/1998	Primary	EPA 8260	<0.005	--	--	<0.005	<0.005	**0.0031**	<0.005	<0.005	<0.01	<0.005	**0.0042**	<0.005	<0.005	<0.005	<0.005	--	<0.005
MW-2	6/10/1998	Primary	EPA 8260	<0.005	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	<0.005
MW-4	6/8/1998	Primary	EPA 8260	<0.005	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	<0.005
MW-5	6/9/1998	Primary	EPA 8260	<0.005	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	<0.005
MW-5	6/9/1998	Duplicate	EPA 8260	<0.005	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	<0.005
MW-6	6/8/1998	Primary	EPA 8260	<0.005	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	<0.005
MW-7	6/9/1998	Primary	EPA 8260	<0.005	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	<0.005
POT-9	6/9/1998	Primary	EPA 8260	<0.005	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	<0.005
POT-14	6/8/1998	Primary	EPA 8260	<0.005	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	<0.005
POT-15	6/8/1998	Primary	EPA 8260	<0.005	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	<0.005
POT-15	6/8/1998	Duplicate	EPA 8260	<0.005	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	<0.005
POT-15	6/8/1998	Primary	EPA 8260	<0.005	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	<0.005
POT-15	6/8/1998	Duplicate	EPA 8260	<0.005	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	<0.005
TB4-017	3/9/1998	Primary	EPA 8260	<0.005	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	<0.005
Geomatrix Consultants, Inc., 2004, Ammonia Facility Construction Sampling, March. [2]																				
POT-15	2/25/2004	Primary	EPA 8260	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	**0.031**	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001

TABLE C-10

SUMMARY OF ANALYTICAL RESULTS FOR VOLATILE ORGANIC COMPOUNDS (VOCs) IN GROUNDWATER SAMPLES [1]

Potrero Power Plant

San Francisco, California

All concentrations are milligrams per liter (mg/L)

Sample Point	Sample Date	Sample Type	Analytical Method	Trichloro-benzene, 1,2,4-	Trichloro-ethane, 1,1,1-	Trichloro-ethane, 1,1,2-	Trichloro-ethene	Trichloro-fluoro-methane	Trichloro-propane, 1,2,3-	Trifluoro-1,2-dichloro-ethane, 1,1,2-	Trimethyl-benzene, 1,2,4-	Trimethyl-benzene, 1,3,5-	Vinyl chloride	Xylene, 1,2-	Xylene, 1,3- and/or 1,4-
Fluor Daniel GTI, 1998, Phase II Environmental Site Assessment Addendum, Potrero Power Plant, September.															
APT-1	6/9/1998	Primary	EPA 8260	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.005	<0.003	--	--
MW-1	6/8/1998	Primary	EPA 8260	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.005	<0.003	--	--
MW-2	6/10/1998	Primary	EPA 8260	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.005	<0.003	--	--
MW-4	6/8/1998	Primary	EPA 8260	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.005	<0.003	--	--
MW-5	6/9/1998	Primary	EPA 8260	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.005	<0.003	--	--
MW-5	6/9/1998	Duplicate	EPA 8260	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.005	<0.003	--	--
MW-6	6/8/1998	Primary	EPA 8260	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.005	<0.003	--	--
MW-7	6/9/1998	Primary	EPA 8260	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.005	<0.003	--	--
POT-9	6/9/1998	Primary	EPA 8260	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.005	<0.003	--	--
POT-14	6/8/1998	Primary	EPA 8260	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.005	<0.003	--	--
POT-15	6/8/1998	Primary	EPA 8260	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.005	<0.003	--	--
POT-15	6/8/1998	Duplicate	EPA 8260	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.005	<0.003	--	--
POT-15	6/8/1998	Primary	EPA 8260	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.005	<0.003	--	--
POT-15	6/8/1998	Duplicate	EPA 8260	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.005	<0.003	--	--
TB4-017	3/9/1998	Primary	EPA 8260	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	<0.005	<0.005	<0.003	--	--
Geomatrix Consultants, Inc., 2004, Ammonia Facility Construction Sampling, March. [2]															
POT-15	2/25/2004	Primary	EPA 8260	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	--

Notes:

1. Groundwater samples collected from monitoring wells and analyzed for semivolatile organic compounds (SVOCs) EPA Method 8270 (1997) or EPA Method 8270C (2004).
2. A groundwater sample was collected from monitoring well POT-15 by Geomatrix Consultants, Inc., as part of pre-construction activities for the Ammonia Unloading/Storage Facility Area and analyzed for volatile organic compounds (SVOCs) using EPA Method 8260.
3. The analytical method used for the analysis of benzene, toluene, ethyl benzene, total xylenes, and methyl tert-butyl ether (MTBE) was not provided (EMCON, 1998).
4. The results higlighted in green were sampled from the Station A PG&E Area.

Abbreviations:

EPA = U.S. Environmental Protection Agency
MTBE = methyl tert-butyl ether
ND = not detected
-- = not analyzed
< = concentration below detection limit

TABLE C-11

SUMMARY OF ANALYTICAL RESULTS FOR VOLATILE ORGANIC COMPOUNDS (VOCs) AND NAPHTHALENE IN SOIL VAPOR SAMPLES ANALYZED USING EPA METHOD 8260B[1]

Potrero Power Plant

San Francisco, California

All concentrations are milligrams per liter (µg/L).

Sample Point	Sample Depth (feet bgs)	Sample Date	Purge Volumes	Sample Type	Naphtha-lene	Benzene	Toluene	Ethyl-benzene	Xylenes	n-Butyl-benzene	sec-Butyl-benzene	Chloro-benzene	Chloro-form	Dichloro-difluoro-methane	Hexane	Isopropyl-benzene (cumene)	n-Propyl-benzene	Tetra-chloro-ethylene	1,1,1-Trichloro-ethane	1,2,4-Trimethyl-benzene	1,3,5-Trimethyl-benzene	C5-C8 Aliphatics	C9-C18 Aliphatics	C6-C8 Aromatics	C9-C16 Aromatics
SV10A	3.5	11/4/2009	3	Primary	<0.008	<0.008	**0.016**	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.020	<0.008	<0.008	<0.008	<0.008	<0.025	<0.025	<0.025	<0.025
		9/15/2010	3	Primary	**0.604**	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	NA	<0.008	<0.008	<0.008	<0.008	<0.2	<0.2	<0.2	**0.604**
SV10B	6.5	11/4/2009	3	Primary	<0.008	<0.008	**0.158**	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.020	<0.008	<0.008	<0.008	<0.008	<0.025	<0.025	<0.025	<0.025
		9/15/2010	3	Primary	**0.538**	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	NA	<0.008	<0.008	<0.008	<0.008	<0.2	<0.2	<0.2	**0.538**
SV15	4.1	11/5/2009	3	Primary	<0.008	**0.039**	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.020	<0.008	<0.008	<0.008	<0.008	<0.025	<0.025	**0.039**	<0.025
SV16	5.2	11/3/2009	3	Primary	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.020	<0.008	<0.008	<0.008	<0.008	<0.025	<0.025	<0.025	<0.025
SV17	4.8	11/3/2009	3	Primary	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.020	<0.008	<0.008	<0.008	<0.008	<0.025	<0.025	<0.025	<0.025
SV21	5	11/3/2009	3	Primary	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.020	<0.008	<0.008	<0.008	<0.008	<0.025	<0.025	<0.025	<0.025
SV23	5.5	11/3/2009	3	Primary	**0.21**	**0.272**	**0.368**	<0.008	**0.342**	<0.008	**0.031**	<0.008	<0.008	<0.008	**0.770**	<0.008	<0.020	<0.008	<0.008	**0.059**	<0.008	**20.4**	**12.8**	**0.982**	**0.3**
SV26	5	11/4/2009	3	Primary	<0.008	<0.008	**0.113**	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.020	<0.008	<0.008	<0.008	<0.008	<0.025	<0.025	<0.025	<0.025
SV27	5.3	11/2/2009	3	Primary	<0.008	<0.008	**0.009**	<0.008	<0.008	<0.008	**0.017**	<0.008	<0.008	<0.008	<0.008	<0.008	<0.020	<0.008	<0.008	**0.027**	**0.02**	<0.025	<0.025	<0.025	**0.064**
SV28	5.2	11/5/2009	3	Primary	**0.03**	**0.254**	**0.043**	<0.008	**0.23**	<0.008	<0.008	**0.601**	<0.008	<0.008	<0.008	<0.008	<0.020	<0.008	<0.008	<0.008	<0.008	<0.025	<0.025	**0.527**	**0.631**
SV29	4.5	11/5/2009	3	Primary	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.020	<0.008	<0.008	<0.008	<0.008	<0.025	<0.025	<0.025	<0.025
SV32	5.2	11/5/2009	3	Primary	<0.008	**0.032**	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.020	<0.008	<0.008	<0.008	<0.008	<0.025	<0.025	<0.025	<0.025
SV33	4.8	11/2/2009	3	Primary	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.020	<0.008	<0.008	<0.008	<0.008	<0.025	<0.025	<0.025	<0.025
SV35	4.9	11/2/2009	3	Primary	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.020	<0.008	<0.008	<0.008	<0.008	<0.025	<0.025	<0.025	<0.025
SV38	5.1	11/2/2009	1	Primary	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.020	<0.008	<0.008	<0.008	<0.008	<0.025	<0.025	<0.025	<0.025
		11/2/2009	3	Primary	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.020	<0.008	<0.008	<0.008	<0.008	<0.025	<0.025	<0.025	<0.025
		11/2/2009	7	Primary	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.020	<0.008	<0.008	<0.008	<0.008	<0.025	<0.025	<0.025	<0.025
SV40	5	11/2/2009	3	Primary	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.020	<0.008	<0.008	<0.008	<0.008	<0.025	<0.025	<0.025	<0.025
SV51	5.2	11/3/2009	3	Primary	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.020	<0.008	<0.008	<0.008	<0.008	<0.025	<0.025	<0.025	<0.025
SV54A	3.75	11/3/2009	3	Primary	<0.008	<0.008	**0.032**	<0.008	**0.205**	<0.008	**0.018**	<0.008	<0.008	<0.008	<0.008	<0.008	<0.020	<0.008	<0.008	**0.031**	**0.025**	<0.025	<0.025	**0.237**	**0.074**
SV54B	7.75	11/3/2009	3	Primary	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.020	<0.008	<0.008	<0.008	<0.008	<0.025	<0.025	<0.025	<0.025
SV55	5.2	11/3/2009	3	Primary	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.020	<0.008	<0.008	<0.008	<0.008	<0.025	<0.025	<0.025	<0.025
SV56	5	11/2/2009	1	Primary	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.020	<0.008	<0.008	<0.008	<0.008	<0.025	<0.025	<0.025	<0.025
		11/2/2009	3	Primary	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.020	<0.008	<0.008	<0.008	<0.008	<0.025	<0.025	<0.025	<0.025
		11/2/2009	7	Primary	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.020	<0.008	<0.008	<0.008	<0.008	<0.025	<0.025	<0.025	<0.025
		9/16/2010	1	Primary	**0.334**	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	NA	<0.008	<0.008	<0.008	<0.008	<0.2	<0.2	<0.2	**0.334**
		9/16/2010	3	Primary	**0.180**	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	NA	<0.008	<0.008	<0.008	<0.008	<0.2	<0.2	<0.2	**0.180**
		9/16/2010	10	Primary	**0.122**	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	NA	<0.008	<0.008	<0.008	<0.008	<0.2	<0.2	<0.2	**0.122**
SV57	5.5	11/5/2009	3	Primary	**0.017**	**0.288**	**0.103**	**0.053**	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.020	<0.008	<0.008	<0.008	<0.008	<0.025	<0.025	**0.444**	<0.025
SV58	5	11/2/2009	3	Primary	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.020	<0.008	<0.008	<0.008	<0.008	<0.025	<0.025	<0.025	<0.025
SV59	5	11/2/2009	3	Primary	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.020	<0.008	<0.008	<0.008	<0.008	<0.025	<0.025	<0.025	<0.025
SV60	5	11/5/2009	3	Primary	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.020	<0.008	<0.008	<0.008	<0.008	<0.025	<0.025	<0.025	<0.025
SV61	5.1	11/3/2009	3	Primary	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	**0.042**	<0.008	<0.020	<0.008	**0.172**	<0.008	<0.008	<0.025	<0.025	<0.025	<0.025
SV63	5.3	11/3/2009	3	Primary	<0.008	<0.008	**0.045**	<0.008	<0.008	<0.008	**0.026**	<0.008	<0.008	<0.008	<0.008	<0.008	<0.020	<0.008	<0.008	**0.047**	**0.045**	<0.025	<0.025	**0.045**	**0.118**
SV64	4.75	11/3/2009	3	Primary	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.020	<0.008	<0.008	<0.008	<0.008	<0.025	<0.025	<0.025	<0.025
SV65	5.5	11/3/2009	3	Primary	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.020	<0.008	<0.008	<0.008	<0.008	<0.025	<0.025	<0.025	<0.025
		9/16/2010	1	Primary	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	NA	<0.008	<0.008	<0.008	<0.008	<0.2	<0.2	<0.2	<0.2
		9/16/2010	1	Duplicate	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	NA	<0.008	<0.008	<0.008	<0.008	<0.2	<0.2	<0.2	<0.2
Count					39	39	39	39	39	39	39	39	39	39	39	39	33	39	39	39	39	39	39	39	39
Number of Detects					8	5	9	1	3	0	4	1	0	0	2	0	0	0	1	4	3	1	1	6	10
Number of Non-Detects					31	34	30	38	36	39	35	38	39	39	37	39	33	39	38	35	36	38	38	33	29
Minimum Detection					0.017	0.032	0.009	0.053	0.205	ND	0.017	0.601	ND	ND	0.042	ND	ND	ND	0.172	0.027	0.020	20.400	12.800	0.039	0.064
Maximum Detection					0.604	0.288	0.368	0.053	0.342	ND	0.031	0.601	ND	ND	0.770	ND	ND	ND	0.172	0.059	0.045	20.400	12.800	0.982	0.631
Minimum Reporting Limit					0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.02	0.008	0.008	0.008	0.008	0.025	0.025	0.025	0.025
Maximum Reporting Limit					0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.020	0.008	0.008	0.008	0.008	0.200	0.200	0.200	0.200
Detection Frequency					21%	13%	23%	3%	8%	0%	10%	3%	0%	0%	5%	0%	0%	0%	3%	10%	8%	3%	3%	15%	26%

Notes

1. Soil vapor samples were collected into a glass syringe and analyzed on-site using EPA Method 8260B by JEL.
2. The results higlighted in green were sampled from the Station A PG&E Area.

Abbreviations

bolded results indicate that the analyte was detected above its analytical reporting limit

< = Not detected above the laboratory reporting limit shown

bgs = below ground surface

JEL = Jones Environmental Testing Laboratories, of Fullerton, California

NA = Not analyzed

ND = Not detected

TABLE C-12

SUMMARY OF ANALYTICAL RESULTS FOR VOLATILE ORGANIC COMPOUNDS (VOCs) AND NAPHTHALENE IN SOIL VAPOR SAMPLES ANALYZED USING EPA METHOD TO-15[1]

Potrero Power Plant

San Francisco, California

All concentrations are milligrams per liter (µg/L).

Sample Point	Sample Depth (feet bgs)	Sample Date	Purge Volumes	Sample Type	Naphtha-lene	Benzene	Toluene	Ethyl-benzene	m,p-Xylenes	o-Xylenes	Acetone	Chloro-benzene	Chloro-form	Dichloro-difluoro-methane	Hexane	Isopropyl-benzene (cumene)	Methyl Ethyl Ketone	n-Propyl-benzene	1,2,4-Trimethyl-benzene	1,3,5-Trimethyl-benzene	Tetra-chloro-ethylene	Tetra-hydro-furan	Trichloro-fluoro-methane
SV40	5	11/2/2009	3	Primary	<0.024	<0.0037	<0.0044	<0.005	<0.005	<0.005	**0.011 J**	<0.0054	<0.0057	**0.0086**	<0.0041	<0.0057	**0.0059**	<0.0057	<0.0057	<0.0057	<0.0079	**0.013**	**0.0092**
SV55	5.2	11/3/2009	3	Primary	<0.050	<0.0076	**0.026**	<0.01	**0.016**	<0.01	<0.023	<0.011	<0.012	<0.012	<0.0084	<0.012	<0.007	<0.012	<0.012	<0.012	<0.016	<0.007	<0.013
SV65	5.5	9/16/2010	1	Primary	<0.025	<0.0039	<0.0046	<0.0052	<0.0052	<0.0052	**0.02**	<0.0056	<0.0059	<0.006	<0.0043	<0.0059	<0.0036	<0.0059	<0.0059	<0.0059	**0.01**	<0.0036	<0.0068
				Count	3	3	3	3	3	3	2	3	3	3	3	3	3	3	3	3	3	3	3
				Number of Detects	0	0	1	0	1	0	1	0	0	1	0	0	1	0	0	0	1	1	1
				Number of Non-Detects	3	3	2	3	2	3	1	3	3	2	3	3	2	3	3	3	2	2	2
				Minimum Detection	ND	ND	0.026	ND	0.016	ND	0.020	ND	ND	0.009	ND	ND	0.006	ND	ND	ND	0.010	0.013	0.009
				Maximum Detection	ND	ND	0.026	ND	0.016	ND	0.020	ND	ND	0.009	ND	ND	0.006	ND	ND	ND	0.010	0.013	0.009
				Minimum Reporting Limit	0.024	0.0037	0.0044	0.005	0.005	0.005	0.023	0.0054	0.0057	0.006	0.0041	0.0057	0.0036	0.0057	0.0057	0.0057	0.0079	0.0036	0.0068
				Maximum Reporting Limit	0.050	0.008	0.005	0.010	0.005	0.010	0.023	0.011	0.012	0.012	0.008	0.012	0.007	0.012	0.012	0.012	0.016	0.007	0.013
				Detection Frequency	0%	0%	33%	0%	33%	0%	50%	0%	0%	33%	0%	0%	33%	0%	0%	0%	33%	33%	33%

Note

1. Soil vapor samples were collected into a Summa™ canister by AMEC Geomatrix, Inc. and analyzed using U.S. EPA Method TO-15 by Air Toxics.
2. The results higlighted in green were sampled from the Station A PG&E Area.

Abbreviations

bolded results indicate that the analyte was detected above its analytical reporting limit

< = not detected above the laboratory reporting limit shown

Air Toxics = Air Toxics, Limited, of Folsom, California

bgs = below ground surface

MTBE = methyl tert-butyl ether

NA = not analyzed

TABLE C-13

SUMMARY OF ANALYTICAL RESULTS FOR TOTAL PETROLEUM HYDROCARBONS IN GROUNDWATER SAMPLES [1]

Station A, Potrero Power Plant
San Francisco, California

All concentrations are milligrams per liter (mg/L)

Sample Point	Sample Date	Sample Type	Silica Gel Cleanup	Analytical Method	TPH	TPH as bunker oil	TPH as diesel	TPH as gasoline	TPH as motor oil	TPH as Stoddard solvent	TPH, C10-C36	TPH as Kerosene
Ecology & the Environment, 1990, Site Characterization Report, Potrero Power Plant, October 26												
MW-1	11/1989	Primary	No	EPA 8015	**69.4**	--	**69.4**	<2	<2	--	--	--
MW-1	02/22/1990	Primary	No	EPA 8015	**29.4**	--	**29.4**	<0.1	<0.5	--	--	--
MW-1	02/22/1990	Primary/Duplicate [4]	No	EPA 8015	**30.8**	--	**30.8**	<0.1	<0.5	--	--	--
MW-1	6/1/1990	Primary	No	EPA 8015	**537**	--	**537**	<0.1	<0.5	--	--	--
MW-2	11/1989	Primary	No	EPA 8015	--	--	<0.2	<0.2	<0.2	--	--	--
MW-2	02/22/1990	Primary	No	EPA 8015	--	--	<0.2	<0.1	<0.5	--	--	--
MW-2	6/1/1990	Primary	No	EPA 8015	--	--	<0.2	<0.1	<0.5	--	--	--
MW-3	11/1989	Primary	No	EPA 8015	**669**	--	**626**	<2	**43**	--	--	--
MW-3	02/22/1990	Primary	No	EPA 8015	**793.2**	--	**765**	<0.1	**28.2**	--	--	--
MW-3	6/1/1990	Primary	No	EPA 8015	**4776**	--	**4670**	<2	**106**	--	--	--
MW-4	3/30/1990	Primary	No	EPA 8015	--	--	<0.2	<0.1	<0.5	--	--	--
MW-4	3/30/1990	Primary/Duplicate [4]	No	EPA 8015	--	--	<0.2	<0.1	<0.5	--	--	--
MW-4	6/1/1990	Primary	No	EPA 8015	--	--	<0.2	<0.1	<0.5	--	--	--
MW-4	6/1/1990	Primary/Duplicate [4]	No	EPA 8015	--	--	<0.2	<0.1	<0.5	--	--	--
MW-5	11/1989	Primary	No	EPA 8015	**0.2**	--	**0.2**	<0.2	<0.2	--	--	--
MW-5	11/1989	Primary/Duplicate [4]	No	EPA 8015	**0.3**	--	**0.3**	<0.2	<0.2	--	--	--
MW-5	2/22/90	Primary	No	EPA 8015	--	--	<0.2	<0.1	<0.5	--	--	--
MW-5	6/1/1990	Primary	No	EPA 8015	--	--	<0.2	<0.1	<0.5	--	--	--
MW-6	03/30/1990	Primary	No	EPA 8015	--	--	<0.2	<0.1	<0.5	--	--	--
MW-6	6/1/1990	Primary	No	EPA 8015	--	--	<0.2	<0.1	<0.5	--	--	--
MW-7	03/30/1990	Primary	No	EPA 8015	--	--	<0.2	<0.1	<0.5	--	--	--
MW-7	6/1/1990	Primary	No	EPA 8015	--	--	<0.2	<0.1	<0.5	--	--	--
Ecology & the Environment, 1991, Preliminary Endangerment Assessment, Potrero Power Plant, October 16												
APT-1	3/11/1991	Primary	No	EPA 8015	--	--	<0.25	--	--	--	--	--
MW-2	3/12/1991	Primary	No	EPA 8015	--	--	<0.25	--	<0.1	--	--	--
MW-6	3/13/1991	Primary	No	EPA 8015	--	--	<0.25	--	<0.1	--	--	--
MW-7	3/11/1991	Primary	No	EPA 8015	--	--	<0.25	--	--	--	--	--
POT-9	3/12/1991	Primary	No	EPA 8015	--	--	<0.25	--	<0.1	--	--	--
POT-14	3/13/1991	Primary	No	EPA 8015	--	--	<0.25	--	**0.14**	--	--	--
POT-15	3/14/1991	Primary/Duplicate [4]	No	EPA 8015	--	--	<0.25	--	**1**	--	--	--
EMCON, 1998, Groundwater Monitoring and Sampling Report, Potrero Power Plant, 1201 Illinois Street, San Francisco, CA, First Quarter 1998, April												
MW-1	10/31/1991	Primary	No	EPA 8015	--	--	**540**	**29**	--	--	--	--
MW-2	10/31/1991	Primary	No	EPA 8015	--	--	**0.16**	<0.1	--	--	--	--
MW-2	1/25/1991	Primary	No	EPA 8015	--	--	<0.05	<0.1	--	--	--	--
MW-2	4/9/1991	Primary	No	EPA 8015	--	--	<0.05	<0.05	--	--	--	--
MW-2	7/25/1991	Primary	No	EPA 8015	--	--	**0.08**	<0.05	--	--	--	--
MW-2	10/17/1991	Primary	No	EPA 8015	--	--	<0.05	<0.05	--	--	--	--
MW-2	1/22/1992	Primary	No	EPA 8015	--	--	<0.05	<0.05	--	--	--	--
MW-2	4/17/1992	Primary	No	EPA 8015	--	--	<0.05	<0.05	--	--	--	--
MW-2	7/21/1992	Primary	No	EPA 8015	--	--	<0.05	<0.05	--	--	--	--
MW-2	10/19/1992	Primary	No	EPA 8015	--	--	<0.05	<0.05	--	--	--	--
MW-2	1/21/1993	Primary	No	EPA 8015	--	--	<0.05	<0.05	--	--	--	--

TABLE C-13

SUMMARY OF ANALYTICAL RESULTS FOR TOTAL PETROLEUM HYDROCARBONS IN GROUNDWATER SAMPLES [1]

Station A, Potrero Power Plant
San Francisco, California

All concentrations are milligrams per liter (mg/L)

Sample Point	Sample Date	Sample Type	Silica Gel Cleanup	Analytical Method	TPH	TPH as bunker oil	TPH as diesel	TPH as gasoline	TPH as motor oil	TPH as Stoddard solvent	TPH, C10-C36	TPH as Kerosene
MW-2	4/30/1993	Primary	No	EPA 8015	--	--	<0.05	<0.05	--	--	--	--
MW-2	7/30/1993	Primary	No	EPA 8015	--	--	<0.05	<0.05	--	--	--	--
MW-2	10/26/1993	Primary	No	EPA 8015	--	--	<0.05	<0.05	--	--	--	--
MW-2	2/14/1994	Primary	No	EPA 8015	--	--	<0.05	<0.05	--	--	--	--
MW-2	4/29/1994	Primary	No	EPA 8015	--	--	<0.05	**0.15**	--	--	--	--
MW-2	7/29/1994	Primary	No	EPA 8015	--	--	<0.05	<0.05	--	--	--	--
MW-2	12/7/1994	Primary	No	EPA 8015	--	--	<0.05	<0.05	--	--	--	--
MW-2	2/21/1995	Primary	No	EPA 8015	--	--	<0.05	<0.05	--	--	--	--
MW-2	2/27/1996	Primary	No	EPA 8015	--	--	<0.05	<0.05	--	--	--	--
MW-2	3/14/1997	Primary	No	EPA 8015	--	--	<0.05	<0.05	--	--	--	--
MW-2	3/13/1998	Primary	No	EPA 8015	--	--	<0.05	<0.05	--	--	--	--
MW-4	10/31/1990	Primary	No	EPA 8015	--	--	<0.2	<0.1	--	--	--	--
MW-4	1/25/1991	Primary	No	EPA 8015	--	--	<0.05	<0.05	--	--	--	--
MW-4	4/9/1991	Primary	No	EPA 8015	--	--	<0.05	<0.05	--	--	--	--
MW-4	7/25/1991	Primary	No	EPA 8015	--	--	<0.05	<0.05	--	--	--	--
MW-4	10/17/1991	Primary	No	EPA 8015	--	--	**0.06**	<0.05	--	--	--	--
MW-4	1/22/1992	Primary	No	EPA 8015	--	--	<0.05	<0.05	--	--	--	--
MW-4	4/17/1992	Primary	No	EPA 8015	--	--	<0.05	<0.05	--	--	--	--
MW-4	7/21/1992	Primary	No	EPA 8015	--	--	<0.05	<0.05	--	--	--	--
MW-4	10/19/1992	Primary	No	EPA 8015	--	--	<0.05	<0.05	--	--	--	--
MW-4	1/21/1993	Primary	No	EPA 8015	--	--	<0.05	<0.05	--	--	--	--
MW-4	4/30/1993	Primary	No	EPA 8015	--	--	<0.05	<0.05	--	--	--	--
MW-4	7/30/1993	Primary	No	EPA 8015	--	--	<0.05	<0.05	--	--	--	--
MW-4	10/26/1993	Primary	No	EPA 8015	--	--	<0.05	<0.05	--	--	--	--
MW-4	2/14/1994	Primary	No	EPA 8015	--	--	<0.05	<0.05	--	--	--	--
MW-4	4/29/1994	Primary	No	EPA 8015	--	--	<0.05	<0.05	--	--	--	--
MW-4	7/29/1994	Primary	No	EPA 8015	--	--	<0.05	<0.05	--	--	--	--
MW-4	12/7/1994	Primary	No	EPA 8015	--	--	<0.05	<0.05	--	--	--	--
MW-4	2/21/1995	Primary	No	EPA 8015	--	--	<0.05	<0.05	--	--	--	--
MW-5	10/31/1990	Primary	No	EPA 8015	--	--	<0.2	<0.1	--	--	--	--
MW-5	1/25/1991	Primary	No	EPA 8015	--	--	<0.05	<0.1	--	--	--	--
MW-5	4/9/1991	Primary	No	EPA 8015	--	--	**0.11**	<0.05	--	--	--	--
MW-5	7/25/1991	Primary	No	EPA 8015	--	--	**0.16**	<0.05	--	--	--	--
MW-5	10/17/1991	Primary	No	EPA 8015	--	--	<0.05	<0.05	--	--	--	--
MW-5	1/22/1992	Primary	No	EPA 8015	--	--	**0.41**	<0.05	--	--	--	--
MW-5	4/17/1992	Primary	No	EPA 8015	--	--	**0.26**	<0.05	--	--	--	--
MW-5	7/21/1992	Primary	No	EPA 8015	--	--	**0.21**	<0.05	--	--	--	--
MW-5	10/19/1992	Primary	No	EPA 8015	--	--	<0.05	<0.05	--	--	--	--
MW-5	1/21/1993	Primary	No	EPA 8015	--	--	<0.05	<0.05	--	--	--	--
MW-5	4/30/1993	Primary	No	EPA 8015	--	--	**0.3**	<0.05	--	--	--	--

TABLE C-13

SUMMARY OF ANALYTICAL RESULTS FOR TOTAL PETROLEUM HYDROCARBONS IN GROUNDWATER SAMPLES [1]

Station A, Potrero Power Plant
San Francisco, California

All concentrations are milligrams per liter (mg/L)

Sample Point	Sample Date	Sample Type	Silica Gel Cleanup	Analytical Method	TPH	TPH as bunker oil	TPH as diesel	TPH as gasoline	TPH as motor oil	TPH as Stoddard solvent	TPH, C10-C36	TPH as Kerosene
MW-5	7/30/1993	Primary	No	EPA 8015	--	--	**0.19**	<0.05	**1.9**	--	--	--
MW-5	10/26/1993	Primary	No	EPA 8015	--	--	<0.05	<0.05	--	--	--	--
MW-5	2/14/1994	Primary	No	EPA 8015	--	--	<0.05	<0.05	--	--	--	--
MW-5	4/29/1994	Primary	No	EPA 8015	--	--	**0.14**	<0.05	--	--	--	--
MW-5	7/29/1994	Primary	No	EPA 8015	--	--	<0.05	<0.05	--	--	--	--
MW-5	12/7/1994	Primary	No	EPA 8015	--	--	**0.25**	<0.05	--	--	--	--
MW-5	2/21/1995	Primary	No	EPA 8015	--	--	<0.05	<0.05	--	--	--	--
MW-5	5/17/1995	Primary	No	EPA 8015	--	--	**0.053**	<0.05	--	--	--	--
MW-5	8/11/1995	Primary	No	EPA 8015	--	--	<0.05	<0.05	--	--	--	--
MW-5	12/19/1995	Primary	No	EPA 8015	--	--	**0.74**	<0.05	**2.1**	--	--	--
MW-5	2/27/1996	Primary	No	EPA 8015	--	--	**0.15**	<0.05	--	--	--	--
MW-5	5/16/1996	Primary	No	EPA 8015	--	--	**0.21**	<0.05	--	--	--	--
MW-5	8/16/1996	Primary	No	EPA 8015	--	--	**0.19**	<0.05	--	--	--	--
MW-5	11/11/1996	Primary	No	EPA 8015	--	--	**0.4**	<0.05	--	--	--	--
MW-5	3/14/1997	Primary	No	EPA 8015	--	--	**0.17**	<0.05	--	--	--	--
MW-5	6/13/1997	Primary	No	EPA 8015	--	--	**0.27**	<0.05	--	--	--	--
MW-5	9/19/1997	Primary	No	EPA 8015	--	--	**0.23**	<0.05	--	--	--	--
MW-5	12/19/1997	Primary	No	EPA 8015	--	--	**0.21**	**0.15**	--	--	--	--
MW-5	3/13/1998	Primary	No	EPA 8015	--	--	**0.84**	<0.05	**1.3**	--	--	--
MW-6	10/31/1990	Primary	No	EPA 8015	--	--	<0.2	<0.1	--	--	--	--
MW-6	1/25/1991	Primary	No	EPA 8015	--	--	<0.05	<0.1	--	--	--	--
MW-6	4/9/1991	Primary	No	EPA 8015	--	--	<0.05	<0.05	--	--	--	--
MW-6	7/25/1991	Primary	No	EPA 8015	--	--	**0.1**	<0.05	--	--	--	--
MW-6	10/17/1991	Primary	No	EPA 8015	--	--	<0.05	<0.05	--	--	--	--
MW-6	1/22/1992	Primary	No	EPA 8015	--	--	<0.05	<0.05	--	--	--	--
MW-6	4/17/1992	Primary	No	EPA 8015	--	--	<0.05	<0.05	--	--	--	--
MW-6	7/21/1992	Primary	No	EPA 8015	--	--	<0.05	<0.05	--	--	--	--
MW-6	10/19/1992	Primary	No	EPA 8015	--	--	<0.05	<0.05	--	--	--	--
MW-6	1/21/1993	Primary	No	EPA 8015	--	--	<0.05	<0.05	--	--	--	--
MW-6	4/30/1993	Primary	No	EPA 8015	--	--	<0.05	<0.05	--	--	--	--
MW-6	7/30/1993	Primary	No	EPA 8015	--	--	<0.05	<0.05	--	--	--	--
MW-6	10/26/1993	Primary	No	EPA 8015	--	--	<0.05	<0.05	--	--	--	--
MW-6	2/14/1994	Primary	No	EPA 8015	--	--	<0.05	<0.05	--	--	--	--
MW-6	4/29/1994	Primary	No	EPA 8015	--	--	<0.05	<0.05	--	--	--	--
MW-6	7/29/1994	Primary	No	EPA 8015	--	--	<0.05	<0.05	--	--	--	--
MW-6	12/7/1994	Primary	No	EPA 8015	--	--	<0.05	<0.05	--	--	--	--
MW-6	2/21/1995	Primary	No	EPA 8015	--	--	<0.05	<0.05	--	--	--	--
MW-7	10/31/1990	Primary	No	EPA 8015	--	--	<0.2	<0.1	--	--	--	--
MW-7	1/25/1991	Primary	No	EPA 8015	--	--	<0.05	<0.1	--	--	--	--
MW-7	4/9/1991	Primary	No	EPA 8015	--	--	<0.05	<0.05	--	--	--	--

TABLE C-13

SUMMARY OF ANALYTICAL RESULTS FOR TOTAL PETROLEUM HYDROCARBONS IN GROUNDWATER SAMPLES [1]

Station A, Potrero Power Plant
San Francisco, California

All concentrations are milligrams per liter (mg/L)

Sample Point	Sample Date	Sample Type	Silica Gel Cleanup	Analytical Method	TPH	TPH as bunker oil	TPH as diesel	TPH as gasoline	TPH as motor oil	TPH as Stoddard solvent	TPH, C10-C36	TPH as Kerosene
MW-7	7/25/1991	Primary	No	EPA 8015	--	--	**0.06**	<0.05	--	--	--	--
MW-7	10/17/1991	Primary	No	EPA 8015	--	--	**0.06**	<0.05	--	--	--	--
MW-7	1/22/1992	Primary	No	EPA 8015	--	--	<0.05	<0.05	--	--	--	--
MW-7	4/17/1992	Primary	No	EPA 8015	--	--	<0.05	**0.55**	--	--	--	--
MW-7	7/21/1992	Primary	No	EPA 8015	--	--	<0.05	<0.05	--	--	--	--
MW-7	10/19/1992	Primary	No	EPA 8015	--	--	<0.05	<0.05	--	--	--	--
MW-7	1/21/1993	Primary	No	EPA 8015	--	--	<0.05	<0.05	--	--	--	--
MW-7	4/30/1993	Primary	No	EPA 8015	--	--	<0.05	<0.05	--	--	--	--
MW-7	7/30/1993	Primary	No	EPA 8015	--	--	<0.05	<0.05	--	--	--	--
MW-7	10/26/1993	Primary	No	EPA 8015	--	--	<0.05	<0.05	--	--	--	--
MW-7	2/14/1994	Primary	No	EPA 8015	--	--	<0.05	<0.05	--	--	--	--
MW-7	4/29/1994	Primary	No	EPA 8015	--	--	**0.091**	<0.05	--	--	--	--
MW-7	7/29/1994	Primary	No	EPA 8015	--	--	<0.05	<0.05	--	--	--	--
MW-7	12/7/1994	Primary	No	EPA 8015	--	--	<0.05	<0.05	--	--	--	--
MW-7	2/21/1995	Primary	No	EPA 8015	--	--	<0.05	<0.05	--	--	--	--
MW-7	5/17/1995	Primary	No	EPA 8015	--	--	<0.05	<0.05	--	--	--	--
MW-7	8/11/1995	Primary	No	EPA 8015	--	--	<0.05	<0.05	--	--	--	--
MW-7	12/11/1995	Primary	No	EPA 8015	--	--	**0.53**	**0.09**	--	--	--	--
MW-7	2/27/1996	Primary	No	EPA 8015	--	--	**0.15**	<0.05	--	--	--	--
MW-7	5/16/1996	Primary	No	EPA 8015	--	--	**2.1**	<0.05	--	--	--	--
MW-7	8/16/1996	Primary	No	EPA 8015	--	--	**0.6**	<0.05	--	--	--	--
MW-7	1/21/1997	Primary	No	EPA 8015	--	--	**1.2**	<0.05	--	--	--	--
MW-7	3/14/1997	Primary	No	EPA 8015	--	--	**0.12**	<0.05	--	--	--	--
MW-7	6/13/1997	Primary	No	EPA 8015	--	--	**0.29**	<0.05	--	--	--	--
MW-7	9/19/1997	Primary	No	EPA 8015	--	--	**0.21**	<0.05	--	--	--	--
MW-7	12/19/1997	Primary	No	EPA 8015	--	--	**0.28**	<0.05	--	--	--	--
MW-7	3/13/1998	Primary	No	EPA 8015	--	--	**0.2**	<0.05	--	--	--	--
Fluor Daniel GTI, 1998, Phase II Environmental Site Assessment, Potrero Power Plant, June												
APT-1	10/15/1997	Primary	No	EPA 8015	<0.5	--	--	--	--	--	--	--
MW-1	10/14/1997	Primary	No	EPA 8015	**15.3**	--	--	--	--	--	--	--
MW-2	10/14/1997	Primary	No	EPA 8015	<0.5	--	--	--	--	--	--	--
MW-4	10/14/1997	Primary	No	EPA 8015	<0.5	--	--	--	--	--	--	--
MW-5	10/14/1997	Primary	No	EPA 8015	<0.5	--	--	--	--	--	--	--
MW-6	10/14/1997	Primary	No	EPA 8015	<0.5	--	--	--	--	--	--	--
MW-7	10/14/1997	Primary	No	EPA 8015	<0.5	--	--	--	--	--	--	--
POT-9	10/14/1997	Primary	No	EPA 8015	**1.23**	--	--	--	--	--	--	--
POT-14	10/15/1997	Primary	No	EPA 8015	<0.5	--	--	--	--	--	--	--
POT-15	10/15/1997	Primary	No	EPA 8015	**1.64**	--	--	--	--	--	--	--

TABLE C-13

SUMMARY OF ANALYTICAL RESULTS FOR TOTAL PETROLEUM HYDROCARBONS IN GROUNDWATER SAMPLES [1]

Station A, Potrero Power Plant
San Francisco, California

All concentrations are milligrams per liter (mg/L)

Sample Point	Sample Date	Sample Type	Silica Gel Cleanup	Analytical Method	TPH	TPH as bunker oil	TPH as diesel	TPH as gasoline	TPH as motor oil	TPH as Stoddard solvent	TPH, C10-C36	TPH as Kerosene
TB1-001	12/10/1997	Primary	No	EPA 8015	<0.5	--	--	--	--	--	--	--
TB1-002	12/10/1997	Primary	No	EPA 8015	**8.03**	--	--	--	--	--	--	--
TB1-008	12/9/1997	Primary	No	EPA 8015	**0.64**	--	--	--	--	--	--	--
TB1-009	12/2/1997	Primary	No	EPA 8015	**91.3**	--	--	--	--	--	--	--
TB1-011	12/10/1997	Primary	No	EPA 8015	<0.5	--	--	--	--	--	--	--
TB2-003	12/10/1997	Primary	No	EPA 8015	<0.5	--	--	--	--	--	--	--
TB2-005	12/2/1997	Primary	No	EPA 8015	**0.54**	--	--	--	--	--	--	--
TB4-005	12/10/1997	Primary	No	EPA 8015	**5.9**	--	--	--	--	--	--	--
TB4-006	12/9/1997	Primary	No	EPA 8015	**2.4**	--	--	--	--	--	--	--
TB4-007	12/10/1997	Primary	No	EPA 8015	<0.5	--	--	--	--	--	--	--
TB4-008	12/9/1997	Primary	No	EPA 8015	**1.61**	--	--	--	--	--	--	--
TB4-011	12/9/1997	Primary	No	EPA 8015	**38.9**	--	--	--	--	--	--	--
TB4-013	12/9/1997	Primary/Duplicate [4]	No	EPA 8015	**1.28**	--	--	--	--	--	--	--
TB4-015	12/9/1997	Primary	No	EPA 8015	**54.6**	--	--	--	--	--	--	--
TB4-017	3/9/1998	Primary	No	EPA 8015M	**0.21**	--	--	--	--	--	--	--
TB5-001	12/10/1997	Primary	No	EPA 8015	<0.5	--	--	--	--	--	--	--
TB5-002	12/2/1997	Primary	No	EPA 8015	**1.12**	--	--	--	--	--	--	--
TB5-003	12/2/1997	Primary	No	EPA 8015	<0.5	--	--	--	--	--	--	--
Geomatrix Consultants, Inc., 2000, Report of Results, Additional Site Characterization, Potrero Power Plant Site, April												
POT-9	1/4/2000	Primary	Yes[2]	EPA 8015M	--	<0.05	<0.05	--	<0.5	<0.05	--	<0.05
TB4-007	1/5/2000	Primary	Yes	EPA 8015M	--	<0.05	**0.072**	--	<0.5	<0.05	--	<0.05
TB4-008	1/4/2000	Primary	Yes	EPA 8015M	--	<0.05	**0.1**	--	<0.5	<0.05	--	<0.05
TB4-011	1/5/2000	Primary/Duplicate [4]	Yes	EPA 8015M	--	<0.05	<0.05	--	<0.5	<0.05	**3.8**	<0.05
TB4-013	1/4/2000	Primary	Yes	EPA 8015M	--	<0.05	<0.05	--	<0.5	<0.05	--	<0.05
TB4-017	1/4/2000	Primary	Yes	EPA 8015M	--	<0.05	<0.05	--	<0.5	<0.05	--	<0.05
TB6-002	1/10/2000	Primary/Duplicate [4]	Yes	EPA 8015M	--	<0.05	<0.05	--	<0.5	<0.05	--	<0.05
Geomatrix Consultants, Inc., 2004, Ammonia Facility Construction Sampling, March [3]												
POT-15	2/25/2004	Primary	No	EPA 8260	--	--	--	**0.077**	--	--	--	--
POT-15	2/25/2004	Primary	No	EPA 8270	--	--	**0.33**	--	<0.1	--	--	--
POT-15	2/25/2004	Primary	Yes	EPA 8270	--	--	<0.05	--	<0.1	--	--	--
				Count	35	7	152	137	35	7	1	7
				Number of Detects	22	0	48	6	8	0	1	0
				Number of Non-Detects	13	7	104	131	27	7	0	7
				Minimum Detection	0.21	ND	0.053	0.077	0.14	ND	3.8	ND
				Maximum Detection	4,776	ND	4,670	29	106	ND	4	ND
				Minimum Reporting Limit	0.5	0.05	0.05	0.05	0.1	0.05	NA	0.05
				Maximum Reporting Limit	0.5	0.05	0.25	2	2	0.05	NA	0.05
				Detection Frequency	63%	0%	32%	4%	23%	0%	100%	0%

TABLE C-13

SUMMARY OF ANALYTICAL RESULTS FOR TOTAL PETROLEUM HYDROCARBONS IN GROUNDWATER SAMPLES [1]

Station A, Potrero Power Plant
San Francisco, California

All concentrations are milligrams per liter (mg/L)

Notes

1. Groundwater samples collected from monitoring wells or temporary well points and analyzed for total petroleum hydrocarbons (TPH) using EPA Method 8015 from 1991 to 2000; EPA Method 8260 (TPH quantified as gasoline) in 2004, and EPA Method 8270 (TPH quantified as diesel and motor oil) in 2004.
2. Groundwater samples were analyzed with silica gel cleanup in general accordance with EPA Method 3510 (Geomatrix, 2000).
3. A groundwater sample was collected from monitoring well POT-15 by Geomatrix Consultants, Inc., as part of pre-construction activities for the Ammonia Unloading Storage Facility Area and analyzed for total petroleum hydrocarbons (TPH) using EPA Methods 8260 and 8270.
4. For primary and duplicate sample pairs, the higher of the two results was selected for the calculation of summary statistics and exposure point concentrations. For constituents that were not detected in either sample, the lower of the two reporting limits is presented. Analytical results for both the primary and duplicate samples are presented in Appendix A.
5. The results higlighted in green were sampled from the Station A PG&E Area.

Abbreviations

"**Bold**" = detected above the laboratory reporting limit
< = not detected above the laboratory reporting limit
-- = not analyzed
EPA = U.S. Environmental Protection Agency
NA = not applicable
ND = not detected

TABLE C-14

SUMMARY OF ANALYTICAL RESULTS FOR VOLATILE ORGANIC COMPOUNDS (VOCs) AND NAPHTHALENE IN SOIL VAPOR SAMPLES BY SOIL VAPOR PROBE [1]

Potrero Power Plant

San Francisco, California

All concentrations are milligrams per liter (µg/L).

Sample Point	Sample Depth (feet bgs)	Sample Date	Purge Volumes	Analytical Method	Naphtha-lene	Benzene	Toluene	Ethyl-benzene	Xylenes	m,p-Xylenes	Acetone	n-Butyl-benzene	sec-Butyl-benzene	Chloro-benzene	Chloro-form	Dichloro-difluoro-methane	Hexane	Isopropyl-benzene (cumene)	Methyl Ethyl Ketone	n-Propyl-benzene	1,1,1-Trichloro-ethane	1,2,4-Trimethyl-benzene	1,3,5-Trimethyl-benzene	Tetra-chloro-ethylene	Tetra-hydro-furan	Trichloro-fluoro-methane
SV10A	3.5	11/4/2009	3	8260B	<0.008	<0.008	**0.016**	<0.008	<0.008	--	--	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	--	<0.020	<0.008	<0.008	<0.008	<0.008	--	--
		11/4/2009	3	TO-17	<0.0083	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		11/4/2009	3	TO-17	<0.0083	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		9/15/2010	3	8260B	**0.604**	<0.008	<0.008	<0.008	<0.008	--	--	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	--	--	<0.008	<0.008	<0.008	<0.008	--	--
SV10B	6.5	11/4/2009	3	8260B	<0.008	<0.008	**0.158**	<0.008	<0.008	--	--	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	--	<0.020	<0.008	<0.008	<0.008	<0.008	--	--
		11/4/2009	3	TO-17	<0.010	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		9/15/2010	3	8260B	**0.538**	<0.008	<0.008	<0.008	<0.008	--	--	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	--	--	<0.008	<0.008	<0.008	<0.008	--	--
SV15	4.1	11/5/2009	3	8260B	<0.008	**0.039**	<0.008	<0.008	<0.008	--	--	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	--	<0.020	<0.008	<0.008	<0.008	<0.008	--	--
		11/5/2009	3	TO-17	<0.0094	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SV16	5.2	11/3/2009	3	8260B	<0.008	<0.008	<0.008	<0.008	<0.008	--	--	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	--	<0.020	<0.008	<0.008	<0.008	<0.008	--	--
		11/3/2009	3	TO-17	<0.010	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SV17	4.8	11/3/2009	3	8260B	<0.008	<0.008	<0.008	<0.008	<0.008	--	--	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	--	<0.020	<0.008	<0.008	<0.008	<0.008	--	--
		11/3/2009	3	TO-17	<0.0091	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SV21	5	11/3/2009	3	8260B	<0.008	<0.008	<0.008	<0.008	<0.008	--	--	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	--	<0.020	<0.008	<0.008	<0.008	<0.008	--	--
		11/3/2009	3	TO-17	<0.010	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SV23	5.5	11/3/2009	3	8260B	**0.21**	**0.272**	**0.368**	<0.008	**0.342**	--	--	<0.008	**0.031**	<0.008	<0.008	<0.008	**0.770**	<0.008	--	<0.020	<0.008	**0.059**	<0.008	<0.008	--	--
		11/3/2009	3	TO-17	<0.050	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SV26	5	11/4/2009	3	8260B	<0.008	<0.008	**0.113**	<0.008	<0.008	--	--	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	--	<0.020	<0.008	<0.008	<0.008	<0.008	--	--
SV27	5.3	11/2/2009	3	8260B	<0.008	<0.008	**0.009**	<0.008	<0.008	--	--	<0.008	**0.017**	<0.008	<0.008	<0.008	<0.008	<0.008	--	<0.020	<0.008	**0.027**	**0.02**	<0.008	--	--
		11/2/2009	3	TO-17	<0.010	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SV28	5.2	11/5/2009	3	8260B	**0.03**	**0.254**	**0.043**	<0.008	**0.23**	--	--	<0.008	<0.008	**0.601**	<0.008	<0.008	<0.008	<0.008	--	<0.020	<0.008	<0.008	<0.008	<0.008	--	--
SV29	4.5	11/5/2009	3	8260B	<0.008	<0.008	<0.008	<0.008	<0.008	--	--	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	--	<0.020	<0.008	<0.008	<0.008	<0.008	--	--
		11/5/2009	3	TO-17	<0.010	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SV32	5.2	11/5/2009	3	8260B	<0.008	**0.032**	<0.008	<0.008	<0.008	--	--	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	--	<0.020	<0.008	<0.008	<0.008	<0.008	--	--
		11/5/2009	3	TO-17	**0.094**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SV33	4.8	11/2/2009	3	8260B	<0.008	<0.008	<0.008	<0.008	<0.008	--	--	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	--	<0.020	<0.008	<0.008	<0.008	<0.008	--	--
		11/2/2009	3	TO-17	<0.0099	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SV35	4.9	11/2/2009	3	8260B	<0.008	<0.008	<0.008	<0.008	<0.008	--	--	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	--	<0.020	<0.008	<0.008	<0.008	<0.008	--	--
		11/2/2009	3	TO-17	<0.010	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SV38	5.1	11/2/2009	1	8260B	<0.008	<0.008	<0.008	<0.008	<0.008	--	--	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	--	<0.020	<0.008	<0.008	<0.008	<0.008	--	--
		11/2/2009	3	8260B	<0.008	<0.008	<0.008	<0.008	<0.008	--	--	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	--	<0.020	<0.008	<0.008	<0.008	<0.008	--	--
		11/2/2009	7	8260B	<0.008	<0.008	<0.008	<0.008	<0.008	--	--	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	--	<0.020	<0.008	<0.008	<0.008	<0.008	--	--
		11/2/2009	7	TO-17	<0.0091	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SV40	5	11/2/2009	3	8260B	<0.008	<0.008	<0.008	<0.008	<0.008	--	--	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	--	<0.020	<0.008	<0.008	<0.008	<0.008	--	--
		11/2/2009	3	TO-17	<0.0099	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		11/2/2009	3	TO-17	<0.0099	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		11/2/2009	3	TO-15	<0.024	<0.0037	<0.0044	<0.005	--	<0.005	**0.011 J**	--	--	<0.0054	<0.0057	**0.0086**	<0.0041	<0.0057	**0.0059**	<0.0057	--	<0.0057	<0.0057	<0.0079	**0.013**	**0.0092**
SV51	5.2	11/3/2009	3	8260B	<0.008	<0.008	<0.008	<0.008	<0.008	--	--	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	--	<0.020	<0.008	<0.008	<0.008	<0.008	--	--
		11/3/2009	3	TO-17	<0.0092	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SV54A	3.75	11/3/2009	3	8260B	<0.008	<0.008	**0.032**	<0.008	**0.205**	--	--	<0.008	**0.018**	<0.008	<0.008	<0.008	<0.008	<0.008	--	<0.020	<0.008	**0.031**	**0.025**	<0.008	--	--
		11/3/2009	3	TO-17	<0.010	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SV54B	7.75	11/3/2009	3	8260B	<0.008	<0.008	<0.008	<0.008	<0.008	--	--	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	--	<0.020	<0.008	<0.008	<0.008	<0.008	--	--
		11/3/2009	3	TO-17	<0.010	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SV55	5.2	11/3/2009	3	8260B	<0.008	<0.008	<0.008	<0.008	<0.008	--	--	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	--	<0.020	<0.008	<0.008	<0.008	<0.008	--	--
		11/3/2009	3	TO-17	<0.010	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		11/3/2009	3	TO-17	<0.010	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		11/3/2009	3	TO-15	<0.050	<0.0076	**0.026**	<0.01	--	**0.016**	<0.023	--	--	<0.011	<0.012	<0.012	<0.0084	<0.012	<0.007	<0.012	--	<0.012	<0.012	<0.016	<0.007	<0.013
SV56	5	11/2/2009	1	8260B	<0.008	<0.008	<0.008	<0.008	<0.008	--	--	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	--	<0.020	<0.008	<0.008	<0.008	<0.008	--	--
		11/2/2009	3	8260B	<0.008	<0.008	<0.008	<0.008	<0.008	--	--	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	--	<0.020	<0.008	<0.008	<0.008	<0.008	--	--
		11/2/2009	7	8260B	<0.008	<0.008	<0.008	<0.008	<0.008	--	--	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	--	<0.020	<0.008	<0.008	<0.008	<0.008	--	--
		11/2/2009	3	TO-17	<0.010	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		9/16/2010	1	8260B	**0.334**	<0.008	<0.008	<0.008	<0.008	--	--	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	--	--	<0.008	<0.008	<0.008	<0.008	--	--
		9/16/2010	3	8260B	**0.180**	<0.008	<0.008	<0.008	<0.008	--	--	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	--	--	<0.008	<0.008	<0.008	<0.008	--	--
		9/16/2010	10	8260B	**0.122**	<0.008	<0.008	<0.008	<0.008	--	--	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	--	--	<0.008	<0.008	<0.008	<0.008	--	--
SV57	5.5	11/5/2009	3	8260B	**0.017**	**0.288**	**0.103**	**0.053**	<0.008	--	--	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	--	<0.020	<0.008	<0.008	<0.008	<0.008	--	--
SV58	5	11/2/2009	3	8260B	<0.008	<0.008	<0.008	<0.008	<0.008	--	--	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	--	<0.020	<0.008	<0.008	<0.008	<0.008	--	--
		11/2/2009	3	TO-17	<0.010	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE C-14

SUMMARY OF ANALYTICAL RESULTS FOR VOLATILE ORGANIC COMPOUNDS (VOCs) AND NAPHTHALENE IN SOIL VAPOR SAMPLES BY SOIL VAPOR PROBE [1]

Potrero Power Plant
San Francisco, California

All concentrations are milligrams per liter (µg/L).

Sample Point	Sample Depth (feet bgs)	Sample Date	Purge Volumes	Analytical Method	Naphtha-lene	Benzene	Toluene	Ethyl-benzene	Xylenes	m,p-Xylenes	Acetone	n-Butyl-benzene	sec-Butyl-benzene	Chloro-benzene	Chloro-form	Dichloro-difluoro-methane	Hexane	Isopropyl-benzene (cumene)	Methyl Ethyl Ketone	n-Propyl-benzene	1,1,1-Trichloro-ethane	1,2,4-Trimethyl-benzene	1,3,5-Trimethyl-benzene	Tetra-chloro-ethylene	Tetra-hydro-furan	Trichloro-fluoro-methane
SV59	5	11/2/2009	3	8260B	<0.008	<0.008	<0.008	<0.008	<0.008	--	--	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	--	<0.020	<0.008	<0.008	<0.008	<0.008	--	--
		11/2/2009	3	TO-17	<0.010	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SV60	5	11/5/2009	3	8260B	<0.008	<0.008	<0.008	<0.008	<0.008	--	--	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	--	<0.020	<0.008	<0.008	<0.008	<0.008	--	--
		11/5/2009	3	TO-17	<0.010	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SV61	5.1	11/3/2009	3	8260B	<0.008	<0.008	<0.008	<0.008	<0.008	--	--	<0.008	<0.008	<0.008	<0.008	<0.008	**0.042**	<0.008	--	<0.020	**0.172**	<0.008	<0.008	<0.008	--	--
		11/3/2009	3	TO-17	<0.0090	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SV63	5.3	11/3/2009	3	8260B	<0.008	<0.008	**0.045**	<0.008	<0.008	--	--	<0.008	**0.026**	<0.008	<0.008	<0.008	<0.008	<0.008	--	<0.020	<0.008	**0.047**	**0.045**	<0.008	--	--
		11/3/2009	3	TO-17	<0.0095	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SV64	4.75	11/3/2009	3	8260B	<0.008	<0.008	<0.008	<0.008	<0.008	--	--	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	--	<0.020	<0.008	<0.008	<0.008	<0.008	--	--
		11/3/2009	3	TO-17	<0.010	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SV65	5.5	11/3/2009	3	8260B	<0.008	<0.008	<0.008	<0.008	<0.008	--	--	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	--	<0.020	<0.008	<0.008	<0.008	<0.008	--	--
		11/3/2009	3	TO-17	<0.0099	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		9/16/2010	1	8260B	<0.008	<0.008	<0.008	<0.008	<0.008	--	--	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	--	--	<0.008	<0.008	<0.008	<0.008	--	--
		9/16/2010	1	8260B	<0.008	<0.008	<0.008	<0.008	<0.008	--	--	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	--	--	<0.008	<0.008	<0.008	<0.008	--	--
		9/16/2010	1	TO-15	<0.025	<0.0039	<0.0046	<0.0052	<0.0046	<0.0052	**0.02**	--	--	--	--	--	<0.0043	<0.0059	<0.0036	<0.0059	--	<0.0059	<0.0059	**0.01**	<0.0036	<0.0068

Notes
1. Soil vapor samples were (1) collected into a glass syringe and analyzed on-site using U.S. EPA Method 8260B by JEL, (2) collected into a sorbent tube by AMEC Geomatrix, Inc., and analyzed at a fixed laboratory using U.S. EPA Method TO-17 by Air Toxics, and (3) collected into a Summa™ canister by AMEC Geomatrix, Inc. and analyzed using U.S. EPA
2. The results higlighted in green were sampled from the Station A PG&E Area.

Abbreviations
bolded results indicate that the analyte was detected above its analytical reporting limit
< = Not detected above the laboratory reporting limit shown
> = Concentration is greater than the value presented due to target analyte breakthrough
-- = Not analyzed
Air Toxics = Air Toxics, Limited, of Folsom, California
bgs = below ground surface
JEL = Jones Environmental Testing Laboratories, of Fullerton, California

TABLE C-15

SUMMARY OF ANALYTICAL RESULTS FOR VOLATILE ORGANIC COMPOUNDS (VOCs) AND NAPHTHALENE IN SOIL VAPOR SAMPLES ANALYZED USING EPA METHOD 8260B [1]

Station A, Potrero Power Plant
San Francisco, California

All concentrations are milligrams per liter (µg/L).

Sample Point	Sample Depth (feet bgs)	Sample Date	Purge Volumes	Sample Type	Naphtha-lene	Benzene	Toluene	Ethyl-benzene	Xylenes	n-Butyl-benzene	sec-Butyl-benzene	Chloro-benzene	Chloro-form	Dichloro-difluoro-methane	Hexane	Isopropyl-benzene (cumene)	n-Propyl-benzene	Tetra-chloro-ethylene	1,1,1-Trichloro-ethane	1,2,4-Trimethyl-benzene	1,3,5-Trimethyl-benzene	C5-C8 Aliphatics	C9-C18 Aliphatics	C6-C8 Aromatics	C9-C16 Aromatics
SV10A	3.5	11/4/2009	3	Primary	<0.008	<0.008	**0.016**	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.020	<0.008	<0.008	<0.008	<0.008	<0.025	<0.025	<0.025	<0.025
		9/15/2010	3	Primary	**0.604**	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	NA	<0.008	<0.008	<0.008	<0.008	<0.2	<0.2	<0.2	**0.604**
SV10B	6.5	11/4/2009	3	Primary	<0.008	<0.008	**0.158**	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.020	<0.008	<0.008	<0.008	<0.008	<0.025	<0.025	<0.025	<0.025
		9/15/2010	3	Primary	**0.538**	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	NA	<0.008	<0.008	<0.008	<0.008	<0.2	<0.2	<0.2	**0.538**
SV15	4.1	11/5/2009	3	Primary	<0.008	**0.039**	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.020	<0.008	<0.008	<0.008	<0.008	<0.025	<0.025	**0.039**	<0.025
SV16	5.2	11/3/2009	3	Primary	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.020	<0.008	<0.008	<0.008	<0.008	<0.025	<0.025	<0.025	<0.025
SV17	4.8	11/3/2009	3	Primary	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.020	<0.008	<0.008	<0.008	<0.008	<0.025	<0.025	<0.025	<0.025
SV21	5	11/3/2009	3	Primary	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.020	<0.008	<0.008	<0.008	<0.008	<0.025	<0.025	<0.025	<0.025
SV23	5.5	11/3/2009	3	Primary	**0.21**	**0.272**	**0.368**	<0.008	**0.342**	<0.008	**0.031**	<0.008	<0.008	<0.008	**0.770**	<0.008	<0.020	<0.008	<0.008	**0.059**	<0.008	**20.4**	**12.8**	**0.982**	**0.3**
SV26	5	11/4/2009	3	Primary	<0.008	<0.008	**0.113**	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.020	<0.008	<0.008	<0.008	<0.008	<0.025	<0.025	<0.025	<0.025
SV27	5.3	11/2/2009	3	Primary	<0.008	<0.008	**0.009**	<0.008	<0.008	<0.008	**0.017**	<0.008	<0.008	<0.008	<0.008	<0.008	<0.020	<0.008	<0.008	**0.027**	**0.02**	<0.025	<0.025	<0.025	**0.064**
SV28	5.2	11/5/2009	3	Primary	**0.03**	**0.254**	**0.043**	<0.008	**0.23**	<0.008	<0.008	**0.601**	<0.008	<0.008	<0.008	<0.008	<0.020	<0.008	<0.008	<0.008	<0.008	<0.025	<0.025	**0.527**	**0.631**
SV29	4.5	11/5/2009	3	Primary	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.020	<0.008	<0.008	<0.008	<0.008	<0.025	<0.025	<0.025	<0.025
SV32	5.2	11/5/2009	3	Primary	<0.008	**0.032**	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.020	<0.008	<0.008	<0.008	<0.008	<0.025	<0.025	<0.025	<0.025
SV33	4.8	11/2/2009	3	Primary	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.020	<0.008	<0.008	<0.008	<0.008	<0.025	<0.025	<0.025	<0.025
SV35	4.9	11/2/2009	3	Primary	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.020	<0.008	<0.008	<0.008	<0.008	<0.025	<0.025	<0.025	<0.025
SV38	5.1	11/2/2009	1	Primary	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.020	<0.008	<0.008	<0.008	<0.008	<0.025	<0.025	<0.025	<0.025
		11/2/2009	3	Primary	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.020	<0.008	<0.008	<0.008	<0.008	<0.025	<0.025	<0.025	<0.025
		11/2/2009	7	Primary	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.020	<0.008	<0.008	<0.008	<0.008	<0.025	<0.025	<0.025	<0.025
SV40	5	11/2/2009	3	Primary	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.020	<0.008	<0.008	<0.008	<0.008	<0.025	<0.025	<0.025	<0.025
SV51	5.2	11/3/2009	3	Primary	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.020	<0.008	<0.008	<0.008	<0.008	<0.025	<0.025	<0.025	<0.025
SV54A	3.75	11/3/2009	3	Primary	<0.008	<0.008	**0.032**	<0.008	**0.205**	<0.008	**0.018**	<0.008	<0.008	<0.008	<0.008	<0.008	<0.020	<0.008	<0.008	**0.031**	**0.025**	<0.025	<0.025	**0.237**	**0.074**
SV54B	7.75	11/3/2009	3	Primary	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.020	<0.008	<0.008	<0.008	<0.008	<0.025	<0.025	<0.025	<0.025
SV55	5.2	11/3/2009	3	Primary	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.020	<0.008	<0.008	<0.008	<0.008	<0.025	<0.025	<0.025	<0.025
SV56	5	11/2/2009	1	Primary	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.020	<0.008	<0.008	<0.008	<0.008	<0.025	<0.025	<0.025	<0.025
		11/2/2009	3	Primary	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.020	<0.008	<0.008	<0.008	<0.008	<0.025	<0.025	<0.025	<0.025
		11/2/2009	7	Primary	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.020	<0.008	<0.008	<0.008	<0.008	<0.025	<0.025	<0.025	<0.025
		9/16/2010	1	Primary	**0.334**	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	NA	<0.008	<0.008	<0.008	<0.008	<0.2	<0.2	<0.2	**0.334**
		9/16/2010	3	Primary	**0.180**	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	NA	<0.008	<0.008	<0.008	<0.008	<0.2	<0.2	<0.2	**0.180**
		9/16/2010	10	Primary	**0.122**	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	NA	<0.008	<0.008	<0.008	<0.008	<0.2	<0.2	<0.2	**0.122**
SV57	5.5	11/5/2009	3	Primary	**0.017**	**0.288**	**0.103**	**0.053**	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.020	<0.008	<0.008	<0.008	<0.008	<0.025	<0.025	**0.444**	<0.025
SV58	5	11/2/2009	3	Primary	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.020	<0.008	<0.008	<0.008	<0.008	<0.025	<0.025	<0.025	<0.025
SV59	5	11/2/2009	3	Primary	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.020	<0.008	<0.008	<0.008	<0.008	<0.025	<0.025	<0.025	<0.025
SV60	5	11/5/2009	3	Primary	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.020	<0.008	<0.008	<0.008	<0.008	<0.025	<0.025	<0.025	<0.025
SV61	5.1	11/3/2009	3	Primary	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	**0.042**	<0.008	<0.020	<0.008	**0.172**	<0.008	<0.008	<0.025	<0.025	<0.025	<0.025
SV63	5.3	11/3/2009	3	Primary	<0.008	<0.008	**0.045**	<0.008	<0.008	<0.008	**0.026**	<0.008	<0.008	<0.008	<0.008	<0.008	<0.020	<0.008	<0.008	**0.047**	**0.045**	<0.025	<0.025	**0.045**	**0.118**
SV64	4.75	11/3/2009	3	Primary	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.020	<0.008	<0.008	<0.008	<0.008	<0.025	<0.025	<0.025	<0.025
SV65	5.5	11/3/2009	3	Primary	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.020	<0.008	<0.008	<0.008	<0.008	<0.025	<0.025	<0.025	<0.025
		9/16/2010	1	Primary	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	NA	<0.008	<0.008	<0.008	<0.008	<0.2	<0.2	<0.2	<0.2
		9/16/2010	1	Duplicate	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	NA	<0.008	<0.008	<0.008	<0.008	<0.2	<0.2	<0.2	<0.2
				Count	39	39	39	39	39	39	39	39	39	39	39	39	33	39	39	39	39	39	39	39	39
				Number of Detects	8	5	9	1	3	0	4	1	0	0	2	0	0	0	1	4	3	1	1	6	10
				Number of Non-Detects	31	34	30	38	36	39	35	38	39	39	37	39	33	39	38	35	36	38	38	33	29
				Minimum Detection	0.017	0.032	0.009	0.053	0.205	ND	0.017	0.601	ND	ND	0.042	ND	ND	ND	0.172	0.027	0.020	20.400	12.800	0.039	0.064
				Maximum Detection	0.604	0.288	0.368	0.053	0.342	ND	0.031	0.601	ND	ND	0.770	ND	ND	ND	0.172	0.059	0.045	20.400	12.800	0.982	0.631
				Minimum Reporting Limit	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.02	0.008	0.008	0.008	0.008	0.025	0.025	0.025	0.025
				Maximum Reporting Limit	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.020	0.008	0.008	0.008	0.008	0.200	0.200	0.200	0.200
				Detection Frequency	21%	13%	23%	3%	8%	0%	10%	3%	0%	0%	5%	0%	0%	0%	3%	10%	8%	3%	3%	15%	26%

Note
1. Soil vapor samples were collected into a glass syringe and analyzed on-site using EPA Method 8260B by JEL.
2. The results highlighted in green were sampled from the Station A PG&E Area.

Abbreviations
bolded results indicate that the analyte was detected above its analytical reporting limit
< = Not detected above the laboratory reporting limit shown
bgs = below ground surface

JEL = Jones Environmental Testing Laboratories, of Fullerton, California
NA = Not analyzed
ND = Not detected

TABLE C-16

SUMMARY OF ANALYTICAL RESULTS FOR VOLATILE ORGANIC COMPOUNDS (VOCs) AND NAPHTHALENE IN SOIL VAPOR SAMPLES ANALYZED USING EPA METHOD TO-15 [1]

Station A, Potrero Power Plant

San Francisco, California

All concentrations are milligrams per liter (µg/L).

Sample Point	Sample Depth (feet bgs)	Sample Date	Purge Volumes	Sample Type	Naphtha-lene	Benzene	Toluene	Ethyl-benzene	m,p-Xylenes	o-Xylenes	Acetone	Chloro-benzene	Chloro-form	Dichloro-difluoro-methane	Hexane	Isopropyl-benzene (cumene)	Methyl Ethyl Ketone	n-Propyl-benzene	1,2,4-Trimethyl-benzene	1,3,5-Trimethyl-benzene	Tetra-chloro-ethylene	Tetra-hydro-furan	Trichloro-fluoro-methane
SV40	5	11/2/2009	3	Primary	<0.024	<0.0037	<0.0044	<0.005	<0.005	<0.005	**0.011 J**	<0.0054	<0.0057	**0.0086**	<0.0041	<0.0057	**0.0059**	<0.0057	<0.0057	<0.0057	<0.0079	**0.013**	**0.0092**
SV55	5.2	11/3/2009	3	Primary	<0.050	<0.0076	**0.026**	<0.01	**0.016**	<0.01	<0.023	<0.011	<0.012	<0.012	<0.0084	<0.012	<0.007	<0.012	<0.012	<0.012	<0.016	<0.007	<0.013
SV65	5.5	9/16/2010	1	Primary	<0.025	<0.0039	<0.0046	<0.0052	<0.0052	<0.0052	**0.02**	<0.0056	<0.0059	<0.006	<0.0043	<0.0059	<0.0036	<0.0059	<0.0059	<0.0059	**0.01**	<0.0036	<0.0068
				Count	3	3	3	3	3	3	2	3	3	3	3	3	3	3	3	3	3	3	3
				Number of Detects	0	0	1	0	1	0	1	0	0	1	0	0	1	0	0	0	1	1	1
				Number of Non-Detects	3	3	2	3	2	3	1	3	3	2	3	3	2	3	3	3	2	2	2
				Minimum Detection	ND	ND	0.026	ND	0.016	ND	0.020	ND	ND	0.009	ND	ND	0.006	ND	ND	ND	0.010	0.013	0.009
				Maximum Detection	ND	ND	0.026	ND	0.016	ND	0.020	ND	ND	0.009	ND	ND	0.006	ND	ND	ND	0.010	0.013	0.009
				Minimum Reporting Limit	0.024	0.0037	0.0044	0.005	0.005	0.005	0.023	0.0054	0.0057	0.006	0.0041	0.0057	0.0036	0.0057	0.0057	0.0057	0.0079	0.0036	0.0068
				Maximum Reporting Limit	0.050	0.008	0.005	0.010	0.005	0.010	0.023	0.011	0.012	0.012	0.008	0.012	0.007	0.012	0.012	0.012	0.016	0.007	0.013
				Detection Frequency	0%	0%	33%	0%	33%	0%	50%	0%	0%	33%	0%	0%	33%	0%	0%	0%	33%	33%	33%

Note

1. Soil vapor samples were collected into a Summa™ canister by AMEC Geomatrix, Inc. and analyzed using U.S. EPA Method TO-15 by Air Toxics.
2. The results higlighted in green were sampled from the Station A PG&E Area.

Abbreviations

bolded results indicate that the analyte was detected above its analytical reporting limit

< = not detected above the laboratory reporting limit shown

Air Toxics = Air Toxics, Limited, of Folsom, California

bgs = below ground surface

MTBE = methyl tert-butyl ether

NA = not analyzed

TABLE C-17

SUMMARY OF ANALYTICAL RESULTS FOR NAPHTHALENE AND 2-METHYLNAPHTHALENE IN SOIL VAPOR SAMPLES ANALYZED USING EPA METHOD TO-17 [1]

Station A, Potrero Power Plant
San Francisco, California

All concentrations are milligrams per liter (µg/L).

Sample Point	Sample Depth (feet bgs)	Sample Date	Purge Volumes	Sample Type	Naphtha-lene	2-Methyl Naphtha-lene
SV10A	3.5	11/4/2009	3	Primary	<0.0083	<0.0083
SV10A	3.5	11/4/2009	3	Duplicate	<0.0083	<0.0083
SV10B	6.5	11/4/2009	3	Primary	<0.010	<0.010
SV15	4.1	11/5/2009	3	Primary	<0.0094	<0.0094
SV16	5.2	11/3/2009	3	Primary	<0.010	<0.010
SV17	4.8	11/3/2009	3	Primary	<0.0091	<0.0091
SV21	5	11/3/2009	3	Primary	<0.010	<0.010
SV23	5.5	11/3/2009	3	Primary	<0.050	<0.050
SV27	5.3	11/2/2009	3	Primary	<0.010	<0.010
SV29	4.5	11/5/2009	3	Primary	<0.010	<0.010
SV32	5.2	11/5/2009	3	Primary	**0.094**	<0.010
SV33	4.8	11/2/2009	3	Primary	<0.0099	<0.0099
SV35	4.9	11/2/2009	3	Primary	<0.010	<0.010
SV38	5.1	11/2/2009	7	Primary	<0.0091	<0.0091
SV40	5	11/2/2009	3	Primary	<0.0099	<0.0099
SV40	5	11/2/2009	3	Duplicate	<0.0099	<0.0099
SV51	5.2	11/3/2009	3	Primary	<0.0092	<0.0092
SV54A	3.8	11/3/2009	3	Primary	<0.010	<0.010
SV54B	7.8	11/3/2009	3	Primary	<0.010	<0.010
SV55	5.2	11/3/2009	3	Primary	<0.010	<0.010
SV55	5.2	11/3/2009	3	Primary	<0.010	<0.010
SV56	5	11/2/2009	3	Primary	<0.010	<0.010
SV58	5	11/2/2009	3	Replicate	<0.010	<0.010
SV59	5	11/2/2009	3	Primary	<0.010	<0.010
SV60	5	11/5/2009	3	Primary	<0.010	<0.010
SV61	5.1	11/3/2009	3	Primary	<0.0090	<0.0090
SV63	5.3	11/3/2009	3	Primary	<0.0095	<0.0095
SV64	4.75	11/3/2009	3	Primary	<0.010	<0.010
SV65	5.5	11/3/2009	3	Primary	<0.0099	<0.0099
				Count	26	26
				Number of Detects	1	0
				Number of Non-Detects	25	26
				Minimum Detection	0.094	0.000
				Maximum Detection	0.094	0.000
				Minimum Reporting Limit	0.0083	0.0083
				Maximum Reporting Limit	0.050	0.050
				Detection Frequency	4%	0%

Note

1. Soil vapor samples were collected into a sorbent tube by AMEC Geomatrix, Inc., and analyzed at a fixed laboratory using EPA Method TO-17 by Air Toxics, Ltd.
2. The results higlighted in green were sampled from the Station A PG&E Area.

Abbreviations

bolded results indicate that the analyte was detected above its analytical reporting limit
< = Not detected above the laboratory reporting limit shown
Air Toxics = Air Toxics, Limited, of Folsom, California

TABLE C-18

SUMMARY OF ANALYTICAL RESULTS FOR VOLATILE ORGANIC COMPOUNDS (VOCs) AND NAPHTHALENE IN SOIL VAPOR SAMPLES BY SOIL VAPOR PROBE [1]

Station A, Potrero Power Plant

San Francisco, California

All concentrations are milligrams per liter (µg/L).

Sample Point	Sample Depth (feet bgs)	Sample Date	Purge Volumes	Analytical Method	Naphthalene	Benzene	Toluene	Ethylbenzene	Xylenes	m,p-Xylenes	Acetone	n-Butylbenzene	sec-Butylbenzene	Chlorobenzene	Chloroform	Dichlorodifluoromethane	Hexane	Isopropylbenzene (cumene)	Methyl Ethyl Ketone	n-Propylbenzene	1,1,1-Trichloroethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Tetrachloroethylene	Tetrahydrofuran	Trichlorofluoromethane
SV10A	3.5	11/4/2009	3	8260B	<0.008	<0.008	**0.016**	<0.008	<0.008	--	--	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	--	<0.020	<0.008	<0.008	<0.008	<0.008	--	--
		11/4/2009	3	TO-17	<0.0083	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		11/4/2009	3	TO-17	<0.0083	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		9/15/2010	3	8260B	**0.604**	<0.008	<0.008	<0.008	<0.008	--	--	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	--	--	<0.008	<0.008	<0.008	<0.008	--	--
SV10B	6.5	11/4/2009	3	8260B	<0.008	<0.008	**0.158**	<0.008	<0.008	--	--	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	--	<0.020	<0.008	<0.008	<0.008	<0.008	--	--
		11/4/2009	3	TO-17	<0.010	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		9/15/2010	3	8260B	**0.538**	<0.008	<0.008	<0.008	<0.008	--	--	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	--	--	<0.008	<0.008	<0.008	<0.008	--	--
SV15	4.1	11/5/2009	3	8260B	<0.008	**0.039**	<0.008	<0.008	<0.008	--	--	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	--	<0.020	<0.008	<0.008	<0.008	<0.008	--	--
		11/5/2009	3	TO-17	<0.0094	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SV16	5.2	11/3/2009	3	8260B	<0.008	<0.008	<0.008	<0.008	<0.008	--	--	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	--	<0.020	<0.008	<0.008	<0.008	<0.008	--	--
		11/3/2009	3	TO-17	<0.010	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SV17	4.8	11/3/2009	3	8260B	<0.008	<0.008	<0.008	<0.008	<0.008	--	--	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	--	<0.020	<0.008	<0.008	<0.008	<0.008	--	--
		11/3/2009	3	TO-17	<0.0091	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SV21	5	11/3/2009	3	8260B	<0.008	<0.008	<0.008	<0.008	<0.008	--	--	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	--	<0.020	<0.008	<0.008	<0.008	<0.008	--	--
		11/3/2009	3	TO-17	<0.010	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SV23	5.5	11/3/2009	3	8260B	**0.21**	**0.272**	**0.368**	<0.008	**0.342**	--	--	<0.008	**0.031**	<0.008	<0.008	<0.008	**0.770**	<0.008	--	<0.020	<0.008	**0.059**	<0.008	<0.008	--	--
		11/3/2009	3	TO-17	<0.050	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SV26	5	11/4/2009	3	8260B	<0.008	<0.008	**0.113**	<0.008	<0.008	--	--	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	--	<0.020	<0.008	<0.008	<0.008	<0.008	--	--
SV27	5.3	11/2/2009	3	8260B	<0.008	<0.008	**0.009**	<0.008	<0.008	--	--	<0.008	**0.017**	<0.008	<0.008	<0.008	<0.008	<0.008	--	<0.020	<0.008	**0.027**	**0.02**	<0.008	--	--
		11/2/2009	3	TO-17	<0.010	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SV28	5.2	11/5/2009	3	8260B	**0.03**	**0.254**	**0.043**	<0.008	**0.23**	--	--	<0.008	<0.008	**0.601**	<0.008	<0.008	<0.008	<0.008	--	<0.020	<0.008	<0.008	<0.008	<0.008	--	--
SV29	4.5	11/5/2009	3	8260B	<0.008	<0.008	<0.008	<0.008	<0.008	--	--	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	--	<0.020	<0.008	<0.008	<0.008	<0.008	--	--
		11/5/2009	3	TO-17	<0.010	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SV32	5.2	11/5/2009	3	8260B	<0.008	**0.032**	<0.008	<0.008	<0.008	--	--	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	--	<0.020	<0.008	<0.008	<0.008	<0.008	--	--
		11/5/2009	3	TO-17	**0.094**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SV33	4.8	11/2/2009	3	8260B	<0.008	<0.008	<0.008	<0.008	<0.008	--	--	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	--	<0.020	<0.008	<0.008	<0.008	<0.008	--	--
		11/2/2009	3	TO-17	<0.0099	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SV35	4.9	11/2/2009	3	8260B	<0.008	<0.008	<0.008	<0.008	<0.008	--	--	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	--	<0.020	<0.008	<0.008	<0.008	<0.008	--	--
		11/2/2009	3	TO-17	<0.010	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SV38	5.1	11/2/2009	1	8260B	<0.008	<0.008	<0.008	<0.008	<0.008	--	--	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	--	<0.020	<0.008	<0.008	<0.008	<0.008	--	--
		11/2/2009	3	8260B	<0.008	<0.008	<0.008	<0.008	<0.008	--	--	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	--	<0.020	<0.008	<0.008	<0.008	<0.008	--	--
		11/2/2009	7	8260B	<0.008	<0.008	<0.008	<0.008	<0.008	--	--	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	--	<0.020	<0.008	<0.008	<0.008	<0.008	--	--
		11/2/2009	7	TO-17	<0.0091	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SV40	5	11/2/2009	3	8260B	<0.008	<0.008	<0.008	<0.008	<0.008	--	--	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	--	<0.020	<0.008	<0.008	<0.008	<0.008	--	--
		11/2/2009	3	TO-17	<0.0099	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		11/2/2009	3	TO-17	<0.0099	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		11/2/2009	3	TO-15	<0.024	<0.0037	<0.0044	<0.005	--	<0.005	**0.011 J**	--	--	<0.0054	<0.0057	**0.0086**	<0.0041	<0.0057	**0.0059**	<0.0057	--	<0.0057	<0.0057	<0.0079	**0.013**	**0.0092**
SV51	5.2	11/3/2009	3	8260B	<0.008	<0.008	<0.008	<0.008	<0.008	--	--	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	--	<0.020	<0.008	<0.008	<0.008	<0.008	--	--
		11/3/2009	3	TO-17	<0.0092	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SV54A	3.75	11/3/2009	3	8260B	<0.008	<0.008	**0.032**	<0.008	**0.205**	--	--	<0.008	**0.018**	<0.008	<0.008	<0.008	<0.008	<0.008	--	<0.020	<0.008	**0.031**	**0.025**	<0.008	--	--
		11/3/2009	3	TO-17	<0.010	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SV54B	7.75	11/3/2009	3	8260B	<0.008	<0.008	<0.008	<0.008	<0.008	--	--	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	--	<0.020	<0.008	<0.008	<0.008	<0.008	--	--
		11/3/2009	3	TO-17	<0.010	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SV55	5.2	11/3/2009	3	8260B	<0.008	<0.008	<0.008	<0.008	<0.008	--	--	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	--	<0.020	<0.008	<0.008	<0.008	<0.008	--	--
		11/3/2009	3	TO-17	<0.010	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		11/3/2009	3	TO-17	<0.010	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		11/3/2009	3	TO-15	<0.050	<0.0076	**0.026**	<0.01	--	**0.016**	<0.023	--	--	<0.011	<0.012	<0.012	<0.0084	<0.012	<0.007	<0.012	--	<0.012	<0.012	<0.016	<0.007	<0.013
SV56	5	11/2/2009	1	8260B	<0.008	<0.008	<0.008	<0.008	<0.008	--	--	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	--	<0.020	<0.008	<0.008	<0.008	<0.008	--	--
		11/2/2009	3	8260B	<0.008	<0.008	<0.008	<0.008	<0.008	--	--	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	--	<0.020	<0.008	<0.008	<0.008	<0.008	--	--
		11/2/2009	7	8260B	<0.008	<0.008	<0.008	<0.008	<0.008	--	--	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	--	<0.020	<0.008	<0.008	<0.008	<0.008	--	--
		11/2/2009	3	TO-17	<0.010	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		9/16/2010	1	8260B	**0.334**	<0.008	<0.008	<0.008	<0.008	--	--	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	--	--	<0.008	<0.008	<0.008	<0.008	--	--
		9/16/2010	3	8260B	**0.180**	<0.008	<0.008	<0.008	<0.008	--	--	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	--	--	<0.008	<0.008	<0.008	<0.008	--	--
		9/16/2010	10	8260B	**0.122**	<0.008	<0.008	<0.008	<0.008	--	--	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	--	--	<0.008	<0.008	<0.008	<0.008	--	--
SV57	5.5	11/5/2009	3	8260B	**0.017**	**0.288**	**0.103**	**0.053**	<0.008	--	--	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	--	<0.020	<0.008	<0.008	<0.008	<0.008	--	--
SV58	5	11/2/2009	3	8260B	<0.008	<0.008	<0.008	<0.008	<0.008	--	--	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	--	<0.020	<0.008	<0.008	<0.008	<0.008	--	--
		11/2/2009	3	TO-17	<0.010	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE C-18

SUMMARY OF ANALYTICAL RESULTS FOR VOLATILE ORGANIC COMPOUNDS (VOCs) AND NAPHTHALENE IN SOIL VAPOR SAMPLES BY SOIL VAPOR PROBE [1]
Station A, Potrero Power Plant
San Francisco, California

All concentrations are milligrams per liter (µg/L).

Sample Point	Sample Depth (feet bgs)	Sample Date	Purge Volumes	Analytical Method	Naphtha-lene	Benzene	Toluene	Ethyl-benzene	Xylenes	m,p-Xylenes	Acetone	n-Butyl-benzene	sec-Butyl-benzene	Chloro-benzene	Chloro-form	Dichloro-difluoro-methane	Hexane	Isopropyl-benzene (cumene)	Methyl Ethyl Ketone	n-Propyl-benzene	1,1,1-Trichloro-ethane	1,2,4-Trimethyl-benzene	1,3,5-Trimethyl-benzene	Tetra-chloro-ethylene	Tetra-hydro-furan	Trichloro-fluoro-methane
SV59	5	11/2/2009	3	8260B	<0.008	<0.008	<0.008	<0.008	<0.008	--	--	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	--	<0.020	<0.008	<0.008	<0.008	<0.008	--	--
		11/2/2009	3	TO-17	<0.010	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SV60	5	11/5/2009	3	8260B	<0.008	<0.008	<0.008	<0.008	<0.008	--	--	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	--	<0.020	<0.008	<0.008	<0.008	<0.008	--	--
		11/5/2009	3	TO-17	<0.010	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SV61	5.1	11/3/2009	3	8260B	<0.008	<0.008	<0.008	<0.008	<0.008	--	--	<0.008	<0.008	<0.008	<0.008	<0.008	**0.042**	<0.008	--	<0.020	**0.172**	<0.008	<0.008	<0.008	--	--
		11/3/2009	3	TO-17	<0.0090	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SV63	5.3	11/3/2009	3	8260B	<0.008	<0.008	**0.045**	<0.008	<0.008	--	--	<0.008	**0.026**	<0.008	<0.008	<0.008	<0.008	<0.008	--	<0.020	<0.008	**0.047**	**0.045**	<0.008	--	--
		11/3/2009	3	TO-17	<0.0095	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SV64	4.75	11/3/2009	3	8260B	<0.008	<0.008	<0.008	<0.008	<0.008	--	--	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	--	<0.020	<0.008	<0.008	<0.008	<0.008	--	--
		11/3/2009	3	TO-17	<0.010	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SV65	5.5	11/3/2009	3	8260B	<0.008	<0.008	<0.008	<0.008	<0.008	--	--	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	--	<0.020	<0.008	<0.008	<0.008	<0.008	--	--
		11/3/2009	3	TO-17	<0.0099	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		9/16/2010	1	8260B	<0.008	<0.008	<0.008	<0.008	<0.008	--	--	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	--	--	<0.008	<0.008	<0.008	<0.008	--	--
		9/16/2010	1	8260B	<0.008	<0.008	<0.008	<0.008	<0.008	--	--	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	--	--	<0.008	<0.008	<0.008	<0.008	--	--
		9/16/2010	1	TO-15	<0.025	<0.0039	<0.0046	<0.0052	<0.0046	<0.0052	**0.02**	--	--	--	--	--	<0.0043	<0.0059	<0.0036	<0.0059	--	<0.0059	<0.0059	**0.01**	<0.0036	<0.0068

Note

1. Soil vapor samples were (1) collected into a glass syringe and analyzed on-site using U.S. EPA Method 8260B by JEL, (2) collected into a sorbent tube by AMEC Geomatrix, Inc., and analyzed at a fixed laboratory using U.S. EPA Method TO-17 by Air Toxics, and (3) collected into a Summa™ canister by AMEC Geomatrix, Inc. and analyzed using U.S. EPA Method
2. The results higlighted in green were sampled from the Station A PG&E Area.

Abbreviations

bolded results indicate that the analyte was detected above its analytical reporting limit
< = Not detected above the laboratory reporting limit shown
> = Concentration is greater than the value presented due to target analyte breakthrough
-- = Not analyzed
Air Toxics = Air Toxics, Limited, of Folsom, California
bgs = below ground surface
JEL = Jones Environmental Testing Laboratories, of Fullerton, California

TERRA PACIFIC GROUP
Environmental Engineering, Consulting, and Construction
13900 Alton Parkway, Suite 122, Irvine, California 92618
Phone (949) 297-4444 • FAX (949) 297-3625

March 25, 2019

Ms. Sara Ziff
U.S. Environmental Protection Agency, Region 9
75 Hawthorne Street
Mail Code: LND-4-1
San Francisco, California 94105

RE: Applicability of PCB-Containing Fill to TSCA Requirements
Tank Farm Area, Potrero Power Plant Site
1201 Illinois Street
San Francisco, California

Dear Ms. Ziff:

On behalf of Pacific Gas and Electric Company (PG&E), this letter is being submitted as a follow-up to the meeting held with you, Mark Johnson (Water Board), Zeynep Ungun (PG&E) and Max Reyhani (Terra Pacific Group) on February 19, 2019, regarding the presence of polychlorinated biphenyls (PCBs) in fill material at the Tank Farm Area of the Potrero Power Plant Site in San Francisco, California. The findings presented herein conclude that PCBs in fill material at the Tank Farm Area are exempt from Toxic Substances Control Act (TSCA) requirements because PCB-containing fill was placed onsite before TSCA became law in 1976.

BACKGROUND

From 1872 and 1930, a manufactured gas plant (MGP) operated within and east of the Tank Farm Area site boundary. The MGP was placed on standby upon arrival of natural gas in the area in 1930, and MGP facilities were dismantled in the early 1960s. MGP dismantling activities included the removal of aboveground structures and filling resulting cavities, including the foundation of two approximately 28-foot-deep gas holder foundations. Three aboveground storage tanks (ASTs; designated as Tanks 4, 5 and 3 [from west to east]) were installed between 1965 and 1976 to provide fuel for Potrero Power Plant facilities, and the three ASTs were recently dismantled in 2017.

In late 2017 and early 2018, a remedial investigation was conducted at the Tank Farm Area (Haley & Aldrich [H&A], 2018). As part of the investigation, a total of 56 soil samples were collected from the Tank Farm Area and analyzed for total PCBs. As shown on Figure 7 of the investigation report (H&A, 2018; see attached Figure 7), PCBs in soil were detected between 1 milligram per kilogram[mg/kg] and a maximum concentration of 140 mg/kg in fill material on the western side of the Tank Farm Area within the footprints of two former 28-foot-deep gas holder foundations and the former Tank 4 structure, at depths ranging from 0.5 to 25 feet below ground surface (bgs). Based on the vertical distribution of PCBs in the fill material and the known development/redevelopment history of the Tank Farm Area, the presence of PCBs is attributed to

placement of fill following decommissioning of the old MGP structures and prior to construction of Tank 4.

HISTORICAL AERIAL PHOTOGRAPH REVIEW

In order to assess whether TSCA is applicable to PCBs found in fill material at the Tank Farm Area and to verify the known development history of the Site, historical aerial photographs from the 1960s and 1970s were reviewed to confirm that the PCB-containing fill was placed before TSCA became law in 1976. Aerial photographs taken in 1963, 1968 and 1974 were obtained from EDR of Shelton, Connecticut, and reviewed (see attached photographs).

Based on review of the 1963 photograph, the infrastructure of the MGP was present in 1963, including the two gas holder structures on the western side of the Tank Farm Area. By the time the 1968 photograph was taken, the MGP aboveground infrastructure had been removed, the cavities associated with the features of the western part of the MGP had been filled (e.g., the inground gas holder foundations), and Tank 3 had been constructed on the eastern side of the Tank Farm Area. By the time the 1974 photograph was taken, Tank 4 had been constructed on the western side of the Tank Farm Area, over the location of the former MGP gas holders and the fill materials with PCBs. These photographs are consistent with the known development history of the Tank Farm Area and confirm that fill materials containing PCBs had been placed by 1968, several years prior to the enactment of TSCA regulations in 1976.

CONCLUSIONS

Based on the review of the three aerial photographs and the known development history of the Tank Farm area, the PCB-containing fill was in-place on the western side of the Tank Farm Area before 1974 due to the presence of Tank 4 in the 1974 photograph. Furthermore, the historical photographs show that the PCB-containing fill was in place by 1968 because the MGP aboveground structures had been removed by then and the cavities (e.g., two former MGP gas holder foundations) that now contain PCB-containing soils had been filled and graded as shown in the 1968 photograph. Therefore, PCB-containing fill was in-place well before TSCA became law in 1976.

We request your concurrence that PCB-containing fill at the Tank Farm Area is suitable for mitigation under Water Board oversight and that PCBs detected in soil at the Site are exempt from TSCA requirements.

If you have any questions or comments, please do not hesitate to call the undersigned Rick McCartney at (925) 951-6000, ext. 321 or Rob Saur at (925) 415-6371.

Respectfully submitted,
Terra Pacific Group Incorporated

PROFESSIONAL GEOLOGIST
RICHARD F. MCCARTNEY
No. 5140
Exp. 6/30/19
STATE OF CALIFORNIA

Richard McCartney, PG
Senior Project Manager

Max Reyhani, PE
Principal-In-Charge

Attachments:

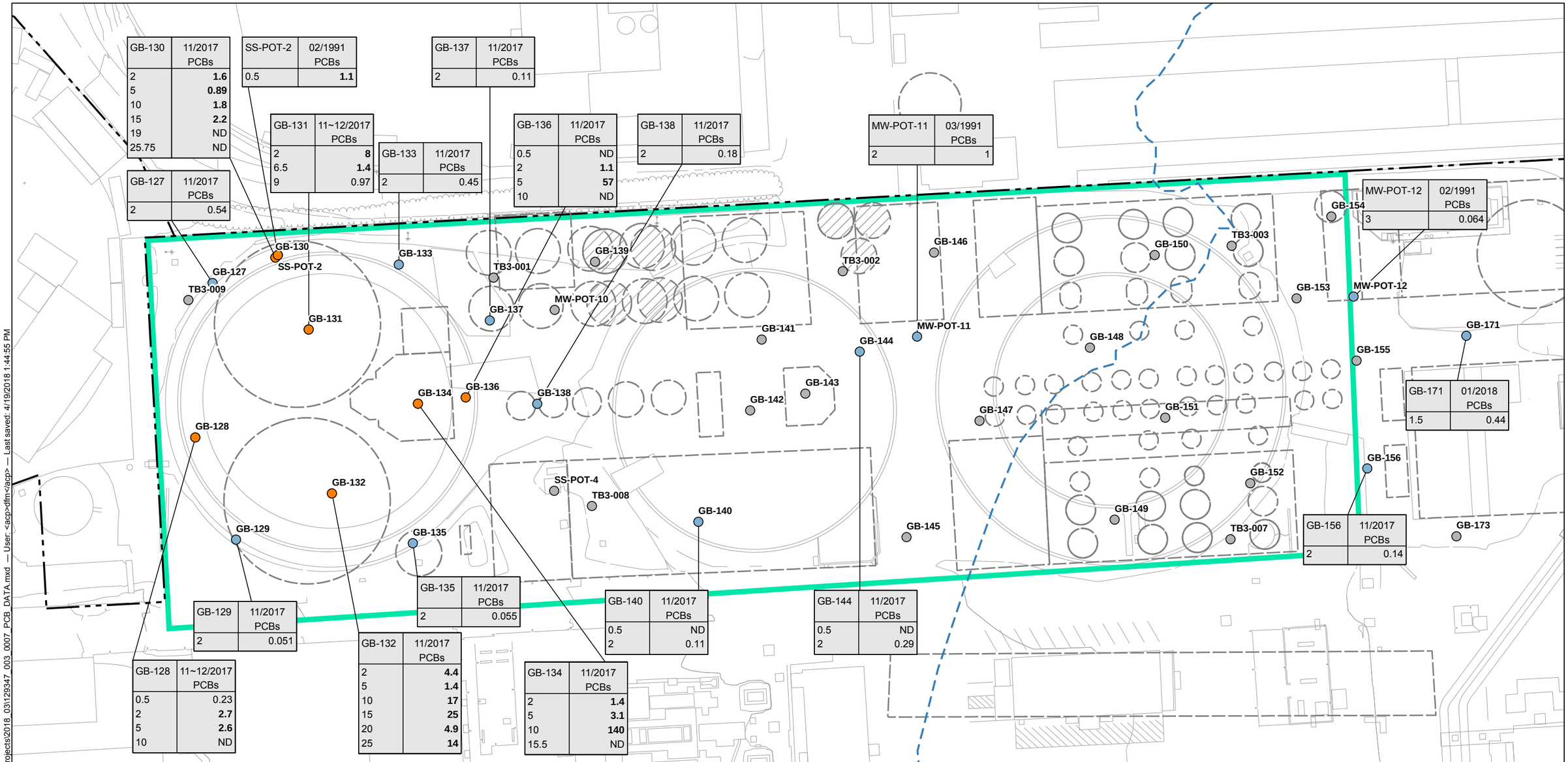
Figure 7 of the Tank Farm Area Investigation Report (H&A, 2018)
1963 Aerial Photograph of Potrero Power Plant Area
1968 Aerial Photograph of Potrero Power Plant Area
1974 Aerial Photograph of Potrero Power Plant Area

References:

Haley & Aldrich, Inc. 2018. Tank Farm Area Investigation Report, Potrero Power Plant Site, San Francisco, California. July.

cc (via email):

Rob Saur, Pacific Gas and Electric Company
Anne Conner, Pacific Gas and Electric Company
Mark Johnson, Water Board



LEGEND

- PCBs DETECTED ABOVE SCREENING LEVEL
- PCBs DETECTED BELOW SCREENING LEVEL
- PCBs NOT DETECTED
- APPROXIMATE 1851 SHORELINE
- PROPERTY BOUNDARY LINE
- HISTORICAL FEATURE
- TANK FARM AREA

LOCATION IDENTIFIER — SAMPLING DATE

GB-136	11/2017 PCBs
0.5	ND
2	**1.1**
5	**57**
10	ND

DEPTH IN FEET BELOW GROUND SURFACE* — SUM OF PCBs CONCENTRATION IN mg/kg (BOLD WHERE ABOVE AT LEAST ONE SCREENING LEVEL)

1. 2017 AND 2018 POLYCHLORINATED BIPHENYLS (PCBS) ANALYZED BY EPA METHOD 8082
2. * = SAMPLE DEPTHS DO NOT INCLUDE CRUSHED CONCRETE SURFACE LAYER PLACED IN 2017 FROM TANK DEMOLITION ON EASTERN SIDE OF SITE

SCREENING LEVELS FOR SOIL

	Construction Worker Screening Level [1] (mg/kg)	Commercial/ Industrial Screening Level [2] (mg/kg)
Aroclor-1260 (PCB-1260)	5.6	1.0

1. ENVIRONMENTAL SCREENING LEVELS (ESLs), TABLE S-1: DIRECT EXPOSURE SOIL SCREENING LEVELS, COMMERCIAL/INDUSTRIAL WORKER EXPOSURE SCENARIO, MOST STRINGENT (WATER BOARD, FEBURARY 2016).
2. ENVIRONMENTAL SCREENING LEVELS (ESLs), TABLE S-1: DIRECT EXPOSURE SOIL SCREENING LEVELS, CONSTRUCTION WORKER EXPOSURE SCENARIO, MOST STRINGENT (WATER BOARD, FEBURARY 2016).
3. PCBs DETECTED ARE AROCLOR-1260 EXCEPT AT THE SAMPLE COLLECTED FROM GB-128 AT 0.5 ft BGS WHICH WAS AROCLOR - 1242 AND MW-POT-12 AT 3.0 ft BGS WHICH WAS AROCLOR-1254.

NOTES:
1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. BASE MAP SOURCE: RJL & ASSOCIATE, 2015
3. APPROXIMATE LIMITS OF HISTORICAL STRUCTURES DERIVED FROM SANBORN FIRE INSURANCE MAPS (1887, 1900, AND 1914) AND PACIFIC GAS AND ELECTRIC MAPS (1926).
4. APPROXIMATE LOCATION OF HISTORICAL SHORELINE DERIVED FROM US COAST SURVEY (1855).
5. GB-100 SERIES LOCATIONS ARE BASED ON SURVEY BY KISTER, SAVIO AND REI, INC. DATE 1/23/2018
6. mg/kg = MILLIGRAMS PER KILOGRAM
7. - = NOT ANALYZED OR NOT APPLICABLE
8. ND = NOT DETECTED

N

0 60 120
SCALE IN FEET

HALEY ALDRICH

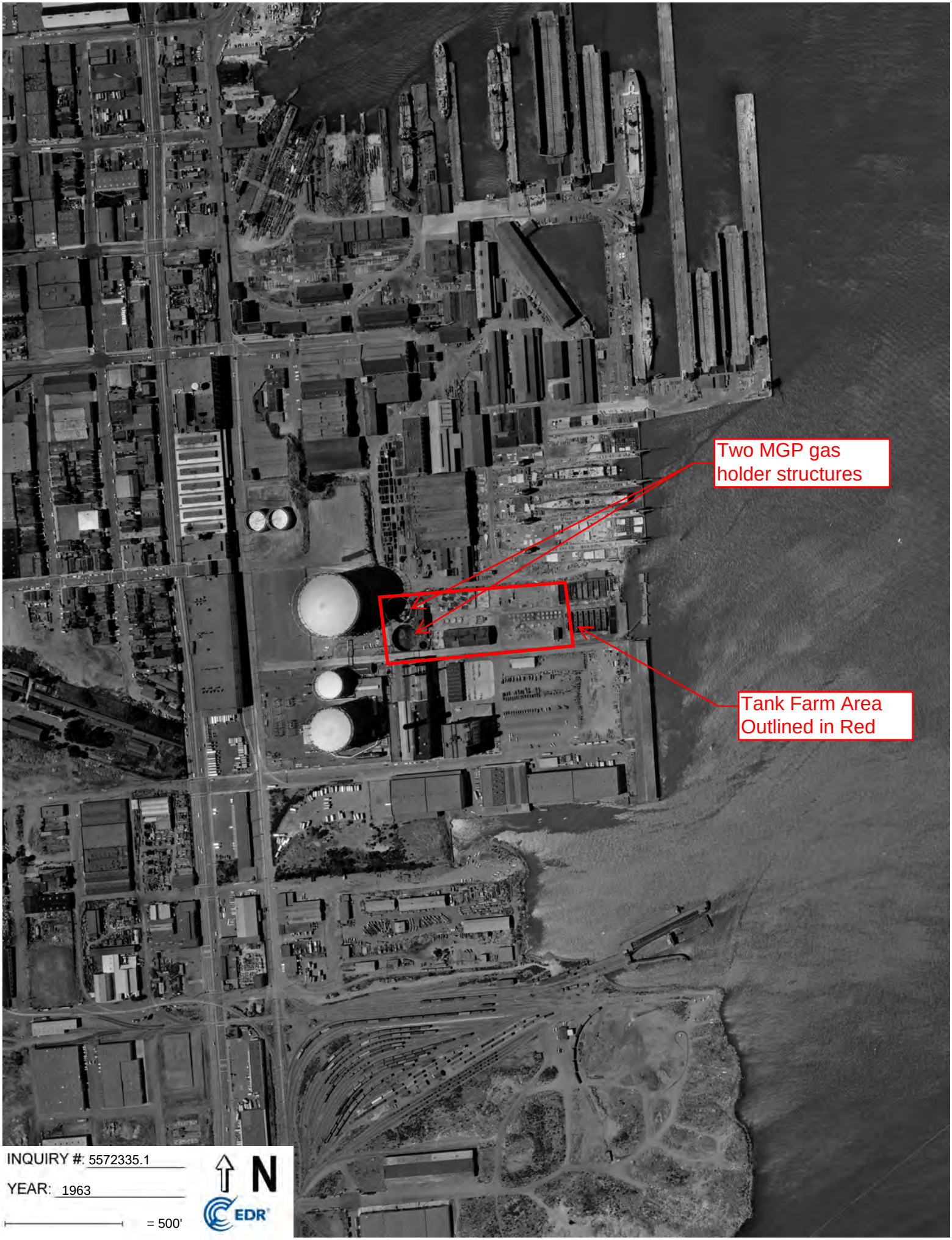
PACIFIC GAS AND ELECTRIC COMPANY (PG&E)
TANK FARM AREA
POTRERO POWER PLANT
SAN FRANCISCO, CALIFORNIA

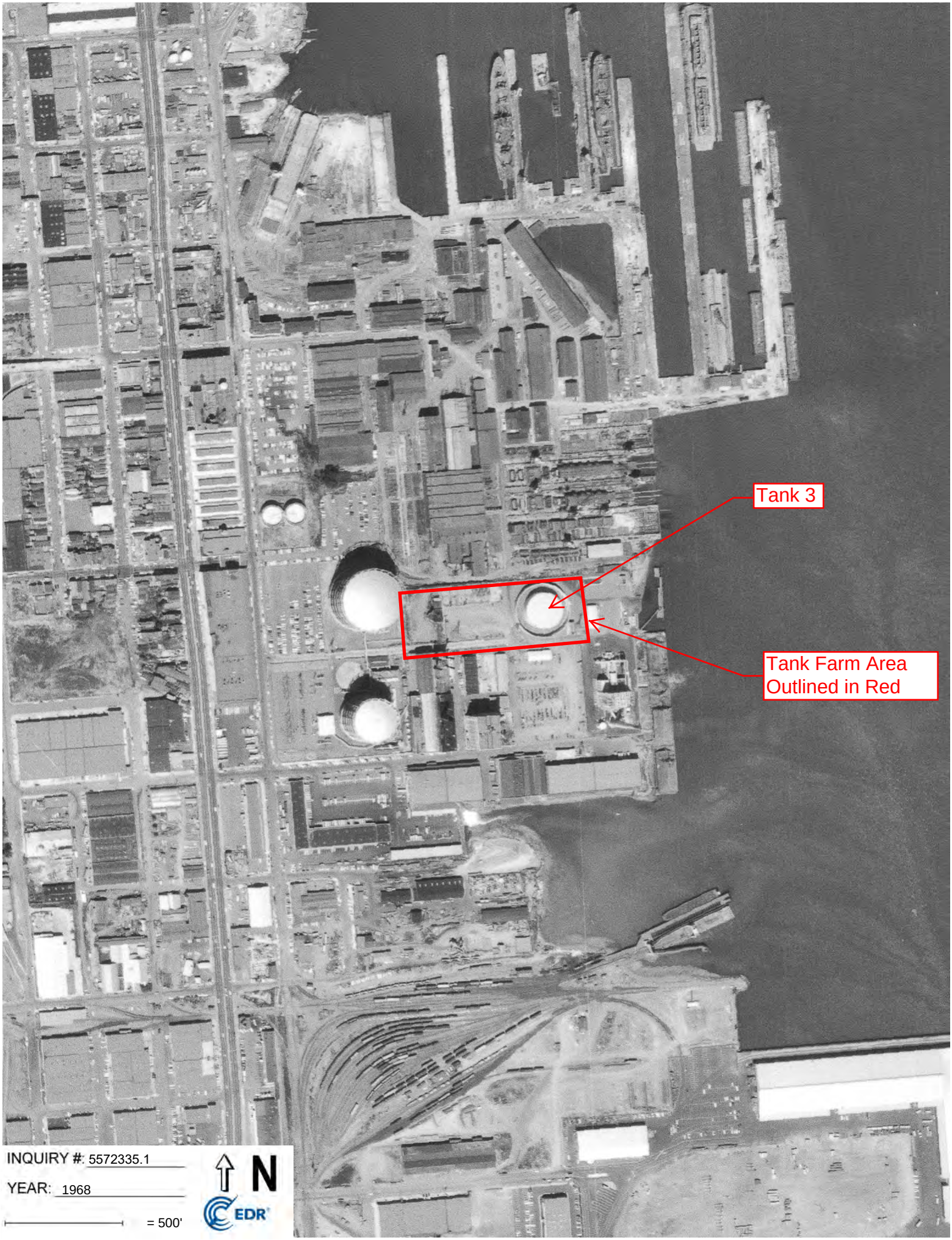
SOIL ANALYTICAL SUMMARY - PCBS

APRIL 2018

FIGURE 7

GIS file path: G:\42542 PG&E Potrero Unit 3\Global\GIS\MapProjects\2018_03\129347_003_0007_PCB_DATA.mxd — User: <acp>dfm</acp> — Last saved: 4/19/2018 1:44:55 PM


Two MGP gas holder structures
Tank Farm Area Outlined in Red
INQUIRY #: 5572335.1
YEAR: 1963
= 500'
N
EDR


Tank 3
Tank Farm Area
Outlined in Red
INQUIRY #: 5572335.1
YEAR: 1968
= 500'
N
EDR

Tank 4
Tank 3
Tank Farm Area
Outlined in Red
INQUIRY #: 5572335.1
YEAR: 1974
= 500'
N
EDR

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June 24, 2020

Ms. Sara Ziff
U.S. Environmental Protection Agency, Region 9
75 Hawthorne Street
Mail Code: LND-4-1
San Francisco, California 94105

RE: Discussion on Source of PCBs in on-Site Fill
Applicability of PCB-Containing Fill to TSCA Requirements
Tank Farm Area, Potrero Power Plant Site
1201 Illinois Street
San Francisco, California

Dear Ms. Ziff:

On behalf of Pacific Gas and Electric Company (PG&E), this letter is being submitted as a follow-up to your email dated March 27, 2019, regarding the applicability of the Toxic Substances Control Act (TSCA) requirements to polychlorinated biphenyls (PCBs) in fill material at the Tank Farm Area of the Potrero Power Plant Site in San Francisco, California. Based on your review of our letter titled "*Applicability of PCB-Containing Fill to TSCA Requirements*" submitted to you on March 25, 2019, you requested that we provide our evidence that there is no possibility that the aboveground storage tanks (ASTs) could have released PCBs within fuel oil into the underlying fill soil after the ASTs were constructed and after TSCA became law in 1976. You suggested that PCBs may have been present in a coating inside the ASTs and could have been a component of fuel oil later released from the ASTs.

During the removal of the ASTs in 2017, field observations revealed that the tank bottom plates were laid on top of an asphalt pad which was placed on top of a compacted soil base. No lining or evidence of other forms of coating was observed inside the tanks. Additionally, the findings from multiple lines of evidence presented herein indicate that PCBs were present in fill material imported to the Tank Farm Area prior to the construction of the ASTs and that field observations and laboratory data do not support the suggestion that PCBs may have originated from a lining in the ASTs. As such, tank linings or coatings that may have contained PCBs do not appear to have existed and therefore, the presence of PCBs in fill material at the Tank Farm Area are exempt from TSCA requirements because they were present onsite before the tanks were constructed and before TSCA became law in 1976.

BACKGROUND

From 1872 and 1930, a manufactured gas plant (MGP) operated within and east of the Tank Farm Area site boundary. The MGP was placed on standby upon arrival of natural gas in the area in 1930, and MGP facilities were dismantled in the early 1960s. MGP dismantling activities included the removal of aboveground structures and filling resulting cavities, including the foundation of two approximately 28-foot-deep gas holder foundations. Three ASTs (designated as Tanks 4, 5 and 3

[from west to east]) were installed at grade between 1965 and 1976 to provide fuel for Potrero Power Plant facilities, and the three ASTs were dismantled in 2017.

In late 2017 and early 2018, a remedial investigation was conducted at the Tank Farm Area (Haley & Aldrich [H&A], 2018). As part of the investigation, a total of 56 soil samples were collected from the Tank Farm Area and analyzed for total PCBs. As shown on Figure 7 of the investigation report (H&A, 2018; see attached Figure 7), PCBs in soil were detected at concentrations ranging from 1 to 140 milligrams per kilogram [mg/kg] in fill material on the western side of the Tank Farm Area within the footprints of two former 28-foot-deep gas holder foundations and the former Tank 4 structure, at depths ranging from 0.5 to 25 feet below ground surface (bgs).

In March 2019, historical aerial photographs from the 1960s and 1970s were reviewed to assess when the PCB-containing fill was placed onsite, considering that the majority of the fill containing PCBs was placed in the location of two in-ground gas holders after the gasholders were dismantled (Terra Pacific Group [TPG], 2019). Results of the historical aerial photograph review confirmed that the fill materials had been placed by 1968, several years prior to the enactment of TSCA regulations in 1976.

SUMMARY OF CHEMICAL DISTRIBUTION IN SOIL

The extent of chemicals in subsurface soils beneath the Tank Farm Area has been well characterized over the course of multiple subsurface investigations (H&A, 2018). The presence of chemicals in subsurface soils across the investigation area can be attributed to former MGP operations, former fuel storage, and historical filling events in the area. Site chemicals of potential concern (COPCs) with concentrations that exceed one or more of their screening levels established for the Tank Farm Area Investigation include volatile organic compounds (VOCs), polycyclic aromatic hydrocarbons (PAHs), total petroleum hydrocarbons quantified as diesel and motor oil (TPHd and TPHmo, respectively), select metals, PCBs (including Aroclor 1260), and cyanide. A comprehensive discussion of the extent and source of soil impacts is presented in the Tank Farm Area Investigation Report (H&A, 2018).

In order to assess the possibility of PCB-containing fuel oil being released from the onsite ASTs (specifically Tank 4 [western]) and impacting subsurface soils, the distribution of PCBs and TPHd/TPHmo are discussed further. Table 1 (see attached) from the Tank Farm Area Investigation Report (H&A, 2018) presents the concentrations of PCBs from soil samples collected during the 2017 investigation as well as previous investigations, and total PCB concentrations are depicted on Figure 7. Aroclor 1260 was the predominant type of PCB detected at the Site. PCBs were detected in 31 soil samples collected within the Tank Farm Area. PCBs were detected above either the Commercial/Industrial Screening Level (1.0 mg/kg) in 19 of the 31 samples, all of which were collected in and around the location of former Tank 4. Where detected above the Commercial/Industrial Screening Level, PCB concentrations were generally higher in deeper subsurface soils than near-surface soils. The maximum PCB concentration detected in shallow soil samples (i.e., 0.5 to 2 feet bgs) was 8 mg/kg at boring GB-131 (see Figure 7). Soil samples with

PCB detections at concentrations at or exceeding 25 mg/kg were collected from borings GB-132, GB-134 and GB-136 at depths greater than 5 feet bgs, with a maximum concentration of 140 mg/kg detected at 10 feet bgs from GB-134.

Table 1 (H&A, 2018) also presents the concentrations of TPHd and TPHmo from soil samples collected during the 2017 investigation. TPHd was detected above the Construction Worker Screening Level (880 mg/kg) in 60 soil samples, and TPHmo was detected above the Construction Worker Screening Level (32,000 mg/kg) in 8 soil samples. The highest concentrations of TPHd are associated with visible impacts, although concentrations above its screening level are present at a wide range of locations and depth intervals, regardless of visible impacts.

EVALUATION OF AST RELEASE BEING SOURCE OF PCBS IN SOIL

Although tank linings or coatings that may have contained PCBs do not appear to have existed, as observed during the removal of the ASTs in 2017, boring logs and laboratory analytical results for subsurface soil samples were also evaluated to assess the possibility that PCBs present in subsurface soils at the Tank Farm Area are associated with a release from onsite ASTs. Based on the multiple lines of evidence summarized below, the results of the evaluation further support the conclusion that PCBs detected in soil at concentrations above 1 mg/kg in the vicinity of Tank 4 are associated with the import of PCB-impacted fill material prior to 1976 and not associated with past releases from Tank 4 (or any of the ASTs).

- **Observed impacts beneath AST foundations do not show evidence of significant fuel releases:** Boring logs for borings located within and immediately adjacent to the three former onsite ASTs were reviewed to assess whether visual impacts of shallow soils (i.e., upper 5 feet below AST foundation elevation) indicated that a past release of fuel oils from the ASTs had occurred. Based on the review of these boring logs, no evidence suggesting a surface release of fuel oil was observed. For borings within or immediately adjacent to the former onsite ASTs, neither non-aqueous phase liquids (NAPLs), strong petroleum odors nor elevated photoionization detector (PID) readings (i.e., above 100 parts per million) were recorded within the upper 5 feet below the AST foundation pads. This evaluation included the review of boring logs associated with the Tank 4 (i.e., GB-127 through GB-137). In addition, evidence of significant petroleum impacts was also not observed in soil samples with the highest concentrations of PCBs (i.e., from borings GB-131, GB-132, GB-134 and GB-136). If PCB-impacted fuels leaked from the ASTs, it would be expected that significant evidence of fuel leaks would be observed beneath the footprint of the ASTs. Because field observations indicate that significant fuel leakage from the ASTs did not occur, these observations do not support the suggestion that PCB-impacted fuel was the transport mechanism for the observed PCB concentrations in soil.

- **TPH concentrations in soil beneath AST foundations do not show evidence of significant fuel releases:** TPHd/TPHmo concentrations in soil samples collected in the upper 5 feet bgs beneath or in the immediate vicinity of the AST foundations were generally

low and not indicative of a significant release of fuel oil from the ASTs. In the vicinity of Tank 4 where elevated PCB concentrations were found in soil, TPHd concentrations were less than about 3,000 mg/kg in the upper 5 feet bgs, and typically well below 1,000 mg/kg.

- **The distribution of PCBs and TPH in soil indicates that these compounds did not share a similar transport mechanism:** If the source of PCBs detected in fill material originated from the lining of the ASTs, the PCBs would need to be dissolved or mixed into the fuel within the ASTs and subsequently transported with the fuel to their present locations. As such, it would be expected that there would be a correlation between the concentration of PCBs and TPHs in the subsurface soils, i.e. higher concentrations of PCBs detected where higher concentrations of TPH are observed. This correlation was not observed during the investigations conducted at the Site. As stated above, the highest concentration of PCBs was detected in boring GB-134 at a depth of 10 feet bgs (140 mg/kg). At this same depth, the concentration of TPHd/TPHmo were only 670/1,000 mg/kg, respectively. In the same boring the highest TPH concentrations were observed much shallower at a depth of 2 feet bgs, (TPHd/TPHmo concentrations were 1,900/2,400 mg/kg), whereas the concentration of PCBs was only 1.4 mg/kg (10 times lower). Overall, inspection of soil samples with both TPH and PCB analyses indicates that the highest concentrations of PCBs and TPH are not co-located and therefore do not share a common transport mechanism. As such, the analytical data does not support the suggestion that the PCBs originated in the lining of the ASTs.

- **Vertical distribution of PCBs and TPH in soil supports mechanical placement as opposed to transport from surface:** The vertical distribution of chemicals in soil typically decreases with depth or further from the source. However, neither PCBs nor TPHd/TPHmo generally demonstrate this distribution pattern, particularly at the boring locations where the highest PCB detections were recorded (i.e., GB-132, BG-134 and GB-136) and where PCB concentrations generally increased with depth. Also, in soil from some borings (e.g., GB-132), PCB and TPH concentrations appear to vary with depth, not having concentration trends that increase or decrease, which would be expected if the source of impacts were related to mechanical placement of impacted fill material.

- **Limited mobility of PCBs in subsurface supports impacted fill placement:** Typically, PCBs have very low mobility in soils and do not tend to migrate significant distances in soil unless there is a facilitating mechanism present (e.g., mechanical displacement, entrainment in NAPL or other solvent). In the vicinity of Tank 4, PCBs (at up to 140 mg/kg) have been transported to a depth up to 25 feet bgs (e.g., borings GB-132 and GB-134). The lack of observed NAPL in the vicinity of Tank 4 suggests that fuel oil from Tank 4 did not play a significant role in the mobilization of PCBs and their subsequent transport to this depth. The distribution of PCBs in subsurface soil can most reasonably be explained by mechanical placement, with PCBs being present in imported fill material prior to the construction of Tank 4.

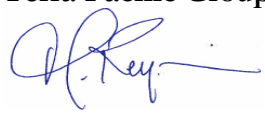
CONCLUSIONS

Based on the known development history of the Tank Farm Area, 2017 AST observations that confirm the absence of tank linings or coatings that could have contained PCBs, and a review of boring logs and laboratory analytical results for soil samples, it can be concluded based on multiple lines of evidence presented herein that the presence of PCBs in onsite soils is not reasonably associated with releases of fuel oil from onsite ASTs, but rather was present in imported fill material placed prior to 1976, prior to the construction of the former ASTs.

We request your concurrence that PCB-containing fill at the Tank Farm Area is suitable for mitigation under Water Board oversight and that PCBs detected in soil at the Site are exempt from TSCA requirements.

If you have any questions or comments, please do not hesitate to contact the undersigned at (949) 637-0118 or Rob Saur at (925) 415-6371.

Respectfully submitted,
Terra Pacific Group Incorporated



Max Reyhani, PE
Principal-In-Charge

Attachments:

Figure 7 (Tank Farm Area Investigation Report; H&A, 2018)
Table 1 Summary of Soil Analytical Results (Appendix A of Tank Farm Area Investigation Report; H&A, 2018)

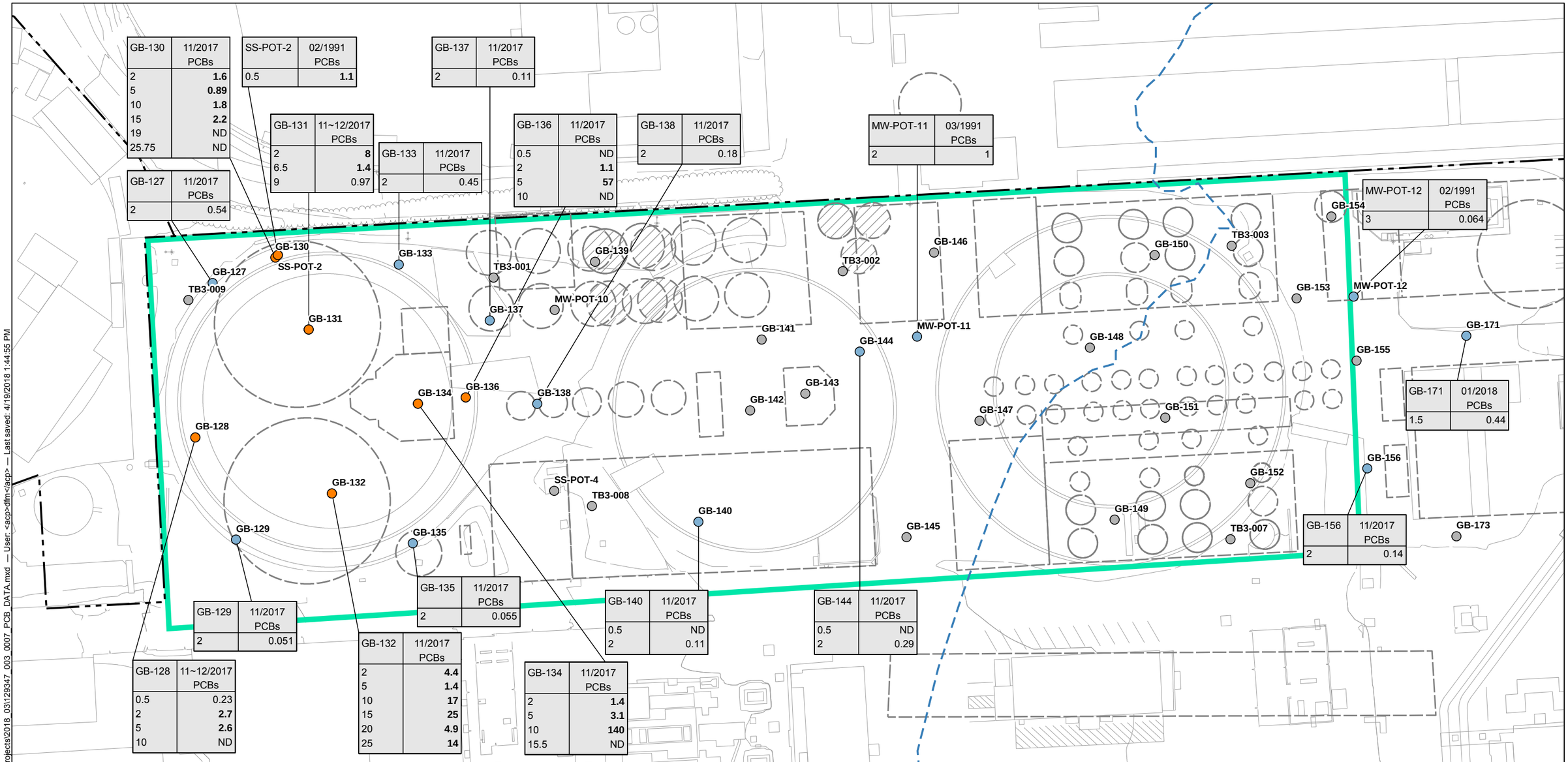
References:

Haley & Aldrich, Inc. (H&A). 2018. Tank Farm Area Investigation Report, Potrero Power Plant Site, San Francisco, California. July.

Terra Pacific Group (TPG). 2019. Letter from Richard McCartney/Max Reyhani (TPG) to Sara Ziff (USEPA) regarding the applicability of PCB-containing fill to TSCA requirements. March 25.

cc (via email):

Rob Saur, Pacific Gas and Electric Company
Mark Johnson, Water Board



LEGEND

- PCBs DETECTED ABOVE SCREENING LEVEL
- PCBs DETECTED BELOW SCREENING LEVEL
- PCBs NOT DETECTED
- APPROXIMATE 1851 SHORELINE
- PROPERTY BOUNDARY LINE
- HISTORICAL FEATURE
- TANK FARM AREA

LOCATION IDENTIFIER — SAMPLING DATE

GB-136	11/2017 PCBs
0.5	ND
2	**1.1**
5	**57**
10	ND

DEPTH IN FEET BELOW GROUND SURFACE* — SUM OF PCBs CONCENTRATION IN mg/kg (BOLD WHERE ABOVE AT LEAST ONE SCREENING LEVEL)

1. 2017 AND 2018 POLYCHLORINATED BIPHENYLS (PCBS) ANALYZED BY EPA METHOD 8082
2. * = SAMPLE DEPTHS DO NOT INCLUDE CRUSHED CONCRETE SURFACE LAYER PLACED IN 2017 FROM TANK DEMOLITION ON EASTERN SIDE OF SITE

SCREENING LEVELS FOR SOIL

	Construction Worker Screening Level [1] (mg/kg)	Commercial/ Industrial Screening Level [2] (mg/kg)
Aroclor-1260 (PCB-1260)	5.6	1.0

1. ENVIRONMENTAL SCREENING LEVELS (ESLs), TABLE S-1: DIRECT EXPOSURE SOIL SCREENING LEVELS, COMMERCIAL/INDUSTRIAL WORKER EXPOSURE SCENARIO, MOST STRINGENT (WATER BOARD, FEBURARY 2016).
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NOTES:
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2. BASE MAP SOURCE: RJL & ASSOCIATE, 2015
3. APPROXIMATE LIMITS OF HISTORICAL STRUCTURES DERIVED FROM SANBORN FIRE INSURANCE MAPS (1887, 1900, AND 1914) AND PACIFIC GAS AND ELECTRIC MAPS (1926).
4. APPROXIMATE LOCATION OF HISTORICAL SHORELINE DERIVED FROM US COAST SURVEY (1855).
5. GB-100 SERIES LOCATIONS ARE BASED ON SURVEY BY KISTER, SAVIO AND REI, INC. DATE 1/23/2018
6. mg/kg = MILLIGRAMS PER KILOGRAM
7. - = NOT ANALYZED OR NOT APPLICABLE
8. ND = NOT DETECTED

N

0 60 120
SCALE IN FEET

HALEY ALDRICH

PACIFIC GAS AND ELECTRIC COMPANY (PG&E)
TANK FARM AREA
POTRERO POWER PLANT
SAN FRANCISCO, CALIFORNIA

SOIL ANALYTICAL SUMMARY - PCBS

APRIL 2018

FIGURE 7

GIS file path: G:\42542 PG&E Potrero Unit 3\Global\GIS\MapProjects\2018_03\129347_003_0007_PCB_DATA.mxd — User: <acp>dfm</acp> — Last saved: 4/19/2018 1:44:55 PM

TABLE 1
SUMMARY OF SOIL ANALYTICAL RESULTS
POTRERO POWER PLANT TANK FARM
SAN FRANCISCO, CALIFORNIA

		Location ID	GB-127	GB-127	GB-128	GB-128	GB-128	GB-128	GB-129	GB-129	GB-129	GB-129	GB-129
		Sample ID	GB-127-2.0	GB-127-6.0	GB-128-0.5	GB-128-2.0	GB-128-5.0	GB-128-10.0	GB-129-2.0	GB-129-5.0	GB-129-9.25	GB-129-18.75	GB-129-22.5
		Sample Date	11/13/2017	12/07/2017	11/13/2017	11/13/2017	12/06/2017	12/07/2017	11/08/2017	11/20/2017	11/20/2017	11/20/2017	11/20/2017
		Sample Depth (feet bgs)	2.0	6.0	0.5	2.0	5.0	10.0	2.0	5.0	9.25	18.75	22.5
		Sample Type	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary
Analyte	**Construction Worker Screening Level[1]**	**Commercial/Industrial Screening Level[2]**											
Metals (mg/kg)													
Antimony	140	470	< 0.739 J	< 0.758 R	--	< 0.739 J	< 0.746 R	< 0.714 R	< 0.739 J	< 0.728 R	< 0.725 R	< 0.732 R	< 0.714 R
Arsenic	12[3]	12[3]	**5.51**	**3.6**	--	**5.65**	**10.1**	**2.78**	**5.22**	**4.38**	**6.5**	**3.76**	**7.47**
Barium	3,000	220,000	**65.7**	**4.04**	--	**193**	**210**	**2.39**	**99.2**	**27.6**	**98.9**	**78.5**	**82.6**
Beryllium	42	2,200	< 0.246	< 0.253	--	**0.289**	**0.377**	< 0.238	< 0.246	< 0.243	< 0.242	< 0.244	< 0.238
Cadmium	43	580	**0.514**	< 0.505	--	**0.597**	**1.06**	< 0.476	**0.496**	< 0.485	< 0.483	< 0.488	< 0.476
Chromium	530,000	1,800,000	**626**	**1,200**	--	**219**	**505**	**889**	**420 J**	**253**	**381**	**352**	**248**
Cobalt	28	350	**56.4**	**74.2 J**	--	**27.2**	**50.8 J**	**87.1 J**	**35.6**	**74.4**	**49.7**	**50.9**	**24.6**
Copper	14,000	47,000	**15.2**	**6.08 J**	--	**71.4**	**117 J**	**10.9 J**	**46.8**	**6.5**	**43.1**	**44.1**	**95.2**
Lead	160	320	**321**	**7.44 J**	**19**	**124**	**280 J**	**0.805 J**	**220**	**15.2**	**77.3**	**71.8**	**110**
Mercury	44	190	**0.165**	< 0.0820	--	**1.16**	**2.14**	< 0.0794	**0.44**	< 0.0806	**0.119**	**0.138**	**1.08**
Molybdenum	1,800	5,800	< 0.246	< 0.253	--	< 0.246	**1.15**	< 0.238	< 0.246	< 0.243	< 0.242	< 0.244	**0.98**
Nickel	86	11,000	**1,260**	**1,520**	--	**428**	**853**	**1,750**	**677**	**1,700**	**837**	**837**	**387**
Selenium	1,700	5,800	< 0.739	< 0.758	--	< 0.739	< 0.746	< 0.714	< 0.739	< 0.728	< 0.725	< 0.732	< 0.714
Silver	1,800	5,800	< 0.246	< 0.253	--	< 0.246	< 0.249	< 0.238	< 0.246	< 0.243	< 0.242	< 0.244	**0.269**
Thallium	3.5	12	**1.25**	**1.87**	--	< 0.739	**1.26**	**1.94**	< 0.739	**1.52**	**1.38**	**0.956**	**0.966**
Vanadium	470	5,800	**25.1**	**25.5**	--	**41.9**	**69.8**	**21.3**	**34.6**	**5.58**	**39.4**	**42.3**	**32.8**
Zinc	110,000	350,000	**142**	**18.7**	--	**418**	**196**	**11.9**	**96.3**	**35.2**	**51.1**	**72.1**	**80.7**
Polychlorinated Biphenyls (mg/kg)													
Aroclor-1016 (PCB-1016)	5.6	1.0	< 0.049	--	< 0.050	< 0.49	< 0.50	< 0.050	< 0.050	--	--	--	--
Aroclor-1221 (PCB-1221)	5.6	1.0	< 0.049	--	< 0.050	< 0.49	< 0.50	< 0.050	< 0.050	--	--	--	--
Aroclor-1232 (PCB-1232)	5.6	1.0	< 0.049	--	< 0.050	< 0.49	< 0.50	< 0.050	< 0.050	--	--	--	--
Aroclor-1242 (PCB-1242)	5.6	1.0	< 0.049	--	**0.23**	< 0.49	< 0.50	< 0.050	< 0.050	--	--	--	--
Aroclor-1248 (PCB-1248)	5.6	1.0	< 0.049	--	< 0.050	< 0.49	< 0.50	< 0.050	< 0.050	--	--	--	--
Aroclor-1254 (PCB-1254)	5.6	1.0	< 0.049	--	< 0.050	< 0.49	< 0.50	< 0.050	< 0.050	--	--	--	--
Aroclor-1260 (PCB-1260)	5.6	1.0	**0.54**	--	< 0.050	**2.7**	**2.6**	< 0.050	**0.051**	--	--	--	--
Aroclor-1262 (PCB-1262)	5.6	1.0	< 0.049	--	< 0.050	< 0.49	< 0.50	< 0.050	< 0.050	--	--	--	--
Aroclor-1268 (PCB-1268)	5.6	1.0	< 0.049	--	< 0.050	< 0.49	< 0.50	< 0.050	< 0.050	--	--	--	--
Semi-Volatile Organic Compounds (mg/kg)													
1-Methylnaphthalene	--	--	**0.32**	**0.018**	--	**2.3**	**5.8**	**0.013**	< 0.099	< 0.099	< 0.99	< 0.098	< 0.10
2,4,6-Trichlorophenol	350	47	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	1,100	3,500	--	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	7,100	23,000	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	710	2,300	--	--	--	--	--	--	--	--	--	--	--
2,6-Dichlorophenol	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	1,800	5,800	--	--	--	--	--	--	--	--	--	--	--
2-Methylnaphthalene	670	3,000	**0.35**	**0.011**	--	**1.7**	**4.8**	**0.018**	< 0.099	< 0.099	< 0.99	< 0.098	< 0.10
2-Methylphenol (o-Cresol)	--	41,000[4]	--	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	--	--	--	--	--	--	--	--	--	--	--	--	--
3&4-Methylphenol	--	--	--	--	--	--	--	--	--	--	--	--	--
3/4-Methylphenols (p/m-Cresol) A	--	41,000[4]	--	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	--	66[4]	--	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	--	--	--	--	--	--	--	--	--	--	--	--	--
Acenaphthene	10,000	45,000	**0.53**	**0.13**	--	**8.5**	**24**	**0.035**	< 0.099	< 0.099	< 0.99	**0.32**	< 0.10
Acenaphthylene	--	45,000[4]	**2.9**	**0.059**	--	**6.3**	**18**	**0.017**	**0.27**	< 0.099	**1.7**	**0.38**	< 0.10
Anthracene	50,000	230,000	**6.8**	**0.11**	--	**8.5**	**16**	**0.032**	**0.46**	< 0.099	**2.4**	**0.16**	**0.26**
Benzo(a)anthracene	16	2.9	**19**	**0.13**	--	**14**	**18**	**0.026**	**1.2**	**0.22**	**5.8**	**0.72**	**0.74**
Benzo(a)pyrene	1.6	0.29	**20**	**0.2**	--	**23**	**43**	**0.045**	**1.2**	**0.24**	**8.1**	**1**	**1.1**
Benzo(A)Pyrene Equivalent (1/2 RL substituted for ND)	0.9[5]	0.9[5]	**28.98**	**0.27**	--	**31.85**	**54.02**	**0.06**	**1.72**	**0.34**	**10.68**	**1.4**	**1.47**
Benzo(b)fluoranthene	16	2.9	**14**	**0.15**	--	**15**	**27**	**0.026**	**0.78**	**0.15**	**5.2**	**0.72**	**0.75**
Benzo(g,h,i)perylene	10,000[6]	45,000[6]	**16**	**0.2**	--	**28**	**43**	**0.036**	**1.3**	**0.15**	**5.2**	**0.92**	**1.2**
Benzo(k)fluoranthene	150	29	**16**	**0.1**	--	**13**	**19**	**0.028**	**0.96**	**0.19**	**5.7**	**0.77**	**0.67**
Chrysene	1,500	260	**21**	**0.18**	--	**16**	**26**	**0.038**	**1.4**	**0.22**	**6.4**	**0.78**	**0.79**
Dibenz(a,h)anthracene	1.6	0.29	**4.3**	**0.026**	--	**4.2**	**3.4**	< 0.0099	**0.22**	< 0.099	**1**	**0.18**	**0.13**
Fluoranthene	6,700	30,000	**43**	**0.66**	--	**86**	**140**	**0.15**	**2.1**	**0.4**	**18**	**1.2**	**1.8**
Fluorene	6,700	30,000	**2.3**	**0.055**	--	**4.3**	**8**	**0.03**	**0.23**	< 0.099	< 0.99	**0.23**	< 0.10
Indeno(1,2,3-cd)pyrene	16	2.9	**12**	**0.13**	--	**16**	**29**	**0.028**	**0.86**	**0.12**	**4.2**	**0.7**	**0.82**
Naphthalene	350	14	**1.2**	**0.088**	--	**4.6**	**23**	**0.095**	**0.1**	< 0.099	< 0.99	**0.45**	**0.12**
Pentachlorophenol	20	4	--	--	--	--	--	--	--	--	--	--	--
Phenanthrene	6,700[6]	30,000[6]	**44**	**0.81**	--	**89**	**180**	**0.27**	**2.5**	**0.19**	**14**	**0.67**	**0.72**
Phenol	98,000	350,000	--	--	--	--	--	--	--	--	--	--	--
Pyrene	5,000	23,000	**95**	**0.82**	--	**110**	**180**	**0.16**	**3.6**	**0.53**	**22**	**1.8**	**2.5**

TABLE 1
SUMMARY OF SOIL ANALYTICAL RESULTS
POTRERO POWER PLANT TANK FARM
SAN FRANCISCO, CALIFORNIA

		Location ID	GB-127	GB-127	GB-128	GB-128	GB-128	GB-128	GB-129	GB-129	GB-129	GB-129	GB-129
		Sample ID	GB-127-2.0	GB-127-6.0	GB-128-0.5	GB-128-2.0	GB-128-5.0	GB-128-10.0	GB-129-2.0	GB-129-5.0	GB-129-9.25	GB-129-18.75	GB-129-22.5
		Sample Date	11/13/2017	12/07/2017	11/13/2017	11/13/2017	12/06/2017	12/07/2017	11/08/2017	11/20/2017	11/20/2017	11/20/2017	11/20/2017
		Sample Depth (feet bgs)	2.0	6.0	0.5	2.0	5.0	10.0	2.0	5.0	9.25	18.75	22.5
		Sample Type	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary
Analyte	**Construction Worker Screening Level[1]**	**Commercial/Industrial Screening Level[2]**											
Total Petroleum Hydrocarbons (mg/kg)													
Diesel Range Organics	880	1,100	**310**	**55**	--	**700**	**3,100**	< 5.0	**760**	**18**	**86**	**7.4**	**1,100**
Gasoline Range Organics	2,800	3,900	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons (C9-C40)	880	1,100	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons-Motor Oil	32,000	140,000	**430**	**73**	--	**1,100**	**3,800**	< 25	**1,200**	**33**	**140**	< 25	**1,600**
Volatile Organic Compounds (mg/kg)													
1,1,1,2-Tetrachloroethane	340	18	< 0.00084	< 0.00080	--	< 0.00070	< 0.00075	< 0.00087	< 0.00084	< 0.00094	< 0.0013	< 0.00067	< 0.00074
1,1,1-Trichloroethane	8,800	8,900	< 0.00084	< 0.00080	--	< 0.00070	< 0.00075	< 0.00087	< 0.00084	< 0.00094	< 0.0013	< 0.00067	< 0.00074
1,1,2,2-Tetrachloroethane	44	2.3	< 0.0017	< 0.0016	--	< 0.0014	< 0.0015	< 0.0017	< 0.0017	< 0.0019	< 0.0025	< 0.0013	< 0.0015
1,1,2-Trichloroethane	5.2	4.2	< 0.00084	< 0.00080	--	< 0.00070	< 0.00075	< 0.00087	< 0.00084	< 0.00094	< 0.0013	< 0.00067	< 0.00074
1,1-Dichloroethane	390	17	< 0.00084	< 0.00080	--	< 0.00070	< 0.00075	< 0.00087	< 0.00084	< 0.00094	< 0.0013	< 0.00067	< 0.00074
1,1-Dichloroethene	390	400	< 0.00084	< 0.00080	--	< 0.00070	< 0.00075	< 0.00087	< 0.00084	< 0.00094	< 0.0013	< 0.00067	< 0.00074
1,1-Dichloropropane	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	--	--	< 0.0017	< 0.0016	--	< 0.0014	< 0.0015	< 0.0017	< 0.0017	< 0.0019	< 0.0025	< 0.0013	< 0.0015
1,2,3-Trichlorobenzene	--	310[7]	< 0.0017	< 0.0016	--	< 0.0014	< 0.0015	< 0.0017	< 0.0017	< 0.0019	< 0.0025	< 0.0013	< 0.0015
1,2,3-Trichloropropane	--	0.021[7]	< 0.0017	< 0.0016	--	< 0.0014	< 0.0015	< 0.0017	< 0.0017	< 0.0019	< 0.0025	< 0.0013	< 0.0015
1,2,4-Trichlorobenzene	310	110	< 0.0017	< 0.0016	--	< 0.0014	**0.016**	< 0.0017	< 0.0017	< 0.0019	< 0.0025	< 0.0013	< 0.0015
1,2,4-Trimethylbenzene	--	1,800[4]	< 0.0017	< 0.0016	--	< 0.0014	< 0.0015	< 0.0017	< 0.0017	< 0.0019	< 0.0025	< 0.0013	< 0.0015
1,2-Dibromo-3-chloropropane (DBCP)	1.3	0.072	< 0.0042	< 0.0040	--	< 0.0035	< 0.0037	< 0.0043	< 0.0042	< 0.0047	< 0.0063	< 0.0033	< 0.0037
1,2-Dibromoethane (Ethylene Dibromide)	3.2	0.16	< 0.00084	< 0.00080	--	< 0.00070	< 0.00075	< 0.00087	< 0.00084	< 0.00094	< 0.0013	< 0.00067	< 0.00074
1,2-Dichlorobenzene	8,500	11,000	< 0.00084	< 0.00080	--	< 0.00070	< 0.00075	< 0.00087	< 0.00084	< 0.00094	< 0.0013	< 0.00067	< 0.00074
1,2-Dichloroethane	37	1.6	< 0.00084	< 0.00080	--	< 0.00070	< 0.00075	< 0.00087	< 0.00084	< 0.00094	< 0.0013	< 0.00067	< 0.00074
1,2-Dichloropropane	58	3.9	< 0.00084	< 0.00080	--	< 0.00070	< 0.00075	< 0.00087	< 0.00084	< 0.00094	< 0.0013	< 0.00067	< 0.00074
1,3,5-Trimethylbenzene	--	1,500[4]	< 0.0017	< 0.0016	--	< 0.0014	< 0.0015	< 0.0017	< 0.0017	< 0.0019	< 0.0025	< 0.0013	< 0.0015
1,3-Dichlorobenzene	--	--	< 0.00084	< 0.00080	--	< 0.00070	**0.0019**	< 0.00087	< 0.00084	< 0.00094	< 0.0013	< 0.00067	< 0.00074
1,3-Dichloropropane	--	2,200[7]	< 0.00084	< 0.00080	--	< 0.00070	< 0.00075	< 0.00087	< 0.00084	< 0.00094	< 0.0013	< 0.00067	< 0.00074
1,3-Dichloropropene	29	1.2	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	310	13	< 0.00084	< 0.00080	--	< 0.00070	**0.0021**	< 0.00087	< 0.00084	< 0.00094	< 0.0013	< 0.00067	< 0.00074
1-Methylethyl-benzene A	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	--	--	< 0.0042	< 0.0040	--	< 0.0035	< 0.0037	< 0.0043	< 0.0042	< 0.0047	< 0.0063	< 0.0033	< 0.0037
2-Butanone (Methyl Ethyl Ketone)	--	190,000[4]	< 0.017	< 0.016	--	< 0.014	< 0.015	< 0.017	< 0.017	< 0.019	< 0.025	< 0.013	< 0.015
2-Chlorotoluene	--	2,600[7]	< 0.00084	< 0.00080	--	< 0.00070	< 0.00075	< 0.00087	< 0.00084	< 0.00094	< 0.0013	< 0.00067	< 0.00074
2-Hexanone	--	1,300[4]	< 0.017	< 0.016	--	< 0.014	< 0.015	< 0.017	< 0.017	< 0.019	< 0.025	< 0.013	< 0.015
2-Phenylbutane (sec-Butylbenzene)	--	12,000[7]	< 0.00084	< 0.00080	--	< 0.00070	< 0.00075	< 0.00087	< 0.00084	< 0.00094	< 0.0013	< 0.00067	< 0.00074
4-Chlorotoluene	--	2,300[7]	< 0.00084	< 0.00080	--	< 0.00070	< 0.00075	< 0.00087	< 0.00084	< 0.00094	< 0.0013	< 0.00067	< 0.00074
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	--	140,000[4]	< 0.017	< 0.016	--	< 0.014	< 0.015	< 0.017	< 0.017	< 0.019	< 0.025	< 0.013	< 0.015
Acetone	260,000	630,000	< 0.042	< 0.040	--	< 0.035	< 0.037	< 0.043	< 0.042	< 0.047	< 0.063	< 0.033	**0.072**
Benzene	24	1	**0.0032**	< 0.00080	--	< 0.00070	**0.017**	**0.11 J**	< 0.00084	< 0.00094	**0.0015**	**0.00084**	< 0.00074
Bromobenzene	--	1,800[4]	< 0.00084	< 0.00080	--	< 0.00070	< 0.00075	< 0.00087	< 0.00084	< 0.00094	< 0.0013	< 0.00067	< 0.00074
Bromodichloromethane	47	2.3	< 0.00084	< 0.00080	--	< 0.00070	< 0.00075	< 0.00087	< 0.00084	< 0.00094	< 0.0013	< 0.00067	< 0.00074
Bromoform	2,200	300	< 0.0042	< 0.0040	--	< 0.0035	< 0.0037	< 0.0043	< 0.0042	< 0.0047	< 0.0063	< 0.0033	< 0.0037
Bromomethane (Methyl Bromide)	34	36	< 0.017	< 0.016	--	< 0.014	< 0.015	< 0.017	< 0.017	< 0.019	< 0.025	< 0.013	< 0.015
Carbon disulfide	--	3,500[4]	< 0.0084	< 0.0080	--	< 0.0070	< 0.0075	< 0.0087	< 0.0084	< 0.0094	**0.017**	**0.0088**	< 0.0074
Carbon tetrachloride	13	0.54	< 0.00084	< 0.00080	--	< 0.00070	< 0.00075	< 0.00087	< 0.00084	< 0.00094	< 0.0013	< 0.00067	< 0.00074
Chlorobenzene	1,100	1,200	< 0.00084	< 0.00080	--	< 0.00070	< 0.00075	< 0.00087	< 0.00084	< 0.00094	< 0.0013	< 0.00067	< 0.00074
Chlorobromomethane	--	630[4]	< 0.0017	< 0.0016	--	< 0.0014	< 0.0015	< 0.0017	< 0.0017	< 0.0019	< 0.0025	< 0.0013	< 0.0015
Chloroethane	53,000	53,000	< 0.0017	< 0.0016	--	< 0.0014	< 0.0015	< 0.0017	< 0.0017	< 0.0019	< 0.0025	< 0.0013	< 0.0015
Chloroform (Trichloromethane)	32	1.3	< 0.00084	< 0.00080	--	< 0.00070	< 0.00075	< 0.00087	< 0.00084	< 0.00094	< 0.0013	< 0.00067	< 0.00074
Chloromethane (Methyl Chloride)	430	430	< 0.017	< 0.016	--	< 0.014	< 0.015	< 0.017	< 0.017	< 0.019	< 0.025	< 0.013	< 0.015
cis-1,2-Dichloroethene	82	90	< 0.00084	< 0.00080	--	< 0.00070	< 0.00075	< 0.00087	< 0.00084	< 0.00094	< 0.0013	< 0.00067	< 0.00074
cis-1,3-Dichloropropene	--	8.2[4]	< 0.00084	< 0.00080	--	< 0.00070	< 0.00075	< 0.00087	< 0.00084	< 0.00094	< 0.0013	< 0.00067	< 0.00074
Cyclohexanone	--	130,000[4]	< 0.042	< 0.040	--	< 0.035	< 0.037	< 0.043	< 0.042	< 0.047	< 0.063	< 0.033	< 0.037
Cymene (p-Isopropyltoluene)	--	--	< 0.00084	< 0.00080	--	< 0.00070	< 0.00075	< 0.00087	< 0.00084	< 0.00094	< 0.0013	< 0.00067	< 0.00074
Dibromochloromethane	290	39	< 0.0017	< 0.0016	--	< 0.0014	< 0.0015	< 0.0017	< 0.0017	< 0.0019	< 0.0025	< 0.0013	< 0.0015
Dibromomethane	--	99[4]	< 0.00084	< 0.00080	--	< 0.00070	< 0.00075	< 0.00087	< 0.00084	< 0.00094	< 0.0013	< 0.00067	< 0.00074
Dichlorodifluoromethane (CFC-12)	--	370[4]	< 0.0017	< 0.0016	--	< 0.0014	< 0.0015	< 0.0017	< 0.0017	< 0.0019	< 0.0025	< 0.0013	< 0.0015
Diisopropyl ether (DIPE)	--	9,400[4]	< 0.00084	< 0.00080	--	< 0.00070	< 0.00075	< 0.00087	< 0.00084	< 0.00094	< 0.0013	< 0.00067	< 0.00074
Ethanol	--	--	< 0.42	< 0.40	--	< 0.35	< 0.37	< 0.43	< 0.42	< 0.47	< 0.63	< 0.33	< 0.37
Ethylbenzene	480	22	< 0.00084	< 0.00080	--	< 0.00070	**0.011**	**0.0083**	< 0.00084	< 0.00094	< 0.0013	< 0.00067	< 0.00074
Hexachlorobutadiene	310	42	--	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene (Cumene)	--	9,900[4]	< 0.00084	< 0.00080	--	< 0.00070	**0.0026**	< 0.00087	< 0.00084	< 0.00094	< 0.0013	< 0.00067	< 0.00074
m,p-Xylenes	2,400	2,400	< 0.0017	< 0.0016	--	< 0.0014	**0.0016**	**0.0078**	< 0.0017	< 0.0019	< 0.0025	< 0.0013	< 0.0015

TABLE 1
SUMMARY OF SOIL ANALYTICAL RESULTS
POTRERO POWER PLANT TANK FARM
SAN FRANCISCO, CALIFORNIA

		Location ID	**GB-127**	**GB-127**	**GB-128**	**GB-128**	**GB-128**	**GB-128**	**GB-129**	**GB-129**	**GB-129**	**GB-129**	**GB-129**
		Sample ID	GB-127-2.0	GB-127-6.0	GB-128-0.5	GB-128-2.0	GB-128-5.0	GB-128-10.0	GB-129-2.0	GB-129-5.0	GB-129-9.25	GB-129-18.75	GB-129-22.5
		Sample Date	11/13/2017	12/07/2017	11/13/2017	11/13/2017	12/06/2017	12/07/2017	11/08/2017	11/20/2017	11/20/2017	11/20/2017	11/20/2017
		Sample Depth (feet bgs)	2.0	6.0	0.5	2.0	5.0	10.0	2.0	5.0	9.25	18.75	22.5
		Sample Type	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary
Analyte	**Construction Worker Screening Level[1]**	**Commercial/Industrial Screening Level[2]**											
Methyl Tert Butyl Ether	3,700	180	< 0.0017	< 0.0016	--	< 0.0014	< 0.0015	< 0.0017	< 0.0017	< 0.0019	< 0.0025	< 0.0013	< 0.0015
Methylene chloride	500	25	< 0.0084	< 0.0080	--	< 0.0070	< 0.0075	< 0.0087	< 0.0084	< 0.0094	< 0.013	< 0.0067	< 0.0074
Naphthalene	350	14	< 0.0084	< 0.0080	--	< 0.0070	**5.9**	< 0.47	< 0.0084	< 0.0094	< 0.013	< 0.0067	< 0.0074
n-Butylbenzene	--	6,400[7]	< 0.00084	< 0.00080	--	< 0.00070	< 0.00075	< 0.00087	< 0.00084	< 0.00094	< 0.0013	< 0.00067	< 0.00074
n-Propylbenzene	--	24,000	< 0.0017	< 0.0016	--	< 0.0014	< 0.0015	< 0.0017	< 0.0017	< 0.0019	< 0.0025	< 0.0013	< 0.0015
o-Xylene	2,400	2,400	< 0.00084	< 0.00080	--	< 0.00070	< 0.00075	**0.0027**	< 0.00084	< 0.00094	< 0.0013	< 0.00067	< 0.00074
Styrene	29,000	40,000	< 0.00084	< 0.00080	--	< 0.00070	< 0.00075	**0.0014**	< 0.00084	< 0.00094	< 0.0013	< 0.00067	< 0.00074
t-Amyl Alcohol	--	340[4]	< 0.042	< 0.040	--	< 0.035	< 0.037	< 0.043	< 0.042	< 0.047	< 0.063	< 0.033	< 0.037
Tert-Amyl Methyl Ether (TAME)	--	--	< 0.00084	< 0.00080	--	< 0.00070	< 0.00075	< 0.00087	< 0.00084	< 0.00094	< 0.0013	< 0.00067	< 0.00074
Tert-Butyl Alcohol (tert-Butanol)	--	--	< 0.017	< 0.016	--	< 0.014	< 0.015	< 0.017	< 0.017 J	< 0.019	< 0.025	< 0.013	< 0.015
Tert-Butyl Ethyl Ether (ETBE)	--	--	< 0.00084	< 0.00080	--	< 0.00070	< 0.00075	< 0.00087	< 0.00084	< 0.00094	< 0.0013	< 0.00067	< 0.00074
tert-Butylbenzene	--	12,000[7]	< 0.00084	< 0.00080	--	< 0.00070	< 0.00075	< 0.00087	< 0.00084	< 0.00094	< 0.0013	< 0.00067	< 0.00074
Tetrachloroethene	33	2.7	< 0.00084	< 0.00080	--	< 0.00070	< 0.00075	< 0.00087	< 0.00084	< 0.00094	< 0.0013	< 0.00067	< 0.00074
Toluene	4,100	4,600	< 0.00084	< 0.00080	--	< 0.00070	< 0.00075	**0.048**	< 0.00084	< 0.00094	< 0.0013	< 0.00067	< 0.00074
trans-1,2-Dichloroethene	680	730	< 0.00084	< 0.00080	--	< 0.00070	< 0.00075	< 0.00087	< 0.00084	< 0.00094	< 0.0013	< 0.00067	< 0.00074
trans-1,3-Dichloropropene	--	8.2[4]	< 0.0017	< 0.0016	--	< 0.0014	< 0.0015	< 0.0017	< 0.0017	< 0.0019	< 0.0025	< 0.0013	< 0.0015
Trichloroethene	23	8	< 0.0017	< 0.0016	--	< 0.0014	< 0.0015	< 0.0017	< 0.0017	< 0.0019	< 0.0025	< 0.0013	< 0.0015
Trichlorofluoromethane (CFC-11)	--	5,400[7]	< 0.0084	< 0.0080	--	< 0.0070	< 0.0075	< 0.0087	< 0.0084	< 0.0094	< 0.013	< 0.0067	< 0.0074
Trifluorotrichloroethane (Freon 113)	--	28,000[4]	< 0.0084	< 0.0080	--	< 0.0070	< 0.0075	< 0.0087	< 0.0084	< 0.0094	< 0.013	< 0.0067	< 0.0074
Vinyl acetate	--	3,800[4]	< 0.0084	< 0.0080	--	< 0.0070	< 0.0075	< 0.0087	< 0.0084	< 0.0094	< 0.013	< 0.0067	< 0.0074
Vinyl chloride	3.4	0.15	< 0.00084	< 0.00080	--	< 0.00070	< 0.00075	< 0.00087	< 0.00084	< 0.00094	< 0.0013	< 0.00067	< 0.00074
Xylene (total)	2,400	2,400	--	--	--	--	--	--	--	--	--	--	--
Inorganic Compounds													
Asbestos (%)	--	--	< 0.25	**1.25**	--	< 0.25	**0.75**	**1.5**	< 0.25	**0.5**	**0.5**	< 0.25	**0.25**
Total Cyanide (mg/kg)	--	--	--	--	--	--	--	--	--	--	--	--	--
Total phenols (mg/kg)	--	--	--	--	--	--	--	--	--	--	--	--	--

Notes
Volatile Organic Compounds (VOCs) analyzed by EPA Method 8260B
Semi-Volatile Organic Compounds (SVOCs) analyzed by EPA Method 8270 SIM
Metals analyzed by EPA Methods 6010B/7471A
Polychlorinated Biphenyls analyzed by EPA Method 8082
Total Petroleum Hydrocarbons analyzed by EPA Method 8015B
Total Cyanide analyzed by EPA Method 9014
Asbestos analyzed by CARB 435

Soil Screening Levels:
1. Environmental Screening Levels (ESLs), Table S-1: Direct Exposure soil Screening Levels, Commercial/Industrial Worker Exposure Scenario, Most Stringent (Water Board, February 2016).
2. Environmental Screening Levels (ESLs), Table S-1: Direct Exposure soil Screening Levels, Construction Worker Exposure Scenario, Most Stringent (Water Board, February 2016).
3. Arsenic concentrations are compared to the background threshold value of 12 mg/kg developed for the adjacent Station A Area (AMEC, 2011).
4. USEPA Regional Screening Level (RSL) for industrial soil endorsed by DTSC (USEPA, November 2017).
5. 0.9 mg/kg B(a)P WQ is the 95th perecentile of the northern California ambient data set for surface soil. The range of ambient concentrations in the northern California ambient data set is non-detect to 2.8 mg/kg.
6. Due to the lack of published screening criteria, the screening levels for acenaphthene and fluoranthene were selected to screen the results for benzo(g,h,i)perylene and phenanthrene, respectively, due to the similar chemical structure.
7. DTSC Modified screening level for industrial soil (DTSC, January 2018)

B(a)P EQ were calculated using potency equivalency factors from the DTSC Preliminary Endangerment Assessment Guidance Manual
BOLD = concentration detected above the laboratory reporting limi
Orange highlight = result exceeded the referenced Construction Worker Screening Level
Green highlight = result exceeded the referenced Commercial/Industrial Screening Level

Abbreviations:
< = analyte not detected above the indicated reporting limit.
J = estimated concentration.
R = rejected result
-- = not analyzed or not applicable.
mg/kg = milligrams per kilogram
ft bgs = feet below ground surface

TABLE 1
SUMMARY OF SOIL ANALYTICAL RESULTS
POTRERO POWER PLANT TANK FARM
SAN FRANCISCO, CALIFORNIA

		Location ID	GB-130	GB-130	GB-130	GB-130	GB-130	GB-130	GB-131	GB-131	GB-131	GB-131	GB-131
		Sample ID	GB-130-2.0	GB-130-5.0	GB-130-10.0	GB-130-15.0	GB-130-19.0	GB-130-25.75	GB-131-2.0	GB-131-6.5	GB-131-9.0	GB-131-12.5	GB-131-16.5
		Sample Date	11/14/2017	11/15/2017	11/15/2017	11/15/2017	11/15/2017	11/15/2017	11/13/2017	12/04/2017	12/04/2017	12/04/2017	12/04/2017
		Sample Depth (feet bgs)	2.0	5.0	10.0	15.0	19.0	25.75	2.0	6.5	9.0	12.5	16.5
		Sample Type	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary
Analyte	**Construction Worker Screening Level[1]**	**Commercial/Industrial Screening Level[2]**											
Metals (mg/kg)													
Antimony	140	470	< 0.743 R	< 0.728 J	< 0.773 J	< 0.743 J	< 0.743 J	< 0.769 J	< 0.728 J	< 0.769	**8.4**	--	--
Arsenic	12[3]	12[3]	**2.71**	**5.76**	**5.41**	**3.52**	**10.3**	**7.11**	**6.69**	**5.54**	**5.39**	--	--
Barium	3,000	220,000	**78.2**	**116**	**130**	**95**	**225**	**117**	**147**	**169**	**166**	--	--
Beryllium	42	2,200	**0.279**	< 0.243	< 0.258	< 0.248	**0.291**	< 0.256	**0.28**	**0.276**	< 0.260	--	--
Cadmium	43	580	< 0.495	**0.727**	< 0.515	< 0.495	**1.59**	**0.708**	**0.701**	**0.71**	**0.682**	--	--
Chromium	530,000	1,800,000	**104**	**303 J**	**471 J**	**191 J**	**113 J**	**35.4 J**	**385**	**236**	**356**	--	--
Cobalt	28	350	**14**	**32.7**	**34.9**	**25.1**	**14.9**	**10.4**	**35.6**	**30.6**	**36.5**	--	--
Copper	14,000	47,000	**29.7**	**83.1**	**58.2**	**31.8**	**120**	**33.6**	**76.3**	**72.3**	**82.3**	--	--
Lead	160	320	**60.2**	**118**	**124**	**82.8**	**260**	**547**	**146**	**142**	**1,200**	--	--
Mercury	44	190	**0.851**	**0.598**	**1.36**	**0.142**	**0.715**	**0.223**	**1.75**	**1.08**	**0.585**	--	--
Molybdenum	1,800	5,800	< 0.248	< 0.243	< 0.258	< 0.248	**0.321**	**0.527**	< 0.243	< 0.256	< 0.260	--	--
Nickel	86	11,000	**200**	**524**	**572**	**419**	**169**	**93.4**	**623**	**482**	**654**	--	--
Selenium	1,700	5,800	< 0.743	< 0.728	< 0.773	< 0.743	< 0.743	< 0.769	< 0.728	< 0.769	< 0.781	--	--
Silver	1,800	5,800	< 0.248	< 0.243	< 0.258	< 0.248	**0.286**	< 0.256	< 0.243	< 0.256	**8.11**	--	--
Thallium	3.5	12	**0.771 J**	**0.888**	**1.14**	< 0.743	< 0.743	< 0.769	< 0.728	**1.12**	**1.36**	--	--
Vanadium	470	5,800	**29.6**	**39.1**	**41.6**	**35.7**	**30.3**	**23.9**	**69.9**	**42.3**	**103**	--	--
Zinc	110,000	350,000	**61.4**	**127 J**	**109 J**	**39.3 J**	**413 J**	**124 J**	**164**	**141**	**123**	--	--
Polychlorinated Biphenyls (mg/kg)													
Aroclor-1016 (PCB-1016)	5.6	1.0	< 0.49	< 0.050	< 0.50	< 0.50	< 0.050	< 0.20	< 1.0	< 0.49	< 0.50	--	--
Aroclor-1221 (PCB-1221)	5.6	1.0	< 0.49	< 0.050	< 0.50	< 0.50	< 0.050	< 0.20	< 1.0	< 0.49	< 0.50	--	--
Aroclor-1232 (PCB-1232)	5.6	1.0	< 0.49	< 0.050	< 0.50	< 0.50	< 0.050	< 0.20	< 1.0	< 0.49	< 0.50	--	--
Aroclor-1242 (PCB-1242)	5.6	1.0	< 0.49	< 0.050	< 0.50	< 0.50	< 0.050	< 0.20	< 1.0	< 0.49	< 0.50	--	--
Aroclor-1248 (PCB-1248)	5.6	1.0	< 0.49	< 0.050	< 0.50	< 0.50	< 0.050	< 0.20	< 1.0	< 0.49	< 0.50	--	--
Aroclor-1254 (PCB-1254)	5.6	1.0	< 0.49	< 0.050	< 0.50	< 0.50	< 0.050	< 0.20	< 1.0	< 0.49	< 0.50	--	--
Aroclor-1260 (PCB-1260)	5.6	1.0	**1.6**	**0.89 J**	**1.8**	**2.2**	< 0.050	< 0.20	**8**	**1.4**	**0.97**	--	--
Aroclor-1262 (PCB-1262)	5.6	1.0	< 0.49	< 0.050	< 0.50	< 0.50	< 0.050	< 0.20	< 1.0	< 0.49	< 0.50	--	--
Aroclor-1268 (PCB-1268)	5.6	1.0	< 0.49	< 0.050	< 0.50	< 0.50	< 0.050	< 0.20	< 1.0	< 0.49	< 0.50	--	--
Semi-Volatile Organic Compounds (mg/kg)													
1-Methylnaphthalene	--	--	< 0.098	**1.2**	**0.11**	**0.14**	**0.049**	**220**	**0.17**	**1.6**	**0.84**	**2.6**	**2.5**
2,4,6-Trichlorophenol	350	47	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	1,100	3,500	--	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	7,100	23,000	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	710	2,300	--	--	--	--	--	--	--	--	--	--	--
2,6-Dichlorophenol	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	1,800	5,800	--	--	--	--	--	--	--	--	--	--	--
2-Methylnaphthalene	670	3,000	< 0.098	**0.91**	< 0.099	**0.17**	**0.057**	**250**	**0.13**	**1.3**	**0.68**	**3.5**	**2.3**
2-Methylphenol (o-Cresol)	--	41,000[4]	--	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	--	--	--	--	--	--	--	--	--	--	--	--	--
3&4-Methylphenol	--	--	--	--	--	--	--	--	--	--	--	--	--
3/4-Methylphenols (p/m-Cresol) A	--	41,000[4]	--	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	--	66[4]	--	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	--	--	--	--	--	--	--	--	--	--	--	--	--
Acenaphthene	10,000	45,000	**0.39**	**1.5**	**1.9**	**0.13**	**0.098**	**1,700**	**2.9**	**8.6**	**1.4**	**9.8**	**1.3**
Acenaphthylene	--	45,000[4]	**0.86**	**1.1**	**1.5**	**0.42**	**0.35**	**330**	**1.5**	**4.2**	**0.96**	**6.8**	**1.8**
Anthracene	50,000	230,000	**1.1**	**2.2**	**1.2**	**0.66**	**0.57**	**550**	**2.4**	**4.9**	**2.5**	**7.7**	**2.1**
Benzo(a)anthracene	16	2.9	**2.6**	**3.2**	**4.7**	**2**	**1.6**	**570**	**6.3**	**11**	**3.2**	**11**	**3.4**
Benzo(a)pyrene	1.6	0.29	**4.1**	**5.9**	**11**	**2.6**	**2.5**	**1,900**	**12**	**25**	**6.7**	**25**	**4.7**
Benzo(A)Pyrene Equivalent (1/2 RL substituted for ND)	0.9[5]	0.9[5]	**5.58**	**7.47**	**14.36**	**3.65**	**3.37**	**2,323.83**	**15.59**	**31.22**	**8.33**	**31.24**	**6.29**
Benzo(b)fluoranthene	16	2.9	**2.4**	**3**	**7.8**	**1.9**	**1.7**	**1,000**	**6.7**	**15**	**3.4**	**15**	**3.1**
Benzo(g,h,i)perylene	10,000[6]	45,000[6]	**5.1**	**6.1**	**12**	**2.2**	**2.4**	**2,300**	**17**	**27**	**4.4**	**27**	**3.1**
Benzo(k)fluoranthene	150	29	**2.5**	**2.8**	**4.5**	**1.9**	**1.7**	**600**	**6.9**	**11**	**3**	**12**	**3**
Chrysene	1,500	260	**3.3**	**4**	**7.6**	**2.3**	**2**	**830**	**9**	**15**	**4.5**	**16**	**4.2**
Dibenz(a,h)anthracene	1.6	0.29	**0.63**	**0.61**	**1.3**	**0.48**	**0.36**	**120**	**1.3**	**1.7**	**0.61**	**1.7**	**0.65**
Fluoranthene	6,700	30,000	**9.5**	**13**	**22**	**4.3**	**4.8**	**4,400**	**28**	**50**	**16**	**58**	**11**
Fluorene	6,700	30,000	**0.35**	**1.4**	**0.2**	**0.28**	**0.18**	**240**	**0.82**	**1.9**	**1.3**	**3.1**	**1.3**
Indeno(1,2,3-cd)pyrene	16	2.9	**3.2**	**3.1**	**7.6**	**1.6**	**1.6**	**1,400**	**9.1**	**18**	**3.3**	**18**	**2.6**
Naphthalene	350	14	**0.39**	**10**	**0.49**	**0.59**	**0.27**	**4,300**	**0.47**	**4.9**	**3.2**	**39**	**9.2**
Pentachlorophenol	20	4	--	--	--	--	--	--	--	--	--	--	--
Phenanthrene	6,700[6]	30,000[6]	**7.6**	**15**	**6.7**	**3.2**	**3.2**	**5,300**	**22**	**48**	**17**	**64**	**11**
Phenol	98,000	350,000	--	--	--	--	--	--	--	--	--	--	--
Pyrene	5,000	23,000	**13**	**15**	**33**	**6**	**7**	**5,700**	**37**	**60**	**19**	**68**	**14**

TABLE 1
SUMMARY OF SOIL ANALYTICAL RESULTS
POTRERO POWER PLANT TANK FARM
SAN FRANCISCO, CALIFORNIA

		Location ID	GB-130	GB-130	GB-130	GB-130	GB-130	GB-130	GB-131	GB-131	GB-131	GB-131	GB-131
		Sample ID	GB-130-2.0	GB-130-5.0	GB-130-10.0	GB-130-15.0	GB-130-19.0	GB-130-25.75	GB-131-2.0	GB-131-6.5	GB-131-9.0	GB-131-12.5	GB-131-16.5
		Sample Date	11/14/2017	11/15/2017	11/15/2017	11/15/2017	11/15/2017	11/15/2017	11/13/2017	12/04/2017	12/04/2017	12/04/2017	12/04/2017
		Sample Depth (feet bgs)	2.0	5.0	10.0	15.0	19.0	25.75	2.0	6.5	9.0	12.5	16.5
		Sample Type	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary
Analyte	**Construction Worker Screening Level[1]**	**Commercial/Industrial Screening Level[2]**											
Total Petroleum Hydrocarbons (mg/kg)													
Diesel Range Organics	880	1,100	**180**	**790**	**750 J**	**540**	**280**	**32,000**	**570**	**800**	**1,000**	**730 J**	**300**
Gasoline Range Organics	2,800	3,900	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons (C9-C40)	880	1,100	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons-Motor Oil	32,000	140,000	**250**	**1,900**	**1,400 J**	**970**	**370**	**33,000**	**670**	**1,200**	**1,300**	**1,200 J**	**510**
Volatile Organic Compounds (mg/kg)													
1,1,1,2-Tetrachloroethane	340	18	< 0.00090	< 0.042	< 0.00078	< 0.00078	< 0.00082	< 4.0	< 0.00088	< 0.00076	< 0.0011	< 0.042	< 0.056
1,1,1-Trichloroethane	8,800	8,900	< 0.00090	< 0.042	< 0.00078	< 0.00078	< 0.00082	< 4.0	< 0.00088	< 0.00076	< 0.0011	< 0.042	< 0.056
1,1,2,2-Tetrachloroethane	44	2.3	< 0.0018	< 0.084	< 0.0016	< 0.0016	< 0.0016	< 8.0	< 0.0018	< 0.0015	< 0.0021	< 0.084	< 0.11
1,1,2-Trichloroethane	5.2	4.2	< 0.00090	< 0.042	< 0.00078	< 0.00078	< 0.00082	< 4.0	< 0.00088	< 0.00076	< 0.0011	< 0.042	< 0.056
1,1-Dichloroethane	390	17	< 0.00090	< 0.042	< 0.00078	< 0.00078	< 0.00082	< 4.0	< 0.00088	< 0.00076	< 0.0011	< 0.042	< 0.056
1,1-Dichloroethene	390	400	< 0.00090	< 0.042	< 0.00078	< 0.00078	< 0.00082	< 4.0	< 0.00088	< 0.00076	< 0.0011	< 0.042	< 0.056
1,1-Dichloropropane	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	--	--	< 0.0018	< 0.084	< 0.0016	< 0.0016	< 0.0016	< 8.0	< 0.0018	< 0.0015	< 0.0021	< 0.084	< 0.11
1,2,3-Trichlorobenzene	--	310[7]	< 0.0018	< 0.084	< 0.0016	< 0.0016	< 0.0016	< 8.0	< 0.0018	< 0.0015	< 0.0021	< 0.084	< 0.11
1,2,3-Trichloropropane	--	0.021[7]	< 0.0018	< 0.084	< 0.0016	< 0.0016	< 0.0016	< 8.0	< 0.0018	< 0.0015	< 0.0021	< 0.084	< 0.11
1,2,4-Trichlorobenzene	310	110	< 0.0018	< 0.084	**0.0019**	< 0.0016	< 0.0016	< 8.0	< 0.0018	< 0.0015	**0.0068**	< 0.084	< 0.11
1,2,4-Trimethylbenzene	--	1,800[4]	< 0.0018	**0.11**	< 0.0016	< 0.0016	< 0.0016	**51**	< 0.0018	< 0.0015	< 0.0021	< 0.084	**1.3**
1,2-Dibromo-3-chloropropane (DBCP)	1.3	0.072	< 0.0045	< 0.21	< 0.0039	< 0.0039	< 0.0041	< 20	< 0.0044	< 0.0038	< 0.0054	< 0.21	< 0.28
1,2-Dibromoethane (Ethylene Dibromide)	3.2	0.16	< 0.00090	< 0.042	< 0.00078	< 0.00078	< 0.00082	< 4.0	< 0.00088	< 0.00076	< 0.0011	< 0.042	< 0.056
1,2-Dichlorobenzene	8,500	11,000	< 0.00090	< 0.042	< 0.00078	< 0.00078	< 0.00082	< 4.0	< 0.00088	< 0.00076	< 0.0011	< 0.042	< 0.056
1,2-Dichloroethane	37	1.6	< 0.00090	< 0.042	< 0.00078	< 0.00078	< 0.00082	< 4.0	< 0.00088	< 0.00076	< 0.0011	< 0.042	< 0.056
1,2-Dichloropropane	58	3.9	< 0.00090	< 0.042	< 0.00078	< 0.00078	< 0.00082	< 4.0	< 0.00088	< 0.00076	< 0.0011	< 0.042	< 0.056
1,3,5-Trimethylbenzene	--	1,500[4]	< 0.0018	< 0.084	< 0.0016	< 0.0016	< 0.0016	**22**	< 0.0018	< 0.0015	< 0.0021	< 0.084	**0.38**
1,3-Dichlorobenzene	--	--	< 0.00090	< 0.042	< 0.00078	< 0.00078	< 0.00082	< 4.0	< 0.00088	< 0.00076	< 0.0011	< 0.042	< 0.056
1,3-Dichloropropane	--	2,200[7]	< 0.00090	< 0.042	< 0.00078	< 0.00078	< 0.00082	< 4.0	< 0.00088	< 0.00076	< 0.0011	< 0.042	< 0.056
1,3-Dichloropropene	29	1.2	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	310	13	< 0.00090	< 0.042	< 0.00078	< 0.00078	< 0.00082	< 4.0	< 0.00088	< 0.00076	< 0.0011	< 0.042	< 0.056
1-Methylethyl-benzene A	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	--	--	< 0.0045	< 0.21	< 0.0039	< 0.0039	< 0.0041	< 20	< 0.0044	< 0.0038	< 0.0054	< 0.21	< 0.28
2-Butanone (Methyl Ethyl Ketone)	--	190,000[4]	< 0.018	< 0.84	< 0.016	< 0.016	< 0.016	< 80	< 0.018	< 0.015	< 0.021	< 0.84	< 1.1
2-Chlorotoluene	--	2,600[7]	< 0.00090	< 0.042	< 0.00078	< 0.00078	< 0.00082	< 4.0	< 0.00088	< 0.00076	< 0.0011	< 0.042	< 0.056
2-Hexanone	--	1,300[4]	< 0.018	< 0.84	< 0.016	< 0.016	< 0.016	< 80	< 0.018	< 0.015	< 0.021	< 0.84	< 1.1
2-Phenylbutane (sec-Butylbenzene)	--	12,000[7]	< 0.00090	< 0.042	< 0.00078	< 0.00078	< 0.00082	< 4.0	< 0.00088	< 0.00076	< 0.0011	< 0.042	< 0.056
4-Chlorotoluene	--	2,300[7]	< 0.00090	< 0.042	< 0.00078	< 0.00078	< 0.00082	< 4.0	< 0.00088	< 0.00076	< 0.0011	< 0.042	< 0.056
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	--	140,000[4]	< 0.018	< 0.84	< 0.016	< 0.016	< 0.016	< 80	< 0.018	< 0.015	< 0.021	< 0.84	< 1.1
Acetone	260,000	630,000	< 0.045	< 2.1	< 0.039	< 0.039	< 0.041	< 200	< 0.044	< 0.038	< 0.054	< 2.1	< 2.8
Benzene	24	1	**0.0018**	**0.048**	**0.0023**	**0.0014**	**0.0015**	**600**	**0.0024**	**0.0067 J**	**0.012 J**	**0.098**	**0.3**
Bromobenzene	--	1,800[4]	< 0.00090	< 0.042	< 0.00078	< 0.00078	< 0.00082	< 4.0	< 0.00088	< 0.00076	< 0.0011	< 0.042	< 0.056
Bromodichloromethane	47	2.3	< 0.00090	< 0.042	< 0.00078	< 0.00078	< 0.00082	< 4.0	< 0.00088	< 0.00076	< 0.0011	< 0.042	< 0.056
Bromoform	2,200	300	< 0.0045	< 0.21	< 0.0039	< 0.0039	< 0.0041	< 20	< 0.0044	< 0.0038	< 0.0054	< 0.21	< 0.28
Bromomethane (Methyl Bromide)	34	36	< 0.018	< 0.84	< 0.016	< 0.016	< 0.016	< 80	< 0.018	< 0.015	< 0.021	< 0.84	< 1.1
Carbon disulfide	--	3,500[4]	< 0.0090	< 0.42	< 0.0078	< 0.0078	< 0.0082	< 40	< 0.0088	< 0.0076	< 0.011	< 0.42	< 0.56
Carbon tetrachloride	13	0.54	< 0.00090	< 0.042	< 0.00078	< 0.00078	< 0.00082	< 4.0	< 0.00088	< 0.00076	< 0.0011	< 0.042	< 0.056
Chlorobenzene	1,100	1,200	< 0.00090	< 0.042	< 0.00078	< 0.00078	< 0.00082	< 4.0	< 0.00088	< 0.00076	< 0.0011	< 0.042	< 0.056
Chlorobromomethane	--	630[4]	< 0.0018	< 0.084	< 0.0016	< 0.0016	< 0.0016	< 8.0	< 0.0018	< 0.0015	< 0.0021	< 0.084	< 0.11
Chloroethane	53,000	53,000	< 0.0018	< 0.084	< 0.0016	< 0.0016	< 0.0016	< 8.0	< 0.0018	< 0.0015	< 0.0021	< 0.084	< 0.11
Chloroform (Trichloromethane)	32	1.3	< 0.00090	< 0.042	< 0.00078	< 0.00078	< 0.00082	< 4.0	< 0.00088	< 0.00076	< 0.0011	< 0.042	< 0.056
Chloromethane (Methyl Chloride)	430	430	< 0.018	< 0.84	< 0.016	< 0.016	< 0.016	< 80	< 0.018	< 0.015	< 0.021	< 0.84	< 1.1
cis-1,2-Dichloroethene	82	90	< 0.00090	< 0.042	< 0.00078	< 0.00078	< 0.00082	< 4.0	< 0.00088	< 0.00076	< 0.0011	< 0.042	< 0.056
cis-1,3-Dichloropropene	--	8.2[4]	< 0.00090	< 0.042	< 0.00078	< 0.00078	< 0.00082	< 4.0	< 0.00088	< 0.00076	< 0.0011	< 0.042	< 0.056
Cyclohexanone	--	130,000[4]	< 0.045	< 2.1	< 0.039	< 0.039	< 0.041	< 200	< 0.044	< 0.038	< 0.054	< 2.1	< 2.8
Cymene (p-Isopropyltoluene)	--	--	< 0.00090	< 0.042	< 0.00078	< 0.00078	< 0.00082	< 4.0	< 0.00088	< 0.00076	< 0.0011	< 0.042	< 0.056
Dibromochloromethane	290	39	< 0.0018	< 0.084	< 0.0016	< 0.0016	< 0.0016	< 8.0	< 0.0018	< 0.0015	< 0.0021	< 0.084	< 0.11
Dibromomethane	--	99[4]	< 0.00090	< 0.042	< 0.00078	< 0.00078	< 0.00082	< 4.0	< 0.00088	< 0.00076	< 0.0011	< 0.042	< 0.056
Dichlorodifluoromethane (CFC-12)	--	370[4]	< 0.0018	< 0.084	< 0.0016	< 0.0016	< 0.0016	< 8.0	< 0.0018	< 0.0015	< 0.0021	< 0.084	< 0.11
Diisopropyl ether (DIPE)	--	9,400[4]	< 0.00090	< 0.042	< 0.00078	< 0.00078	< 0.00082	< 4.0	< 0.00088	< 0.00076	< 0.0011	< 0.042	< 0.056
Ethanol	--	--	< 0.45	< 21	< 0.39	< 0.39	< 0.41	< 2,000	< 0.44	< 0.38	< 0.54	< 21	< 28
Ethylbenzene	480	22	< 0.00090	**0.076**	< 0.00078	< 0.00078	< 0.00082	**400**	< 0.00088	< 0.00076	**0.0044**	< 0.042	**1.3**
Hexachlorobutadiene	310	42	--	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene (Cumene)	--	9,900[4]	< 0.00090	< 0.042	< 0.00078	< 0.00078	< 0.00082	**9.2**	< 0.00088	< 0.00076	**0.0019**	< 0.042	< 0.056
m,p-Xylenes	2,400	2,400	< 0.0018	< 0.084	< 0.0016	< 0.0016	< 0.0016	**120**	< 0.0018	< 0.0015	< 0.0021	< 0.084	**0.74**

TABLE 1
SUMMARY OF SOIL ANALYTICAL RESULTS
POTRERO POWER PLANT TANK FARM
SAN FRANCISCO, CALIFORNIA

		Location ID	**GB-130**	**GB-130**	**GB-130**	**GB-130**	**GB-130**	**GB-130**	**GB-131**	**GB-131**	**GB-131**	**GB-131**	**GB-131**
		Sample ID	GB-130-2.0	GB-130-5.0	GB-130-10.0	GB-130-15.0	GB-130-19.0	GB-130-25.75	GB-131-2.0	GB-131-6.5	GB-131-9.0	GB-131-12.5	GB-131-16.5
		Sample Date	11/14/2017	11/15/2017	11/15/2017	11/15/2017	11/15/2017	11/15/2017	11/13/2017	12/04/2017	12/04/2017	12/04/2017	12/04/2017
		Sample Depth (feet bgs)	2.0	5.0	10.0	15.0	19.0	25.75	2.0	6.5	9.0	12.5	16.5
		Sample Type	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary
Analyte	**Construction Worker Screening Level[1]**	**Commercial/Industrial Screening Level[2]**											
Methyl Tert Butyl Ether	3,700	180	< 0.0018	< 0.084	< 0.0016	< 0.0016	< 0.0016	< 8.0	< 0.0018	< 0.0015	< 0.0021	< 0.084	< 0.11
Methylene chloride	500	25	< 0.0090	< 0.42	< 0.0078	< 0.0078	< 0.0082	< 40	< 0.0088	< 0.0076	< 0.011	< 0.42	< 0.56
Naphthalene	350	14	< 0.0090	**18**	< 0.0078	< 0.0078	< 0.0082	**5,300**	**0.0098**	**0.035**	**11**	**25**	**87**
n-Butylbenzene	--	6,400[7]	< 0.00090	< 0.042	< 0.00078	< 0.00078	< 0.00082	< 4.0	< 0.00088	< 0.00076	**0.0013**	< 0.042	**0.17**
n-Propylbenzene	--	24,000	< 0.0018	< 0.084	< 0.0016	< 0.0016	< 0.0016	< 8.0	< 0.0018	< 0.0015	< 0.0021	< 0.084	**0.16**
o-Xylene	2,400	2,400	< 0.00090	< 0.042	< 0.00078	< 0.00078	< 0.00082	**58**	< 0.00088	< 0.00076	**0.0029**	< 0.042	**0.55**
Styrene	29,000	40,000	< 0.00090	< 0.042	< 0.00078	< 0.00078	< 0.00082	< 4.0	< 0.00088	< 0.00076	< 0.0011	< 0.042	**0.79**
t-Amyl Alcohol	--	340[4]	< 0.045	< 2.1	< 0.039	< 0.039	< 0.041	< 200	< 0.044	< 0.038	< 0.054	< 2.1	< 2.8
Tert-Amyl Methyl Ether (TAME)	--	--	< 0.00090	< 0.042	< 0.00078	< 0.00078	< 0.00082	< 4.0	< 0.00088	< 0.00076	< 0.0011	< 0.042	< 0.056
Tert-Butyl Alcohol (tert-Butanol)	--	--	< 0.018	< 0.84	< 0.016	< 0.016	< 0.016	< 80	< 0.018	< 0.015	< 0.021	< 0.84	< 1.1
Tert-Butyl Ethyl Ether (ETBE)	--	--	< 0.00090	< 0.042	< 0.00078	< 0.00078	< 0.00082	< 4.0	< 0.00088	< 0.00076	< 0.0011	< 0.042	< 0.056
tert-Butylbenzene	--	12,000[7]	< 0.00090	< 0.042	< 0.00078	< 0.00078	< 0.00082	< 4.0	< 0.00088	< 0.00076	< 0.0011	< 0.042	< 0.056
Tetrachloroethene	33	2.7	< 0.00090	< 0.042	< 0.00078	< 0.00078	< 0.00082	< 4.0	< 0.00088	< 0.00076	< 0.0011	< 0.042	< 0.056
Toluene	4,100	4,600	< 0.00090	< 0.042	< 0.00078	< 0.00078	< 0.00082	**74**	< 0.00088	**0.00092**	**0.0017**	< 0.042	**0.38**
trans-1,2-Dichloroethene	680	730	< 0.00090	< 0.042	< 0.00078	< 0.00078	< 0.00082	< 4.0	< 0.00088	< 0.00076	< 0.0011	< 0.042	< 0.056
trans-1,3-Dichloropropene	--	8.2[4]	< 0.0018	< 0.084	< 0.0016	< 0.0016	< 0.0016	< 8.0	< 0.0018	< 0.0015	< 0.0021	< 0.084	< 0.11
Trichloroethene	23	8	< 0.0018	< 0.084	< 0.0016	< 0.0016	< 0.0016	< 8.0	< 0.0018	< 0.0015	< 0.0021	< 0.084	< 0.11
Trichlorofluoromethane (CFC-11)	--	5,400[7]	< 0.0090	< 0.42	< 0.0078	< 0.0078	< 0.0082	< 40	< 0.0088	< 0.0076	< 0.011	< 0.42	< 0.56
Trifluorotrichloroethane (Freon 113)	--	28,000[4]	< 0.0090	< 0.42	< 0.0078	< 0.0078	< 0.0082	< 40	< 0.0088	< 0.0076	< 0.011	< 0.42	< 0.56
Vinyl acetate	--	3,800[4]	< 0.0090	< 0.42	< 0.0078	< 0.0078	< 0.0082	< 40	< 0.0088	< 0.0076	< 0.011	< 0.42	< 0.56
Vinyl chloride	3.4	0.15	< 0.00090	< 0.042	< 0.00078	< 0.00078	< 0.00082	< 4.0	< 0.00088	< 0.00076	< 0.0011	< 0.042	< 0.056
Xylene (total)	2,400	2,400	--	--	--	--	--	--	--	--	--	--	--
Inorganic Compounds													
Asbestos (%)	--	--	< 0.25	**0.75**	**0.5**	< 0.25	< 0.25	< 0.25	< 0.25	**0.5**	**0.75**	--	--
Total Cyanide (mg/kg)	--	--	< 3.0 J	**1.6**	**2.3**	**2.6**	**0.76**	**47**	**11**	--	--	**13**	--
Total phenols (mg/kg)	--	--	--	--	--	--	--	--	--	--	--	--	--

Notes
Volatile Organic Compounds (VOCs) analyzed by EPA Method 8260B
Semi-Volatile Organic Compounds (SVOCs) analyzed by EPA Method 8270 SIM
Metals analyzed by EPA Methods 6010B/7471A
Polychlorinated Biphenyls analyzed by EPA Method 8082
Total Petroleum Hydrocarbons analyzed by EPA Method 8015B
Total Cyanide analyzed by EPA Method 9014
Asbestos analyzed by CARB 435
Soil Screening Levels:
1. Environmental Screening Levels (ESLs), Table S-1: Direct Exposure soil Screening Levels, Commercial/Industrial Worker Exposure Scenario, Most Stringent (Water Board, February 2016).
2. Environmental Screening Levels (ESLs), Table S-1: Direct Exposure soil Screening Levels, Construction Worker Exposure Scenario, Most Stringent (Water Board, February 2016).
3. Arsenic concentrations are compared to the background threshold value of 12 mg/kg developed for the adjacent Station A Area (AMEC, 2011).
4. USEPA Regional Screening Level (RSL) for industrial soil endorsed by DTSC (USEPA, November 2017).
5. 0.9 mg/kg B(a)P WQ is the 95th perecentile of the northern California ambient data set for surface soil. The range of ambient concentrations in the northern California ambient data set is non-detect to 2.8 mg/kg.
6. Due to the lack of published screening criteria, the screening levels for acenaphthene and fluoranthene were selected to screen the results for benzo(g,h,i)perylene and phenanthrene, respectively, due to the similar chemical structure.
7. DTSC Modified screening level for industrial soil (DTSC, January 2018)
B(a)P EQ were calculated using potency equivalency factors from the DTSC Preliminary Endangerment Assessment Guidance Manual
BOLD = concentration detected above the laboratory reporting limi
Orange highlight = result exceeded the referenced Construction Worker Screening Level
Green highlight = result exceeded the referenced Commercial/Industrial Screening Level
Abbreviations:
< = analyte not detected above the indicated reporting limit.
J = estimated concentration.
R = rejected result
-- = not analyzed or not applicable.
mg/kg = milligrams per kilogram
ft bgs = feet below ground surface

TABLE 1
SUMMARY OF SOIL ANALYTICAL RESULTS
POTRERO POWER PLANT TANK FARM
SAN FRANCISCO, CALIFORNIA

		Location ID	GB-131	GB-131	GB-131	GB-131A	GB-132	GB-132	GB-132	GB-132	GB-132	GB-132	GB-132A
		Sample ID	GB-131-21.5	GB-131-25.0	GB-131-28.0	GB-131A-5.5	GB-132-2.0	GB-132-5.0	GB-132-10.0	GB-132-15.0	GB-132-20.0	GB-132-25.0	GB-132A-5.5
		Sample Date	12/04/2017	12/04/2017	12/04/2017	02/20/2018	11/13/2017	11/13/2017	11/13/2017	11/13/2017	11/13/2017	11/14/2017	02/20/2018
		Sample Depth (feet bgs)	21.5	25.0	28.0	5.5	2.0	5.0	10.0	15.0	20.0	25.0	5.5
		Sample Type	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary
Analyte	**Construction Worker Screening Level[1]**	**Commercial/Industrial Screening Level[2]**											
Metals (mg/kg)													
Antimony	140	470	--	--	< 0.750	--	< 0.721 J	< 0.781 J	< 0.735 J	< 0.754 J	< 0.714 J	< 0.739 J	--
Arsenic	12[3]	12[3]	--	--	**4.03**	--	**5.13**	**5.56**	**4.55**	**4.49**	**4**	**2.64**	--
Barium	3,000	220,000	--	--	**30**	--	**125**	**122**	**171**	**117**	**93.1**	**104**	--
Beryllium	42	2,200	--	--	< 0.250	--	**0.292**	< 0.260	**0.315**	**0.265**	< 0.238	**0.252**	--
Cadmium	43	580	--	--	< 0.500	--	< 0.481	< 0.521	< 0.490	< 0.503	< 0.476	< 0.493	--
Chromium	530,000	1,800,000	--	--	**608**	--	**204**	**185**	**252**	**213**	**275**	**238**	--
Cobalt	28	350	--	--	**69.6**	--	**27.3**	**26.6**	**28.8**	**24.9**	**36.8**	**19**	--
Copper	14,000	47,000	--	--	**14.8**	--	**61.5**	**417**	**59.7**	**53.2**	**50.2**	**43.1**	--
Lead	160	320	--	--	**53.1**	--	**151**	**168**	**146**	**155**	**92.8**	**96.2**	--
Mercury	44	190	--	--	**0.347**	--	**1.61**	**0.805**	**9.72**	**1.46**	**1.31**	**0.979**	--
Molybdenum	1,800	5,800	--	--	< 0.250	--	< 0.240	< 0.260	< 0.245	< 0.251	< 0.238	< 0.246	--
Nickel	86	11,000	--	--	**1,370**	--	**443**	**502**	**497**	**364**	**710**	**259**	--
Selenium	1,700	5,800	--	--	< 0.750	--	< 0.721	< 0.781	< 0.735	< 0.754	< 0.714	< 0.739	--
Silver	1,800	5,800	--	--	< 0.250	--	< 0.240	< 0.260	< 0.245	< 0.251	< 0.238	< 0.246	--
Thallium	3.5	12	--	--	**1.76**	--	< 0.721	< 0.781	**0.864**	< 0.754	< 0.714	< 0.739	--
Vanadium	470	5,800	--	--	**21.5**	--	**39.2**	**39.2**	**42.8**	**37.2**	**31.7**	**29.1**	--
Zinc	110,000	350,000	--	--	**32.3**	--	**108**	**108**	**92.9**	**111**	**83.4**	**76.9**	--
Polychlorinated Biphenyls (mg/kg)													
Aroclor-1016 (PCB-1016)	5.6	1.0	--	--	--	--	< 0.50	< 0.50	< 5.0	< 5.0	< 1.0	< 5.0	--
Aroclor-1221 (PCB-1221)	5.6	1.0	--	--	--	--	< 0.50	< 0.50	< 5.0	< 5.0	< 1.0	< 5.0	--
Aroclor-1232 (PCB-1232)	5.6	1.0	--	--	--	--	< 0.50	< 0.50	< 5.0	< 5.0	< 1.0	< 5.0	--
Aroclor-1242 (PCB-1242)	5.6	1.0	--	--	--	--	< 0.50	< 0.50	< 5.0	< 5.0	< 1.0	< 5.0	--
Aroclor-1248 (PCB-1248)	5.6	1.0	--	--	--	--	< 0.50	< 0.50	< 5.0	< 5.0	< 1.0	< 5.0	--
Aroclor-1254 (PCB-1254)	5.6	1.0	--	--	--	--	< 0.50	< 0.50	< 5.0	< 5.0	< 1.0	< 5.0	--
Aroclor-1260 (PCB-1260)	5.6	1.0	--	--	--	--	**4.4**	**1.4**	**17**	**25**	**4.9**	**14**	--
Aroclor-1262 (PCB-1262)	5.6	1.0	--	--	--	--	< 0.50	< 0.50	< 5.0	< 5.0	< 1.0	< 5.0	--
Aroclor-1268 (PCB-1268)	5.6	1.0	--	--	--	--	< 0.50	< 0.50	< 5.0	< 5.0	< 1.0	< 5.0	--
Semi-Volatile Organic Compounds (mg/kg)													
1-Methylnaphthalene	--	--	**0.13**	**0.13**	< 0.098	--	**0.29**	**0.51**	**0.14**	< 0.099	**0.041**	**0.45**	--
2,4,6-Trichlorophenol	350	47	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	1,100	3,500	--	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	7,100	23,000	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	710	2,300	--	--	--	--	--	--	--	--	--	--	--
2,6-Dichlorophenol	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	1,800	5,800	--	--	--	--	--	--	--	--	--	--	--
2-Methylnaphthalene	670	3,000	**0.11**	**0.11**	< 0.098	--	**0.27**	**0.37**	**0.14**	< 0.099	**0.016**	**0.2**	--
2-Methylphenol (o-Cresol)	--	41,000[4]	--	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	--	--	--	--	--	--	--	--	--	--	--	--	--
3&4-Methylphenol	--	--	--	--	--	--	--	--	--	--	--	--	--
3/4-Methylphenols (p/m-Cresol) A	--	41,000[4]	--	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	--	66[4]	--	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	--	--	--	--	--	--	--	--	--	--	--	--	--
Acenaphthene	10,000	45,000	**3.6**	**0.57**	**0.38**	--	**1.5**	**6.2**	**1.8**	**0.1**	**0.079**	**0.88**	--
Acenaphthylene	--	45,000[4]	**1.6**	**1.7**	**0.9**	--	**1.6**	**2**	**1.1**	**0.56**	**0.088**	**0.98**	--
Anthracene	50,000	230,000	**1.5**	**1.9**	**0.68**	--	**1.9**	**2.6**	**1**	**0.63**	**0.17**	**1.8**	--
Benzo(a)anthracene	16	2.9	**4.7**	**8**	**3.5**	--	**5.5**	**5.8**	**4.1**	**2.2**	**0.41**	**3.7**	--
Benzo(a)pyrene	1.6	0.29	**10**	**14**	**6.8**	--	**8.8**	**12**	**7.5**	**3.3**	**0.63**	**6.4**	--
Benzo(A)Pyrene Equivalent (1/2 RL substituted for ND)	0.9[5]	0.9[5]	**12.78**	**17.97**	**8.51**	--	**11.78**	**15.62**	**9.88**	**4.52**	**0.83**	**8.24**	--
Benzo(b)fluoranthene	16	2.9	**6.7**	**9.8**	**3.5**	--	**6**	**7.5**	**4.5**	**2.3**	**0.36**	**3.7**	--
Benzo(g,h,i)perylene	10,000[6]	45,000[6]	**11**	**12**	**4.2**	--	**9.1**	**14**	**8.6**	**3.8**	**0.7**	**8**	--
Benzo(k)fluoranthene	150	29	**4.4**	**8.1**	**3.4**	--	**4.9**	**6.3**	**3.9**	**2**	**0.37**	**3.1**	--
Chrysene	1,500	260	**7.5**	**11**	**4.6**	--	**6.9**	**7.7**	**5.8**	**2.9**	**0.58**	**4.8**	--
Dibenz(a,h)anthracene	1.6	0.29	**0.89**	**1.2**	**0.65**	--	**1.2**	**1.4**	**0.96**	**0.52**	**0.081**	**0.67**	--
Fluoranthene	6,700	30,000	**23**	**33**	**13**	--	**20**	**28**	**16**	**7.4**	**1.2**	**15**	--
Fluorene	6,700	30,000	**0.28**	**0.31**	**0.12**	--	**0.71**	**0.44**	**0.13**	**0.1**	**0.035**	**0.55**	--
Indeno(1,2,3-cd)pyrene	16	2.9	**7**	**9**	**3.2**	--	**5.7**	**8.2**	**5.2**	**2.3**	**0.36**	**3.9**	--
Naphthalene	350	14	**0.59**	**0.71**	**0.28**	--	**1.5**	**2.6**	**0.69**	**0.21**	**0.18**	**1.5**	--
Pentachlorophenol	20	4	--	--	--	--	--	--	--	--	--	--	--
Phenanthrene	6,700[6]	30,000[6]	**4.4**	**12**	**2.1**	--	**15**	**17**	**3.7**	**2.7**	**0.85**	**11**	--
Phenol	98,000	350,000	--	--	--	--	--	--	--	--	--	--	--
Pyrene	5,000	23,000	**30**	**39**	**17**	--	**23**	**33**	**19**	**10**	**2.5**	**21**	--

TABLE 1
SUMMARY OF SOIL ANALYTICAL RESULTS
POTRERO POWER PLANT TANK FARM
SAN FRANCISCO, CALIFORNIA

		Location ID	GB-131	GB-131	GB-131	GB-131A	GB-132	GB-132	GB-132	GB-132	GB-132	GB-132	GB-132A
		Sample ID	GB-131-21.5	GB-131-25.0	GB-131-28.0	GB-131A-5.5	GB-132-2.0	GB-132-5.0	GB-132-10.0	GB-132-15.0	GB-132-20.0	GB-132-25.0	GB-132A-5.5
		Sample Date	12/04/2017	12/04/2017	12/04/2017	02/20/2018	11/13/2017	11/13/2017	11/13/2017	11/13/2017	11/13/2017	11/14/2017	02/20/2018
		Sample Depth (feet bgs)	21.5	25.0	28.0	5.5	2.0	5.0	10.0	15.0	20.0	25.0	5.5
		Sample Type	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary
Analyte	**Construction Worker Screening Level[1]**	**Commercial/Industrial Screening Level[2]**											
Total Petroleum Hydrocarbons (mg/kg)													
Diesel Range Organics	880	1,100	--	--	**720**	--	**710**	**320**	**440**	**210 J**	**250 J**	**240**	--
Gasoline Range Organics	2,800	3,900	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons (C9-C40)	880	1,100	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons-Motor Oil	32,000	140,000	--	--	**810**	--	**840**	**420**	**680**	**580 J**	**490 J**	**550**	--
Volatile Organic Compounds (mg/kg)													
1,1,1,2-Tetrachloroethane	340	18	--	--	< 0.0010	< 0.051	< 0.00094	< 0.00090	< 0.00077	< 0.00072	< 0.00070	< 0.00071	< 0.00089
1,1,1-Trichloroethane	8,800	8,900	--	--	< 0.0010	< 0.051	< 0.00094	< 0.00090	< 0.00077	< 0.00072	< 0.00070	< 0.00071	< 0.00089
1,1,2,2-Tetrachloroethane	44	2.3	--	--	< 0.0020	< 0.10	< 0.0019	< 0.0018	< 0.0015	< 0.0014	< 0.0014	< 0.0014	< 0.0018
1,1,2-Trichloroethane	5.2	4.2	--	--	< 0.0010	< 0.051	< 0.00094	< 0.00090	< 0.00077	< 0.00072	< 0.00070	< 0.00071	< 0.00089
1,1-Dichloroethane	390	17	--	--	< 0.0010	< 0.051	< 0.00094	< 0.00090	< 0.00077	< 0.00072	< 0.00070	< 0.00071	< 0.00089
1,1-Dichloroethene	390	400	--	--	< 0.0010	< 0.051	< 0.00094	< 0.00090	< 0.00077	< 0.00072	< 0.00070	< 0.00071	< 0.00089
1,1-Dichloropropane	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	--	--	--	--	< 0.0020	< 0.10	< 0.0019	< 0.0018	< 0.0015	< 0.0014	< 0.0014	< 0.0014	< 0.0018
1,2,3-Trichlorobenzene	--	310[7]	--	--	< 0.0020	**0.16**	**0.007**	< 0.0018	< 0.0015	< 0.0014	< 0.0014	< 0.0014	< 0.0018
1,2,3-Trichloropropane	--	0.021[7]	--	--	< 0.0020	< 0.10	< 0.0019	< 0.0018	< 0.0015	< 0.0014	< 0.0014	< 0.0014	< 0.0018
1,2,4-Trichlorobenzene	310	110	--	--	**0.0027**	**0.34**	**0.017**	**0.0084**	**0.0089**	**0.0018**	**0.0054**	**0.0023**	**0.0019**
1,2,4-Trimethylbenzene	--	1,800[4]	--	--	< 0.0020	< 0.10	< 0.0019	< 0.0018	< 0.0015	< 0.0014	< 0.0014	< 0.0014	< 0.0018
1,2-Dibromo-3-chloropropane (DBCP)	1.3	0.072	--	--	< 0.0050	< 0.26	< 0.0047	< 0.0045	< 0.0038	< 0.0036	< 0.0035	< 0.0035	< 0.0044
1,2-Dibromoethane (Ethylene Dibromide)	3.2	0.16	--	--	< 0.0010	< 0.051	< 0.00094	< 0.00090	< 0.00077	< 0.00072	< 0.00070	< 0.00071	< 0.00089
1,2-Dichlorobenzene	8,500	11,000	--	--	**0.0013**	< 0.051	< 0.00094	< 0.00090	< 0.00077	< 0.00072	< 0.00070	< 0.00071	< 0.00089
1,2-Dichloroethane	37	1.6	--	--	< 0.0010	< 0.051	< 0.00094	< 0.00090	< 0.00077	< 0.00072	< 0.00070	< 0.00071	< 0.00089
1,2-Dichloropropane	58	3.9	--	--	< 0.0010	< 0.051	< 0.00094	< 0.00090	< 0.00077	< 0.00072	< 0.00070	< 0.00071	< 0.00089
1,3,5-Trimethylbenzene	--	1,500[4]	--	--	< 0.0020	< 0.10	< 0.0019	< 0.0018	< 0.0015	< 0.0014	< 0.0014	< 0.0014	< 0.0018
1,3-Dichlorobenzene	--	--	--	--	**0.008**	< 0.051	< 0.00094	**0.00094**	**0.0012**	**0.0048**	< 0.00070	< 0.00071	< 0.00089
1,3-Dichloropropane	--	2,200[7]	--	--	< 0.0010	< 0.051	< 0.00094	< 0.00090	< 0.00077	< 0.00072	< 0.00070	< 0.00071	< 0.00089
1,3-Dichloropropene	29	1.2	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	310	13	--	--	**0.0016**	< 0.051	< 0.00094	< 0.00090	< 0.00077	< 0.00072	< 0.00070	< 0.00071	< 0.00089
1-Methylethyl-benzene A	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	--	--	--	--	< 0.0050	< 0.26	< 0.0047	< 0.0045	< 0.0038	< 0.0036	< 0.0035	< 0.0035	< 0.0044
2-Butanone (Methyl Ethyl Ketone)	--	190,000[4]	--	--	< 0.020	< 1.0	< 0.019	< 0.018	< 0.015	< 0.014	< 0.014	< 0.014	< 0.018
2-Chlorotoluene	--	2,600[7]	--	--	< 0.0010	< 0.051	< 0.00094	< 0.00090	< 0.00077	< 0.00072	< 0.00070	< 0.00071	< 0.00089
2-Hexanone	--	1,300[4]	--	--	< 0.020	< 1.0	< 0.019	< 0.018	< 0.015	< 0.014	< 0.014	< 0.014	< 0.018
2-Phenylbutane (sec-Butylbenzene)	--	12,000[7]	--	--	< 0.0010	< 0.051	< 0.00094	< 0.00090	< 0.00077	< 0.00072	< 0.00070	< 0.00071	< 0.00089
4-Chlorotoluene	--	2,300[7]	--	--	< 0.0010	< 0.051	< 0.00094	< 0.00090	< 0.00077	< 0.00072	< 0.00070	< 0.00071	< 0.00089
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	--	140,000[4]	--	--	< 0.020	< 1.0	< 0.019	< 0.018	< 0.015	< 0.014	< 0.014	< 0.014	< 0.018
Acetone	260,000	630,000	--	--	< 0.050	< 2.6	**0.055**	**0.056**	< 0.038	< 0.036	< 0.035	< 0.035	< 0.044
Benzene	24	1	--	--	**0.0012**	**0.072**	**0.0062**	**0.03**	**0.0042**	**0.0016**	**0.0046**	**0.0054**	**0.0071**
Bromobenzene	--	1,800[4]	--	--	< 0.0010	< 0.051	< 0.00094	< 0.00090	< 0.00077	< 0.00072	< 0.00070	< 0.00071	< 0.00089
Bromodichloromethane	47	2.3	--	--	< 0.0010	< 0.051	< 0.00094	< 0.00090	< 0.00077	< 0.00072	< 0.00070	< 0.00071	< 0.00089
Bromoform	2,200	300	--	--	< 0.0050	< 0.26	< 0.0047	< 0.0045	< 0.0038	< 0.0036	< 0.0035	< 0.0035	< 0.0044
Bromomethane (Methyl Bromide)	34	36	--	--	< 0.020	< 1.0	< 0.019	< 0.018	< 0.015	< 0.014	< 0.014	< 0.014	< 0.018
Carbon disulfide	--	3,500[4]	--	--	< 0.010	< 0.51	< 0.0094	**0.012**	< 0.0077	< 0.0072	< 0.0070	< 0.0071	< 0.0089
Carbon tetrachloride	13	0.54	--	--	< 0.0010	< 0.051	< 0.00094	< 0.00090	< 0.00077	< 0.00072	< 0.00070	< 0.00071	< 0.00089
Chlorobenzene	1,100	1,200	--	--	**0.0027**	< 0.051	< 0.00094	< 0.00090	< 0.00077	**0.00076**	< 0.00070	< 0.00071	< 0.00089
Chlorobromomethane	--	630[4]	--	--	< 0.0020	< 0.10	< 0.0019	< 0.0018	< 0.0015	< 0.0014	< 0.0014	< 0.0014	< 0.0018
Chloroethane	53,000	53,000	--	--	< 0.0020	< 0.10	< 0.0019	< 0.0018	< 0.0015	< 0.0014	< 0.0014	< 0.0014	< 0.0018
Chloroform (Trichloromethane)	32	1.3	--	--	< 0.0010	< 0.051	< 0.00094	< 0.00090	< 0.00077	< 0.00072	< 0.00070	< 0.00071	< 0.00089
Chloromethane (Methyl Chloride)	430	430	--	--	< 0.020	< 1.0	< 0.019	< 0.018	< 0.015	< 0.014	< 0.014	< 0.014	< 0.018
cis-1,2-Dichloroethene	82	90	--	--	< 0.0010	< 0.051	< 0.00094	< 0.00090	< 0.00077	< 0.00072	< 0.00070	< 0.00071	< 0.00089
cis-1,3-Dichloropropene	--	8.2[4]	--	--	< 0.0010	< 0.051	< 0.00094	< 0.00090	< 0.00077	< 0.00072	< 0.00070	< 0.00071	< 0.00089
Cyclohexanone	--	130,000[4]	--	--	< 0.050	< 2.6	< 0.047	< 0.045	< 0.038	< 0.036	< 0.035	< 0.035	< 0.044
Cymene (p-Isopropyltoluene)	--	--	--	--	< 0.0010	< 0.051	< 0.00094	< 0.00090	< 0.00077	< 0.00072	< 0.00070	< 0.00071	< 0.00089
Dibromochloromethane	290	39	--	--	< 0.0020	< 0.10	< 0.0019	< 0.0018	< 0.0015	< 0.0014	< 0.0014	< 0.0014	< 0.0018
Dibromomethane	--	99[4]	--	--	< 0.0010	< 0.051	< 0.00094	< 0.00090	< 0.00077	< 0.00072	< 0.00070	< 0.00071	< 0.00089
Dichlorodifluoromethane (CFC-12)	--	370[4]	--	--	< 0.0020	< 0.10	< 0.0019	< 0.0018	< 0.0015	< 0.0014	< 0.0014	< 0.0014	< 0.0018
Diisopropyl ether (DIPE)	--	9,400[4]	--	--	< 0.0010	< 0.051	< 0.00094	< 0.00090	< 0.00077	< 0.00072	< 0.00070	< 0.00071	< 0.00089
Ethanol	--	--	--	--	< 0.50	< 26	< 0.47	< 0.45	< 0.38	< 0.36	< 0.35	< 0.35	< 0.44
Ethylbenzene	480	22	--	--	< 0.0010	**0.07**	< 0.00094	**0.0043**	< 0.00077	< 0.00072	< 0.00070	< 0.00071	< 0.00089
Hexachlorobutadiene	310	42	--	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene (Cumene)	--	9,900[4]	--	--	**0.0035**	< 0.051	< 0.00094	**0.0012**	< 0.00077	< 0.00072	< 0.00070	**0.0012**	< 0.00089
m,p-Xylenes	2,400	2,400	--	--	< 0.0020	< 0.10	< 0.0019	< 0.0018	< 0.0015	< 0.0014	< 0.0014	< 0.0014	< 0.0018

TABLE 1
SUMMARY OF SOIL ANALYTICAL RESULTS
POTRERO POWER PLANT TANK FARM
SAN FRANCISCO, CALIFORNIA

		Location ID	**GB-131**	**GB-131**	**GB-131**	**GB-131A**	**GB-132**	**GB-132**	**GB-132**	**GB-132**	**GB-132**	**GB-132**	**GB-132A**
		Sample ID	GB-131-21.5	GB-131-25.0	GB-131-28.0	GB-131A-5.5	GB-132-2.0	GB-132-5.0	GB-132-10.0	GB-132-15.0	GB-132-20.0	GB-132-25.0	GB-132A-5.5
		Sample Date	12/04/2017	12/04/2017	12/04/2017	02/20/2018	11/13/2017	11/13/2017	11/13/2017	11/13/2017	11/13/2017	11/14/2017	02/20/2018
		Sample Depth (feet bgs)	21.5	25.0	28.0	5.5	2.0	5.0	10.0	15.0	20.0	25.0	5.5
		Sample Type	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary
Analyte	**Construction Worker Screening Level[1]**	**Commercial/Industrial Screening Level[2]**											
Methyl Tert Butyl Ether	3,700	180	--	--	< 0.0020	< 0.10	< 0.0019	< 0.0018	< 0.0015	< 0.0014	< 0.0014	< 0.0014	< 0.0018
Methylene chloride	500	25	--	--	< 0.010	< 0.51	< 0.0094	< 0.0090	< 0.0077	< 0.0072	< 0.0070	< 0.0071	< 0.0089
Naphthalene	350	14	--	--	< 0.010	**5.1**	**0.17**	**5**	< 0.0077	< 0.0072	**0.074**	< 0.0071	**0.09**
n-Butylbenzene	--	6,400[7]	--	--	< 0.0010	< 0.051	< 0.00094	< 0.00090	< 0.00077	< 0.00072	< 0.00070	< 0.00071	< 0.00089
n-Propylbenzene	--	24,000	--	--	< 0.0020	< 0.10	< 0.0019	< 0.0018	< 0.0015	< 0.0014	< 0.0014	< 0.0014	< 0.0018
o-Xylene	2,400	2,400	--	--	< 0.0010	< 0.051	**0.002**	**0.0022**	< 0.00077	< 0.00072	< 0.00070	< 0.00071	< 0.00089
Styrene	29,000	40,000	--	--	< 0.0010	< 0.051	< 0.00094	**0.0016**	< 0.00077	< 0.00072	< 0.00070	< 0.00071	< 0.00089
t-Amyl Alcohol	--	340[4]	--	--	< 0.050	< 2.6	< 0.047	< 0.045	< 0.038	< 0.036	< 0.035	< 0.035	< 0.044
Tert-Amyl Methyl Ether (TAME)	--	--	--	--	< 0.0010	< 0.051	< 0.00094	< 0.00090	< 0.00077	< 0.00072	< 0.00070	< 0.00071	< 0.00089
Tert-Butyl Alcohol (tert-Butanol)	--	--	--	--	< 0.020	< 1.0	< 0.019	< 0.018	< 0.015	< 0.014	< 0.014	< 0.014	< 0.018
Tert-Butyl Ethyl Ether (ETBE)	--	--	--	--	< 0.0010	< 0.051	< 0.00094	< 0.00090	< 0.00077	< 0.00072	< 0.00070	< 0.00071	< 0.00089
tert-Butylbenzene	--	12,000[7]	--	--	< 0.0010	< 0.051	< 0.00094	< 0.00090	< 0.00077	< 0.00072	< 0.00070	< 0.00071	< 0.00089
Tetrachloroethene	33	2.7	--	--	< 0.0010	< 0.051	< 0.00094	< 0.00090	< 0.00077	< 0.00072	< 0.00070	< 0.00071	< 0.00089
Toluene	4,100	4,600	--	--	< 0.0010	< 0.051	**0.0022**	**0.0016**	**0.0012**	< 0.00072	**0.00075**	< 0.00071	< 0.00089
trans-1,2-Dichloroethene	680	730	--	--	< 0.0010	< 0.051	< 0.00094	< 0.00090	< 0.00077	< 0.00072	< 0.00070	< 0.00071	< 0.00089
trans-1,3-Dichloropropene	--	8.2[4]	--	--	< 0.0020	< 0.10	< 0.0019	< 0.0018	< 0.0015	< 0.0014	< 0.0014	< 0.0014	< 0.0018
Trichloroethene	23	8	--	--	< 0.0020	< 0.10	< 0.0019	< 0.0018	< 0.0015	< 0.0014	< 0.0014	< 0.0014	< 0.0018
Trichlorofluoromethane (CFC-11)	--	5,400[7]	--	--	< 0.010	< 0.51	< 0.0094	< 0.0090	< 0.0077	< 0.0072	< 0.0070	< 0.0071	< 0.0089
Trifluorotrichloroethane (Freon 113)	--	28,000[4]	--	--	< 0.010	< 0.51	< 0.0094	< 0.0090	< 0.0077	< 0.0072	< 0.0070	< 0.0071	< 0.0089
Vinyl acetate	--	3,800[4]	--	--	< 0.010	< 0.51	< 0.0094	< 0.0090	< 0.0077	< 0.0072	< 0.0070	< 0.0071	< 0.0089
Vinyl chloride	3.4	0.15	--	--	< 0.0010	< 0.051	< 0.00094	< 0.00090	< 0.00077	< 0.00072	< 0.00070	< 0.00071	< 0.00089
Xylene (total)	2,400	2,400	--	--	--	--	--	--	--	--	--	--	--
Inorganic Compounds													
Asbestos (%)	--	--	--	--	--	--	**1.75**	< 0.25	**0.75**	< 0.25	< 0.25	< 0.25	--
Total Cyanide (mg/kg)	--	--	--	--	**7.8**	--	--	**1.2**	--	--	--	--	--
Total phenols (mg/kg)	--	--	--	--	--	--	--	--	--	--	--	--	--

Notes
Volatile Organic Compounds (VOCs) analyzed by EPA Method 8260B
Semi-Volatile Organic Compounds (SVOCs) analyzed by EPA Method 8270 SIM
Metals analyzed by EPA Methods 6010B/7471A
Polychlorinated Biphenyls analyzed by EPA Method 8082
Total Petroleum Hydrocarbons analyzed by EPA Method 8015B
Total Cyanide analyzed by EPA Method 9014
Asbestos analyzed by CARB 435

Soil Screening Levels:
1. Environmental Screening Levels (ESLs), Table S-1: Direct Exposure soil Screening Levels, Commercial/Industrial Worker Exposure Scenario, Most Stringent (Water Board, February 2016).
2. Environmental Screening Levels (ESLs), Table S-1: Direct Exposure soil Screening Levels, Construction Worker Exposure Scenario, Most Stringent (Water Board, February 2016).
3. Arsenic concentrations are compared to the background threshold value of 12 mg/kg developed for the adjacent Station A Area (AMEC, 2011).
4. USEPA Regional Screening Level (RSL) for industrial soil endorsed by DTSC (USEPA, November 2017).
5. 0.9 mg/kg B(a)P WQ is the 95th perecentile of the northern California ambient data set for surface soil. The range of ambient concentrations in the northern California ambient data set is non-detect to 2.8 mg/kg.
6. Due to the lack of published screening criteria, the screening levels for acenaphthene and fluoranthene were selected to screen the results for benzo(g,h,i)perylene and phenanthrene, respectively, due to the similar chemical structure.
7. DTSC Modified screening level for industrial soil (DTSC, January 2018)

B(a)P EQ were calculated using potency equivalency factors from the DTSC Preliminary Endangerment Assessment Guidance Manual
BOLD = concentration detected above the laboratory reporting limi
Orange highlight = result exceeded the referenced Construction Worker Screening Level
Green highlight = result exceeded the referenced Commercial/Industrial Screening Level

Abbreviations:
< = analyte not detected above the indicated reporting limit.
J = estimated concentration.
R = rejected result
-- = not analyzed or not applicable.
mg/kg = milligrams per kilogram
ft bgs = feet below ground surface

TABLE 1
SUMMARY OF SOIL ANALYTICAL RESULTS
POTRERO POWER PLANT TANK FARM
SAN FRANCISCO, CALIFORNIA

		Location ID	GB-133	GB-133	GB-133	GB-134	GB-134	GB-134	GB-134	GB-134	GB-134A	GB-135	GB-135
		Sample ID	GB-133-2.0	GB-133-5.0	GB-133-10.0	GB-134-2.0	GB-134-5.0	GB-134-10.0	GB-134-13.5	GB-134-15.5	GB-134A-5.0	GB-135-2.0	GB-135-5.5
		Sample Date	11/17/2017	11/17/2017	11/20/2017	11/15/2017	11/20/2017	11/21/2017	11/21/2017	11/21/2017	02/20/2018	11/17/2017	11/17/2017
		Sample Depth (feet bgs)	2.0	5.0	10.0	2.0	5.0	10.0	13.5	15.5	5.0	2.0	5.5
		Sample Type	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary
Analyte	**Construction Worker Screening Level[1]**	**Commercial/Industrial Screening Level[2]**											
Metals (mg/kg)													
Antimony	140	470	< 0.739 J	< 0.773 J	< 0.714 R	< 0.773 J	< 0.732 R	< 0.728	--	< 0.735	--	< 0.761 J	< 0.769 J
Arsenic	12[3]	12[3]	**5.81**	**2.54**	**7.97**	**5.54**	**7.54**	**6.63**	--	**3.87**	--	**3.69**	**7.13**
Barium	3,000	220,000	**72.6 J**	**19.1 J**	**58.9**	**151**	**126**	**177**	--	**3.78**	--	**74.6 J**	**88.2 J**
Beryllium	42	2,200	**0.249**	< 0.258	**0.508**	**0.282**	**0.251**	**0.29**	--	< 0.245	--	< 0.254	**0.274**
Cadmium	43	580	**0.852**	< 0.515	**0.567**	**0.573**	**0.532**	**0.511**	--	< 0.490	--	< 0.508	**0.596**
Chromium	530,000	1,800,000	**344**	**473**	**506**	**226 J**	**250**	**247**	--	**1,090**	--	**208**	**110**
Cobalt	28	350	**32.7**	**38.3**	**44.6**	**27.1**	**30.1**	**28.9**	--	**74.9**	--	**22.7**	**15**
Copper	14,000	47,000	**36.3**	**58.1**	**34.5**	**89.3**	**64.4**	**73.2**	--	**10.5**	--	**19.5**	**46.7**
Lead	160	320	**33.9**	**2.94**	**4.25**	**150**	**166**	**245**	--	**1.32**	--	**30.6**	**61.4**
Mercury	44	190	**0.71**	< 0.0794	< 0.0794	**1.57**	**8.77**	**2.16**	--	**0.091**	--	**0.0877**	**0.376**
Molybdenum	1,800	5,800	< 0.246	< 0.258	< 0.238	< 0.258	< 0.244	< 0.243	--	< 0.245	--	< 0.254	**0.688**
Nickel	86	11,000	**482**	**492**	**681**	**403**	**487**	**444**	--	**1,480**	--	**322**	**190**
Selenium	1,700	5,800	< 0.739	< 0.773	< 0.714	< 0.773	< 0.732	< 0.728	--	< 0.735	--	< 0.761	< 0.769
Silver	1,800	5,800	< 0.246	< 0.258	< 0.238	< 0.258	< 0.244	< 0.243	--	< 0.245	--	< 0.254	< 0.256
Thallium	3.5	12	**0.952**	**1.17**	< 0.714	< 0.773	< 0.732	< 0.728	--	**2.25**	--	**0.962**	**1.01**
Vanadium	470	5,800	**43.9**	**43.6**	**66.7**	**43.7**	**38.9**	**41.4**	--	**23.8**	--	**28.3**	**34.3**
Zinc	110,000	350,000	**58.9**	**36.1**	**45.3**	**138 J**	**109**	**116**	--	**12.9**	--	**35.8**	**57**
Polychlorinated Biphenyls (mg/kg)													
Aroclor-1016 (PCB-1016)	5.6	1.0	< 0.050	--	--	< 0.050	< 0.50	< 50	--	< 0.050	--	< 0.049	--
Aroclor-1221 (PCB-1221)	5.6	1.0	< 0.050	--	--	< 0.050	< 0.50	< 50	--	< 0.050	--	< 0.049	--
Aroclor-1232 (PCB-1232)	5.6	1.0	< 0.050	--	--	< 0.050	< 0.50	< 50	--	< 0.050	--	< 0.049	--
Aroclor-1242 (PCB-1242)	5.6	1.0	< 0.050	--	--	< 0.050	< 0.50	< 50	--	< 0.050	--	< 0.049	--
Aroclor-1248 (PCB-1248)	5.6	1.0	< 0.050	--	--	< 0.050	< 0.50	< 50	--	< 0.050	--	< 0.049	--
Aroclor-1254 (PCB-1254)	5.6	1.0	< 0.050	--	--	< 0.050	< 0.50	< 50	--	< 0.050	--	< 0.049	--
Aroclor-1260 (PCB-1260)	5.6	1.0	**0.45 J**	--	--	**1.4**	**3.1**	**140**	--	< 0.050	--	**0.055**	--
Aroclor-1262 (PCB-1262)	5.6	1.0	< 0.050	--	--	< 0.050	< 0.50	< 50	--	< 0.050	--	< 0.049	--
Aroclor-1268 (PCB-1268)	5.6	1.0	< 0.050	--	--	< 0.050	< 0.50	< 50	--	< 0.050	--	< 0.049	--
Semi-Volatile Organic Compounds (mg/kg)													
1-Methylnaphthalene	--	--	**0.061**	< 0.0098	< 0.0098	**4.8**	**1.6**	< 0.98	**2.2**	< 0.0099	--	**0.074**	**0.026**
2,4,6-Trichlorophenol	350	47	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	1,100	3,500	--	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	7,100	23,000	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	710	2,300	--	--	--	--	--	--	--	--	--	--	--
2,6-Dichlorophenol	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	1,800	5,800	--	--	--	--	--	--	--	--	--	--	--
2-Methylnaphthalene	670	3,000	**0.076**	< 0.0098	< 0.0098	**4.2**	**1.4**	< 0.98	< 0.10	< 0.0099	--	**0.04**	**0.036**
2-Methylphenol (o-Cresol)	--	41,000[4]	--	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	--	--	--	--	--	--	--	--	--	--	--	--	--
3&4-Methylphenol	--	--	--	--	--	--	--	--	--	--	--	--	--
3/4-Methylphenols (p/m-Cresol) A	--	41,000[4]	--	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	--	66[4]	--	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	--	--	--	--	--	--	--	--	--	--	--	--	--
Acenaphthene	10,000	45,000	**0.14**	< 0.0098	< 0.0098	**23**	**12**	**1.5**	**3.5**	**0.012**	--	**0.033**	**0.087**
Acenaphthylene	--	45,000[4]	**0.5**	< 0.0098	< 0.0098	**11**	**4.2**	**2.1**	**0.25**	< 0.0099	--	**0.65**	**0.25**
Anthracene	50,000	230,000	**0.94**	< 0.0098	< 0.0098	**15**	**9.7**	**4.1**	**3.3**	< 0.0099	--	**0.33**	**1**
Benzo(a)anthracene	16	2.9	**2.7**	< 0.0098	< 0.0098	**19**	**12**	**8.2**	**1.7**	< 0.0099	--	**1.2**	**2.4**
Benzo(a)pyrene	1.6	0.29	**3.5**	< 0.0098	< 0.0098	**45**	**27**	**13**	**2**	**0.016**	--	**1.4**	**2.6**
Benzo(A)Pyrene Equivalent (1/2 RL substituted for ND)	0.9[5]	0.9[5]	**4.68**	**0.01**	**0.01**	**55.92**	**34.55**	**17.2**	**2.53**	**0.02**	--	**1.95**	**3.38**
Benzo(b)fluoranthene	16	2.9	**2.9**	< 0.0098	< 0.0098	**26**	**18**	**8.6**	**0.86**	**0.011**	--	**1**	**1.6**
Benzo(g,h,i)perylene	10,000[6]	45,000[6]	**3**	< 0.0098	< 0.0098	**60**	**37**	**12**	**1.3**	**0.017**	--	**0.83**	**1.4**
Benzo(k)fluoranthene	150	29	**2.2**	< 0.0098	< 0.0098	**19**	**13**	**8.5**	**1**	**0.011**	--	**1.1**	**1.9**
Chrysene	1,500	260	**3**	< 0.0098	< 0.0098	**27**	**18**	**10**	**2**	**0.011**	--	**1.1**	**2.3**
Dibenz(a,h)anthracene	1.6	0.29	**0.37**	< 0.0098	< 0.0098	**3.4**	**2.3**	**1.6**	**0.18**	< 0.0099	--	**0.24**	**0.25**
Fluoranthene	6,700	30,000	**8.6**	**0.01**	< 0.0098	**120**	**62**	**29**	**4.7**	**0.029**	--	**1.8**	**4.5**
Fluorene	6,700	30,000	**0.26**	< 0.0098	< 0.0098	**6.9**	**2.2**	< 0.98	**0.66**	< 0.0099	--	**0.044**	**0.11**
Indeno(1,2,3-cd)pyrene	16	2.9	**2.2**	< 0.0098	< 0.0098	**28**	**21**	**8.3**	**0.79**	**0.011**	--	**0.74**	**1.1**
Naphthalene	350	14	**0.24**	**0.021**	**0.013**	**14**	**12**	**8**	< 0.10	**0.15**	--	**0.24**	**0.21**
Pentachlorophenol	20	4	--	--	--	--	--	--	--	--	--	--	--
Phenanthrene	6,700[6]	30,000[6]	**6.8**	< 0.0098	< 0.0098	**140**	**66**	**25**	**1.1**	**0.037**	--	**0.9**	**1.4**
Phenol	98,000	350,000	--	--	--	--	--	--	--	--	--	--	--
Pyrene	5,000	23,000	**12**	**0.015**	**0.016**	**140**	**77**	**36**	**6.8**	**0.059**	--	**2**	**6.5**

TABLE 1
SUMMARY OF SOIL ANALYTICAL RESULTS
POTRERO POWER PLANT TANK FARM
SAN FRANCISCO, CALIFORNIA

		Location ID	GB-133	GB-133	GB-133	GB-134	GB-134	GB-134	GB-134	GB-134	GB-134A	GB-135	GB-135
		Sample ID	GB-133-2.0	GB-133-5.0	GB-133-10.0	GB-134-2.0	GB-134-5.0	GB-134-10.0	GB-134-13.5	GB-134-15.5	GB-134A-5.0	GB-135-2.0	GB-135-5.5
		Sample Date	11/17/2017	11/17/2017	11/20/2017	11/15/2017	11/20/2017	11/21/2017	11/21/2017	11/21/2017	02/20/2018	11/17/2017	11/17/2017
		Sample Depth (feet bgs)	2.0	5.0	10.0	2.0	5.0	10.0	13.5	15.5	5.0	2.0	5.5
		Sample Type	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary
Analyte	**Construction Worker Screening Level[1]**	**Commercial/Industrial Screening Level[2]**											
Total Petroleum Hydrocarbons (mg/kg)													
Diesel Range Organics	880	1,100	**190**	**6**	< 5.0	**1,900**	**1,200**	**670**	--	< 5.0	**580**	**170**	**97**
Gasoline Range Organics	2,800	3,900	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons (C9-C40)	880	1,100	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons-Motor Oil	32,000	140,000	**370**	< 25	< 25	**2,400**	**1,900**	**1,000**	--	< 25	**880**	**600**	**180**
Volatile Organic Compounds (mg/kg)													
1,1,1,2-Tetrachloroethane	340	18	< 0.00070	< 0.00067	< 0.00072	< 0.050	< 0.047	< 0.00077	--	< 0.00071	< 0.00096	< 0.00099	< 0.00089
1,1,1-Trichloroethane	8,800	8,900	< 0.00070	< 0.00067	< 0.00072	< 0.050	< 0.047	< 0.00077	--	< 0.00071	< 0.00096	< 0.00099	< 0.00089
1,1,2,2-Tetrachloroethane	44	2.3	< 0.0014	< 0.0013	< 0.0014	< 0.10	< 0.094	< 0.0015	--	< 0.0014	< 0.0019	< 0.0020	< 0.0018
1,1,2-Trichloroethane	5.2	4.2	< 0.00070	< 0.00067	< 0.00072	< 0.050	< 0.047	< 0.00077	--	< 0.00071	< 0.00096	< 0.00099	< 0.00089
1,1-Dichloroethane	390	17	< 0.00070	< 0.00067	< 0.00072	< 0.050	< 0.047	< 0.00077	--	< 0.00071	< 0.00096	< 0.00099	< 0.00089
1,1-Dichloroethene	390	400	< 0.00070	< 0.00067	< 0.00072	< 0.050	< 0.047	< 0.00077	--	< 0.00071	< 0.00096	< 0.00099	< 0.00089
1,1-Dichloropropane	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	--	--	< 0.0014	< 0.0013	< 0.0014	< 0.10	< 0.094	< 0.0015	--	< 0.0014	< 0.0019	< 0.0020	< 0.0018
1,2,3-Trichlorobenzene	--	310[7]	< 0.0014	< 0.0013	< 0.0014	< 0.10	**0.16**	**0.0022**	--	< 0.0014	< 0.0019	< 0.0020	< 0.0018
1,2,3-Trichloropropane	--	0.021[7]	< 0.0014	< 0.0013	< 0.0014	< 0.10	< 0.094	< 0.0015	--	< 0.0014	< 0.0019	< 0.0020	< 0.0018
1,2,4-Trichlorobenzene	310	110	< 0.0014	< 0.0013	< 0.0014	**0.25**	**0.43**	**0.0099**	--	< 0.0014	**0.0047**	< 0.0020	< 0.0018
1,2,4-Trimethylbenzene	--	1,800[4]	< 0.0014	< 0.0013	< 0.0014	**0.27**	< 0.094	< 0.0015	--	< 0.0014	**0.003**	< 0.0020	< 0.0018
1,2-Dibromo-3-chloropropane (DBCP)	1.3	0.072	< 0.0035	< 0.0033	< 0.0036	< 0.25	< 0.23	< 0.0038	--	< 0.0035	< 0.0048	< 0.0049	< 0.0044
1,2-Dibromoethane (Ethylene Dibromide)	3.2	0.16	< 0.00070	< 0.00067	< 0.00072	< 0.050	< 0.047	< 0.00077	--	< 0.00071	< 0.00096	< 0.00099	< 0.00089
1,2-Dichlorobenzene	8,500	11,000	< 0.00070	< 0.00067	< 0.00072	< 0.050	< 0.047	< 0.00077	--	< 0.00071	< 0.00096	< 0.00099	< 0.00089
1,2-Dichloroethane	37	1.6	< 0.00070	< 0.00067	< 0.00072	< 0.050	< 0.047	< 0.00077	--	< 0.00071	< 0.00096	< 0.00099	< 0.00089
1,2-Dichloropropane	58	3.9	< 0.00070	< 0.00067	< 0.00072	< 0.050	< 0.047	< 0.00077	--	< 0.00071	< 0.00096	< 0.00099	< 0.00089
1,3,5-Trimethylbenzene	--	1,500[4]	< 0.0014	< 0.0013	< 0.0014	< 0.10	< 0.094	< 0.0015	--	< 0.0014	< 0.0019	< 0.0020	< 0.0018
1,3-Dichlorobenzene	--	--	< 0.00070	< 0.00067	< 0.00072	< 0.050	< 0.047	**0.00086**	--	< 0.00071	< 0.00096	< 0.00099	< 0.00089
1,3-Dichloropropane	--	2,200[7]	< 0.00070	< 0.00067	< 0.00072	< 0.050	< 0.047	< 0.00077	--	< 0.00071	< 0.00096	< 0.00099	< 0.00089
1,3-Dichloropropene	29	1.2	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	310	13	< 0.00070	< 0.00067	< 0.00072	< 0.050	< 0.047	< 0.00077	--	< 0.00071	< 0.00096	< 0.00099	< 0.00089
1-Methylethyl-benzene A	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	--	--	< 0.0035	< 0.0033	< 0.0036	< 0.25	< 0.23	< 0.0038	--	< 0.0035	< 0.0048	< 0.0049	< 0.0044
2-Butanone (Methyl Ethyl Ketone)	--	190,000[4]	< 0.014	< 0.013	< 0.014	< 1.0	< 0.94	< 0.015	--	< 0.014	< 0.019	< 0.020	< 0.018
2-Chlorotoluene	--	2,600[7]	< 0.00070	< 0.00067	< 0.00072	< 0.050	< 0.047	< 0.00077	--	< 0.00071	< 0.00096	< 0.00099	< 0.00089
2-Hexanone	--	1,300[4]	< 0.014	< 0.013	< 0.014	< 1.0	< 0.94	< 0.015	--	< 0.014	< 0.019	< 0.020	< 0.018
2-Phenylbutane (sec-Butylbenzene)	--	12,000[7]	< 0.00070	< 0.00067	< 0.00072	< 0.050	< 0.047	< 0.00077	--	< 0.00071	< 0.00096	< 0.00099	< 0.00089
4-Chlorotoluene	--	2,300[7]	< 0.00070	< 0.00067	< 0.00072	< 0.050	< 0.047	< 0.00077	--	< 0.00071	< 0.00096	< 0.00099	< 0.00089
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	--	140,000[4]	< 0.014	< 0.013	< 0.014	< 1.0	< 0.94	< 0.015	--	< 0.014	< 0.019	< 0.020	< 0.018
Acetone	260,000	630,000	< 0.035	< 0.033	< 0.036	< 2.5	< 2.3	< 0.038	--	< 0.035	< 0.048	**0.051**	**0.048**
Benzene	24	1	**0.00099**	< 0.00067	< 0.00072	**0.16**	**0.21**	**0.0033**	--	< 0.00071	**0.031**	**0.0024**	< 0.00089
Bromobenzene	--	1,800[4]	< 0.00070	< 0.00067	< 0.00072	< 0.050	< 0.047	< 0.00077	--	< 0.00071	< 0.00096	< 0.00099	< 0.00089
Bromodichloromethane	47	2.3	< 0.00070	< 0.00067	< 0.00072	< 0.050	< 0.047	< 0.00077	--	< 0.00071	< 0.00096	< 0.00099	< 0.00089
Bromoform	2,200	300	< 0.0035	< 0.0033	< 0.0036	< 0.25	< 0.23	< 0.0038	--	< 0.0035	< 0.0048	< 0.0049	< 0.0044
Bromomethane (Methyl Bromide)	34	36	< 0.014	< 0.013	< 0.014	< 1.0	< 0.94	< 0.015	--	< 0.014	< 0.019	< 0.020	< 0.018
Carbon disulfide	--	3,500[4]	< 0.0070	< 0.0067	< 0.0072	< 0.50	< 0.47	< 0.0077	--	< 0.0071	< 0.0096	**0.029**	< 0.0089
Carbon tetrachloride	13	0.54	< 0.00070	< 0.00067	< 0.00072	< 0.050	< 0.047	< 0.00077	--	< 0.00071	< 0.00096	< 0.00099	< 0.00089
Chlorobenzene	1,100	1,200	< 0.00070	< 0.00067	< 0.00072	< 0.050	< 0.047	< 0.00077	--	< 0.00071	< 0.00096	< 0.00099	< 0.00089
Chlorobromomethane	--	630[4]	< 0.0014	< 0.0013	< 0.0014	< 0.10	< 0.094	< 0.0015	--	< 0.0014	< 0.0019	< 0.0020	< 0.0018
Chloroethane	53,000	53,000	< 0.0014	< 0.0013	< 0.0014	< 0.10	< 0.094	< 0.0015	--	< 0.0014	< 0.0019	< 0.0020	< 0.0018
Chloroform (Trichloromethane)	32	1.3	< 0.00070	< 0.00067	< 0.00072	< 0.050	< 0.047	< 0.00077	--	< 0.00071	< 0.00096	< 0.00099	< 0.00089
Chloromethane (Methyl Chloride)	430	430	< 0.014	< 0.013	< 0.014	< 1.0	< 0.94	< 0.015	--	< 0.014	< 0.019	< 0.020	< 0.018
cis-1,2-Dichloroethene	82	90	< 0.00070	< 0.00067	< 0.00072	< 0.050	< 0.047	< 0.00077	--	< 0.00071	< 0.00096	< 0.00099	< 0.00089
cis-1,3-Dichloropropene	--	8.2[4]	< 0.00070	< 0.00067	< 0.00072	< 0.050	< 0.047	< 0.00077	--	< 0.00071	< 0.00096	< 0.00099	< 0.00089
Cyclohexanone	--	130,000[4]	< 0.035	< 0.033	< 0.036	< 2.5	< 2.3	< 0.038	--	< 0.035	< 0.048	< 0.049	< 0.044
Cymene (p-Isopropyltoluene)	--	--	< 0.00070	< 0.00067	< 0.00072	< 0.050	< 0.047	< 0.00077	--	< 0.00071	< 0.00096	< 0.00099	< 0.00089
Dibromochloromethane	290	39	< 0.0014	< 0.0013	< 0.0014	< 0.10	< 0.094	< 0.0015	--	< 0.0014	< 0.0019	< 0.0020	< 0.0018
Dibromomethane	--	99[4]	< 0.00070	< 0.00067	< 0.00072	< 0.050	< 0.047	< 0.00077	--	< 0.00071	< 0.00096	< 0.00099	< 0.00089
Dichlorodifluoromethane (CFC-12)	--	370[4]	< 0.0014	< 0.0013	< 0.0014	< 0.10	< 0.094	< 0.0015	--	< 0.0014	< 0.0019	< 0.0020	< 0.0018
Diisopropyl ether (DIPE)	--	9,400[4]	< 0.00070	< 0.00067	< 0.00072	< 0.050	< 0.047	< 0.00077	--	< 0.00071	< 0.00096	< 0.00099	< 0.00089
Ethanol	--	--	< 0.35	< 0.33	< 0.36	< 25	< 23	< 0.38	--	< 0.35	< 0.48	< 0.49	< 0.44
Ethylbenzene	480	22	< 0.00070	< 0.00067	< 0.00072	**0.63**	**0.67**	< 0.00077	--	< 0.00071	**0.043**	< 0.00099	< 0.00089
Hexachlorobutadiene	310	42	--	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene (Cumene)	--	9,900[4]	< 0.00070	< 0.00067	< 0.00072	**0.084**	**0.072**	< 0.00077	--	< 0.00071	**0.003**	< 0.00099	< 0.00089
m,p-Xylenes	2,400	2,400	< 0.0014	< 0.0013	< 0.0014	**0.16**	< 0.094	< 0.0015	--	< 0.0014	**0.0033**	< 0.0020	< 0.0018

TABLE 1
SUMMARY OF SOIL ANALYTICAL RESULTS
POTRERO POWER PLANT TANK FARM
SAN FRANCISCO, CALIFORNIA

		Location ID	**GB-133**	**GB-133**	**GB-133**	**GB-134**	**GB-134**	**GB-134**	**GB-134**	**GB-134**	**GB-134A**	**GB-135**	**GB-135**
		Sample ID	GB-133-2.0	GB-133-5.0	GB-133-10.0	GB-134-2.0	GB-134-5.0	GB-134-10.0	GB-134-13.5	GB-134-15.5	GB-134A-5.0	GB-135-2.0	GB-135-5.5
		Sample Date	11/17/2017	11/17/2017	11/20/2017	11/15/2017	11/20/2017	11/21/2017	11/21/2017	11/21/2017	02/20/2018	11/17/2017	11/17/2017
		Sample Depth (feet bgs)	2.0	5.0	10.0	2.0	5.0	10.0	13.5	15.5	5.0	2.0	5.5
		Sample Type	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary
Analyte	**Construction Worker Screening Level[1]**	**Commercial/Industrial Screening Level[2]**											
Methyl Tert Butyl Ether	3,700	180	< 0.0014	< 0.0013	< 0.0014	< 0.10	< 0.094	< 0.0015	--	< 0.0014	< 0.0019	< 0.0020	< 0.0018
Methylene chloride	500	25	< 0.0070	< 0.0067	< 0.0072	< 0.50	< 0.47	< 0.0077	--	< 0.0071	< 0.0096	< 0.0099	< 0.0089
Naphthalene	350	14	< 0.0070	< 0.0067	< 0.0072	**33**	**37**	**0.0098**	--	< 0.0071	**28**	< 0.0099	< 0.0089
n-Butylbenzene	--	6,400[7]	< 0.00070	< 0.00067	< 0.00072	**0.067**	< 0.047	< 0.00077	--	< 0.00071	< 0.00096	< 0.00099	< 0.00089
n-Propylbenzene	--	24,000	< 0.0014	< 0.0013	< 0.0014	< 0.10	< 0.094	< 0.0015	--	< 0.0014	< 0.0019	< 0.0020	< 0.0018
o-Xylene	2,400	2,400	< 0.00070	< 0.00067	< 0.00072	**0.58**	**0.31**	< 0.00077	--	< 0.00071	**0.015**	< 0.00099	< 0.00089
Styrene	29,000	40,000	< 0.00070	< 0.00067	< 0.00072	< 0.050	**0.056**	< 0.00077	--	< 0.00071	< 0.00096	< 0.00099	< 0.00089
t-Amyl Alcohol	--	340[4]	< 0.035	< 0.033	< 0.036	< 2.5	< 2.3	< 0.038	--	< 0.035	< 0.048	< 0.049	< 0.044
Tert-Amyl Methyl Ether (TAME)	--	--	< 0.00070	< 0.00067	< 0.00072	< 0.050	< 0.047	< 0.00077	--	< 0.00071	< 0.00096	< 0.00099	< 0.00089
Tert-Butyl Alcohol (tert-Butanol)	--	--	< 0.014	< 0.013	< 0.014	< 1.0	< 0.94	< 0.015	--	< 0.014	< 0.019	< 0.020	< 0.018
Tert-Butyl Ethyl Ether (ETBE)	--	--	< 0.00070	< 0.00067	< 0.00072	< 0.050	< 0.047	< 0.00077	--	< 0.00071	< 0.00096	< 0.00099	< 0.00089
tert-Butylbenzene	--	12,000[7]	< 0.00070	< 0.00067	< 0.00072	< 0.050	< 0.047	< 0.00077	--	< 0.00071	< 0.00096	< 0.00099	< 0.00089
Tetrachloroethene	33	2.7	< 0.00070	< 0.00067	< 0.00072	< 0.050	< 0.047	< 0.00077	--	< 0.00071	< 0.00096	< 0.00099	< 0.00089
Toluene	4,100	4,600	< 0.00070	< 0.00067	< 0.00072	**0.1**	**0.061**	< 0.00077	--	< 0.00071	**0.0043**	< 0.00099	< 0.00089
trans-1,2-Dichloroethene	680	730	< 0.00070	< 0.00067	< 0.00072	< 0.050	< 0.047	< 0.00077	--	< 0.00071	< 0.00096	< 0.00099	< 0.00089
trans-1,3-Dichloropropene	--	8.2[4]	< 0.0014	< 0.0013	< 0.0014	< 0.10	< 0.094	< 0.0015	--	< 0.0014	< 0.0019	< 0.0020	< 0.0018
Trichloroethene	23	8	< 0.0014	< 0.0013	< 0.0014	< 0.10	< 0.094	< 0.0015	--	< 0.0014	< 0.0019	< 0.0020	< 0.0018
Trichlorofluoromethane (CFC-11)	--	5,400[7]	< 0.0070	< 0.0067	< 0.0072	< 0.50	< 0.47	< 0.0077	--	< 0.0071	< 0.0096	< 0.0099	< 0.0089
Trifluorotrichloroethane (Freon 113)	--	28,000[4]	< 0.0070	< 0.0067	< 0.0072	< 0.50	< 0.47	< 0.0077	--	< 0.0071	< 0.0096	< 0.0099	< 0.0089
Vinyl acetate	--	3,800[4]	< 0.0070	< 0.0067	< 0.0072	< 0.50	< 0.47	< 0.0077	--	< 0.0071	< 0.0096	< 0.0099	< 0.0089
Vinyl chloride	3.4	0.15	< 0.00070	< 0.00067	< 0.00072	< 0.050	< 0.047	< 0.00077	--	< 0.00071	< 0.00096	< 0.00099	< 0.00089
Xylene (total)	2,400	2,400	--	--	--	--	--	--	--	--	--	--	--
Inorganic Compounds													
Asbestos (%)	--	--	**1**	< 0	< 0	**0.75**	< 0.25	< 0.25	--	< 0.25	--	< 0.25	**0.25**
Total Cyanide (mg/kg)	--	--	--	--	--	--	--	--	--	--	--	--	--
Total phenols (mg/kg)	--	--	--	--	--	--	--	--	--	--	--	--	--

Notes
Volatile Organic Compounds (VOCs) analyzed by EPA Method 8260B
Semi-Volatile Organic Compounds (SVOCs) analyzed by EPA Method 8270 SIM
Metals analyzed by EPA Methods 6010B/7471A
Polychlorinated Biphenyls analyzed by EPA Method 8082
Total Petroleum Hydrocarbons analyzed by EPA Method 8015B
Total Cyanide analyzed by EPA Method 9014
Asbestos analyzed by CARB 435

Soil Screening Levels:
1. Environmental Screening Levels (ESLs), Table S-1: Direct Exposure soil Screening Levels, Commercial/Industrial Worker Exposure Scenario, Most Stringent (Water Board, February 2016).
2. Environmental Screening Levels (ESLs), Table S-1: Direct Exposure soil Screening Levels, Construction Worker Exposure Scenario, Most Stringent (Water Board, February 2016).
3. Arsenic concentrations are compared to the background threshold value of 12 mg/kg developed for the adjacent Station A Area (AMEC, 2011).
4. USEPA Regional Screening Level (RSL) for industrial soil endorsed by DTSC (USEPA, November 2017).
5. 0.9 mg/kg B(a)P WQ is the 95th perecentile of the northern California ambient data set for surface soil. The range of ambient concentrations in the northern California ambient data set is non-detect to 2.8 mg/kg.
6. Due to the lack of published screening criteria, the screening levels for acenaphthene and fluoranthene were selected to screen the results for benzo(g,h,i)perylene and phenanthrene, respectively, due to the similar chemical structure.
7. DTSC Modified screening level for industrial soil (DTSC, January 2018)

B(a)P EQ were calculated using potency equivalency factors from the DTSC Preliminary Endangerment Assessment Guidance Manual
BOLD = concentration detected above the laboratory reporting limi
Orange highlight = result exceeded the referenced Construction Worker Screening Level
Green highlight = result exceeded the referenced Commercial/Industrial Screening Level

Abbreviations:
< = analyte not detected above the indicated reporting limit.
J = estimated concentration.
R = rejected result
-- = not analyzed or not applicable.
mg/kg = milligrams per kilogram
ft bgs = feet below ground surface

TABLE 1
SUMMARY OF SOIL ANALYTICAL RESULTS
POTRERO POWER PLANT TANK FARM
SAN FRANCISCO, CALIFORNIA

		Location ID	GB-135	GB-135	GB-135	GB-136	GB-136	GB-136	GB-136	GB-136	GB-136	GB-136	GB-137
		Sample ID	GB-135-10.5	GB-135-14.5	GB-135-19.0	GB-136-0.5	GB-136-2.0	GB-136-5.0	GB-136-6.0	GB-136-8.5	GB-136-10.0	GB-136-12.0	GB-137-2.0
		Sample Date	11/20/2017	11/20/2017	11/20/2017	11/13/2017	11/13/2017	11/13/2017	11/13/2017	11/13/2017	11/13/2017	11/13/2017	11/15/2017
		Sample Depth (feet bgs)	10.5	14.5	19.0	0.5	2.0	5.0	6.0	8.5	10.0	12.0	2.0
		Sample Type	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary
Analyte	**Construction Worker Screening Level[1]**	**Commercial/Industrial Screening Level[2]**											
Metals (mg/kg)													
Antimony	140	470	< 0.739 R	< 0.721 R	< 0.721 R	--	< 0.754 J	< 0.761 J	--	--	< 0.754 J	--	< 0.739 J
Arsenic	12[3]	12[3]	**5.24**	**6.69**	**6.31**	--	**5.28**	**12.6**	--	--	**2.52**	--	**1.34**
Barium	3,000	220,000	**83**	**76.5**	**29.4**	--	**154**	**150**	--	--	**13.5**	--	**137**
Beryllium	42	2,200	**0.273**	**0.254**	< 0.240	--	**0.336**	**0.331**	--	--	< 0.251	--	< 0.246
Cadmium	43	580	< 0.493	< 0.481	< 0.481	--	**0.503**	< 0.508	--	--	< 0.503	--	< 0.493
Chromium	530,000	1,800,000	**359**	**416**	**320**	--	**222**	**202**	--	--	**578**	--	**16.9 J**
Cobalt	28	350	**36.2**	**44.7**	**39.4**	--	**31.4**	**29.5**	--	--	**59.9**	--	**7.48**
Copper	14,000	47,000	**37.4**	**39.1**	**62.3**	--	**45.2**	**42.3**	--	--	**23.4**	--	**5.66**
Lead	160	320	**126**	**130**	**34.2**	**23.9**	**87.9**	**186**	--	--	**1.36**	--	**7.65**
Mercury	44	190	**0.401**	**0.216**	**0.45**	--	**0.812**	**8.21**	--	--	< 0.0794	--	< 0.0820
Molybdenum	1,800	5,800	< 0.246	< 0.240	< 0.240	--	< 0.251	**0.292**	--	--	< 0.251	--	< 0.246
Nickel	86	11,000	**640**	**790**	**670**	--	**422**	**440**	--	--	**1,100**	--	**19.1**
Selenium	1,700	5,800	< 0.739	< 0.721	< 0.721	--	< 0.754	< 0.761	--	--	< 0.754	--	< 0.739
Silver	1,800	5,800	< 0.246	< 0.240	< 0.240	--	< 0.251	< 0.254	--	--	< 0.251	--	< 0.246
Thallium	3.5	12	**1.42**	**1.08**	**0.956**	--	< 0.754	< 0.761	--	--	**1.09**	--	< 0.739
Vanadium	470	5,800	**32.8**	**35**	**33.1**	--	**44.8**	**47.9**	--	--	**45.1**	--	**29.6**
Zinc	110,000	350,000	**56.4**	**78.4**	**48**	--	**259**	**112**	--	--	**30.1**	--	**56.8 J**
Polychlorinated Biphenyls (mg/kg)													
Aroclor-1016 (PCB-1016)	5.6	1.0	--	--	--	< 0.050	< 0.50	< 5.0	--	--	< 0.050	--	< 0.049
Aroclor-1221 (PCB-1221)	5.6	1.0	--	--	--	< 0.050	< 0.50	< 5.0	--	--	< 0.050	--	< 0.049
Aroclor-1232 (PCB-1232)	5.6	1.0	--	--	--	< 0.050	< 0.50	< 5.0	--	--	< 0.050	--	< 0.049
Aroclor-1242 (PCB-1242)	5.6	1.0	--	--	--	< 0.050	< 0.50	< 5.0	--	--	< 0.050	--	< 0.049
Aroclor-1248 (PCB-1248)	5.6	1.0	--	--	--	< 0.050	< 0.50	< 5.0	--	--	< 0.050	--	< 0.049
Aroclor-1254 (PCB-1254)	5.6	1.0	--	--	--	< 0.050	< 0.50	< 5.0	--	--	< 0.050	--	< 0.049
Aroclor-1260 (PCB-1260)	5.6	1.0	--	--	--	< 0.050	**1.1**	**57**	--	--	< 0.050	--	**0.11**
Aroclor-1262 (PCB-1262)	5.6	1.0	--	--	--	< 0.050	< 0.50	< 5.0	--	--	< 0.050	--	< 0.049
Aroclor-1268 (PCB-1268)	5.6	1.0	--	--	--	< 0.050	< 0.50	< 5.0	--	--	< 0.050	--	< 0.049
Semi-Volatile Organic Compounds (mg/kg)													
1-Methylnaphthalene	--	--	**1.6**	**0.41**	**2**	--	**0.57**	< 0.098	--	--	< 0.0099	--	< 0.0099
2,4,6-Trichlorophenol	350	47	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	1,100	3,500	--	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	7,100	23,000	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	710	2,300	--	--	--	--	--	--	--	--	--	--	--
2,6-Dichlorophenol	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	1,800	5,800	--	--	--	--	--	--	--	--	--	--	--
2-Methylnaphthalene	670	3,000	**0.93**	**0.13**	< 0.099	--	**0.73**	< 0.098	--	--	< 0.0099	--	< 0.0099
2-Methylphenol (o-Cresol)	--	41,000[4]	--	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	--	--	--	--	--	--	--	--	--	--	--	--	--
3&4-Methylphenol	--	--	--	--	--	--	--	--	--	--	--	--	--
3/4-Methylphenols (p/m-Cresol) A	--	41,000[4]	--	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	--	66[4]	--	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	--	--	--	--	--	--	--	--	--	--	--	--	--
Acenaphthene	10,000	45,000	**0.65**	**0.13**	**4.7**	--	**0.96**	**0.34**	--	--	< 0.0099	--	< 0.0099
Acenaphthylene	--	45,000[4]	**2**	**0.53**	**0.74**	--	**1.9**	**0.46**	--	--	< 0.0099	--	< 0.0099
Anthracene	50,000	230,000	**4**	**1.4**	**4.6**	--	**2.3**	**0.38**	--	--	< 0.0099	--	< 0.0099
Benzo(a)anthracene	16	2.9	**4.8**	**3.5**	**3.7**	--	**4.9**	**1.5**	--	--	**0.017**	--	< 0.0099
Benzo(a)pyrene	1.6	0.29	**4.8**	**3.5**	**5**	--	**7.4**	**2.5**	--	--	**0.024**	--	**0.016**
Benzo(A)Pyrene Equivalent (1/2 RL substituted for ND)	0.9[5]	0.9[5]	**6.38**	**4.7**	**6.41**	--	**9.73**	**3.26**	--	--	**0.03**	--	**0.02**
Benzo(b)fluoranthene	16	2.9	**3**	**2.1**	**2.7**	--	**4**	**1.6**	--	--	**0.013**	--	**0.011**
Benzo(g,h,i)perylene	10,000[6]	45,000[6]	**2**	**1.7**	**5.2**	--	**8**	**2.9**	--	--	**0.034**	--	**0.025**
Benzo(k)fluoranthene	150	29	**3.9**	**2.8**	**2.6**	--	**4.8**	**1.5**	--	--	**0.016**	--	< 0.0099
Chrysene	1,500	260	**4.5**	**3.4**	**4.5**	--	**6.8**	**1.7**	--	--	**0.018**	--	**0.0099**
Dibenz(a,h)anthracene	1.6	0.29	**0.59**	**0.47**	**0.45**	--	**0.93**	**0.26**	--	--	< 0.0099	--	< 0.0099
Fluoranthene	6,700	30,000	**11**	**5.4**	**12**	--	**17**	**4**	--	--	**0.037**	--	**0.02**
Fluorene	6,700	30,000	**2.8**	**0.37**	**1.1**	--	**1.5**	**0.11**	--	--	< 0.0099	--	< 0.0099
Indeno(1,2,3-cd)pyrene	16	2.9	**1.7**	**1.4**	**2.9**	--	**4.6**	**1.7**	--	--	**0.018**	--	**0.014**
Naphthalene	350	14	**4**	**0.68**	**0.34**	--	**2.2**	**0.11**	--	--	< 0.0099	--	< 0.0099
Pentachlorophenol	20	4	--	--	--	--	--	--	--	--	--	--	--
Phenanthrene	6,700[6]	30,000[6]	**11**	**2.2**	**18**	--	**17**	**2**	--	--	**0.032**	--	**0.018**
Phenol	98,000	350,000	--	--	--	--	--	--	--	--	--	--	--
Pyrene	5,000	23,000	**11**	**8.6**	**18**	--	**22**	**7.5**	--	--	**0.056**	--	**0.044**

TABLE 1
SUMMARY OF SOIL ANALYTICAL RESULTS
POTRERO POWER PLANT TANK FARM
SAN FRANCISCO, CALIFORNIA

		Location ID	GB-135	GB-135	GB-135	GB-136	GB-136	GB-136	GB-136	GB-136	GB-136	GB-136	GB-137
		Sample ID	GB-135-10.5	GB-135-14.5	GB-135-19.0	GB-136-0.5	GB-136-2.0	GB-136-5.0	GB-136-6.0	GB-136-8.5	GB-136-10.0	GB-136-12.0	GB-137-2.0
		Sample Date	11/20/2017	11/20/2017	11/20/2017	11/13/2017	11/13/2017	11/13/2017	11/13/2017	11/13/2017	11/13/2017	11/13/2017	11/15/2017
		Sample Depth (feet bgs)	10.5	14.5	19.0	0.5	2.0	5.0	6.0	8.5	10.0	12.0	2.0
		Sample Type	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary
Analyte	**Construction Worker Screening Level[1]**	**Commercial/Industrial Screening Level[2]**											
Total Petroleum Hydrocarbons (mg/kg)													
Diesel Range Organics	880	1,100	**190**	**150**	**140**	--	**320**	**480**	--	--	< 5.0	--	**11**
Gasoline Range Organics	2,800	3,900	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons (C9-C40)	880	1,100	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons-Motor Oil	32,000	140,000	**270**	**250**	**200**	--	**520**	**640**	--	--	< 25	--	< 25
Volatile Organic Compounds (mg/kg)													
1,1,1,2-Tetrachloroethane	340	18	< 0.00096	< 0.00076	< 0.00070	--	< 0.00076	< 0.00085	--	--	< 0.00082	--	< 0.00082
1,1,1-Trichloroethane	8,800	8,900	< 0.00096	< 0.00076	< 0.00070	--	< 0.00076	< 0.00085	--	--	< 0.00082	--	< 0.00082
1,1,2,2-Tetrachloroethane	44	2.3	< 0.0019	< 0.0015	< 0.0014	--	< 0.0015	< 0.0017	--	--	< 0.0016	--	< 0.0016
1,1,2-Trichloroethane	5.2	4.2	< 0.00096	< 0.00076	< 0.00070	--	< 0.00076	< 0.00085	--	--	< 0.00082	--	< 0.00082
1,1-Dichloroethane	390	17	< 0.00096	< 0.00076	< 0.00070	--	< 0.00076	< 0.00085	--	--	< 0.00082	--	< 0.00082
1,1-Dichloroethene	390	400	< 0.00096	< 0.00076	< 0.00070	--	< 0.00076	< 0.00085	--	--	< 0.00082	--	< 0.00082
1,1-Dichloropropane	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	--	--	< 0.0019	< 0.0015	< 0.0014	--	< 0.0015	< 0.0017	--	--	< 0.0016	--	< 0.0016
1,2,3-Trichlorobenzene	--	310[7]	< 0.0019	< 0.0015	< 0.0014	--	< 0.0015	< 0.0017	--	--	< 0.0016	--	< 0.0016
1,2,3-Trichloropropane	--	0.021[7]	< 0.0019	< 0.0015	< 0.0014	--	< 0.0015	< 0.0017	--	--	< 0.0016	--	< 0.0016
1,2,4-Trichlorobenzene	310	110	< 0.0019	< 0.0015	< 0.0014	--	< 0.0015	**0.0051**	--	--	< 0.0016	--	< 0.0016
1,2,4-Trimethylbenzene	--	1,800[4]	< 0.0019	< 0.0015	< 0.0014	--	< 0.0015	< 0.0017	--	--	< 0.0016	--	< 0.0016
1,2-Dibromo-3-chloropropane (DBCP)	1.3	0.072	< 0.0048	< 0.0038	< 0.0035	--	< 0.0038	< 0.0042	--	--	< 0.0041	--	< 0.0041
1,2-Dibromoethane (Ethylene Dibromide)	3.2	0.16	< 0.00096	< 0.00076	< 0.00070	--	< 0.00076	< 0.00085	--	--	< 0.00082	--	< 0.00082
1,2-Dichlorobenzene	8,500	11,000	< 0.00096	< 0.00076	< 0.00070	--	< 0.00076	< 0.00085	--	--	< 0.00082	--	< 0.00082
1,2-Dichloroethane	37	1.6	< 0.00096	< 0.00076	< 0.00070	--	< 0.00076	< 0.00085	--	--	< 0.00082	--	< 0.00082
1,2-Dichloropropane	58	3.9	< 0.00096	< 0.00076	< 0.00070	--	< 0.00076	< 0.00085	--	--	< 0.00082	--	< 0.00082
1,3,5-Trimethylbenzene	--	1,500[4]	< 0.0019	< 0.0015	< 0.0014	--	< 0.0015	< 0.0017	--	--	< 0.0016	--	< 0.0016
1,3-Dichlorobenzene	--	--	< 0.00096	< 0.00076	< 0.00070	--	< 0.00076	**0.015**	--	--	< 0.00082	--	< 0.00082
1,3-Dichloropropane	--	2,200[7]	< 0.00096	< 0.00076	< 0.00070	--	< 0.00076	< 0.00085	--	--	< 0.00082	--	< 0.00082
1,3-Dichloropropene	29	1.2	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	310	13	< 0.00096	< 0.00076	< 0.00070	--	< 0.00076	**0.017**	--	--	< 0.00082	--	< 0.00082
1-Methylethyl-benzene A	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	--	--	< 0.0048	< 0.0038	< 0.0035	--	< 0.0038	< 0.0042	--	--	< 0.0041	--	< 0.0041
2-Butanone (Methyl Ethyl Ketone)	--	190,000[4]	< 0.019	< 0.015	< 0.014	--	< 0.015	< 0.017	--	--	< 0.016	--	< 0.016
2-Chlorotoluene	--	2,600[7]	< 0.00096	< 0.00076	< 0.00070	--	< 0.00076	< 0.00085	--	--	< 0.00082	--	< 0.00082
2-Hexanone	--	1,300[4]	< 0.019	< 0.015	< 0.014	--	< 0.015	< 0.017	--	--	< 0.016	--	< 0.016
2-Phenylbutane (sec-Butylbenzene)	--	12,000[7]	< 0.00096	< 0.00076	< 0.00070	--	< 0.00076	< 0.00085	--	--	< 0.00082	--	< 0.00082
4-Chlorotoluene	--	2,300[7]	< 0.00096	< 0.00076	< 0.00070	--	< 0.00076	< 0.00085	--	--	< 0.00082	--	< 0.00082
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	--	140,000[4]	< 0.019	< 0.015	< 0.014	--	< 0.015	< 0.017	--	--	< 0.016	--	< 0.016
Acetone	260,000	630,000	< 0.048	**0.041**	< 0.035	--	**0.041**	**0.045**	--	--	< 0.041	--	< 0.041
Benzene	24	1	**0.0026**	**0.001**	**0.00096**	--	**0.0027**	**0.0043**	--	--	< 0.00082	--	< 0.00082
Bromobenzene	--	1,800[4]	< 0.00096	< 0.00076	< 0.00070	--	< 0.00076	< 0.00085	--	--	< 0.00082	--	< 0.00082
Bromodichloromethane	47	2.3	< 0.00096	< 0.00076	< 0.00070	--	< 0.00076	< 0.00085	--	--	< 0.00082	--	< 0.00082
Bromoform	2,200	300	< 0.0048	< 0.0038	< 0.0035	--	< 0.0038	< 0.0042	--	--	< 0.0041	--	< 0.0041
Bromomethane (Methyl Bromide)	34	36	< 0.019	< 0.015	< 0.014	--	< 0.015	< 0.017	--	--	< 0.016	--	< 0.016
Carbon disulfide	--	3,500[4]	**0.011**	< 0.0076	< 0.0070	--	< 0.0076	< 0.0085	--	--	< 0.0082	--	< 0.0082
Carbon tetrachloride	13	0.54	< 0.00096	< 0.00076	< 0.00070	--	< 0.00076	< 0.00085	--	--	< 0.00082	--	< 0.00082
Chlorobenzene	1,100	1,200	< 0.00096	< 0.00076	< 0.00070	--	< 0.00076	< 0.00085	--	--	< 0.00082	--	< 0.00082
Chlorobromomethane	--	630[4]	< 0.0019	< 0.0015	< 0.0014	--	< 0.0015	< 0.0017	--	--	< 0.0016	--	< 0.0016
Chloroethane	53,000	53,000	< 0.0019	< 0.0015	< 0.0014	--	< 0.0015	< 0.0017	--	--	< 0.0016	--	< 0.0016
Chloroform (Trichloromethane)	32	1.3	< 0.00096	< 0.00076	< 0.00070	--	< 0.00076	< 0.00085	--	--	< 0.00082	--	< 0.00082
Chloromethane (Methyl Chloride)	430	430	< 0.019	< 0.015	< 0.014	--	< 0.015	< 0.017	--	--	< 0.016	--	< 0.016
cis-1,2-Dichloroethene	82	90	< 0.00096	< 0.00076	< 0.00070	--	< 0.00076	< 0.00085	--	--	< 0.00082	--	< 0.00082
cis-1,3-Dichloropropene	--	8.2[4]	< 0.00096	< 0.00076	< 0.00070	--	< 0.00076	< 0.00085	--	--	< 0.00082	--	< 0.00082
Cyclohexanone	--	130,000[4]	< 0.048	< 0.038	< 0.035	--	< 0.038	< 0.042	--	--	< 0.041	--	< 0.041
Cymene (p-Isopropyltoluene)	--	--	< 0.00096	< 0.00076	< 0.00070	--	< 0.00076	< 0.00085	--	--	< 0.00082	--	< 0.00082
Dibromochloromethane	290	39	< 0.0019	< 0.0015	< 0.0014	--	< 0.0015	< 0.0017	--	--	< 0.0016	--	< 0.0016
Dibromomethane	--	99[4]	< 0.00096	< 0.00076	< 0.00070	--	< 0.00076	< 0.00085	--	--	< 0.00082	--	< 0.00082
Dichlorodifluoromethane (CFC-12)	--	370[4]	< 0.0019	< 0.0015	< 0.0014	--	< 0.0015	< 0.0017	--	--	< 0.0016	--	< 0.0016
Diisopropyl ether (DIPE)	--	9,400[4]	< 0.00096	< 0.00076	< 0.00070	--	< 0.00076	< 0.00085	--	--	< 0.00082	--	< 0.00082
Ethanol	--	--	< 0.48	< 0.38	< 0.35	--	< 0.38	< 0.42	--	--	< 0.41	--	< 0.41
Ethylbenzene	480	22	< 0.00096	< 0.00076	< 0.00070	--	< 0.00076	< 0.00085	--	--	< 0.00082	--	< 0.00082
Hexachlorobutadiene	310	42	--	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene (Cumene)	--	9,900[4]	< 0.00096	< 0.00076	< 0.00070	--	< 0.00076	< 0.00085	--	--	< 0.00082	--	< 0.00082
m,p-Xylenes	2,400	2,400	< 0.0019	< 0.0015	< 0.0014	--	< 0.0015	< 0.0017	--	--	< 0.0016	--	< 0.0016

TABLE 1
SUMMARY OF SOIL ANALYTICAL RESULTS
POTRERO POWER PLANT TANK FARM
SAN FRANCISCO, CALIFORNIA

		Location ID	**GB-135**	**GB-135**	**GB-135**	**GB-136**	**GB-136**	**GB-136**	**GB-136**	**GB-136**	**GB-136**	**GB-136**	**GB-137**
		Sample ID	GB-135-10.5	GB-135-14.5	GB-135-19.0	GB-136-0.5	GB-136-2.0	GB-136-5.0	GB-136-6.0	GB-136-8.5	GB-136-10.0	GB-136-12.0	GB-137-2.0
		Sample Date	11/20/2017	11/20/2017	11/20/2017	11/13/2017	11/13/2017	11/13/2017	11/13/2017	11/13/2017	11/13/2017	11/13/2017	11/15/2017
		Sample Depth (feet bgs)	10.5	14.5	19.0	0.5	2.0	5.0	6.0	8.5	10.0	12.0	2.0
		Sample Type	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary
Analyte	**Construction Worker Screening Level[1]**	**Commercial/Industrial Screening Level[2]**											
Methyl Tert Butyl Ether	3,700	180	< 0.0019	< 0.0015	< 0.0014	--	< 0.0015	< 0.0017	--	--	< 0.0016	--	< 0.0016
Methylene chloride	500	25	< 0.0096	< 0.0076	< 0.0070	--	< 0.0076	< 0.0085	--	--	< 0.0082	--	< 0.0082
Naphthalene	350	14	**0.042**	**0.02**	< 0.0070	--	**0.021**	< 0.0085	--	--	< 0.0082	--	< 0.0082
n-Butylbenzene	--	6,400[7]	< 0.00096	< 0.00076	< 0.00070	--	< 0.00076	< 0.00085	--	--	< 0.00082	--	< 0.00082
n-Propylbenzene	--	24,000	< 0.0019	< 0.0015	< 0.0014	--	< 0.0015	< 0.0017	--	--	< 0.0016	--	< 0.0016
o-Xylene	2,400	2,400	< 0.00096	< 0.00076	< 0.00070	--	< 0.00076	< 0.00085	--	--	< 0.00082	--	< 0.00082
Styrene	29,000	40,000	< 0.00096	< 0.00076	< 0.00070	--	< 0.00076	< 0.00085	--	--	< 0.00082	--	< 0.00082
t-Amyl Alcohol	--	340[4]	< 0.048	< 0.038	< 0.035	--	< 0.038	< 0.042	--	--	< 0.041	--	< 0.041
Tert-Amyl Methyl Ether (TAME)	--	--	< 0.00096	< 0.00076	< 0.00070	--	< 0.00076	< 0.00085	--	--	< 0.00082	--	< 0.00082
Tert-Butyl Alcohol (tert-Butanol)	--	--	< 0.019	< 0.015	< 0.014	--	< 0.015	< 0.017	--	--	< 0.016	--	< 0.016
Tert-Butyl Ethyl Ether (ETBE)	--	--	< 0.00096	< 0.00076	< 0.00070	--	< 0.00076	< 0.00085	--	--	< 0.00082	--	< 0.00082
tert-Butylbenzene	--	12,000[7]	< 0.00096	< 0.00076	< 0.00070	--	< 0.00076	< 0.00085	--	--	< 0.00082	--	< 0.00082
Tetrachloroethene	33	2.7	< 0.00096	< 0.00076	< 0.00070	--	< 0.00076	< 0.00085	--	--	< 0.00082	--	< 0.00082
Toluene	4,100	4,600	< 0.00096	< 0.00076	< 0.00070	--	< 0.00076	**0.00098**	--	--	< 0.00082	--	< 0.00082
trans-1,2-Dichloroethene	680	730	< 0.00096	< 0.00076	< 0.00070	--	< 0.00076	< 0.00085	--	--	< 0.00082	--	< 0.00082
trans-1,3-Dichloropropene	--	8.2[4]	< 0.0019	< 0.0015	< 0.0014	--	< 0.0015	< 0.0017	--	--	< 0.0016	--	< 0.0016
Trichloroethene	23	8	< 0.0019	< 0.0015	< 0.0014	--	< 0.0015	< 0.0017	--	--	< 0.0016	--	< 0.0016
Trichlorofluoromethane (CFC-11)	--	5,400[7]	< 0.0096	< 0.0076	< 0.0070	--	< 0.0076	< 0.0085	--	--	< 0.0082	--	< 0.0082
Trifluorotrichloroethane (Freon 113)	--	28,000[4]	< 0.0096	< 0.0076	< 0.0070	--	< 0.0076	< 0.0085	--	--	< 0.0082	--	< 0.0082
Vinyl acetate	--	3,800[4]	< 0.0096	< 0.0076	< 0.0070	--	< 0.0076	< 0.0085	--	--	< 0.0082	--	< 0.0082
Vinyl chloride	3.4	0.15	< 0.00096	< 0.00076	< 0.00070	--	< 0.00076	< 0.00085	--	--	< 0.00082	--	< 0.00082
Xylene (total)	2,400	2,400	--	--	--	--	--	--	--	--	--	--	--
Inorganic Compounds													
Asbestos (%)	--	--	**0.5**	**0.25**	**0.25**	--	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0
Total Cyanide (mg/kg)	--	--	**14**	--	--	--	--	--	--	--	--	--	--
Total phenols (mg/kg)	--	--	--	--	--	--	--	--	--	--	--	--	--

Notes
Volatile Organic Compounds (VOCs) analyzed by EPA Method 8260B
Semi-Volatile Organic Compounds (SVOCs) analyzed by EPA Method 8270 SIM
Metals analyzed by EPA Methods 6010B/7471A
Polychlorinated Biphenyls analyzed by EPA Method 8082
Total Petroleum Hydrocarbons analyzed by EPA Method 8015B
Total Cyanide analyzed by EPA Method 9014
Asbestos analyzed by CARB 435

Soil Screening Levels:
1. Environmental Screening Levels (ESLs), Table S-1: Direct Exposure soil Screening Levels, Commercial/Industrial Worker Exposure Scenario, Most Stringent (Water Board, February 2016).
2. Environmental Screening Levels (ESLs), Table S-1: Direct Exposure soil Screening Levels, Construction Worker Exposure Scenario, Most Stringent (Water Board, February 2016).
3. Arsenic concentrations are compared to the background threshold value of 12 mg/kg developed for the adjacent Station A Area (AMEC, 2011).
4. USEPA Regional Screening Level (RSL) for industrial soil endorsed by DTSC (USEPA, November 2017).
5. 0.9 mg/kg B(a)P WQ is the 95th perecentile of the northern California ambient data set for surface soil. The range of ambient concentrations in the northern California ambient data set is non-detect to 2.8 mg/kg.
6. Due to the lack of published screening criteria, the screening levels for acenaphthene and fluoranthene were selected to screen the results for benzo(g,h,i)perylene and phenanthrene, respectively, due to the similar chemical structure.
7. DTSC Modified screening level for industrial soil (DTSC, January 2018)

B(a)P EQ were calculated using potency equivalency factors from the DTSC Preliminary Endangerment Assessment Guidance Manual
BOLD = concentration detected above the laboratory reporting limi
Orange highlight = result exceeded the referenced Construction Worker Screening Level
Green highlight = result exceeded the referenced Commercial/Industrial Screening Level

Abbreviations:
< = analyte not detected above the indicated reporting limit.
J = estimated concentration.
R = rejected result
-- = not analyzed or not applicable.
mg/kg = milligrams per kilogram
ft bgs = feet below ground surface

TABLE 1
SUMMARY OF SOIL ANALYTICAL RESULTS
POTRERO POWER PLANT TANK FARM
SAN FRANCISCO, CALIFORNIA

		Location ID	GB-137	GB-137	GB-138	GB-138A	GB-139	GB-139	GB-139	GB-140	GB-140	GB-140	GB-140
		Sample ID	GB-137-5.0	GB-137-9.0	GB-138-2.0	GB-138A-5.0	GB-139-3.0	GB-139-5.0	GB-139-10.0	GB-140-2.0	GB-140-4.75	GB-140-0.5	GB-140-10.0
		Sample Date	12/07/2017	12/07/2017	11/09/2017	01/02/2018	11/15/2017	11/15/2017	11/16/2017	11/09/2017	11/09/2017	11/10/2017	12/06/2017
		Sample Depth (feet bgs)	5.0	9.0	2.0	5.0	3.0	5.0	10.0	2.0	4.75	0.5	10.0
		Sample Type	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary
Analyte	**Construction Worker Screening Level[1]**	**Commercial/Industrial Screening Level[2]**											
Metals (mg/kg)													
Antimony	140	470	< 0.781	< 0.765	< 0.773 J	< 0.750 R	< 0.750 J	< 0.746 J	< 0.739 J	< 0.725 J	< 0.728 J	--	< 0.718 J
Arsenic	12[3]	12[3]	**4.54**	**7.88**	**3.83**	**1.52**	**4.65**	**1.7**	**2.85**	**3.63**	**3.02**	--	**2.18**
Barium	3,000	220,000	**35.4**	**56.6**	**126**	**73.3**	**288**	**142**	**128**	**63.7**	**122**	--	**53.7**
Beryllium	42	2,200	< 0.260	**0.535**	**0.403**	**0.333**	**0.577**	**0.435**	**0.378**	**0.263**	**0.444**	--	< 0.239
Cadmium	43	580	< 0.521	**0.797**	< 0.515	< 0.500	**1.12**	**0.599**	**0.585**	< 0.483	< 0.485	--	< 0.478
Chromium	530,000	1,800,000	**1,000**	**510**	**57.2 J**	**343**	**155**	**204**	**195**	**58.1 J**	**69.4 J**	--	**67.6**
Cobalt	28	350	**96.4**	**45**	**14**	**42.4**	**35.5**	**31.2**	**28.9**	**13.3**	**15**	--	**11.6**
Copper	14,000	47,000	**22**	**188**	**23.5**	**35.9**	**47.4**	**28.6**	**25.5**	**20.3**	**22.9**	--	**13.7**
Lead	160	320	**81.9**	**4.94**	**35.2**	**9.94**	**39.8**	**4.75**	**5.48**	**13.1**	**46.7**	**6.55**	**20.8 J**
Mercury	44	190	**0.422**	**0.128**	**0.153**	< 0.0806	**0.223**	< 0.0847	< 0.0820	**0.163**	**0.153**	--	**0.0875**
Molybdenum	1,800	5,800	< 0.260	< 0.255	< 0.258	< 0.250	< 0.250	< 0.249	< 0.246	**0.751**	< 0.243	--	**0.243**
Nickel	86	11,000	**1,490**	**744**	**96.2**	**614**	**183**	**303**	**284**	**123**	**120**	--	**71.1**
Selenium	1,700	5,800	< 0.781	< 0.765	< 0.773	< 0.750 J	< 0.750	< 0.746	< 0.739	< 0.725	< 0.728	--	< 0.718
Silver	1,800	5,800	< 0.260	< 0.255	< 0.258	< 0.250	< 0.250	< 0.249	< 0.246	< 0.242	< 0.243	--	< 0.239
Thallium	3.5	12	**1.52**	**1.67**	< 0.773	< 0.750	**1.4**	**0.78**	< 0.739	< 0.725	< 0.728	--	< 0.718
Vanadium	470	5,800	**19.4**	**96.1**	**37.4**	**51.8**	**138**	**68.2**	**57.7**	**30.8**	**43.4**	--	**47.5**
Zinc	110,000	350,000	**16.4**	**52.9**	**76**	**43.3**	**62.7**	**36.3**	**35.1**	**61.2**	**67.2**	--	**43.5 J**
Polychlorinated Biphenyls (mg/kg)													
Aroclor-1016 (PCB-1016)	5.6	1.0	--	--	< 0.050	--	< 0.050	--	--	< 0.050	--	< 0.050	--
Aroclor-1221 (PCB-1221)	5.6	1.0	--	--	< 0.050	--	< 0.050	--	--	< 0.050	--	< 0.050	--
Aroclor-1232 (PCB-1232)	5.6	1.0	--	--	< 0.050	--	< 0.050	--	--	< 0.050	--	< 0.050	--
Aroclor-1242 (PCB-1242)	5.6	1.0	--	--	< 0.050	--	< 0.050	--	--	< 0.050	--	< 0.050	--
Aroclor-1248 (PCB-1248)	5.6	1.0	--	--	< 0.050	--	< 0.050	--	--	< 0.050	--	< 0.050	--
Aroclor-1254 (PCB-1254)	5.6	1.0	--	--	< 0.050	--	< 0.050	--	--	< 0.050	--	< 0.050	--
Aroclor-1260 (PCB-1260)	5.6	1.0	--	--	**0.18**	--	< 0.050	--	--	**0.11**	--	< 0.050	--
Aroclor-1262 (PCB-1262)	5.6	1.0	--	--	< 0.050	--	< 0.050	--	--	< 0.050	--	< 0.050	--
Aroclor-1268 (PCB-1268)	5.6	1.0	--	--	< 0.050	--	< 0.050	--	--	< 0.050	--	< 0.050	--
Semi-Volatile Organic Compounds (mg/kg)													
1-Methylnaphthalene	--	--	< 0.0098	< 0.0098	< 0.10	< 0.10	< 0.10	< 0.0098	< 0.010	< 0.099	< 1.0	--	< 0.0099
2,4,6-Trichlorophenol	350	47	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	1,100	3,500	--	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	7,100	23,000	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	710	2,300	--	--	--	--	--	--	--	--	--	--	--
2,6-Dichlorophenol	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	1,800	5,800	--	--	--	--	--	--	--	--	--	--	--
2-Methylnaphthalene	670	3,000	< 0.0098	< 0.0098	**0.12**	< 0.10	**0.13**	< 0.0098	< 0.010	< 0.099	< 1.0	--	< 0.0099
2-Methylphenol (o-Cresol)	--	41,000[4]	--	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	--	--	--	--	--	--	--	--	--	--	--	--	--
3&4-Methylphenol	--	--	--	--	--	--	--	--	--	--	--	--	--
3/4-Methylphenols (p/m-Cresol) A	--	41,000[4]	--	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	--	66[4]	--	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	--	--	--	--	--	--	--	--	--	--	--	--	--
Acenaphthene	10,000	45,000	< 0.0098	< 0.0098	< 0.10	< 0.10	**0.18**	< 0.0098	**0.012**	< 0.099	< 1.0	--	< 0.0099
Acenaphthylene	--	45,000[4]	**0.017**	< 0.0098	**0.68**	**0.33**	**0.88**	< 0.0098	**0.058**	**0.36**	**1.5**	--	< 0.0099
Anthracene	50,000	230,000	**0.057**	< 0.0098	**0.57**	**0.39**	**1.8**	< 0.0098	**0.081**	**0.34**	**1.6**	--	**0.016**
Benzo(a)anthracene	16	2.9	**0.065**	< 0.0098	**2.2**	**1.4**	**8.7**	**0.029**	**0.24**	**1.5**	**5.3**	--	**0.038 J**
Benzo(a)pyrene	1.6	0.29	**0.1**	< 0.0098	**4.5**	**2.2**	**7.9**	**0.028**	**0.27**	**2.2**	**7.2**	--	**0.055 J**
Benzo(A)Pyrene Equivalent (1/2 RL substituted for ND)	0.9[5]	0.9[5]	**0.13**	**0.01**	**6.26**	**3.02**	**10.7**	**0.04**	**0.38**	**3.06**	**9.28**	--	**0.07**
Benzo(b)fluoranthene	16	2.9	**0.079**	< 0.0098	**2.9**	**1.7**	**5**	**0.02**	**0.22**	**1.5**	**4.8**	--	**0.052 J**
Benzo(g,h,i)perylene	10,000[6]	45,000[6]	**0.093**	< 0.0098	**7**	**2.3**	**3.3**	**0.019**	**0.18**	**3.2**	**8.2**	--	**0.063 J**
Benzo(k)fluoranthene	150	29	**0.061**	< 0.0098	**2.7**	**1.4**	**4.3**	**0.022**	**0.18**	**1.5**	**4.6**	--	**0.036 J**
Chrysene	1,500	260	**0.088**	< 0.0098	**2.9**	**1.7**	**8.3**	**0.028**	**0.25**	**1.9**	**6.6**	--	**0.047 J**
Dibenz(a,h)anthracene	1.6	0.29	< 0.0098	< 0.0098	**0.79**	**0.32**	**1.1**	< 0.0098	**0.044**	**0.35**	< 1.0	--	< 0.0099
Fluoranthene	6,700	30,000	**0.29 J**	**0.019**	**6.4**	**3.3**	**18**	**0.059**	**0.61**	**3.5**	**15**	--	**0.11 J**
Fluorene	6,700	30,000	**0.028**	**0.01**	**0.12**	**0.13**	**0.55**	< 0.0098	**0.031**	**0.1**	< 1.0	--	< 0.0099
Indeno(1,2,3-cd)pyrene	16	2.9	**0.067**	< 0.0098	**4.3**	**1.7**	**2.8**	**0.016**	**0.15**	**1.9**	**5.2**	--	**0.046 J**
Naphthalene	350	14	< 0.0098	< 0.0098	**0.53**	**0.6**	**0.66**	**0.018**	**0.055**	**0.72**	**1.3**	--	**0.13 J**
Pentachlorophenol	20	4	--	--	--	--	--	--	--	--	--	--	--
Phenanthrene	6,700[6]	30,000[6]	**0.051**	**0.015**	**2.6**	**2**	**8.4**	**0.034**	**0.33**	**1.9**	**7.2**	--	**0.12 J**
Phenol	98,000	350,000	--	--	--	--	--	--	--	--	--	--	--
Pyrene	5,000	23,000	**0.64**	**0.033**	**10**	**4.9**	**20**	**0.065**	**0.72**	**4.8**	**28**	--	**0.17 J**

TABLE 1
SUMMARY OF SOIL ANALYTICAL RESULTS
POTRERO POWER PLANT TANK FARM
SAN FRANCISCO, CALIFORNIA

		Location ID	GB-137	GB-137	GB-138	GB-138A	GB-139	GB-139	GB-139	GB-140	GB-140	GB-140	GB-140
		Sample ID	GB-137-5.0	GB-137-9.0	GB-138-2.0	GB-138A-5.0	GB-139-3.0	GB-139-5.0	GB-139-10.0	GB-140-2.0	GB-140-4.75	GB-140-0.5	GB-140-10.0
		Sample Date	12/07/2017	12/07/2017	11/09/2017	01/02/2018	11/15/2017	11/15/2017	11/16/2017	11/09/2017	11/09/2017	11/10/2017	12/06/2017
		Sample Depth (feet bgs)	5.0	9.0	2.0	5.0	3.0	5.0	10.0	2.0	4.75	0.5	10.0
		Sample Type	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary
Analyte	**Construction Worker Screening Level[1]**	**Commercial/Industrial Screening Level[2]**											
Total Petroleum Hydrocarbons (mg/kg)													
Diesel Range Organics	880	1,100	**70**	**5.5**	**210**	**15**	**680**	**7.3**	**12**	**230**	**1,300**	--	**61**
Gasoline Range Organics	2,800	3,900	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons (C9-C40)	880	1,100	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons-Motor Oil	32,000	140,000	**67**	< 25	**360**	**26**	**1,100**	< 25	< 25	**530**	**2,400**	--	**67 J**
Volatile Organic Compounds (mg/kg)													
1,1,1,2-Tetrachloroethane	340	18	< 0.00080	< 0.00085	< 0.00071	< 0.00074	< 0.00082	< 0.00086	< 0.00070	< 0.00083	< 0.00069	--	< 0.00066
1,1,1-Trichloroethane	8,800	8,900	< 0.00080	< 0.00085	< 0.00071	< 0.00074	< 0.00082	< 0.00086	< 0.00070	< 0.00083	< 0.00069	--	< 0.00066
1,1,2,2-Tetrachloroethane	44	2.3	< 0.0016	< 0.0017	< 0.0014	< 0.0015	< 0.0016	< 0.0017	< 0.0014	< 0.0017	< 0.0014	--	< 0.0013
1,1,2-Trichloroethane	5.2	4.2	< 0.00080	< 0.00085	< 0.00071	< 0.00074	< 0.00082	< 0.00086	< 0.00070	< 0.00083	< 0.00069	--	< 0.00066
1,1-Dichloroethane	390	17	< 0.00080	< 0.00085	< 0.00071	< 0.00074	< 0.00082	< 0.00086	< 0.00070	< 0.00083	< 0.00069	--	< 0.00066
1,1-Dichloroethene	390	400	< 0.00080	< 0.00085	< 0.00071	< 0.00074	< 0.00082	< 0.00086	< 0.00070	< 0.00083	< 0.00069	--	< 0.00066
1,1-Dichloropropane	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	--	--	< 0.0016	< 0.0017	< 0.0014	< 0.0015	< 0.0016	< 0.0017	< 0.0014	< 0.0017	< 0.0014	--	< 0.0013
1,2,3-Trichlorobenzene	--	310[7]	< 0.0016	< 0.0017	< 0.0014	< 0.0015	< 0.0016	< 0.0017	< 0.0014	< 0.0017	< 0.0014	--	< 0.0013
1,2,3-Trichloropropane	--	0.021[7]	< 0.0016	< 0.0017	< 0.0014	< 0.0015	< 0.0016	< 0.0017	< 0.0014	< 0.0017	< 0.0014	--	< 0.0013
1,2,4-Trichlorobenzene	310	110	< 0.0016	< 0.0017	< 0.0014	< 0.0015	< 0.0016	< 0.0017	< 0.0014	< 0.0017	< 0.0014	--	< 0.0013
1,2,4-Trimethylbenzene	--	1,800[4]	< 0.0016	< 0.0017	< 0.0014	< 0.0015	< 0.0016	< 0.0017	< 0.0014	< 0.0017	< 0.0014	--	< 0.0013
1,2-Dibromo-3-chloropropane (DBCP)	1.3	0.072	< 0.0040	< 0.0042	< 0.0035	< 0.0037	< 0.0041	< 0.0043	< 0.0035	< 0.0042	< 0.0034	--	< 0.0033
1,2-Dibromoethane (Ethylene Dibromide)	3.2	0.16	< 0.00080	< 0.00085	< 0.00071	< 0.00074	< 0.00082	< 0.00086	< 0.00070	< 0.00083	< 0.00069	--	< 0.00066
1,2-Dichlorobenzene	8,500	11,000	< 0.00080	< 0.00085	< 0.00071	< 0.00074	< 0.00082	< 0.00086	< 0.00070	< 0.00083	< 0.00069	--	< 0.00066
1,2-Dichloroethane	37	1.6	< 0.00080	< 0.00085	< 0.00071 J	< 0.00074 J	< 0.00082	< 0.00086	< 0.00070	< 0.00083	< 0.00069	--	< 0.00066
1,2-Dichloropropane	58	3.9	< 0.00080	< 0.00085	< 0.00071	< 0.00074	< 0.00082	< 0.00086	< 0.00070	< 0.00083	< 0.00069	--	< 0.00066
1,3,5-Trimethylbenzene	--	1,500[4]	< 0.0016	< 0.0017	< 0.0014	< 0.0015	< 0.0016	< 0.0017	< 0.0014	< 0.0017	< 0.0014	--	< 0.0013
1,3-Dichlorobenzene	--	--	< 0.00080	< 0.00085	< 0.00071	< 0.00074	< 0.00082	< 0.00086	< 0.00070	< 0.00083	< 0.00069	--	< 0.00066
1,3-Dichloropropane	--	2,200[7]	< 0.00080	< 0.00085	< 0.00071	< 0.00074	< 0.00082	< 0.00086	< 0.00070	< 0.00083	< 0.00069	--	< 0.00066
1,3-Dichloropropene	29	1.2	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	310	13	< 0.00080	< 0.00085	< 0.00071	< 0.00074	< 0.00082	< 0.00086	< 0.00070	< 0.00083	< 0.00069	--	< 0.00066
1-Methylethyl-benzene A	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	--	--	< 0.0040	< 0.0042	< 0.0035	< 0.0037	< 0.0041	< 0.0043	< 0.0035	< 0.0042	< 0.0034	--	< 0.0033
2-Butanone (Methyl Ethyl Ketone)	--	190,000[4]	< 0.016	< 0.017	< 0.014	< 0.015	< 0.016	< 0.017	< 0.014	< 0.017	< 0.014	--	< 0.013
2-Chlorotoluene	--	2,600[7]	< 0.00080	< 0.00085	< 0.00071	< 0.00074	< 0.00082	< 0.00086	< 0.00070	< 0.00083	< 0.00069	--	< 0.00066
2-Hexanone	--	1,300[4]	< 0.016	< 0.017	< 0.014	< 0.015	< 0.016	< 0.017	< 0.014	< 0.017	< 0.014	--	< 0.013
2-Phenylbutane (sec-Butylbenzene)	--	12,000[7]	< 0.00080	< 0.00085	< 0.00071	< 0.00074	< 0.00082	< 0.00086	< 0.00070	< 0.00083	< 0.00069	--	< 0.00066
4-Chlorotoluene	--	2,300[7]	< 0.00080	< 0.00085	< 0.00071	< 0.00074	< 0.00082	< 0.00086	< 0.00070	< 0.00083	< 0.00069	--	< 0.00066
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	--	140,000[4]	< 0.016	< 0.017	< 0.014	< 0.015	< 0.016	< 0.017	< 0.014	< 0.017	< 0.014	--	< 0.013
Acetone	260,000	630,000	< 0.040	< 0.042	< 0.035	< 0.037	**0.045**	< 0.043	< 0.035	< 0.042	< 0.034	--	< 0.033
Benzene	24	1	< 0.00080	< 0.00085	**0.0013**	< 0.00074	**0.011**	< 0.00086	< 0.00070	< 0.00083	**0.0013**	--	< 0.00066
Bromobenzene	--	1,800[4]	< 0.00080	< 0.00085	< 0.00071	< 0.00074	< 0.00082	< 0.00086	< 0.00070	< 0.00083	< 0.00069	--	< 0.00066
Bromodichloromethane	47	2.3	< 0.00080	< 0.00085	< 0.00071	< 0.00074	< 0.00082	< 0.00086	< 0.00070	< 0.00083	< 0.00069	--	< 0.00066
Bromoform	2,200	300	< 0.0040	< 0.0042	< 0.0035	< 0.0037	< 0.0041	< 0.0043	< 0.0035	< 0.0042	< 0.0034	--	< 0.0033
Bromomethane (Methyl Bromide)	34	36	< 0.016	< 0.017	< 0.014	< 0.015	< 0.016	< 0.017	< 0.014	< 0.017	< 0.014	--	< 0.013
Carbon disulfide	--	3,500[4]	< 0.0080	< 0.0085	< 0.0071	< 0.0074	< 0.0082	< 0.0086	< 0.0070	< 0.0083	< 0.0069	--	< 0.0066
Carbon tetrachloride	13	0.54	< 0.00080	< 0.00085	< 0.00071 J	< 0.00074	< 0.00082	< 0.00086	< 0.00070	< 0.00083	< 0.00069	--	< 0.00066
Chlorobenzene	1,100	1,200	< 0.00080	< 0.00085	< 0.00071 J	< 0.00074	< 0.00082	< 0.00086	< 0.00070	< 0.00083	< 0.00069	--	< 0.00066
Chlorobromomethane	--	630[4]	< 0.0016	< 0.0017	< 0.0014	< 0.0015	< 0.0016	< 0.0017	< 0.0014	< 0.0017	< 0.0014	--	< 0.0013
Chloroethane	53,000	53,000	< 0.0016	< 0.0017	< 0.0014	< 0.0015	< 0.0016	< 0.0017	< 0.0014	< 0.0017	< 0.0014	--	< 0.0013
Chloroform (Trichloromethane)	32	1.3	< 0.00080	< 0.00085	< 0.00071	< 0.00074	< 0.00082	< 0.00086	< 0.00070	< 0.00083	< 0.00069	--	< 0.00066
Chloromethane (Methyl Chloride)	430	430	< 0.016	< 0.017	< 0.014	< 0.015	< 0.016	< 0.017	< 0.014	< 0.017	< 0.014	--	< 0.013
cis-1,2-Dichloroethene	82	90	< 0.00080	< 0.00085	< 0.00071	< 0.00074	< 0.00082	< 0.00086	< 0.00070	< 0.00083	< 0.00069	--	< 0.00066
cis-1,3-Dichloropropene	--	8.2[4]	< 0.00080	< 0.00085	< 0.00071	< 0.00074	< 0.00082	< 0.00086	< 0.00070	< 0.00083	< 0.00069	--	< 0.00066
Cyclohexanone	--	130,000[4]	< 0.040	< 0.042	< 0.035	< 0.037	< 0.041	< 0.043	< 0.035	< 0.042	< 0.034	--	< 0.033
Cymene (p-Isopropyltoluene)	--	--	< 0.00080	< 0.00085	< 0.00071	< 0.00074	< 0.00082	< 0.00086	< 0.00070	< 0.00083	< 0.00069	--	< 0.00066
Dibromochloromethane	290	39	< 0.0016	< 0.0017	< 0.0014	< 0.0015	< 0.0016	< 0.0017	< 0.0014	< 0.0017	< 0.0014	--	< 0.0013
Dibromomethane	--	99[4]	< 0.00080	< 0.00085	< 0.00071	< 0.00074	< 0.00082	< 0.00086	< 0.00070	< 0.00083	< 0.00069	--	< 0.00066
Dichlorodifluoromethane (CFC-12)	--	370[4]	< 0.0016	< 0.0017	< 0.0014	< 0.0015	< 0.0016	< 0.0017	< 0.0014	< 0.0017	< 0.0014	--	< 0.0013
Diisopropyl ether (DIPE)	--	9,400[4]	< 0.00080	< 0.00085	< 0.00071	< 0.00074	< 0.00082	< 0.00086	< 0.00070	< 0.00083	< 0.00069	--	< 0.00066
Ethanol	--	--	< 0.40	< 0.42	< 0.35	< 0.37	< 0.41	< 0.43	< 0.35	< 0.42	< 0.34	--	< 0.33
Ethylbenzene	480	22	< 0.00080	< 0.00085	< 0.00071	< 0.00074	**0.0011**	< 0.00086	< 0.00070	< 0.00083	< 0.00069	--	< 0.00066
Hexachlorobutadiene	310	42	--	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene (Cumene)	--	9,900[4]	< 0.00080	< 0.00085	< 0.00071	< 0.00074	< 0.00082	< 0.00086	< 0.00070	< 0.00083	< 0.00069	--	< 0.00066
m,p-Xylenes	2,400	2,400	< 0.0016	< 0.0017	< 0.0014 J	< 0.0015 J	< 0.0016	< 0.0017	< 0.0014	< 0.0017	< 0.0014	--	< 0.0013

TABLE 1
SUMMARY OF SOIL ANALYTICAL RESULTS
POTRERO POWER PLANT TANK FARM
SAN FRANCISCO, CALIFORNIA

		Location ID	**GB-137**	**GB-137**	**GB-138**	**GB-138A**	**GB-139**	**GB-139**	**GB-139**	**GB-140**	**GB-140**	**GB-140**	**GB-140**
		Sample ID	GB-137-5.0	GB-137-9.0	GB-138-2.0	GB-138A-5.0	GB-139-3.0	GB-139-5.0	GB-139-10.0	GB-140-2.0	GB-140-4.75	GB-140-0.5	GB-140-10.0
		Sample Date	12/07/2017	12/07/2017	11/09/2017	01/02/2018	11/15/2017	11/15/2017	11/16/2017	11/09/2017	11/09/2017	11/10/2017	12/06/2017
		Sample Depth (feet bgs)	5.0	9.0	2.0	5.0	3.0	5.0	10.0	2.0	4.75	0.5	10.0
		Sample Type	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary
Analyte	**Construction Worker Screening Level[1]**	**Commercial/Industrial Screening Level[2]**											
Methyl Tert Butyl Ether	3,700	180	< 0.0016	< 0.0017	< 0.0014	< 0.0015	< 0.0016	< 0.0017	< 0.0014	< 0.0017	< 0.0014	--	< 0.0013
Methylene chloride	500	25	< 0.0080	< 0.0085	< 0.0071	< 0.0074	< 0.0082	< 0.0086	< 0.0070	< 0.0083	< 0.0069	--	< 0.0066
Naphthalene	350	14	< 0.0080	< 0.0085	< 0.0071	< 0.0074	< 0.0082	< 0.0086	< 0.0070	< 0.0083	< 0.0069	--	< 0.0066
n-Butylbenzene	--	6,400[7]	< 0.00080	< 0.00085	< 0.00071	< 0.00074	< 0.00082	< 0.00086	< 0.00070	< 0.00083	< 0.00069	--	< 0.00066
n-Propylbenzene	--	24,000	< 0.0016	< 0.0017	< 0.0014	< 0.0015	< 0.0016	< 0.0017	< 0.0014	< 0.0017	< 0.0014	--	< 0.0013
o-Xylene	2,400	2,400	< 0.00080	< 0.00085	< 0.00071 J	< 0.00074 J	**0.00098**	< 0.00086	< 0.00070	< 0.00083	< 0.00069	--	< 0.00066
Styrene	29,000	40,000	< 0.00080	< 0.00085	< 0.00071	< 0.00074	< 0.00082	< 0.00086	< 0.00070	< 0.00083	< 0.00069	--	< 0.00066
t-Amyl Alcohol	--	340[4]	< 0.040	< 0.042	< 0.035	< 0.037	< 0.041	< 0.043	< 0.035	< 0.042	< 0.034	--	< 0.033
Tert-Amyl Methyl Ether (TAME)	--	--	< 0.00080	< 0.00085	< 0.00071	< 0.00074	< 0.00082	< 0.00086	< 0.00070	< 0.00083	< 0.00069	--	< 0.00066
Tert-Butyl Alcohol (tert-Butanol)	--	--	< 0.016	< 0.017	< 0.014 J	< 0.015	< 0.016	< 0.017	< 0.014	< 0.017 J	< 0.014 J	--	< 0.013
Tert-Butyl Ethyl Ether (ETBE)	--	--	< 0.00080	< 0.00085	< 0.00071	< 0.00074	< 0.00082	< 0.00086	< 0.00070	< 0.00083	< 0.00069	--	< 0.00066
tert-Butylbenzene	--	12,000[7]	< 0.00080	< 0.00085	< 0.00071	< 0.00074	< 0.00082	< 0.00086	< 0.00070	< 0.00083	< 0.00069	--	< 0.00066
Tetrachloroethene	33	2.7	< 0.00080	< 0.00085	< 0.00071	< 0.00074	< 0.00082	< 0.00086	< 0.00070	< 0.00083	< 0.00069	--	< 0.00066
Toluene	4,100	4,600	< 0.00080	< 0.00085	< 0.00071	< 0.00074	**0.002**	< 0.00086	< 0.00070	< 0.00083	< 0.00069	--	< 0.00066
trans-1,2-Dichloroethene	680	730	< 0.00080	< 0.00085	< 0.00071	< 0.00074	< 0.00082	< 0.00086	< 0.00070	< 0.00083	< 0.00069	--	< 0.00066
trans-1,3-Dichloropropene	--	8.2[4]	< 0.0016	< 0.0017	< 0.0014	< 0.0015	< 0.0016	< 0.0017	< 0.0014	< 0.0017	< 0.0014	--	< 0.0013
Trichloroethene	23	8	< 0.0016	< 0.0017	< 0.0014 J	< 0.0015	< 0.0016	< 0.0017	< 0.0014	< 0.0017	< 0.0014	--	< 0.0013
Trichlorofluoromethane (CFC-11)	--	5,400[7]	< 0.0080	< 0.0085	< 0.0071	< 0.0074	< 0.0082	< 0.0086	< 0.0070	< 0.0083	< 0.0069	--	< 0.0066
Trifluorotrichloroethane (Freon 113)	--	28,000[4]	< 0.0080	< 0.0085	< 0.0071	< 0.0074	< 0.0082	< 0.0086	< 0.0070	< 0.0083	< 0.0069	--	< 0.0066
Vinyl acetate	--	3,800[4]	< 0.0080	< 0.0085	< 0.0071	< 0.0074	< 0.0082	< 0.0086	< 0.0070	< 0.0083	< 0.0069	--	< 0.0066
Vinyl chloride	3.4	0.15	< 0.00080	< 0.00085	< 0.00071	< 0.00074	< 0.00082	< 0.00086	< 0.00070	< 0.00083	< 0.00069	--	< 0.00066
Xylene (total)	2,400	2,400	--	--	--	--	--	--	--	--	--	--	--
Inorganic Compounds													
Asbestos (%)	--	--	**1**	< 0.25	< 0	**0.25**	< 0	< 0	< 0	< 0.25	< 0	--	< 0
Total Cyanide (mg/kg)	--	--	--	--	--	--	--	--	--	--	**4.8**	--	--
Total phenols (mg/kg)	--	--	--	--	--	--	--	--	--	--	--	--	--

Notes
Volatile Organic Compounds (VOCs) analyzed by EPA Method 8260B
Semi-Volatile Organic Compounds (SVOCs) analyzed by EPA Method 8270 SIM
Metals analyzed by EPA Methods 6010B/7471A
Polychlorinated Biphenyls analyzed by EPA Method 8082
Total Petroleum Hydrocarbons analyzed by EPA Method 8015B
Total Cyanide analyzed by EPA Method 9014
Asbestos analyzed by CARB 435

Soil Screening Levels:
1. Environmental Screening Levels (ESLs), Table S-1: Direct Exposure soil Screening Levels, Commercial/Industrial Worker Exposure Scenario, Most Stringent (Water Board, February 2016).
2. Environmental Screening Levels (ESLs), Table S-1: Direct Exposure soil Screening Levels, Construction Worker Exposure Scenario, Most Stringent (Water Board, February 2016).
3. Arsenic concentrations are compared to the background threshold value of 12 mg/kg developed for the adjacent Station A Area (AMEC, 2011).
4. USEPA Regional Screening Level (RSL) for industrial soil endorsed by DTSC (USEPA, November 2017).
5. 0.9 mg/kg B(a)P WQ is the 95th perecentile of the northern California ambient data set for surface soil. The range of ambient concentrations in the northern California ambient data set is non-detect to 2.8 mg/kg.
6. Due to the lack of published screening criteria, the screening levels for acenaphthene and fluoranthene were selected to screen the results for benzo(g,h,i)perylene and phenanthrene, respectively, due to the similar chemical structure.
7. DTSC Modified screening level for industrial soil (DTSC, January 2018)

B(a)P EQ were calculated using potency equivalency factors from the DTSC Preliminary Endangerment Assessment Guidance Manual
BOLD = concentration detected above the laboratory reporting limi
Orange highlight = result exceeded the referenced Construction Worker Screening Level
Green highlight = result exceeded the referenced Commercial/Industrial Screening Level

Abbreviations:
< = analyte not detected above the indicated reporting limit.
J = estimated concentration.
R = rejected result
-- = not analyzed or not applicable.
mg/kg = milligrams per kilogram
ft bgs = feet below ground surface

TABLE 1
SUMMARY OF SOIL ANALYTICAL RESULTS
POTRERO POWER PLANT TANK FARM
SAN FRANCISCO, CALIFORNIA

		Location ID	GB-141	GB-141	GB-141	GB-141	GB-142	GB-142	GB-142	GB-142	GB-142	GB-142	GB-143
		Sample ID	GB-141-2.0	GB-141-5.0	GB-141-7.5	GB-141-12.5	GB-142-2.0	GB-142-5.0	GB-142-10.0	GB-142-15.0	GB-142-20.0	GB-142-23.0	GB-143-2.0
		Sample Date	11/17/2017	11/21/2017	12/07/2017	12/07/2017	11/08/2017	11/08/2017	11/08/2017	11/08/2017	11/08/2017	11/08/2017	11/09/2017
		Sample Depth (feet bgs)	2.0	5.0	7.5	12.5	2.0	5.0	10.0	15.0	20.0	23.0	2.0
		Sample Type	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary
Analyte	**Construction Worker Screening Level[1]**	**Commercial/Industrial Screening Level[2]**											
Metals (mg/kg)													
Antimony	140	470	< 0.739 J	< 0.743 R	< 0.781 R	--	< 0.721 J	< 0.735 J	< 0.785 J	< 0.714 J	< 0.728 J	< 0.761 J	< 0.777 J
Arsenic	12[3]	12[3]	**5.45**	**4.15**	**3.25**	--	**3.87**	**3.54**	**2.43**	**1.81**	**1.81**	**1.34**	**3.69**
Barium	3,000	220,000	**42.1**	**263**	**365**	--	**47.4**	**160**	**456**	**372**	**133**	**116**	**37.5**
Beryllium	42	2,200	**0.311**	**0.356**	**0.413**	--	**0.284**	**0.4**	**0.509**	**0.512**	**0.311**	< 0.254	< 0.259
Cadmium	43	580	**0.637**	**0.656**	**0.859**	--	< 0.481	**0.589**	**0.951**	**0.881**	**0.955**	**1.06**	< 0.518
Chromium	530,000	1,800,000	**42**	**123**	**172**	--	**39.3**	**79.5**	**107**	**121**	**171**	**206**	**37.9**
Cobalt	28	350	**8.96**	**24**	**32.0 J**	--	**6.21**	**18.6**	**30.5**	**30.5**	**31.2**	**36.4**	**6.03**
Copper	14,000	47,000	**8.9**	**64.8**	**56.2 J**	--	**7.53**	**30.4**	**56.7**	**51.3**	**49**	**57.7**	**6.95**
Lead	160	320	**4.34**	**178**	**94.2 J**	--	**3.46**	**61.3**	**3.26**	**1.86**	**1.4**	**0.525**	**3.51**
Mercury	44	190	< 0.0833	**0.298**	**0.203**	--	**0.113**	**0.271**	< 0.0806	< 0.0862	< 0.0862	< 0.0877	**0.127**
Molybdenum	1,800	5,800	**1.41**	< 0.248	< 0.260	--	**0.904**	< 0.245	< 0.262	< 0.238	< 0.243	< 0.254	**0.826**
Nickel	86	11,000	**47.3**	**356**	**288**	--	**41.2**	**152**	**81.3**	**106**	**149**	**182**	**38.1**
Selenium	1,700	5,800	< 0.739	< 0.743	< 0.781	--	< 0.721	< 0.735	< 0.785	< 0.714	< 0.728	< 0.761	< 0.777
Silver	1,800	5,800	< 0.246	< 0.248	< 0.260	--	< 0.240	< 0.245	< 0.262	< 0.238	< 0.243	< 0.254	< 0.259
Thallium	3.5	12	< 0.739	< 0.743	**1.06**	--	< 0.721	< 0.735	**1.18**	**1.27**	< 0.728	< 0.761	< 0.777
Vanadium	470	5,800	**30.1**	**76.3**	**112**	--	**23.1**	**56.1**	**152**	**145**	**123**	**117**	**25**
Zinc	110,000	350,000	**33.3**	**117**	**102**	--	**30.2**	**71.4**	**54.2**	**48.3**	**42**	**45.7**	**27.7**
Polychlorinated Biphenyls (mg/kg)													
Aroclor-1016 (PCB-1016)	5.6	1.0	< 0.049	--	--	--	< 0.049	--	--	--	--	--	< 0.049
Aroclor-1221 (PCB-1221)	5.6	1.0	< 0.049	--	--	--	< 0.049	--	--	--	--	--	< 0.049
Aroclor-1232 (PCB-1232)	5.6	1.0	< 0.049	--	--	--	< 0.049	--	--	--	--	--	< 0.049
Aroclor-1242 (PCB-1242)	5.6	1.0	< 0.049	--	--	--	< 0.049	--	--	--	--	--	< 0.049
Aroclor-1248 (PCB-1248)	5.6	1.0	< 0.049	--	--	--	< 0.049	--	--	--	--	--	< 0.049
Aroclor-1254 (PCB-1254)	5.6	1.0	< 0.049	--	--	--	< 0.049	--	--	--	--	--	< 0.049
Aroclor-1260 (PCB-1260)	5.6	1.0	< 0.049	--	--	--	< 0.049	--	--	--	--	--	< 0.049
Aroclor-1262 (PCB-1262)	5.6	1.0	< 0.049	--	--	--	< 0.049	--	--	--	--	--	< 0.049
Aroclor-1268 (PCB-1268)	5.6	1.0	< 0.049	--	--	--	< 0.049	--	--	--	--	--	< 0.049
Semi-Volatile Organic Compounds (mg/kg)													
1-Methylnaphthalene	--	--	< 0.0098	**1.3**	**3.7**	< 0.0099	< 0.0099	**0.18**	**22**	**19**	**14**	**0.06**	< 0.0098
2,4,6-Trichlorophenol	350	47	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	1,100	3,500	--	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	7,100	23,000	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	710	2,300	--	--	--	--	--	--	--	--	--	--	--
2,6-Dichlorophenol	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	1,800	5,800	--	--	--	--	--	--	--	--	--	--	--
2-Methylnaphthalene	670	3,000	< 0.0098	**1.4**	**3**	< 0.0099	< 0.0099	**0.12**	**42**	**44**	**39**	**0.12**	< 0.0098
2-Methylphenol (o-Cresol)	--	41,000[4]	--	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	--	--	--	--	--	--	--	--	--	--	--	--	--
3&4-Methylphenol	--	--	--	--	--	--	--	--	--	--	--	--	--
3/4-Methylphenols (p/m-Cresol) A	--	41,000[4]	--	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	--	66[4]	--	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	--	--	--	--	--	--	--	--	--	--	--	--	--
Acenaphthene	10,000	45,000	< 0.0098	< 1.0	**7**	**0.071**	< 0.0099	**0.11**	**4.8**	< 0.99	**0.87**	**0.011**	< 0.0098
Acenaphthylene	--	45,000[4]	< 0.0098	**3.7**	**10**	**0.033**	< 0.0099	**0.7**	**50**	**1.6**	**1.1**	**0.032**	< 0.0098
Anthracene	50,000	230,000	< 0.0098	**7.3**	**10**	**0.09**	< 0.0099	**0.83**	**27**	**9.2**	**4.5**	**0.094**	< 0.0098
Benzo(a)anthracene	16	2.9	< 0.0098	**16**	**19**	**0.19**	< 0.0099	**2.1**	**27**	**11**	**7.9**	**0.15**	< 0.0098
Benzo(a)pyrene	1.6	0.29	< 0.0098	**24**	**31**	**0.22**	< 0.0099	**2.9**	**36**	**12**	**7.5**	**0.14**	< 0.0098
Benzo(A)Pyrene Equivalent (1/2 RL substituted for ND)	0.9[5]	0.9[5]	**0.01**	**31.9**	**40.49**	**0.3**	**0.01**	**3.79**	**46.45**	**15.35**	**10.07**	**0.19**	**0.01**
Benzo(b)fluoranthene	16	2.9	< 0.0098	**17**	**20**	**0.15**	< 0.0099	**2**	**21**	**6.4**	**4**	**0.069**	< 0.0098
Benzo(g,h,i)perylene	10,000[6]	45,000[6]	< 0.0098	**22**	**27**	**0.17**	< 0.0099	**2.6**	**20**	**4.2**	**2.9**	**0.07**	< 0.0098
Benzo(k)fluoranthene	150	29	< 0.0098	**18**	**17**	**0.14**	< 0.0099	**1.8**	**22**	**8.5**	**6.8**	**0.12**	< 0.0098
Chrysene	1,500	260	< 0.0098	**20**	**25**	**0.19**	< 0.0099	**2.7**	**32**	**12**	**7.9**	**0.17**	< 0.0098
Dibenz(a,h)anthracene	1.6	0.29	< 0.0098	**2.9**	**3.5**	**0.03**	< 0.0099	**0.28**	**3.8**	**1.1**	**0.99**	**0.018**	< 0.0098
Fluoranthene	6,700	30,000	< 0.0098	**58**	**61**	**0.64**	< 0.0099	**6.8**	**73**	**26**	**16**	**0.3**	< 0.0098
Fluorene	6,700	30,000	< 0.0098	**2.3**	**4.7**	**0.031**	< 0.0099	**0.25**	**2.8**	**12**	**9.6**	**0.15**	< 0.0098
Indeno(1,2,3-cd)pyrene	16	2.9	< 0.0098	**15**	**19**	**0.13**	< 0.0099	**1.8**	**16**	**4.1**	**3.1**	**0.067**	< 0.0098
Naphthalene	350	14	**0.011**	**5.4**	**88**	**0.043**	**0.067**	**0.89**	**700**	**270**	**320**	**0.81**	**0.047**
Pentachlorophenol	20	4	--	--	--	--	--	--	--	--	--	--	--
Phenanthrene	6,700[6]	30,000[6]	< 0.0098	**39**	**57**	**0.47**	< 0.0099	**4.9**	**130**	**66**	**39**	**0.71**	< 0.0098
Phenol	98,000	350,000	--	--	--	--	--	--	--	--	--	--	--
Pyrene	5,000	23,000	**0.01**	**61**	**70**	**0.83**	< 0.0099	**8.8**	**92**	**31**	**19**	**0.41**	< 0.0098

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POTRERO POWER PLANT TANK FARM
SAN FRANCISCO, CALIFORNIA

		Location ID	GB-141	GB-141	GB-141	GB-141	GB-142	GB-142	GB-142	GB-142	GB-142	GB-142	GB-143
		Sample ID	GB-141-2.0	GB-141-5.0	GB-141-7.5	GB-141-12.5	GB-142-2.0	GB-142-5.0	GB-142-10.0	GB-142-15.0	GB-142-20.0	GB-142-23.0	GB-143-2.0
		Sample Date	11/17/2017	11/21/2017	12/07/2017	12/07/2017	11/08/2017	11/08/2017	11/08/2017	11/08/2017	11/08/2017	11/08/2017	11/09/2017
		Sample Depth (feet bgs)	2.0	5.0	7.5	12.5	2.0	5.0	10.0	15.0	20.0	23.0	2.0
		Sample Type	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary
Analyte	**Construction Worker Screening Level[1]**	**Commercial/Industrial Screening Level[2]**											
Total Petroleum Hydrocarbons (mg/kg)													
Diesel Range Organics	880	1,100	**9.2**	**980**	**1,000**	< 5.1	< 5.0	**300**	**4,500**	**1,600**	**360**	**6.9**	**5.6**
Gasoline Range Organics	2,800	3,900	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons (C9-C40)	880	1,100	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons-Motor Oil	32,000	140,000	< 25	**1,500**	**1,300 J**	< 25	< 25	**500**	**2,700**	**820**	**160**	< 25	< 25
Volatile Organic Compounds (mg/kg)													
1,1,1,2-Tetrachloroethane	340	18	< 0.00098	< 0.039	< 2.0	--	< 0.00086	< 0.00090	< 0.46	< 0.37	< 0.40	< 0.070	< 0.00079
1,1,1-Trichloroethane	8,800	8,900	< 0.00098	< 0.039	< 2.0	--	< 0.00086	< 0.00090	< 0.46	< 0.37	< 0.40	< 0.070	< 0.00079
1,1,2,2-Tetrachloroethane	44	2.3	< 0.0020	< 0.078	< 3.9	--	< 0.0017	< 0.0018	< 0.92	< 0.73	< 0.81	< 0.14	< 0.0016
1,1,2-Trichloroethane	5.2	4.2	< 0.00098	< 0.039	< 2.0	--	< 0.00086	< 0.00090	< 0.46	< 0.37	< 0.40	< 0.070	< 0.00079
1,1-Dichloroethane	390	17	< 0.00098	< 0.039	< 2.0	--	< 0.00086	< 0.00090	< 0.46	< 0.37	< 0.40	< 0.070	< 0.00079
1,1-Dichloroethene	390	400	< 0.00098	< 0.039	< 2.0	--	< 0.00086	< 0.00090	< 0.46	< 0.37	< 0.40	< 0.070	< 0.00079
1,1-Dichloropropane	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	--	--	< 0.0020	< 0.078	< 3.9	--	< 0.0017	< 0.0018	< 0.92	< 0.73	< 0.81	< 0.14	< 0.0016
1,2,3-Trichlorobenzene	--	310[7]	< 0.0020	< 0.078	< 3.9	--	< 0.0017	< 0.0018	< 0.92	< 0.73	< 0.81	< 0.14	< 0.0016
1,2,3-Trichloropropane	--	0.021[7]	< 0.0020	< 0.078	< 3.9	--	< 0.0017	< 0.0018	< 0.92	< 0.73	< 0.81	< 0.14	< 0.0016
1,2,4-Trichlorobenzene	310	110	< 0.0020	< 0.078	< 3.9	--	< 0.0017	< 0.0018	< 0.92	< 0.73	< 0.81	< 0.14	< 0.0016
1,2,4-Trimethylbenzene	--	1,800[4]	< 0.0020	< 0.078	< 3.9	--	< 0.0017	< 0.0018	**2.5**	**2.8**	**1.5**	< 0.14	< 0.0016
1,2-Dibromo-3-chloropropane (DBCP)	1.3	0.072	< 0.0049	< 0.19	< 9.9	--	< 0.0043	< 0.0045	< 2.3	< 1.8	< 2.0	< 0.35	< 0.0040
1,2-Dibromoethane (Ethylene Dibromide)	3.2	0.16	< 0.00098	< 0.039	< 2.0	--	< 0.00086	< 0.00090	< 0.46	< 0.37	< 0.40	< 0.070	< 0.00079
1,2-Dichlorobenzene	8,500	11,000	< 0.00098	< 0.039	< 2.0	--	< 0.00086	< 0.00090	< 0.46	< 0.37	< 0.40	< 0.070	< 0.00079
1,2-Dichloroethane	37	1.6	< 0.00098	< 0.039	< 2.0 J	--	< 0.00086	< 0.00090	< 0.46	< 0.37	< 0.40	< 0.070	< 0.00079
1,2-Dichloropropane	58	3.9	< 0.00098	< 0.039	< 2.0	--	< 0.00086	< 0.00090	< 0.46	< 0.37	< 0.40	< 0.070	< 0.00079
1,3,5-Trimethylbenzene	--	1,500[4]	< 0.0020	< 0.078	< 3.9	--	< 0.0017	< 0.0018	**1**	**1.5**	**1.2**	< 0.14	< 0.0016
1,3-Dichlorobenzene	--	--	< 0.00098	< 0.039	< 2.0	--	< 0.00086	< 0.00090	< 0.46	< 0.37	< 0.40	< 0.070	< 0.00079
1,3-Dichloropropane	--	2,200[7]	< 0.00098	< 0.039	< 2.0	--	< 0.00086	< 0.00090	< 0.46	< 0.37	< 0.40	< 0.070	< 0.00079
1,3-Dichloropropene	29	1.2	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	310	13	< 0.00098	< 0.039	< 2.0	--	< 0.00086	< 0.00090	< 0.46	< 0.37	< 0.40	< 0.070	< 0.00079
1-Methylethyl-benzene A	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	--	--	< 0.0049	< 0.19	< 9.9	--	< 0.0043	< 0.0045	< 2.3	< 1.8	< 2.0	< 0.35	< 0.0040
2-Butanone (Methyl Ethyl Ketone)	--	190,000[4]	< 0.020	< 0.78	< 39	--	< 0.017	< 0.018	< 9.2	< 7.3	< 8.1	< 1.4	< 0.016
2-Chlorotoluene	--	2,600[7]	< 0.00098	< 0.039	< 2.0	--	< 0.00086	< 0.00090	< 0.46	< 0.37	< 0.40	< 0.070	< 0.00079
2-Hexanone	--	1,300[4]	< 0.020	< 0.78	< 39	--	< 0.017	< 0.018	< 9.2	< 7.3	< 8.1	< 1.4	< 0.016
2-Phenylbutane (sec-Butylbenzene)	--	12,000[7]	< 0.00098	< 0.039	< 2.0	--	< 0.00086	< 0.00090	< 0.46	< 0.37	< 0.40	< 0.070	< 0.00079
4-Chlorotoluene	--	2,300[7]	< 0.00098	< 0.039	< 2.0	--	< 0.00086	< 0.00090	< 0.46	< 0.37	< 0.40	< 0.070	< 0.00079
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	--	140,000[4]	< 0.020	< 0.78	< 39	--	< 0.017	< 0.018	< 9.2	< 7.3	< 8.1	< 1.4	< 0.016
Acetone	260,000	630,000	< 0.049	< 1.9	< 99	--	< 0.043	< 0.045	< 23	< 18	< 20	< 3.5	< 0.040
Benzene	24	1	< 0.00098	**0.1**	< 2.0	--	< 0.00086	**0.0061**	**32**	**42**	**12**	**6.6**	< 0.00079
Bromobenzene	--	1,800[4]	< 0.00098	< 0.039	< 2.0	--	< 0.00086	< 0.00090	< 0.46	< 0.37	< 0.40	< 0.070	< 0.00079
Bromodichloromethane	47	2.3	< 0.00098	< 0.039	< 2.0	--	< 0.00086	< 0.00090	< 0.46	< 0.37	< 0.40	< 0.070	< 0.00079
Bromoform	2,200	300	< 0.0049	< 0.19	< 9.9	--	< 0.0043	< 0.0045	< 2.3	< 1.8	< 2.0	< 0.35	< 0.0040
Bromomethane (Methyl Bromide)	34	36	< 0.020	< 0.78	< 39	--	< 0.017	< 0.018	< 9.2	< 7.3	< 8.1	< 1.4	< 0.016
Carbon disulfide	--	3,500[4]	< 0.0098	< 0.39	< 20	--	< 0.0086	< 0.0090	< 4.6	< 3.7	< 4.0	< 0.70	< 0.0079
Carbon tetrachloride	13	0.54	< 0.00098 J	< 0.039	< 2.0	--	< 0.00086	< 0.00090	< 0.46	< 0.37	< 0.40	< 0.070	< 0.00079
Chlorobenzene	1,100	1,200	< 0.00098	< 0.039	< 2.0	--	< 0.00086	< 0.00090	< 0.46	< 0.37	< 0.40	< 0.070	< 0.00079
Chlorobromomethane	--	630[4]	< 0.0020	< 0.078	< 3.9	--	< 0.0017	< 0.0018	< 0.92	< 0.73	< 0.81	< 0.14	< 0.0016
Chloroethane	53,000	53,000	< 0.0020	< 0.078	< 3.9	--	< 0.0017	< 0.0018	< 0.92	< 0.73	< 0.81	< 0.14	< 0.0016
Chloroform (Trichloromethane)	32	1.3	< 0.00098	< 0.039	< 2.0	--	< 0.00086	< 0.00090	< 0.46	< 0.37	< 0.40	< 0.070	< 0.00079
Chloromethane (Methyl Chloride)	430	430	< 0.020	< 0.78	< 39	--	< 0.017	< 0.018	< 9.2	< 7.3	< 8.1	< 1.4	< 0.016
cis-1,2-Dichloroethene	82	90	< 0.00098	< 0.039	< 2.0	--	< 0.00086	< 0.00090	< 0.46	< 0.37	< 0.40	< 0.070	< 0.00079
cis-1,3-Dichloropropene	--	8.2[4]	< 0.00098	< 0.039	< 2.0	--	< 0.00086	< 0.00090	< 0.46	< 0.37	< 0.40	< 0.070	< 0.00079
Cyclohexanone	--	130,000[4]	< 0.049	< 1.9	< 99	--	< 0.043	< 0.045	< 23	< 18	< 20	< 3.5	< 0.040
Cymene (p-Isopropyltoluene)	--	--	< 0.00098	< 0.039	< 2.0	--	< 0.00086	< 0.00090	< 0.46	< 0.37	< 0.40	< 0.070	< 0.00079
Dibromochloromethane	290	39	< 0.0020	< 0.078	< 3.9	--	< 0.0017	< 0.0018	< 0.92	< 0.73	< 0.81	< 0.14	< 0.0016
Dibromomethane	--	99[4]	< 0.00098	< 0.039	< 2.0	--	< 0.00086	< 0.00090	< 0.46	< 0.37	< 0.40	< 0.070	< 0.00079
Dichlorodifluoromethane (CFC-12)	--	370[4]	< 0.0020	< 0.078	< 3.9	--	< 0.0017	< 0.0018	< 0.92	< 0.73	< 0.81	< 0.14	< 0.0016
Diisopropyl ether (DIPE)	--	9,400[4]	< 0.00098	< 0.039	< 2.0	--	< 0.00086	< 0.00090	< 0.46	< 0.37	< 0.40	< 0.070	< 0.00079
Ethanol	--	--	< 0.49	< 19	< 990	--	< 0.43	< 0.45	< 230	< 180	< 200	< 35	< 0.40
Ethylbenzene	480	22	< 0.00098	**0.039**	< 2.0	--	< 0.00086	< 0.00090	**13**	**0.94**	< 0.40	< 0.070	< 0.00079
Hexachlorobutadiene	310	42	--	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene (Cumene)	--	9,900[4]	< 0.00098	< 0.039	< 2.0	--	< 0.00086	< 0.00090	< 0.46	< 0.37	< 0.40	< 0.070	< 0.00079
m,p-Xylenes	2,400	2,400	< 0.0020	**0.09**	< 3.9	--	< 0.0017	< 0.0018	**5.2**	**13**	**9.5**	**0.7**	< 0.0016

TABLE 1
SUMMARY OF SOIL ANALYTICAL RESULTS
POTRERO POWER PLANT TANK FARM
SAN FRANCISCO, CALIFORNIA

		Location ID	**GB-141**	**GB-141**	**GB-141**	**GB-141**	**GB-142**	**GB-142**	**GB-142**	**GB-142**	**GB-142**	**GB-142**	**GB-143**
		Sample ID	GB-141-2.0	GB-141-5.0	GB-141-7.5	GB-141-12.5	GB-142-2.0	GB-142-5.0	GB-142-10.0	GB-142-15.0	GB-142-20.0	GB-142-23.0	GB-143-2.0
		Sample Date	11/17/2017	11/21/2017	12/07/2017	12/07/2017	11/08/2017	11/08/2017	11/08/2017	11/08/2017	11/08/2017	11/08/2017	11/09/2017
		Sample Depth (feet bgs)	2.0	5.0	7.5	12.5	2.0	5.0	10.0	15.0	20.0	23.0	2.0
		Sample Type	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary
Analyte	**Construction Worker Screening Level[1]**	**Commercial/Industrial Screening Level[2]**											
Methyl Tert Butyl Ether	3,700	180	< 0.0020	< 0.078	< 3.9	--	< 0.0017	< 0.0018	< 0.92	< 0.73	< 0.81	< 0.14	< 0.0016
Methylene chloride	500	25	< 0.0098	< 0.39	< 20	--	< 0.0086	< 0.0090	< 4.6	< 3.7	< 4.0	< 0.70	< 0.0079
Naphthalene	350	14	< 0.0098	**8.2**	**200**	--	< 0.0086	**0.0096**	**4,100**	**910**	**75**	**4.9**	< 0.0079
n-Butylbenzene	--	6,400[7]	< 0.00098	< 0.039	< 2.0	--	< 0.00086	< 0.00090	< 0.46	< 0.37	< 0.40	< 0.070	< 0.00079
n-Propylbenzene	--	24,000	< 0.0020	< 0.078	< 3.9	--	< 0.0017	< 0.0018	< 0.92	< 0.73	< 0.81	< 0.14	< 0.0016
o-Xylene	2,400	2,400	< 0.00098	**0.047**	< 2.0	--	< 0.00086	< 0.00090	**3.2**	**2.5**	**1.3**	**0.19**	< 0.00079
Styrene	29,000	40,000	< 0.00098	**0.047**	< 2.0	--	< 0.00086	< 0.00090	**1.6**	< 0.37	< 0.40	< 0.070	< 0.00079
t-Amyl Alcohol	--	340[4]	< 0.049	< 1.9	< 99	--	< 0.043	< 0.045	< 23	< 18	< 20	< 3.5	< 0.040
Tert-Amyl Methyl Ether (TAME)	--	--	< 0.00098	< 0.039	< 2.0	--	< 0.00086	< 0.00090	< 0.46	< 0.37	< 0.40	< 0.070	< 0.00079
Tert-Butyl Alcohol (tert-Butanol)	--	--	< 0.020	< 0.78	< 39	--	< 0.017	< 0.018	< 9.2	< 7.3	< 8.1	< 1.4	< 0.016
Tert-Butyl Ethyl Ether (ETBE)	--	--	< 0.00098	< 0.039	< 2.0	--	< 0.00086	< 0.00090	< 0.46	< 0.37	< 0.40	< 0.070	< 0.00079
tert-Butylbenzene	--	12,000[7]	< 0.00098	< 0.039	< 2.0	--	< 0.00086	< 0.00090	< 0.46	< 0.37	< 0.40	< 0.070	< 0.00079
Tetrachloroethene	33	2.7	< 0.00098	< 0.039	< 2.0	--	< 0.00086	< 0.00090	< 0.46	< 0.37	< 0.40	< 0.070	< 0.00079
Toluene	4,100	4,600	< 0.00098	**0.068**	< 2.0	--	< 0.00086	< 0.00090	**2.2**	< 0.37	< 0.40	**2**	< 0.00079
trans-1,2-Dichloroethene	680	730	< 0.00098	< 0.039	< 2.0	--	< 0.00086	< 0.00090	< 0.46	< 0.37	< 0.40	< 0.070	< 0.00079
trans-1,3-Dichloropropene	--	8.2[4]	< 0.0020	< 0.078	< 3.9	--	< 0.0017	< 0.0018	< 0.92	< 0.73	< 0.81	< 0.14	< 0.0016
Trichloroethene	23	8	< 0.0020	< 0.078	< 3.9	--	< 0.0017	< 0.0018	< 0.92	< 0.73	< 0.81	< 0.14	< 0.0016
Trichlorofluoromethane (CFC-11)	--	5,400[7]	< 0.0098	< 0.39	< 20	--	< 0.0086	< 0.0090	< 4.6	< 3.7	< 4.0	< 0.70	< 0.0079
Trifluorotrichloroethane (Freon 113)	--	28,000[4]	< 0.0098	< 0.39	< 20	--	< 0.0086	< 0.0090	< 4.6	< 3.7	< 4.0	< 0.70	< 0.0079
Vinyl acetate	--	3,800[4]	< 0.0098	< 0.39	< 20	--	< 0.0086	< 0.0090	< 4.6	< 3.7	< 4.0	< 0.70	< 0.0079
Vinyl chloride	3.4	0.15	< 0.00098	< 0.039	< 2.0	--	< 0.00086	< 0.00090	< 0.46	< 0.37	< 0.40	< 0.070	< 0.00079
Xylene (total)	2,400	2,400	--	--	--	--	--	--	--	--	--	--	--
Inorganic Compounds													
Asbestos (%)	--	--	< 0	< 0	**0.5**	--	< 0	< 0	< 0	< 0	< 0	< 0	< 0
Total Cyanide (mg/kg)	--	--	< 0.50	--	**6.6**	--	--	--	**7**	--	**0.6**	--	--
Total phenols (mg/kg)	--	--	--	--	--	--	--	--	--	--	--	--	--

Notes
Volatile Organic Compounds (VOCs) analyzed by EPA Method 8260B
Semi-Volatile Organic Compounds (SVOCs) analyzed by EPA Method 8270 SIM
Metals analyzed by EPA Methods 6010B/7471A
Polychlorinated Biphenyls analyzed by EPA Method 8082
Total Petroleum Hydrocarbons analyzed by EPA Method 8015B
Total Cyanide analyzed by EPA Method 9014
Asbestos analyzed by CARB 435

Soil Screening Levels:
1. Environmental Screening Levels (ESLs), Table S-1: Direct Exposure soil Screening Levels, Commercial/Industrial Worker Exposure Scenario, Most Stringent (Water Board, February 2016).
2. Environmental Screening Levels (ESLs), Table S-1: Direct Exposure soil Screening Levels, Construction Worker Exposure Scenario, Most Stringent (Water Board, February 2016).
3. Arsenic concentrations are compared to the background threshold value of 12 mg/kg developed for the adjacent Station A Area (AMEC, 2011).
4. USEPA Regional Screening Level (RSL) for industrial soil endorsed by DTSC (USEPA, November 2017).
5. 0.9 mg/kg B(a)P WQ is the 95th perecentile of the northern California ambient data set for surface soil. The range of ambient concentrations in the northern California ambient data set is non-detect to 2.8 mg/kg.
6. Due to the lack of published screening criteria, the screening levels for acenaphthene and fluoranthene were selected to screen the results for benzo(g,h,i)perylene and phenanthrene, respectively, due to the similar chemical structure.
7. DTSC Modified screening level for industrial soil (DTSC, January 2018)

B(a)P EQ were calculated using potency equivalency factors from the DTSC Preliminary Endangerment Assessment Guidance Manual
BOLD = concentration detected above the laboratory reporting limi
Orange highlight = result exceeded the referenced Construction Worker Screening Level
Green highlight = result exceeded the referenced Commercial/Industrial Screening Level

Abbreviations:
< = analyte not detected above the indicated reporting limit.
J = estimated concentration.
R = rejected result
-- = not analyzed or not applicable.
mg/kg = milligrams per kilogram
ft bgs = feet below ground surface

TABLE 1
SUMMARY OF SOIL ANALYTICAL RESULTS
POTRERO POWER PLANT TANK FARM
SAN FRANCISCO, CALIFORNIA

		Location ID	GB-143	GB-143	GB-143	GB-143	GB-144	GB-144	GB-144	GB-144	GB-144	GB-145	GB-145
		Sample ID	GB-143-5.0	GB-143-10.0	GB-143-10.5	GB-143-13.0	GB-144-0.5	GB-144-2.0	GB-144-5.5	GB-144-6.5	GB-144-10.0	GB-145-2.0	GB-145-5.0
		Sample Date	11/09/2017	11/09/2017	11/09/2017	11/09/2017	11/10/2017	11/10/2017	11/10/2017	11/10/2017	11/10/2017	11/14/2017	11/14/2017
		Sample Depth (feet bgs)	5.0	10.0	10.5	13.0	0.5	2.0	5.5	6.5	10.0	2.0	5.0
		Sample Type	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary
Analyte	**Construction Worker Screening Level[1]**	**Commercial/Industrial Screening Level[2]**											
Metals (mg/kg)													
Antimony	140	470	< 0.777 J	< 0.761 J	< 0.761 J	< 0.739 J	--	< 0.781 J	< 0.785 J	--	< 0.758 J	< 0.750 R	< 0.746 R
Arsenic	12[3]	12[3]	**2.85**	**2.81**	**2.15**	**0.771**	--	**2.89**	**2.32**	--	< 0.758	**2.11**	**2.27**
Barium	3,000	220,000	**254**	**155**	**130**	**72.4**	--	**197**	**437**	--	**317**	**29.1**	**10.1**
Beryllium	42	2,200	**0.385**	**0.291**	< 0.254	< 0.246	--	**0.336**	**0.347**	--	< 0.253	< 0.250	< 0.249
Cadmium	43	580	**0.742**	**1.03**	**0.8**	**0.561**	--	**0.614**	**0.814**	--	**0.698**	< 0.500	< 0.498
Chromium	530,000	1,800,000	**164**	**95.4**	**147**	**123**	--	**120 J**	**77.0 J**	--	**27.1 J**	**28.8**	**464**
Cobalt	28	350	**32.9**	**19.7**	**25.9**	**23.1**	--	**22.9**	**19.4**	--	**26**	**5.76**	**65.6**
Copper	14,000	47,000	**45.8**	**41**	**63.7**	**41.3**	--	**41.5**	**83**	--	**57.4**	**13.7**	**7.28**
Lead	160	320	**115**	**133**	**17.8**	**0.864**	**4.48**	**290**	**362**	**1.1**	**1.65**	**5.12**	**1.24**
Mercury	44	190	**0.321**	**0.379**	< 0.0877	< 0.0862	--	**0.331**	**0.386**	--	< 0.0794	< 0.0806	< 0.0847
Molybdenum	1,800	5,800	< 0.259	< 0.254	< 0.254	< 0.246	--	< 0.260	< 0.262	--	< 0.253	< 0.250	< 0.249
Nickel	86	11,000	**414**	**187**	**112**	**112**	--	**500**	**142**	--	**51**	**32.7**	**1,290**
Selenium	1,700	5,800	< 0.777	< 0.761	< 0.761	< 0.739	--	< 0.781	< 0.785	--	< 0.758	< 0.750	< 0.746
Silver	1,800	5,800	< 0.259	< 0.254	< 0.254	< 0.246	--	< 0.260	< 0.262	--	< 0.253	< 0.250	< 0.249
Thallium	3.5	12	< 0.777	< 0.761	< 0.761	< 0.739	--	< 0.781	< 0.785	--	< 0.758	< 0.750 J	**0.840 J**
Vanadium	470	5,800	**87.4**	**59.2**	**91.9**	**67.9**	--	**65.6**	**78**	--	**102**	**21.1**	**12.5**
Zinc	110,000	350,000	**78.4**	**117**	**61.6**	**32.4**	--	**93.9**	**138**	--	**55.1**	**22.6**	**13.7**
Polychlorinated Biphenyls (mg/kg)													
Aroclor-1016 (PCB-1016)	5.6	1.0	--	--	--	--	< 0.049	< 0.050	--	--	--	< 0.049	--
Aroclor-1221 (PCB-1221)	5.6	1.0	--	--	--	--	< 0.049	< 0.050	--	--	--	< 0.049	--
Aroclor-1232 (PCB-1232)	5.6	1.0	--	--	--	--	< 0.049	< 0.050	--	--	--	< 0.049	--
Aroclor-1242 (PCB-1242)	5.6	1.0	--	--	--	--	< 0.049	< 0.050	--	--	--	< 0.049	--
Aroclor-1248 (PCB-1248)	5.6	1.0	--	--	--	--	< 0.049	< 0.050	--	--	--	< 0.049	--
Aroclor-1254 (PCB-1254)	5.6	1.0	--	--	--	--	< 0.049	< 0.050	--	--	--	< 0.049	--
Aroclor-1260 (PCB-1260)	5.6	1.0	--	--	--	--	< 0.049	**0.29 J**	--	--	--	< 0.049	--
Aroclor-1262 (PCB-1262)	5.6	1.0	--	--	--	--	< 0.049	< 0.050	--	--	--	< 0.049	--
Aroclor-1268 (PCB-1268)	5.6	1.0	--	--	--	--	< 0.049	< 0.050	--	--	--	< 0.049	--
Semi-Volatile Organic Compounds (mg/kg)													
1-Methylnaphthalene	--	--	**0.91**	**20**	**26**	< 0.0098	--	< 1.0	**15**	**0.024**	< 0.0098	< 0.0098	< 0.0099
2,4,6-Trichlorophenol	350	47	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	1,100	3,500	--	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	7,100	23,000	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	710	2,300	--	--	--	--	--	--	--	--	--	--	--
2,6-Dichlorophenol	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	1,800	5,800	--	--	--	--	--	--	--	--	--	--	--
2-Methylnaphthalene	670	3,000	**0.4**	**16**	**35**	**0.015 J**	--	< 1.0	**24**	**0.036**	< 0.0098	< 0.0098	< 0.0099
2-Methylphenol (o-Cresol)	--	41,000[4]	--	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	--	--	--	--	--	--	--	--	--	--	--	--	--
3&4-Methylphenol	--	--	--	--	--	--	--	--	--	--	--	--	--
3/4-Methylphenols (p/m-Cresol) A	--	41,000[4]	--	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	--	66[4]	--	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	--	--	--	--	--	--	--	--	--	--	--	--	--
Acenaphthene	10,000	45,000	**1.6**	**37**	**27**	**0.022 J**	--	< 1.0	**9.2**	**0.013**	< 0.0098	< 0.0098	< 0.0099
Acenaphthylene	--	45,000[4]	**2.6**	**47**	**140**	**0.13 J**	--	**1.9**	**20**	**0.069**	< 0.0098	< 0.0098	< 0.0099
Anthracene	50,000	230,000	**4**	**45**	**76**	**0.097 J**	--	**1.6**	**46**	**0.084**	< 0.0098	< 0.0098	< 0.0099
Benzo(a)anthracene	16	2.9	**8.5**	**66**	**80**	**0.17 J**	--	**6**	**110**	**0.13**	< 0.0098	< 0.0098	< 0.0099
Benzo(a)pyrene	1.6	0.29	**13**	**110**	**120**	**0.29 J**	--	**11**	**110**	**0.14**	< 0.0098	< 0.0098	< 0.0099
Benzo(A)Pyrene Equivalent (1/2 RL substituted for ND)	0.9[5]	0.9[5]	**16.93**	**143.31**	**158.38**	**0.36**	--	**14.19**	**147.97**	**0.19**	**0.01**	**0.01**	**0.01**
Benzo(b)fluoranthene	16	2.9	**8.8**	**72**	**75**	**0.20 J**	--	**7.7**	**57**	**0.076**	< 0.0098	< 0.0098	< 0.0099
Benzo(g,h,i)perylene	10,000[6]	45,000[6]	**11**	**95**	**120**	**0.19 J**	--	**11**	**68**	**0.077**	< 0.0098	**0.011**	< 0.0099
Benzo(k)fluoranthene	150	29	**8**	**63**	**68**	**0.16 J**	--	**6.8**	**86**	**0.11**	< 0.0098	< 0.0098	< 0.0099
Chrysene	1,500	260	**11**	**84**	**100**	**0.24 J**	--	**7.2**	**110**	**0.13**	< 0.0098	< 0.0098	< 0.0099
Dibenz(a,h)anthracene	1.6	0.29	**1.3**	**12**	**14**	**0.018 J**	--	**1.1**	**15**	**0.021**	< 0.0098	< 0.0098	< 0.0099
Fluoranthene	6,700	30,000	**30**	**260**	**350**	**0.64**	--	**18**	**250**	**0.29**	< 0.0098	**0.012**	< 0.0099
Fluorene	6,700	30,000	**1.3**	**37**	**67**	**0.065 J**	--	< 1.0	**36**	**0.052**	< 0.0098	< 0.0098	< 0.0099
Indeno(1,2,3-cd)pyrene	16	2.9	**8.1**	**68**	**81**	**0.16 J**	--	**6.4**	**53**	**0.065**	< 0.0098	< 0.0098	< 0.0099
Naphthalene	350	14	**3.4**	**1,500**	**1,200**	**0.24 J**	--	< 1.0	**100**	**0.23**	< 0.0098	< 0.0098	< 0.0099
Pentachlorophenol	20	4	--	--	--	--	--	--	--	--	--	--	--
Phenanthrene	6,700[6]	30,000[6]	**27**	**290**	**630**	**0.63**	--	**11**	**290**	**0.36**	< 0.0098	**0.011**	< 0.0099
Phenol	98,000	350,000	--	--	--	--	--	--	--	--	--	--	--
Pyrene	5,000	23,000	**41**	**290**	**400**	**0.91**	--	**23**	**320**	**0.38**	< 0.0098	**0.025**	< 0.0099

TABLE 1
SUMMARY OF SOIL ANALYTICAL RESULTS
POTRERO POWER PLANT TANK FARM
SAN FRANCISCO, CALIFORNIA

		Location ID	GB-143	GB-143	GB-143	GB-143	GB-144	GB-144	GB-144	GB-144	GB-144	GB-145	GB-145
		Sample ID	GB-143-5.0	GB-143-10.0	GB-143-10.5	GB-143-13.0	GB-144-0.5	GB-144-2.0	GB-144-5.5	GB-144-6.5	GB-144-10.0	GB-145-2.0	GB-145-5.0
		Sample Date	11/09/2017	11/09/2017	11/09/2017	11/09/2017	11/10/2017	11/10/2017	11/10/2017	11/10/2017	11/10/2017	11/14/2017	11/14/2017
		Sample Depth (feet bgs)	5.0	10.0	10.5	13.0	0.5	2.0	5.5	6.5	10.0	2.0	5.0
		Sample Type	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary
Analyte	**Construction Worker Screening Level[1]**	**Commercial/Industrial Screening Level[2]**											
Total Petroleum Hydrocarbons (mg/kg)													
Diesel Range Organics	880	1,100	**660**	**15,000**	**6,000**	< 4.9	--	**510**	**590**	--	< 5.0	< 4.9	< 5.0
Gasoline Range Organics	2,800	3,900	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons (C9-C40)	880	1,100	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons-Motor Oil	32,000	140,000	**960**	**9,900**	**6,100**	< 25	--	**750**	**920**	--	< 25	< 25	< 25
Volatile Organic Compounds (mg/kg)													
1,1,1,2-Tetrachloroethane	340	18	< 0.00082	< 0.45	< 6.7	< 0.00082	--	< 0.00079	< 0.043	--	< 0.00076	< 0.00086	< 0.0010
1,1,1-Trichloroethane	8,800	8,900	< 0.00082	< 0.45	< 6.7	< 0.00082	--	< 0.00079	< 0.043	--	< 0.00076	< 0.00086	< 0.0010
1,1,2,2-Tetrachloroethane	44	2.3	< 0.0016	< 0.89	< 13	< 0.0016	--	< 0.0016	< 0.087	--	< 0.0015	< 0.0017	< 0.0020
1,1,2-Trichloroethane	5.2	4.2	< 0.00082	< 0.45	< 6.7	< 0.00082	--	< 0.00079	< 0.043	--	< 0.00076	< 0.00086	< 0.0010
1,1-Dichloroethane	390	17	< 0.00082	< 0.45	< 6.7	< 0.00082	--	< 0.00079	< 0.043	--	< 0.00076	< 0.00086	< 0.0010
1,1-Dichloroethene	390	400	< 0.00082	< 0.45	< 6.7	< 0.00082	--	< 0.00079	< 0.043	--	< 0.00076	< 0.00086	< 0.0010 J
1,1-Dichloropropane	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	--	--	< 0.0016	< 0.89	< 13	< 0.0016	--	< 0.0016	< 0.087	--	< 0.0015	< 0.0017	< 0.0020
1,2,3-Trichlorobenzene	--	310[7]	< 0.0016	< 0.89	< 13	< 0.0016	--	< 0.0016	< 0.087	--	< 0.0015	< 0.0017	< 0.0020
1,2,3-Trichloropropane	--	0.021[7]	< 0.0016	< 0.89	< 13	< 0.0016	--	< 0.0016	< 0.087	--	< 0.0015	< 0.0017	< 0.0020
1,2,4-Trichlorobenzene	310	110	< 0.0016	< 0.89	< 13	< 0.0016	--	< 0.0016	< 0.087	--	< 0.0015	< 0.0017	< 0.0020
1,2,4-Trimethylbenzene	--	1,800[4]	< 0.0016	**1.4**	< 13	< 0.0016	--	< 0.0016	**0.092**	--	< 0.0015	< 0.0017	< 0.0020
1,2-Dibromo-3-chloropropane (DBCP)	1.3	0.072	< 0.0041	< 2.2	< 34	< 0.0041	--	< 0.0040	< 0.22	--	< 0.0038	< 0.0043	< 0.0051
1,2-Dibromoethane (Ethylene Dibromide)	3.2	0.16	< 0.00082	< 0.45	< 6.7	< 0.00082	--	< 0.00079	< 0.043	--	< 0.00076	< 0.00086	< 0.0010 J
1,2-Dichlorobenzene	8,500	11,000	< 0.00082	< 0.45	< 6.7	< 0.00082	--	< 0.00079	< 0.043	--	< 0.00076	< 0.00086	< 0.0010
1,2-Dichloroethane	37	1.6	< 0.00082	< 0.45	< 6.7	< 0.00082	--	< 0.00079	< 0.043	--	< 0.00076	< 0.00086	< 0.0010 J
1,2-Dichloropropane	58	3.9	< 0.00082	< 0.45	< 6.7	< 0.00082	--	< 0.00079	< 0.043	--	< 0.00076	< 0.00086	< 0.0010
1,3,5-Trimethylbenzene	--	1,500[4]	< 0.0016	< 0.89	< 13	< 0.0016	--	< 0.0016	< 0.087	--	< 0.0015	< 0.0017	< 0.0020
1,3-Dichlorobenzene	--	--	< 0.00082	< 0.45	< 6.7	< 0.00082	--	< 0.00079	< 0.043	--	< 0.00076	< 0.00086	< 0.0010
1,3-Dichloropropane	--	2,200[7]	< 0.00082	< 0.45	< 6.7	< 0.00082	--	< 0.00079	< 0.043	--	< 0.00076	< 0.00086	< 0.0010
1,3-Dichloropropene	29	1.2	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	310	13	< 0.00082	< 0.45	< 6.7	< 0.00082	--	< 0.00079	< 0.043	--	< 0.00076	< 0.00086	< 0.0010
1-Methylethyl-benzene A	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	--	--	< 0.0041	< 2.2	< 34	< 0.0041	--	< 0.0040	< 0.22	--	< 0.0038	< 0.0043	< 0.0051
2-Butanone (Methyl Ethyl Ketone)	--	190,000[4]	< 0.016	< 8.9	< 130	< 0.016	--	< 0.016	< 0.87	--	< 0.015	< 0.017	< 0.020
2-Chlorotoluene	--	2,600[7]	< 0.00082	< 0.45	< 6.7	< 0.00082	--	< 0.00079	< 0.043	--	< 0.00076	< 0.00086	< 0.0010
2-Hexanone	--	1,300[4]	< 0.016	< 8.9	< 130	< 0.016	--	< 0.016	< 0.87	--	< 0.015	< 0.017	< 0.020
2-Phenylbutane (sec-Butylbenzene)	--	12,000[7]	< 0.00082	< 0.45	< 6.7	< 0.00082	--	< 0.00079	< 0.043	--	< 0.00076	< 0.00086	< 0.0010
4-Chlorotoluene	--	2,300[7]	< 0.00082	< 0.45	< 6.7	< 0.00082	--	< 0.00079	< 0.043	--	< 0.00076	< 0.00086	< 0.0010
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	--	140,000[4]	< 0.016	< 8.9	< 130	< 0.016	--	< 0.016	< 0.87	--	< 0.015	< 0.017	< 0.020
Acetone	260,000	630,000	< 0.041	< 22	< 340	< 0.041	--	< 0.040	< 2.2	--	< 0.038	< 0.043	< 0.051
Benzene	24	1	**0.0084**	**5.8**	**56**	**0.0014**	--	**0.009**	**0.28**	--	< 0.00076	< 0.00086	< 0.0010
Bromobenzene	--	1,800[4]	< 0.00082	< 0.45	< 6.7	< 0.00082	--	< 0.00079	< 0.043	--	< 0.00076	< 0.00086	< 0.0010
Bromodichloromethane	47	2.3	< 0.00082	< 0.45	< 6.7	< 0.00082	--	< 0.00079	< 0.043	--	< 0.00076	< 0.00086	< 0.0010
Bromoform	2,200	300	< 0.0041	< 2.2	< 34	< 0.0041	--	< 0.0040	< 0.22	--	< 0.0038	< 0.0043	< 0.0051
Bromomethane (Methyl Bromide)	34	36	< 0.016	< 8.9	< 130	< 0.016	--	< 0.016	< 0.87	--	< 0.015	< 0.017	< 0.020
Carbon disulfide	--	3,500[4]	< 0.0082	< 4.5	< 67	< 0.0082	--	< 0.0079	< 0.43	--	< 0.0076	< 0.0086	< 0.010
Carbon tetrachloride	13	0.54	< 0.00082	< 0.45	< 6.7	< 0.00082	--	< 0.00079	< 0.043	--	< 0.00076	< 0.00086	< 0.0010
Chlorobenzene	1,100	1,200	< 0.00082	< 0.45	< 6.7	< 0.00082	--	< 0.00079	< 0.043	--	< 0.00076	< 0.00086	< 0.0010 J
Chlorobromomethane	--	630[4]	< 0.0016	< 0.89	< 13	< 0.0016	--	< 0.0016	< 0.087	--	< 0.0015	< 0.0017	< 0.0020
Chloroethane	53,000	53,000	< 0.0016	< 0.89	< 13	< 0.0016	--	< 0.0016	< 0.087	--	< 0.0015	< 0.0017	< 0.0020
Chloroform (Trichloromethane)	32	1.3	< 0.00082	< 0.45	< 6.7	< 0.00082	--	< 0.00079	< 0.043	--	< 0.00076	< 0.00086	< 0.0010
Chloromethane (Methyl Chloride)	430	430	< 0.016	< 8.9	< 130	< 0.016	--	< 0.016	< 0.87	--	< 0.015	< 0.017	< 0.020
cis-1,2-Dichloroethene	82	90	< 0.00082	< 0.45	< 6.7	< 0.00082	--	< 0.00079	< 0.043	--	< 0.00076	< 0.00086	< 0.0010
cis-1,3-Dichloropropene	--	8.2[4]	< 0.00082	< 0.45	< 6.7	< 0.00082	--	< 0.00079	< 0.043	--	< 0.00076	< 0.00086	< 0.0010
Cyclohexanone	--	130,000[4]	< 0.041	< 22	< 340	< 0.041	--	< 0.040	< 2.2	--	< 0.038	< 0.043	< 0.051
Cymene (p-Isopropyltoluene)	--	--	< 0.00082	< 0.45	< 6.7	< 0.00082	--	< 0.00079	< 0.043	--	< 0.00076	< 0.00086	< 0.0010
Dibromochloromethane	290	39	< 0.0016	< 0.89	< 13	< 0.0016	--	< 0.0016	< 0.087	--	< 0.0015	< 0.0017	< 0.0020
Dibromomethane	--	99[4]	< 0.00082	< 0.45	< 6.7	< 0.00082	--	< 0.00079	< 0.043	--	< 0.00076	< 0.00086	< 0.0010
Dichlorodifluoromethane (CFC-12)	--	370[4]	< 0.0016	< 0.89	< 13	< 0.0016	--	< 0.0016	< 0.087	--	< 0.0015	< 0.0017	< 0.0020
Diisopropyl ether (DIPE)	--	9,400[4]	< 0.00082	< 0.45	< 6.7	< 0.00082	--	< 0.00079	< 0.043	--	< 0.00076	< 0.00086	< 0.0010 J
Ethanol	--	--	< 0.41	< 220	< 3,400	< 0.41	--	< 0.40	< 22	--	< 0.38	< 0.43	< 0.51
Ethylbenzene	480	22	< 0.00082	**15**	**24**	< 0.00082	--	< 0.00079	< 0.043	--	< 0.00076	< 0.00086	< 0.0010
Hexachlorobutadiene	310	42	--	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene (Cumene)	--	9,900[4]	< 0.00082	< 0.45	< 6.7	< 0.00082	--	< 0.00079	< 0.043	--	< 0.00076	< 0.00086	< 0.0010
m,p-Xylenes	2,400	2,400	< 0.0016	**2**	< 13	< 0.0016	--	< 0.0016	**0.23**	--	< 0.0015	< 0.0017	< 0.0020 J

TABLE 1
SUMMARY OF SOIL ANALYTICAL RESULTS
POTRERO POWER PLANT TANK FARM
SAN FRANCISCO, CALIFORNIA

		Location ID	**GB-143**	**GB-143**	**GB-143**	**GB-143**	**GB-144**	**GB-144**	**GB-144**	**GB-144**	**GB-144**	**GB-145**	**GB-145**
		Sample ID	GB-143-5.0	GB-143-10.0	GB-143-10.5	GB-143-13.0	GB-144-0.5	GB-144-2.0	GB-144-5.5	GB-144-6.5	GB-144-10.0	GB-145-2.0	GB-145-5.0
		Sample Date	11/09/2017	11/09/2017	11/09/2017	11/09/2017	11/10/2017	11/10/2017	11/10/2017	11/10/2017	11/10/2017	11/14/2017	11/14/2017
		Sample Depth (feet bgs)	5.0	10.0	10.5	13.0	0.5	2.0	5.5	6.5	10.0	2.0	5.0
		Sample Type	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary
Analyte	**Construction Worker Screening Level[1]**	**Commercial/Industrial Screening Level[2]**											
Methyl Tert Butyl Ether	3,700	180	< 0.0016	< 0.89	< 13	< 0.0016	--	< 0.0016	< 0.087	--	< 0.0015	< 0.0017	< 0.0020 J
Methylene chloride	500	25	< 0.0082	< 4.5	< 67	< 0.0082	--	< 0.0079	< 0.43	--	< 0.0076	< 0.0086	< 0.010
Naphthalene	350	14	**0.019**	**940**	**35,000**	**0.087**	--	< 0.0079	**5.2**	--	< 0.0076	< 0.0086	< 0.010
n-Butylbenzene	--	6,400[7]	< 0.00082	< 0.45	< 6.7	< 0.00082	--	< 0.00079	< 0.043	--	< 0.00076	< 0.00086	< 0.0010
n-Propylbenzene	--	24,000	< 0.0016	< 0.89	< 13	< 0.0016	--	< 0.0016	< 0.087	--	< 0.0015	< 0.0017	< 0.0020
o-Xylene	2,400	2,400	< 0.00082	**1.8**	< 6.7	< 0.00082	--	< 0.00079	**0.085**	--	< 0.00076	< 0.00086	< 0.0010 J
Styrene	29,000	40,000	< 0.00082	< 0.45	< 6.7	< 0.00082	--	< 0.00079	**0.044**	--	< 0.00076	< 0.00086	< 0.0010
t-Amyl Alcohol	--	340[4]	< 0.041	< 22	< 340	< 0.041	--	< 0.040	< 2.2	--	< 0.038	< 0.043	< 0.051
Tert-Amyl Methyl Ether (TAME)	--	--	< 0.00082	< 0.45	< 6.7	< 0.00082	--	< 0.00079	< 0.043	--	< 0.00076	< 0.00086	< 0.0010 J
Tert-Butyl Alcohol (tert-Butanol)	--	--	< 0.016	< 8.9	< 130	< 0.016	--	< 0.016 J	< 0.87	--	< 0.015	< 0.017	< 0.020 J
Tert-Butyl Ethyl Ether (ETBE)	--	--	< 0.00082	< 0.45	< 6.7	< 0.00082	--	< 0.00079	< 0.043	--	< 0.00076	< 0.00086	< 0.0010 J
tert-Butylbenzene	--	12,000[7]	< 0.00082	< 0.45	< 6.7	< 0.00082	--	< 0.00079	< 0.043	--	< 0.00076	< 0.00086	< 0.0010
Tetrachloroethene	33	2.7	< 0.00082	< 0.45	< 6.7	< 0.00082	--	< 0.00079	< 0.043	--	< 0.00076	< 0.00086	< 0.0010
Toluene	4,100	4,600	< 0.00082	**2.8**	**18**	< 0.00082	--	< 0.00079	**0.32**	--	< 0.00076	< 0.00086	< 0.0010
trans-1,2-Dichloroethene	680	730	< 0.00082	< 0.45	< 6.7	< 0.00082	--	< 0.00079	< 0.043	--	< 0.00076	< 0.00086	< 0.0010
trans-1,3-Dichloropropene	--	8.2[4]	< 0.0016	< 0.89	< 13	< 0.0016	--	< 0.0016	< 0.087	--	< 0.0015	< 0.0017	< 0.0020
Trichloroethene	23	8	< 0.0016	< 0.89	< 13	< 0.0016	--	< 0.0016	< 0.087	--	< 0.0015	< 0.0017	< 0.0020 J
Trichlorofluoromethane (CFC-11)	--	5,400[7]	< 0.0082	< 4.5	< 67	< 0.0082	--	< 0.0079	< 0.43	--	< 0.0076	< 0.0086	< 0.010
Trifluorotrichloroethane (Freon 113)	--	28,000[4]	< 0.0082	< 4.5	< 67	< 0.0082	--	< 0.0079	< 0.43	--	< 0.0076	< 0.0086	< 0.010
Vinyl acetate	--	3,800[4]	< 0.0082	< 4.5	< 67	< 0.0082	--	< 0.0079	< 0.43	--	< 0.0076	< 0.0086	< 0.010
Vinyl chloride	3.4	0.15	< 0.00082	< 0.45	< 6.7	< 0.00082	--	< 0.00079	< 0.043	--	< 0.00076	< 0.00086	< 0.0010
Xylene (total)	2,400	2,400	--	--	--	--	--	--	--	--	--	--	--
Inorganic Compounds													
Asbestos (%)	--	--	< 0	< 0	< 0	< 0	--	< 0	< 0	--	< 0	< 0.25	**8.5**
Total Cyanide (mg/kg)	--	--	--	--	**2**	--	--	--	**11**	--	--	--	--
Total phenols (mg/kg)	--	--	--	--	--	--	--	--	--	--	--	--	--

Notes
Volatile Organic Compounds (VOCs) analyzed by EPA Method 8260B
Semi-Volatile Organic Compounds (SVOCs) analyzed by EPA Method 8270 SIM
Metals analyzed by EPA Methods 6010B/7471A
Polychlorinated Biphenyls analyzed by EPA Method 8082
Total Petroleum Hydrocarbons analyzed by EPA Method 8015B
Total Cyanide analyzed by EPA Method 9014
Asbestos analyzed by CARB 435

Soil Screening Levels:
1. Environmental Screening Levels (ESLs), Table S-1: Direct Exposure soil Screening Levels, Commercial/Industrial Worker Exposure Scenario, Most Stringent (Water Board, February 2016).
2. Environmental Screening Levels (ESLs), Table S-1: Direct Exposure soil Screening Levels, Construction Worker Exposure Scenario, Most Stringent (Water Board, February 2016).
3. Arsenic concentrations are compared to the background threshold value of 12 mg/kg developed for the adjacent Station A Area (AMEC, 2011).
4. USEPA Regional Screening Level (RSL) for industrial soil endorsed by DTSC (USEPA, November 2017).
5. 0.9 mg/kg B(a)P WQ is the 95th perecentile of the northern California ambient data set for surface soil. The range of ambient concentrations in the northern California ambient data set is non-detect to 2.8 mg/kg.
6. Due to the lack of published screening criteria, the screening levels for acenaphthene and fluoranthene were selected to screen the results for benzo(g,h,i)perylene and phenanthrene, respectively, due to the similar chemical structure.
7. DTSC Modified screening level for industrial soil (DTSC, January 2018)

B(a)P EQ were calculated using potency equivalency factors from the DTSC Preliminary Endangerment Assessment Guidance Manual
BOLD = concentration detected above the laboratory reporting limi
Orange highlight = result exceeded the referenced Construction Worker Screening Level
Green highlight = result exceeded the referenced Commercial/Industrial Screening Level

Abbreviations:
< = analyte not detected above the indicated reporting limit.
J = estimated concentration.
R = rejected result
-- = not analyzed or not applicable.
mg/kg = milligrams per kilogram
ft bgs = feet below ground surface

TABLE 1
SUMMARY OF SOIL ANALYTICAL RESULTS
POTRERO POWER PLANT TANK FARM
SAN FRANCISCO, CALIFORNIA

		Location ID	GB-145	GB-145	GB-145	GB-145	GB-146	GB-146	GB-146A	GB-146A	GB-147	GB-147	GB-147
		Sample ID	GB-145-7.0	GB-145-14.0	GB-145-19.0	GB-145-23.0	GB-146-1.0	GB-146-4.0	GB-146A-7.5	GB-146A-11.0	GB-147-0.5	GB-147-2.0	GB-147-5.0
		Sample Date	11/14/2017	11/14/2017	11/14/2017	11/14/2017	12/05/2017	12/05/2017	01/05/2018	01/05/2018	11/10/2017	11/10/2017	11/10/2017
		Sample Depth (feet bgs)	7.0	14.0	19.0	23.0	1.0	4.0	7.5	11.0	0.5	2.0	5.0
		Sample Type	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary
Analyte	**Construction Worker Screening Level[1]**	**Commercial/Industrial Screening Level[2]**											
Metals (mg/kg)													
Antimony	140	470	< 0.732 R	< 0.758 R	--	--	< 0.765	< 0.746 J	--	--	--	< 0.754 J	< 0.758 J
Arsenic	12[3]	12[3]	**3.66**	< 0.758	--	--	**3.53**	**3.01**	--	--	--	**4.7**	**0.899**
Barium	3,000	220,000	**12.3**	**303**	--	--	**80.3**	**474**	--	--	--	**96.7**	**199**
Beryllium	42	2,200	< 0.244	**0.531**	--	--	< 0.255	**0.51**	--	--	--	**0.269**	**0.354**
Cadmium	43	580	< 0.488	**0.907**	--	--	< 0.510	< 0.498	--	--	--	< 0.503	**0.863**
Chromium	530,000	1,800,000	**687**	**160**	--	--	**22.1**	**67.7**	--	--	--	**74.1 J**	**153 J**
Cobalt	28	350	**60.4**	**40.2**	--	--	**7.1**	**21.1**	--	--	--	**14.3**	**34.9**
Copper	14,000	47,000	**8.74**	**62.1**	--	--	**23.7**	**71.3**	--	--	--	**33.6**	**76.9**
Lead	160	320	**1.84**	**3.54**	--	--	**14.9**	**51.7 J**	--	--	**32.8**	**85.1**	**18.3**
Mercury	44	190	< 0.0794	< 0.0794	--	--	**0.211**	**0.188**	--	--	--	**0.252**	< 0.0862
Molybdenum	1,800	5,800	< 0.244	< 0.253	--	--	< 0.255	< 0.249	--	--	--	< 0.251	< 0.253
Nickel	86	11,000	**1,230**	**168**	--	--	**123**	**79.3**	--	--	--	**114**	**191**
Selenium	1,700	5,800	< 0.732	< 0.758	--	--	< 0.765	< 0.746	--	--	--	< 0.754	< 0.758
Silver	1,800	5,800	< 0.244	< 0.253	--	--	< 0.255	< 0.249	--	--	--	< 0.251	< 0.253
Thallium	3.5	12	**1.38 J**	< 0.758 J	--	--	**0.811**	< 0.746	--	--	--	< 0.754	< 0.758
Vanadium	470	5,800	**17.7**	**154**	--	--	**60.4**	**83.5**	--	--	--	**41.4**	**117**
Zinc	110,000	350,000	**16.8**	**54**	--	--	**50.2**	**52.2 J**	--	--	--	**123**	**52.5**
Polychlorinated Biphenyls (mg/kg)													
Aroclor-1016 (PCB-1016)	5.6	1.0	--	--	--	--	< 0.050	--	--	--	--	< 0.049	--
Aroclor-1221 (PCB-1221)	5.6	1.0	--	--	--	--	< 0.050	--	--	--	--	< 0.049	--
Aroclor-1232 (PCB-1232)	5.6	1.0	--	--	--	--	< 0.050	--	--	--	--	< 0.049	--
Aroclor-1242 (PCB-1242)	5.6	1.0	--	--	--	--	< 0.050	--	--	--	--	< 0.049	--
Aroclor-1248 (PCB-1248)	5.6	1.0	--	--	--	--	< 0.050	--	--	--	--	< 0.049	--
Aroclor-1254 (PCB-1254)	5.6	1.0	--	--	--	--	< 0.050	--	--	--	--	< 0.049	--
Aroclor-1260 (PCB-1260)	5.6	1.0	--	--	--	--	< 0.050	--	--	--	--	< 0.049	--
Aroclor-1262 (PCB-1262)	5.6	1.0	--	--	--	--	< 0.050	--	--	--	--	< 0.049	--
Aroclor-1268 (PCB-1268)	5.6	1.0	--	--	--	--	< 0.050	--	--	--	--	< 0.049	--
Semi-Volatile Organic Compounds (mg/kg)													
1-Methylnaphthalene	--	--	< 0.0099	**0.18**	--	--	**0.3**	**280**	**67**	**16**	--	< 0.10	**4.2**
2,4,6-Trichlorophenol	350	47	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	1,100	3,500	--	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	7,100	23,000	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	710	2,300	--	--	--	--	--	--	--	--	--	--	--
2,6-Dichlorophenol	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	1,800	5,800	--	--	--	--	--	--	--	--	--	--	--
2-Methylnaphthalene	670	3,000	< 0.0099	< 0.098	--	--	**0.52**	**490**	< 2.0	< 1.0	--	< 0.10	< 0.99
2-Methylphenol (o-Cresol)	--	41,000[4]	--	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	--	--	--	--	--	--	--	--	--	--	--	--	--
3&4-Methylphenol	--	--	--	--	--	--	--	--	--	--	--	--	--
3/4-Methylphenols (p/m-Cresol) A	--	41,000[4]	--	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	--	66[4]	--	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	--	--	--	--	--	--	--	--	--	--	--	--	--
Acenaphthene	10,000	45,000	< 0.0099	**1.4**	--	--	< 0.20	**74**	**160**	**13**	--	< 0.10	**7.1**
Acenaphthylene	--	45,000[4]	< 0.0099	**0.13**	--	--	**8.1**	**79**	**99**	**11**	--	**0.23**	**1**
Anthracene	50,000	230,000	< 0.0099	**0.27**	--	--	**6**	**240**	**230**	**28**	--	**0.14**	**2.9**
Benzo(a)anthracene	16	2.9	< 0.0099	**0.51**	--	--	**35**	**280**	**300**	**35**	--	**0.36**	**4.2**
Benzo(a)pyrene	1.6	0.29	< 0.0099	**0.42**	--	--	**220**	**310**	**360**	**37**	--	**0.59**	**4.8**
Benzo(A)Pyrene Equivalent (1/2 RL substituted for ND)	0.9[5]	0.9[5]	**0.01**	**0.56**	--	--	**261.93**	**401.41**	**467.72**	**50**	--	**0.77**	**6.42**
Benzo(b)fluoranthene	16	2.9	< 0.0099	**0.18**	--	--	**68**	**140**	**180**	**21**	--	**0.47**	**2.9**
Benzo(g,h,i)perylene	10,000[6]	45,000[6]	**0.013**	**0.27**	--	--	**630**	**150**	**220**	**20**	--	**0.71**	**6.4**
Benzo(k)fluoranthene	150	29	< 0.0099	**0.31**	--	--	**58**	**210**	**240**	**26**	--	**0.41**	**3.3**
Chrysene	1,500	260	**0.01**	**0.69**	--	--	**54**	**310**	**320**	**36**	--	**0.47**	**5.1**
Dibenz(a,h)anthracene	1.6	0.29	< 0.0099	< 0.098	--	--	**14**	**34**	**39**	**5.3**	--	< 0.10	< 0.99
Fluoranthene	6,700	30,000	**0.014**	**0.71**	--	--	**75**	**1,100**	**680**	**100**	--	**1.3**	**10**
Fluorene	6,700	30,000	< 0.0099	**0.81**	--	--	**0.96**	**400**	**140**	**26**	--	< 0.10	**3**
Indeno(1,2,3-cd)pyrene	16	2.9	< 0.0099	**0.2**	--	--	**170**	**130**	**180**	**18**	--	**0.44**	**3.8**
Naphthalene	350	14	< 0.0099	< 0.098	--	--	**4.2**	**9,500**	**32**	**7.8**	--	**0.31**	**1.7**
Pentachlorophenol	20	4	--	--	--	--	--	--	--	--	--	--	--
Phenanthrene	6,700[6]	30,000[6]	**0.013**	**1.1**	--	--	**41**	**2,500**	**760**	**110**	--	**1.3**	**15**
Phenol	98,000	350,000	--	--	--	--	--	--	--	--	--	--	--
Pyrene	5,000	23,000	**0.029**	**2.2**	--	--	**320**	**1,400**	**750**	**140**	--	**2.1**	**18**

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SAN FRANCISCO, CALIFORNIA

		Location ID	GB-145	GB-145	GB-145	GB-145	GB-146	GB-146	GB-146A	GB-146A	GB-147	GB-147	GB-147
		Sample ID	GB-145-7.0	GB-145-14.0	GB-145-19.0	GB-145-23.0	GB-146-1.0	GB-146-4.0	GB-146A-7.5	GB-146A-11.0	GB-147-0.5	GB-147-2.0	GB-147-5.0
		Sample Date	11/14/2017	11/14/2017	11/14/2017	11/14/2017	12/05/2017	12/05/2017	01/05/2018	01/05/2018	11/10/2017	11/10/2017	11/10/2017
		Sample Depth (feet bgs)	7.0	14.0	19.0	23.0	1.0	4.0	7.5	11.0	0.5	2.0	5.0
		Sample Type	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary
Analyte	**Construction Worker Screening Level[1]**	**Commercial/Industrial Screening Level[2]**											
Total Petroleum Hydrocarbons (mg/kg)													
Diesel Range Organics	880	1,100	< 5.1	**6,600**	< 4.9	< 5.1	**1,500**	**52,000**	**3,900**	**900**	--	**50**	**2,600**
Gasoline Range Organics	2,800	3,900	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons (C9-C40)	880	1,100	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons-Motor Oil	32,000	140,000	< 25	**4,600**	< 25	< 25	**3,000**	**39,000**	**4,700**	**960**	--	**150**	**3,100**
Volatile Organic Compounds (mg/kg)													
1,1,1,2-Tetrachloroethane	340	18	< 0.0010	< 0.034	--	--	< 0.066	< 4.4	--	--	--	< 0.00098	< 0.043
1,1,1-Trichloroethane	8,800	8,900	< 0.0010	< 0.034	--	--	< 0.066	< 4.4	--	--	--	< 0.00098	< 0.043
1,1,2,2-Tetrachloroethane	44	2.3	< 0.0020	< 0.068	--	--	< 0.13	< 8.9	--	--	--	< 0.0020	< 0.086
1,1,2-Trichloroethane	5.2	4.2	< 0.0010	< 0.034	--	--	< 0.066	< 4.4	--	--	--	< 0.00098	< 0.043
1,1-Dichloroethane	390	17	< 0.0010	< 0.034	--	--	< 0.066	< 4.4	--	--	--	< 0.00098	< 0.043
1,1-Dichloroethene	390	400	< 0.0010	< 0.034	--	--	< 0.066	< 4.4	--	--	--	< 0.00098	< 0.043
1,1-Dichloropropane	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	--	--	< 0.0020	< 0.068	--	--	< 0.13	< 8.9	--	--	--	< 0.0020	< 0.086
1,2,3-Trichlorobenzene	--	310[7]	< 0.0020	< 0.068	--	--	< 0.13	< 8.9	--	--	--	< 0.0020	< 0.086
1,2,3-Trichloropropane	--	0.021[7]	< 0.0020	< 0.068	--	--	< 0.13	< 8.9	--	--	--	< 0.0020	< 0.086
1,2,4-Trichlorobenzene	310	110	< 0.0020	< 0.068	--	--	< 0.13	< 8.9	--	--	--	< 0.0020	< 0.086
1,2,4-Trimethylbenzene	--	1,800[4]	< 0.0020	< 0.068	--	--	< 0.13	**9.9**	--	--	--	< 0.0020	< 0.086
1,2-Dibromo-3-chloropropane (DBCP)	1.3	0.072	< 0.0051	< 0.17	--	--	< 0.33	< 22	--	--	--	< 0.0049	< 0.21
1,2-Dibromoethane (Ethylene Dibromide)	3.2	0.16	< 0.0010	< 0.034	--	--	< 0.066	< 4.4	--	--	--	< 0.00098	< 0.043
1,2-Dichlorobenzene	8,500	11,000	< 0.0010	< 0.034	--	--	< 0.066	< 4.4	--	--	--	< 0.00098	< 0.043
1,2-Dichloroethane	37	1.6	< 0.0010	< 0.034	--	--	< 0.066	< 4.4	--	--	--	< 0.00098	< 0.043
1,2-Dichloropropane	58	3.9	< 0.0010	< 0.034	--	--	< 0.066	< 4.4	--	--	--	< 0.00098	< 0.043
1,3,5-Trimethylbenzene	--	1,500[4]	< 0.0020	< 0.068	--	--	< 0.13	< 8.9	--	--	--	< 0.0020	< 0.086
1,3-Dichlorobenzene	--	--	< 0.0010	< 0.034	--	--	< 0.066	< 4.4	--	--	--	< 0.00098	< 0.043
1,3-Dichloropropane	--	2,200[7]	< 0.0010	< 0.034	--	--	< 0.066	< 4.4	--	--	--	< 0.00098	< 0.043
1,3-Dichloropropene	29	1.2	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	310	13	< 0.0010	< 0.034	--	--	< 0.066	< 4.4	--	--	--	< 0.00098	< 0.043
1-Methylethyl-benzene A	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	--	--	< 0.0051	< 0.17	--	--	< 0.33	< 22	--	--	--	< 0.0049	< 0.21
2-Butanone (Methyl Ethyl Ketone)	--	190,000[4]	< 0.020	< 0.68	--	--	< 1.3	< 89	--	--	--	< 0.020	< 0.86
2-Chlorotoluene	--	2,600[7]	< 0.0010	< 0.034	--	--	< 0.066	< 4.4	--	--	--	< 0.00098	< 0.043
2-Hexanone	--	1,300[4]	< 0.020	< 0.68	--	--	< 1.3	< 89	--	--	--	< 0.020	< 0.86
2-Phenylbutane (sec-Butylbenzene)	--	12,000[7]	< 0.0010	< 0.034	--	--	< 0.066	< 4.4	--	--	--	< 0.00098	**0.4**
4-Chlorotoluene	--	2,300[7]	< 0.0010	< 0.034	--	--	< 0.066	< 4.4	--	--	--	< 0.00098	< 0.043
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	--	140,000[4]	< 0.020	< 0.68	--	--	< 1.3	< 89	--	--	--	< 0.020	< 0.86
Acetone	260,000	630,000	< 0.051	< 1.7	--	--	< 3.3	< 220	--	--	--	< 0.049	< 2.1
Benzene	24	1	< 0.0010	< 0.034	--	--	**0.082**	**11**	< 0.38	--	--	**0.0012**	**0.14**
Bromobenzene	--	1,800[4]	< 0.0010	< 0.034	--	--	< 0.066	< 4.4	--	--	--	< 0.00098	< 0.043
Bromodichloromethane	47	2.3	< 0.0010	< 0.034	--	--	< 0.066	< 4.4	--	--	--	< 0.00098	< 0.043
Bromoform	2,200	300	< 0.0051	< 0.17	--	--	< 0.33	< 22	--	--	--	< 0.0049	< 0.21
Bromomethane (Methyl Bromide)	34	36	< 0.020	< 0.68	--	--	< 1.3	< 89	--	--	--	< 0.020	< 0.86
Carbon disulfide	--	3,500[4]	< 0.010	< 0.34	--	--	< 0.66	< 44	--	--	--	< 0.0098	< 0.43
Carbon tetrachloride	13	0.54	< 0.0010	< 0.034	--	--	< 0.066	< 4.4	--	--	--	< 0.00098	< 0.043
Chlorobenzene	1,100	1,200	< 0.0010	< 0.034	--	--	< 0.066	< 4.4	--	--	--	< 0.00098	< 0.043
Chlorobromomethane	--	630[4]	< 0.0020	< 0.068	--	--	< 0.13	< 8.9	--	--	--	< 0.0020	< 0.086
Chloroethane	53,000	53,000	< 0.0020	< 0.068	--	--	< 0.13	< 8.9	--	--	--	< 0.0020	< 0.086
Chloroform (Trichloromethane)	32	1.3	< 0.0010	< 0.034	--	--	< 0.066	< 4.4	--	--	--	< 0.00098	< 0.043
Chloromethane (Methyl Chloride)	430	430	< 0.020	< 0.68	--	--	< 1.3	< 89	--	--	--	< 0.020	< 0.86
cis-1,2-Dichloroethene	82	90	< 0.0010	< 0.034	--	--	< 0.066	< 4.4	--	--	--	< 0.00098	< 0.043
cis-1,3-Dichloropropene	--	8.2[4]	< 0.0010	< 0.034	--	--	< 0.066	< 4.4	--	--	--	< 0.00098	< 0.043
Cyclohexanone	--	130,000[4]	< 0.051	< 1.7	--	--	< 3.3	< 220	--	--	--	< 0.049	< 2.1
Cymene (p-Isopropyltoluene)	--	--	< 0.0010	< 0.034	--	--	< 0.066	< 4.4	--	--	--	< 0.00098	< 0.043
Dibromochloromethane	290	39	< 0.0020	< 0.068	--	--	< 0.13	< 8.9	--	--	--	< 0.0020	< 0.086
Dibromomethane	--	99[4]	< 0.0010	< 0.034	--	--	< 0.066	< 4.4	--	--	--	< 0.00098	< 0.043
Dichlorodifluoromethane (CFC-12)	--	370[4]	< 0.0020	< 0.068	--	--	< 0.13	< 8.9	--	--	--	< 0.0020	< 0.086
Diisopropyl ether (DIPE)	--	9,400[4]	< 0.0010	< 0.034	--	--	< 0.066	< 4.4	--	--	--	< 0.00098	< 0.043
Ethanol	--	--	< 0.51	< 17	--	--	< 33	< 2,200	--	--	--	< 0.49	< 21
Ethylbenzene	480	22	< 0.0010	< 0.034	--	--	< 0.066	**33**	< 0.38	--	--	< 0.00098	< 0.043
Hexachlorobutadiene	310	42	--	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene (Cumene)	--	9,900[4]	< 0.0010	< 0.034	--	--	< 0.066	< 4.4	--	--	--	< 0.00098	**0.23**
m,p-Xylenes	2,400	2,400	< 0.0020	< 0.068	--	--	< 0.13	**21**	< 0.77	--	--	< 0.0020	< 0.086

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		Sample ID	GB-145-7.0	GB-145-14.0	GB-145-19.0	GB-145-23.0	GB-146-1.0	GB-146-4.0	GB-146A-7.5	GB-146A-11.0	GB-147-0.5	GB-147-2.0	GB-147-5.0
		Sample Date	11/14/2017	11/14/2017	11/14/2017	11/14/2017	12/05/2017	12/05/2017	01/05/2018	01/05/2018	11/10/2017	11/10/2017	11/10/2017
		Sample Depth (feet bgs)	7.0	14.0	19.0	23.0	1.0	4.0	7.5	11.0	0.5	2.0	5.0
		Sample Type	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary
Analyte	**Construction Worker Screening Level[1]**	**Commercial/Industrial Screening Level[2]**											
Methyl Tert Butyl Ether	3,700	180	< 0.0020	< 0.068	--	--	< 0.13	< 8.9	--	--	--	< 0.0020	< 0.086
Methylene chloride	500	25	< 0.010	< 0.34	--	--	< 0.66	< 44	--	--	--	< 0.0098	< 0.43
Naphthalene	350	14	< 0.010	< 0.34	--	--	**3.4**	**9,300**	--	--	--	< 0.0098	**1.6**
n-Butylbenzene	--	6,400[7]	< 0.0010	< 0.034	--	--	< 0.066	< 4.4	--	--	--	< 0.00098	**0.3**
n-Propylbenzene	--	24,000	< 0.0020	< 0.068	--	--	< 0.13	< 8.9	--	--	--	< 0.0020	**0.15**
o-Xylene	2,400	2,400	< 0.0010	< 0.034	--	--	< 0.066	**11**	< 0.38	--	--	< 0.00098	< 0.043
Styrene	29,000	40,000	< 0.0010	< 0.034	--	--	< 0.066	< 4.4	--	--	--	< 0.00098	< 0.043
t-Amyl Alcohol	--	340[4]	< 0.051	< 1.7	--	--	< 3.3	< 220	--	--	--	< 0.049	< 2.1
Tert-Amyl Methyl Ether (TAME)	--	--	< 0.0010	< 0.034	--	--	< 0.066	< 4.4	--	--	--	< 0.00098	< 0.043
Tert-Butyl Alcohol (tert-Butanol)	--	--	< 0.020	< 0.68	--	--	< 1.3	< 89	--	--	--	< 0.020	< 0.86
Tert-Butyl Ethyl Ether (ETBE)	--	--	< 0.0010	< 0.034	--	--	< 0.066	< 4.4	--	--	--	< 0.00098	< 0.043
tert-Butylbenzene	--	12,000[7]	< 0.0010	< 0.034	--	--	< 0.066	< 4.4	--	--	--	< 0.00098	< 0.043
Tetrachloroethene	33	2.7	< 0.0010	< 0.034	--	--	< 0.066	< 4.4	--	--	--	< 0.00098	< 0.043
Toluene	4,100	4,600	< 0.0010	< 0.034	--	--	< 0.066	< 4.4	< 0.38	--	--	< 0.00098	< 0.043
trans-1,2-Dichloroethene	680	730	< 0.0010	< 0.034	--	--	< 0.066	< 4.4	--	--	--	< 0.00098	< 0.043
trans-1,3-Dichloropropene	--	8.2[4]	< 0.0020	< 0.068	--	--	< 0.13	< 8.9	--	--	--	< 0.0020	< 0.086
Trichloroethene	23	8	< 0.0020	< 0.068	--	--	< 0.13	< 8.9	--	--	--	< 0.0020	< 0.086
Trichlorofluoromethane (CFC-11)	--	5,400[7]	< 0.010	< 0.34	--	--	< 0.66	< 44	--	--	--	< 0.0098	< 0.43
Trifluorotrichloroethane (Freon 113)	--	28,000[4]	< 0.010	< 0.34	--	--	< 0.66	< 44	--	--	--	< 0.0098	< 0.43
Vinyl acetate	--	3,800[4]	< 0.010	< 0.34	--	--	< 0.66	< 44	--	--	--	< 0.0098	< 0.43
Vinyl chloride	3.4	0.15	< 0.0010	< 0.034	--	--	< 0.066	< 4.4	--	--	--	< 0.00098	< 0.043
Xylene (total)	2,400	2,400	--	--	--	--	--	--	--	--	--	--	--
Inorganic Compounds													
Asbestos (%)	--	--	**8.75**	< 0	--	--	< 0	< 0	--	--	--	**0.5**	< 0
Total Cyanide (mg/kg)	--	--	--	< 0.50	--	--	--	**67**	**8**	--	--	**8.2**	--
Total phenols (mg/kg)	--	--	--	--	--	--	--	--	--	--	--	--	--

Notes
Volatile Organic Compounds (VOCs) analyzed by EPA Method 8260B
Semi-Volatile Organic Compounds (SVOCs) analyzed by EPA Method 8270 SIM
Metals analyzed by EPA Methods 6010B/7471A
Polychlorinated Biphenyls analyzed by EPA Method 8082
Total Petroleum Hydrocarbons analyzed by EPA Method 8015B
Total Cyanide analyzed by EPA Method 9014
Asbestos analyzed by CARB 435

Soil Screening Levels:
1. Environmental Screening Levels (ESLs), Table S-1: Direct Exposure soil Screening Levels, Commercial/Industrial Worker Exposure Scenario, Most Stringent (Water Board, February 2016).
2. Environmental Screening Levels (ESLs), Table S-1: Direct Exposure soil Screening Levels, Construction Worker Exposure Scenario, Most Stringent (Water Board, February 2016).
3. Arsenic concentrations are compared to the background threshold value of 12 mg/kg developed for the adjacent Station A Area (AMEC, 2011).
4. USEPA Regional Screening Level (RSL) for industrial soil endorsed by DTSC (USEPA, November 2017).
5. 0.9 mg/kg B(a)P WQ is the 95th perecentile of the northern California ambient data set for surface soil. The range of ambient concentrations in the northern California ambient data set is non-detect to 2.8 mg/kg.
6. Due to the lack of published screening criteria, the screening levels for acenaphthene and fluoranthene were selected to screen the results for benzo(g,h,i)perylene and phenanthrene, respectively, due to the similar chemical structure.
7. DTSC Modified screening level for industrial soil (DTSC, January 2018)

B(a)P EQ were calculated using potency equivalency factors from the DTSC Preliminary Endangerment Assessment Guidance Manual
BOLD = concentration detected above the laboratory reporting limi
Orange highlight = result exceeded the referenced Construction Worker Screening Level
Green highlight = result exceeded the referenced Commercial/Industrial Screening Level

Abbreviations:
< = analyte not detected above the indicated reporting limit.
J = estimated concentration.
R = rejected result
-- = not analyzed or not applicable.
mg/kg = milligrams per kilogram
ft bgs = feet below ground surface

TABLE 1
SUMMARY OF SOIL ANALYTICAL RESULTS
POTRERO POWER PLANT TANK FARM
SAN FRANCISCO, CALIFORNIA

		Location ID	GB-147	GB-147	GB-147	GB-148	GB-148	GB-148	GB-148	GB-149	GB-149	GB-149	GB-149
		Sample ID	GB-147-9.25	GB-147-12.5	GB-147-15.0	GB-148-2.0	GB-148-5.0	GB-148-7.5	GB-148-10.0	GB-149-0.5	GB-149-2.0	GB-149-5.0	GB-149-10.5
		Sample Date	11/10/2017	11/10/2017	11/10/2017	11/07/2017	11/07/2017	11/07/2017	11/07/2017	11/14/2017	11/14/2017	11/21/2017	11/21/2017
		Sample Depth (feet bgs)	9.25	12.5	15.0	2.0	5.0	7.5	10.0	0.5	2.0	5.0	10.5
		Sample Type	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary
Analyte	**Construction Worker Screening Level[1]**	**Commercial/Industrial Screening Level[2]**											
Metals (mg/kg)													
Antimony	140	470	< 0.765 J	--	--	< 0.739	< 0.746	< 0.735	< 0.721	--	< 0.739 R	< 0.735 R	< 0.746 R
Arsenic	12[3]	12[3]	**1.59**	--	--	**2.44**	**2.99**	**1.25**	**2.67**	--	**3.55**	**2.88**	**1.32**
Barium	3,000	220,000	**138**	--	--	**85.8**	**92.2**	**40.9**	**61.7**	--	**111**	**74.8**	**225**
Beryllium	42	2,200	< 0.255	--	--	**0.284**	**0.293**	**0.481**	< 0.240	--	**0.345**	< 0.245	**0.437**
Cadmium	43	580	**0.628**	--	--	< 0.493	< 0.498	< 0.490	**0.526**	--	< 0.493	**0.541**	**0.631**
Chromium	530,000	1,800,000	**117 J**	--	--	**45.9 J**	**67.3 J**	**58.3 J**	**70.8 J**	--	**58**	**47.2**	**38.4**
Cobalt	28	350	**24.7**	--	--	**12.4**	**19**	**53.1**	**25.4**	--	**13.3**	**12.9**	**21.7**
Copper	14,000	47,000	**40**	--	--	**29.2**	**57.4**	**15.3**	**54.2**	--	**20.2**	**43.7**	**45.2**
Lead	160	320	**19.5**	--	--	**70.2 J**	**135 J**	**7.38 J**	**0.631 J**	**40.8**	**45.5**	**96.4**	**16.9**
Mercury	44	190	< 0.0877	--	--	**0.211**	**0.81**	< 0.0820	< 0.0820	--	**0.17**	**0.131**	< 0.0806
Molybdenum	1,800	5,800	< 0.255	--	--	**0.281**	< 0.249	**8.56**	< 0.240	--	< 0.246	**0.512**	< 0.249
Nickel	86	11,000	**118**	--	--	**54.6 J**	**177 J**	**4,460 J**	**105 J**	--	**53.7**	**53.1**	**34.4**
Selenium	1,700	5,800	< 0.765	--	--	< 0.739	< 0.746	< 0.735	< 0.721	--	< 0.739	< 0.735	< 0.746
Silver	1,800	5,800	< 0.255	--	--	< 0.246	< 0.249	< 0.245	< 0.240	--	< 0.246	< 0.245	< 0.249
Thallium	3.5	12	< 0.765	--	--	< 0.739	< 0.746	**4.93**	**1.84**	--	< 0.739 J	**0.807**	< 0.746
Vanadium	470	5,800	**89.2**	--	--	**40.2**	**41.4**	**4,260**	**54.2**	--	**47.1**	**40.1**	**119**
Zinc	110,000	350,000	**44**	--	--	**62.3**	**88.2**	**14.2**	**28.2**	--	**55.2**	**238**	**61**
Polychlorinated Biphenyls (mg/kg)													
Aroclor-1016 (PCB-1016)	5.6	1.0	--	--	--	< 0.050	--	--	--	--	< 0.049	--	--
Aroclor-1221 (PCB-1221)	5.6	1.0	--	--	--	< 0.050	--	--	--	--	< 0.049	--	--
Aroclor-1232 (PCB-1232)	5.6	1.0	--	--	--	< 0.050	--	--	--	--	< 0.049	--	--
Aroclor-1242 (PCB-1242)	5.6	1.0	--	--	--	< 0.050	--	--	--	--	< 0.049	--	--
Aroclor-1248 (PCB-1248)	5.6	1.0	--	--	--	< 0.050	--	--	--	--	< 0.049	--	--
Aroclor-1254 (PCB-1254)	5.6	1.0	--	--	--	< 0.050	--	--	--	--	< 0.049	--	--
Aroclor-1260 (PCB-1260)	5.6	1.0	--	--	--	< 0.050	--	--	--	--	< 0.049	--	--
Aroclor-1262 (PCB-1262)	5.6	1.0	--	--	--	< 0.050	--	--	--	--	< 0.049	--	--
Aroclor-1268 (PCB-1268)	5.6	1.0	--	--	--	< 0.050	--	--	--	--	< 0.049	--	--
Semi-Volatile Organic Compounds (mg/kg)													
1-Methylnaphthalene	--	--	**33**	**26**	**12**	**0.43**	**1**	**45**	**0.025**	--	< 0.0098	< 0.098	< 0.098
2,4,6-Trichlorophenol	350	47	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	1,100	3,500	--	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	7,100	23,000	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	710	2,300	--	--	--	--	--	--	--	--	--	--	--
2,6-Dichlorophenol	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	1,800	5,800	--	--	--	--	--	--	--	--	--	--	--
2-Methylnaphthalene	670	3,000	**79**	**65**	**24**	**0.71**	**1.5**	**87**	**0.035**	--	< 0.0098	< 0.098	< 0.098
2-Methylphenol (o-Cresol)	--	41,000[4]	--	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	--	--	--	--	--	--	--	--	--	--	--	--	--
3&4-Methylphenol	--	--	--	--	--	--	--	--	--	--	--	--	--
3/4-Methylphenols (p/m-Cresol) A	--	41,000[4]	--	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	--	66[4]	--	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	--	--	--	--	--	--	--	--	--	--	--	--	--
Acenaphthene	10,000	45,000	**25**	**3.5**	**1.4**	< 0.0098	**0.41**	**200**	**0.079**	--	< 0.0098	< 0.098	< 0.098
Acenaphthylene	--	45,000[4]	**19**	**20**	**3**	< 0.0098	**0.87**	**31**	**0.034**	--	< 0.0098	< 0.098	**0.69**
Anthracene	50,000	230,000	**37**	**16**	**7**	**0.068**	**0.76**	**140**	**0.066**	--	< 0.0098	< 0.098	< 0.098
Benzo(a)anthracene	16	2.9	**42**	**14**	**6**	**0.086**	**1**	**180**	**0.11**	--	**0.015**	< 0.098	< 0.098
Benzo(a)pyrene	1.6	0.29	**72**	**13**	**5.9**	**0.071**	**1.5**	**260**	**0.12**	--	**0.021**	**0.2**	**0.31**
Benzo(A)Pyrene Equivalent (1/2 RL substituted for ND)	0.9[5]	0.9[5]	**90.74**	**17.64**	**7.59**	**0.09**	**1.99**	**339.63**	**0.16**	--	**0.03**	**0.39**	**0.41**
Benzo(b)fluoranthene	16	2.9	**31**	**7.2**	**2.8**	**0.032**	**1.1**	**150**	**0.094**	--	**0.015**	**0.34**	< 0.098
Benzo(g,h,i)perylene	10,000[6]	45,000[6]	**46**	**6.5**	**2.8**	**0.046**	**2**	**190**	**0.11**	--	**0.028**	**2.4**	**1.9**
Benzo(k)fluoranthene	150	29	**27**	**11**	**5.2**	**0.018**	**0.74**	**140**	**0.072**	--	**0.013**	**0.19**	< 0.098
Chrysene	1,500	260	**65**	**15**	**6.4**	**0.16**	**1.6**	**230**	**0.16**	--	**0.02**	< 0.098	**1**
Dibenz(a,h)anthracene	1.6	0.29	**7.4**	**1.8**	< 1.0	< 0.0098	**0.15**	**30**	**0.015**	--	< 0.0098	< 0.098	< 0.098
Fluoranthene	6,700	30,000	**180**	**36**	**15**	**0.059**	**3.3**	**660**	**0.32**	--	**0.012**	< 0.098	< 0.098
Fluorene	6,700	30,000	**43**	**20**	**7.3**	**0.052**	**0.71**	**130**	**0.055**	--	< 0.0098	< 0.098	< 0.098
Indeno(1,2,3-cd)pyrene	16	2.9	**37**	**5.9**	**2.5**	**0.017**	**1.2**	**150**	**0.076**	--	**0.019**	**1**	**0.44**
Naphthalene	350	14	**660**	**750**	**290**	**0.12**	**0.68**	**910**	**0.53**	--	< 0.0098	< 0.098	< 0.098
Pentachlorophenol	20	4	--	--	--	--	--	--	--	--	--	--	--
Phenanthrene	6,700[6]	30,000[6]	**310**	**96**	**32**	**0.82**	**10**	**870**	**0.34**	--	**0.01**	< 0.098	< 0.098
Phenol	98,000	350,000	--	--	--	--	--	--	--	--	--	--	--
Pyrene	5,000	23,000	**210**	**38**	**18**	**0.43**	**7.6**	**770**	**0.53**	--	**0.031**	**0.12**	**0.66**

TABLE 1
SUMMARY OF SOIL ANALYTICAL RESULTS
POTRERO POWER PLANT TANK FARM
SAN FRANCISCO, CALIFORNIA

		Location ID	GB-147	GB-147	GB-147	GB-148	GB-148	GB-148	GB-148	GB-149	GB-149	GB-149	GB-149
		Sample ID	GB-147-9.25	GB-147-12.5	GB-147-15.0	GB-148-2.0	GB-148-5.0	GB-148-7.5	GB-148-10.0	GB-149-0.5	GB-149-2.0	GB-149-5.0	GB-149-10.5
		Sample Date	11/10/2017	11/10/2017	11/10/2017	11/07/2017	11/07/2017	11/07/2017	11/07/2017	11/14/2017	11/14/2017	11/21/2017	11/21/2017
		Sample Depth (feet bgs)	9.25	12.5	15.0	2.0	5.0	7.5	10.0	0.5	2.0	5.0	10.5
		Sample Type	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary
Analyte	**Construction Worker Screening Level[1]**	**Commercial/Industrial Screening Level[2]**											
Total Petroleum Hydrocarbons (mg/kg)													
Diesel Range Organics	880	1,100	**8,400**	**2,000**	**1,400**	**90**	**900**	**16,000**	**680**	--	**8.3**	**18**	**6,600**
Gasoline Range Organics	2,800	3,900	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons (C9-C40)	880	1,100	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons-Motor Oil	32,000	140,000	**7,800**	**1,200**	**770**	**110**	**1,200**	**16,000**	**570**	--	**28**	**44**	**12,000**
Volatile Organic Compounds (mg/kg)													
1,1,1,2-Tetrachloroethane	340	18	< 0.45	< 2.1	< 0.20	< 0.00081	< 0.00086	< 1.1	< 0.00094	--	< 0.00088	< 0.00075	< 0.050
1,1,1-Trichloroethane	8,800	8,900	< 0.45	< 2.1	< 0.20	< 0.00081	< 0.00086	< 1.1	< 0.00094	--	< 0.00088	< 0.00075	< 0.050
1,1,2,2-Tetrachloroethane	44	2.3	< 0.90	< 4.2	< 0.40	< 0.0016	< 0.0017	< 2.2	< 0.0019	--	< 0.0018	< 0.0015	< 0.10
1,1,2-Trichloroethane	5.2	4.2	< 0.45	< 2.1	< 0.20	< 0.00081	< 0.00086	< 1.1	< 0.00094	--	< 0.00088	< 0.00075	< 0.050
1,1-Dichloroethane	390	17	< 0.45	< 2.1	< 0.20	< 0.00081	< 0.00086	< 1.1	< 0.00094	--	< 0.00088	< 0.00075	< 0.050
1,1-Dichloroethene	390	400	< 0.45	< 2.1	< 0.20	< 0.00081	< 0.00086	< 1.1	< 0.00094	--	< 0.00088	< 0.00075	< 0.050
1,1-Dichloropropane	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	--	--	< 0.90	< 4.2	< 0.40	< 0.0016	< 0.0017	< 2.2	< 0.0019	--	< 0.0018	< 0.0015	< 0.10
1,2,3-Trichlorobenzene	--	310[7]	< 0.90	< 4.2	< 0.40	< 0.0016	< 0.0017	< 2.2	< 0.0019	--	< 0.0018	< 0.0015	< 0.10
1,2,3-Trichloropropane	--	0.021[7]	< 0.90	< 4.2	< 0.40	< 0.0016	< 0.0017	< 2.2	< 0.0019	--	< 0.0018	< 0.0015	< 0.10
1,2,4-Trichlorobenzene	310	110	< 0.90	< 4.2	< 0.40	< 0.0016	< 0.0017	< 2.2	< 0.0019	--	< 0.0018	< 0.0015	< 0.10
1,2,4-Trimethylbenzene	--	1,800[4]	**18**	**6.8**	< 0.40	< 0.0016	< 0.0017	**14**	< 0.0019	--	< 0.0018	< 0.0015	< 0.10
1,2-Dibromo-3-chloropropane (DBCP)	1.3	0.072	< 2.3	< 10	< 1.0	< 0.0040	< 0.0043	< 5.4	< 0.0047	--	< 0.0044	< 0.0037	< 0.25
1,2-Dibromoethane (Ethylene Dibromide)	3.2	0.16	< 0.45	< 2.1	< 0.20	< 0.00081	< 0.00086	< 1.1	< 0.00094	--	< 0.00088	< 0.00075	< 0.050
1,2-Dichlorobenzene	8,500	11,000	< 0.45	< 2.1	< 0.20	< 0.00081	< 0.00086	< 1.1	< 0.00094	--	< 0.00088	< 0.00075	< 0.050
1,2-Dichloroethane	37	1.6	< 0.45	< 2.1	< 0.20	< 0.00081	< 0.00086	< 1.1	< 0.00094	--	< 0.00088	< 0.00075	< 0.050
1,2-Dichloropropane	58	3.9	< 0.45	< 2.1	< 0.20	< 0.00081	< 0.00086	< 1.1	< 0.00094	--	< 0.00088	< 0.00075	< 0.050
1,3,5-Trimethylbenzene	--	1,500[4]	**6.9**	**4.8**	< 0.40	< 0.0016	< 0.0017	**6**	< 0.0019	--	< 0.0018	< 0.0015	< 0.10
1,3-Dichlorobenzene	--	--	< 0.45	< 2.1	< 0.20	< 0.00081	< 0.00086	< 1.1	< 0.00094	--	< 0.00088	< 0.00075	< 0.050
1,3-Dichloropropane	--	2,200[7]	< 0.45	< 2.1	< 0.20	< 0.00081	< 0.00086	< 1.1	< 0.00094	--	< 0.00088	< 0.00075	< 0.050
1,3-Dichloropropene	29	1.2	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	310	13	< 0.45	< 2.1	< 0.20	< 0.00081	< 0.00086	< 1.1	< 0.00094	--	< 0.00088	< 0.00075	< 0.050
1-Methylethyl-benzene A	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	--	--	< 2.3	< 10	< 1.0	< 0.0040	< 0.0043	< 5.4	< 0.0047	--	< 0.0044	< 0.0037	< 0.25
2-Butanone (Methyl Ethyl Ketone)	--	190,000[4]	< 9.0	< 42	< 4.0	< 0.016	< 0.017	< 22	< 0.019	--	< 0.018	< 0.015	< 1.0
2-Chlorotoluene	--	2,600[7]	< 0.45	< 2.1	< 0.20	< 0.00081	< 0.00086	< 1.1	< 0.00094	--	< 0.00088	< 0.00075	< 0.050
2-Hexanone	--	1,300[4]	< 9.0	< 42	< 4.0	< 0.016	< 0.017	< 22	< 0.019	--	< 0.018	< 0.015	< 1.0
2-Phenylbutane (sec-Butylbenzene)	--	12,000[7]	< 0.45	< 2.1	< 0.20	< 0.00081	< 0.00086	< 1.1	**0.0014**	--	< 0.00088	< 0.00075	< 0.050
4-Chlorotoluene	--	2,300[7]	< 0.45	< 2.1	< 0.20	< 0.00081	< 0.00086	< 1.1	< 0.00094	--	< 0.00088	< 0.00075	< 0.050
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	--	140,000[4]	< 9.0	< 42	< 4.0	< 0.016	< 0.017	< 22	< 0.019	--	< 0.018	< 0.015	< 1.0
Acetone	260,000	630,000	< 23	< 100	< 10	< 0.040	< 0.043	< 54	< 0.047	--	**0.053**	< 0.037	< 2.5
Benzene	24	1	**95**	**5.1**	**0.96**	**0.0015**	**0.068**	**27**	< 0.00094	--	< 0.00088	< 0.00075	< 0.050
Bromobenzene	--	1,800[4]	< 0.45	< 2.1	< 0.20	< 0.00081	< 0.00086	< 1.1	< 0.00094	--	< 0.00088	< 0.00075	< 0.050
Bromodichloromethane	47	2.3	< 0.45	< 2.1	< 0.20	< 0.00081	< 0.00086	< 1.1	< 0.00094	--	< 0.00088	< 0.00075	< 0.050
Bromoform	2,200	300	< 2.3	< 10	< 1.0	< 0.0040	< 0.0043	< 5.4	< 0.0047	--	< 0.0044	< 0.0037	< 0.25
Bromomethane (Methyl Bromide)	34	36	< 9.0	< 42	< 4.0	< 0.016	< 0.017	< 22	< 0.019	--	< 0.018	< 0.015	< 1.0
Carbon disulfide	--	3,500[4]	< 4.5	< 21	< 2.0	< 0.0081	< 0.0086	< 11	< 0.0094	--	< 0.0088	< 0.0075	< 0.50
Carbon tetrachloride	13	0.54	< 0.45	< 2.1	< 0.20	< 0.00081	< 0.00086	< 1.1	< 0.00094	--	< 0.00088	< 0.00075	< 0.050
Chlorobenzene	1,100	1,200	< 0.45	< 2.1	< 0.20	< 0.00081	< 0.00086	< 1.1	< 0.00094	--	< 0.00088	< 0.00075	< 0.050
Chlorobromomethane	--	630[4]	< 0.90	< 4.2	< 0.40	< 0.0016	< 0.0017	< 2.2	< 0.0019	--	< 0.0018	< 0.0015	< 0.10
Chloroethane	53,000	53,000	< 0.90	< 4.2	< 0.40	< 0.0016	< 0.0017	< 2.2	< 0.0019	--	< 0.0018	< 0.0015	< 0.10
Chloroform (Trichloromethane)	32	1.3	< 0.45	< 2.1	< 0.20	< 0.00081	< 0.00086	< 1.1	< 0.00094	--	< 0.00088	< 0.00075	< 0.050
Chloromethane (Methyl Chloride)	430	430	< 9.0	< 42	< 4.0	< 0.016	< 0.017	< 22	< 0.019	--	< 0.018	< 0.015	< 1.0
cis-1,2-Dichloroethene	82	90	< 0.45	< 2.1	< 0.20	< 0.00081	< 0.00086	< 1.1	< 0.00094	--	< 0.00088	< 0.00075	< 0.050
cis-1,3-Dichloropropene	--	8.2[4]	< 0.45	< 2.1	< 0.20	< 0.00081	< 0.00086	< 1.1	< 0.00094	--	< 0.00088	< 0.00075	< 0.050
Cyclohexanone	--	130,000[4]	< 23	< 100	< 10	< 0.040	< 0.043	< 54	< 0.047	--	< 0.044	< 0.037	< 2.5
Cymene (p-Isopropyltoluene)	--	--	**0.5**	< 2.1	< 0.20	< 0.00081	< 0.00086	< 1.1	< 0.00094	--	< 0.00088	< 0.00075	< 0.050
Dibromochloromethane	290	39	< 0.90	< 4.2	< 0.40	< 0.0016	< 0.0017	< 2.2	< 0.0019	--	< 0.0018	< 0.0015	< 0.10
Dibromomethane	--	99[4]	< 0.45	< 2.1	< 0.20	< 0.00081	< 0.00086	< 1.1	< 0.00094	--	< 0.00088	< 0.00075	< 0.050
Dichlorodifluoromethane (CFC-12)	--	370[4]	< 0.90	< 4.2	< 0.40	< 0.0016	< 0.0017	< 2.2	< 0.0019	--	< 0.0018	< 0.0015	< 0.10
Diisopropyl ether (DIPE)	--	9,400[4]	< 0.45	< 2.1	< 0.20	< 0.00081	< 0.00086	< 1.1	< 0.00094	--	< 0.00088	< 0.00075	< 0.050
Ethanol	--	--	< 230	< 1,000	< 100	< 0.40	< 0.43	< 540	< 0.47	--	< 0.44	< 0.37	< 25
Ethylbenzene	480	22	**47**	< 2.1	< 0.20	< 0.00081	**0.0058**	**32**	< 0.00094	--	< 0.00088	< 0.00075	< 0.050
Hexachlorobutadiene	310	42	--	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene (Cumene)	--	9,900[4]	**1.4**	< 2.1	< 0.20	< 0.00081	< 0.00086	< 1.1	< 0.00094	--	< 0.00088	< 0.00075	< 0.050
m,p-Xylenes	2,400	2,400	**39**	**11**	**1.1**	< 0.0016	< 0.0017	**24**	< 0.0019	--	< 0.0018	< 0.0015	< 0.10

TABLE 1
SUMMARY OF SOIL ANALYTICAL RESULTS
POTRERO POWER PLANT TANK FARM
SAN FRANCISCO, CALIFORNIA

		Location ID	**GB-147**	**GB-147**	**GB-147**	**GB-148**	**GB-148**	**GB-148**	**GB-148**	**GB-149**	**GB-149**	**GB-149**	**GB-149**
		Sample ID	GB-147-9.25	GB-147-12.5	GB-147-15.0	GB-148-2.0	GB-148-5.0	GB-148-7.5	GB-148-10.0	GB-149-0.5	GB-149-2.0	GB-149-5.0	GB-149-10.5
		Sample Date	11/10/2017	11/10/2017	11/10/2017	11/07/2017	11/07/2017	11/07/2017	11/07/2017	11/14/2017	11/14/2017	11/21/2017	11/21/2017
		Sample Depth (feet bgs)	9.25	12.5	15.0	2.0	5.0	7.5	10.0	0.5	2.0	5.0	10.5
		Sample Type	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary
Analyte	**Construction Worker Screening Level[1]**	**Commercial/Industrial Screening Level[2]**											
Methyl Tert Butyl Ether	3,700	180	< 0.90	< 4.2	< 0.40	< 0.0016	< 0.0017	< 2.2	< 0.0019	--	< 0.0018	< 0.0015	< 0.10
Methylene chloride	500	25	< 4.5	< 21	< 2.0	< 0.0081	< 0.0086	< 11	< 0.0094	--	< 0.0088	< 0.0075	< 0.50
Naphthalene	350	14	**4,500**	**640**	**48**	**0.011**	**0.027**	**5,100**	**0.043**	--	< 0.0088	< 0.0075	< 0.50
n-Butylbenzene	--	6,400[7]	**0.52**	< 2.1	< 0.20	< 0.00081	< 0.00086	< 1.1	< 0.00094	--	< 0.00088	< 0.00075	< 0.050
n-Propylbenzene	--	24,000	**1**	< 4.2	< 0.40	< 0.0016	< 0.0017	< 2.2	< 0.0019	--	< 0.0018	< 0.0015	< 0.10
o-Xylene	2,400	2,400	**16**	**5**	**0.28**	< 0.00081	**0.0059**	**16**	< 0.00094	--	< 0.00088	< 0.00075	< 0.050
Styrene	29,000	40,000	**3.8**	< 2.1	< 0.20	< 0.00081	< 0.00086	< 1.1	< 0.00094	--	< 0.00088	< 0.00075	< 0.050
t-Amyl Alcohol	--	340[4]	< 23	< 100	< 10	< 0.040	< 0.043	< 54	< 0.047	--	< 0.044	< 0.037	< 2.5
Tert-Amyl Methyl Ether (TAME)	--	--	< 0.45	< 2.1	< 0.20	< 0.00081	< 0.00086	< 1.1	< 0.00094	--	< 0.00088	< 0.00075	< 0.050
Tert-Butyl Alcohol (tert-Butanol)	--	--	< 9.0	< 42	< 4.0	< 0.016	< 0.017	< 22	< 0.019	--	< 0.018	< 0.015	< 1.0
Tert-Butyl Ethyl Ether (ETBE)	--	--	< 0.45	< 2.1	< 0.20	< 0.00081	< 0.00086	< 1.1	< 0.00094	--	< 0.00088	< 0.00075	< 0.050
tert-Butylbenzene	--	12,000[7]	< 0.45	< 2.1	< 0.20	< 0.00081	< 0.00086	< 1.1	< 0.00094	--	< 0.00088	< 0.00075	< 0.050
Tetrachloroethene	33	2.7	< 0.45	< 2.1	< 0.20	< 0.00081	< 0.00086	< 1.1	< 0.00094	--	< 0.00088	< 0.00075	< 0.050
Toluene	4,100	4,600	**22**	**2.3**	< 0.20	< 0.00081	**0.0016**	**12**	< 0.00094	--	< 0.00088	< 0.00075	< 0.050
trans-1,2-Dichloroethene	680	730	< 0.45	< 2.1	< 0.20	< 0.00081	< 0.00086	< 1.1	< 0.00094	--	< 0.00088	< 0.00075	< 0.050
trans-1,3-Dichloropropene	--	8.2[4]	< 0.90	< 4.2	< 0.40	< 0.0016	< 0.0017	< 2.2	< 0.0019	--	< 0.0018	< 0.0015	< 0.10
Trichloroethene	23	8	< 0.90	< 4.2	< 0.40	< 0.0016	< 0.0017	< 2.2	< 0.0019	--	< 0.0018	< 0.0015	< 0.10
Trichlorofluoromethane (CFC-11)	--	5,400[7]	< 4.5	< 21	< 2.0	< 0.0081	< 0.0086	< 11	< 0.0094	--	< 0.0088	< 0.0075	< 0.50
Trifluorotrichloroethane (Freon 113)	--	28,000[4]	< 4.5	< 21	< 2.0	< 0.0081	< 0.0086	< 11	< 0.0094	--	< 0.0088	< 0.0075	< 0.50
Vinyl acetate	--	3,800[4]	< 4.5	< 21	< 2.0	< 0.0081	< 0.0086	< 11	< 0.0094	--	< 0.0088	< 0.0075	< 0.50
Vinyl chloride	3.4	0.15	< 0.45	< 2.1	< 0.20	< 0.00081	< 0.00086	< 1.1	< 0.00094	--	< 0.00088	< 0.00075	< 0.050
Xylene (total)	2,400	2,400	--	--	--	--	--	--	--	--	--	--	--
Inorganic Compounds													
Asbestos (%)	--	--	< 0	--	--	< 0	**0.25**	< 0	< 0	--	< 0.25	< 0	< 0
Total Cyanide (mg/kg)	--	--	**24**	--	--	--	--	**6.9**	--	--	--	--	--
Total phenols (mg/kg)	--	--	--	--	--	--	--	--	--	--	--	--	--

Notes
Volatile Organic Compounds (VOCs) analyzed by EPA Method 8260B
Semi-Volatile Organic Compounds (SVOCs) analyzed by EPA Method 8270 SIM
Metals analyzed by EPA Methods 6010B/7471A
Polychlorinated Biphenyls analyzed by EPA Method 8082
Total Petroleum Hydrocarbons analyzed by EPA Method 8015B
Total Cyanide analyzed by EPA Method 9014
Asbestos analyzed by CARB 435

Soil Screening Levels:
1. Environmental Screening Levels (ESLs), Table S-1: Direct Exposure soil Screening Levels, Commercial/Industrial Worker Exposure Scenario, Most Stringent (Water Board, February 2016).
2. Environmental Screening Levels (ESLs), Table S-1: Direct Exposure soil Screening Levels, Construction Worker Exposure Scenario, Most Stringent (Water Board, February 2016).
3. Arsenic concentrations are compared to the background threshold value of 12 mg/kg developed for the adjacent Station A Area (AMEC, 2011).
4. USEPA Regional Screening Level (RSL) for industrial soil endorsed by DTSC (USEPA, November 2017).
5. 0.9 mg/kg B(a)P WQ is the 95th perecentile of the northern California ambient data set for surface soil. The range of ambient concentrations in the northern California ambient data set is non-detect to 2.8 mg/kg.
6. Due to the lack of published screening criteria, the screening levels for acenaphthene and fluoranthene were selected to screen the results for benzo(g,h,i)perylene and phenanthrene, respectively, due to the similar chemical structure.
7. DTSC Modified screening level for industrial soil (DTSC, January 2018)

B(a)P EQ were calculated using potency equivalency factors from the DTSC Preliminary Endangerment Assessment Guidance Manual
BOLD = concentration detected above the laboratory reporting limi
Orange highlight = result exceeded the referenced Construction Worker Screening Level
Green highlight = result exceeded the referenced Commercial/Industrial Screening Level

Abbreviations:
< = analyte not detected above the indicated reporting limit.
J = estimated concentration.
R = rejected result
-- = not analyzed or not applicable.
mg/kg = milligrams per kilogram
ft bgs = feet below ground surface

TABLE 1
SUMMARY OF SOIL ANALYTICAL RESULTS
POTRERO POWER PLANT TANK FARM
SAN FRANCISCO, CALIFORNIA

		Location ID	GB-149	GB-149	GB-149	GB-149A	GB-150	GB-150	GB-150	GB-150	GB-150	GB-150	GB-150A
		Sample ID	GB-149-14.5	GB-149-20.5	GB-149-24.5	GB-149A-5.5	GB-150-0.5	GB-150-2.0	GB-150-4.5	GB-150-10.0	GB-150-13.0	GB-150-14.0	GB-150A-5.5
		Sample Date	11/21/2017	11/21/2017	11/21/2017	02/22/2018	11/07/2017	11/09/2017	11/09/2017	11/10/2017	11/10/2017	11/10/2017	02/22/2018
		Sample Depth (feet bgs)	14.5	20.5	24.5	5.5	0.5	2.0	4.5	10.0	13.0	14.0	5.5
		Sample Type	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary
Analyte	**Construction Worker Screening Level[1]**	**Commercial/Industrial Screening Level[2]**											
Metals (mg/kg)													
Antimony	140	470	< 0.721 R	--	--	--	--	< 0.739 J	**1.39 J**	< 0.754 J	--	--	--
Arsenic	12[3]	12[3]	**5.3**	--	--	--	--	**3.88**	**5.64**	**5.05**	--	--	--
Barium	3,000	220,000	**89.1**	--	--	--	--	**115**	**147**	**260**	--	--	--
Beryllium	42	2,200	< 0.240	--	--	--	--	**0.344**	**0.315**	**0.422**	--	--	--
Cadmium	43	580	**0.581**	--	--	--	--	**0.51**	**0.833**	**0.516**	--	--	--
Chromium	530,000	1,800,000	**195**	--	--	--	--	**57.6 J**	**55.5 J**	**48.4 J**	--	--	--
Cobalt	28	350	**18.4**	--	--	--	--	**16**	**16.4**	**15.5**	--	--	--
Copper	14,000	47,000	**36.2**	--	--	--	--	**46.3**	**219**	**38.1**	--	--	--
Lead	160	320	**2.55**	--	--	--	**18.2 J**	**114**	**242**	**21.2**	--	--	--
Mercury	44	190	< 0.0806	--	--	--	--	**0.247**	**0.665**	**0.0923**	--	--	--
Molybdenum	1,800	5,800	< 0.240	--	--	--	--	< 0.246	**0.443**	< 0.251	--	--	--
Nickel	86	11,000	**97.2**	--	--	--	--	**105**	**92.5**	**50.8**	--	--	--
Selenium	1,700	5,800	< 0.721	--	--	--	--	< 0.739	< 0.743	< 0.754	--	--	--
Silver	1,800	5,800	< 0.240	--	--	--	--	< 0.246	< 0.248	< 0.251	--	--	--
Thallium	3.5	12	< 0.721	--	--	--	--	< 0.739	< 0.743	< 0.754	--	--	--
Vanadium	470	5,800	**104**	--	--	--	--	**45.7**	**53.3**	**66.9**	--	--	--
Zinc	110,000	350,000	**38.9**	--	--	--	--	**96.5**	**217**	**50**	--	--	--
Polychlorinated Biphenyls (mg/kg)													
Aroclor-1016 (PCB-1016)	5.6	1.0	--	--	--	--	--	< 0.051	--	--	--	--	--
Aroclor-1221 (PCB-1221)	5.6	1.0	--	--	--	--	--	< 0.051	--	--	--	--	--
Aroclor-1232 (PCB-1232)	5.6	1.0	--	--	--	--	--	< 0.051	--	--	--	--	--
Aroclor-1242 (PCB-1242)	5.6	1.0	--	--	--	--	--	< 0.051	--	--	--	--	--
Aroclor-1248 (PCB-1248)	5.6	1.0	--	--	--	--	--	< 0.051	--	--	--	--	--
Aroclor-1254 (PCB-1254)	5.6	1.0	--	--	--	--	--	< 0.051	--	--	--	--	--
Aroclor-1260 (PCB-1260)	5.6	1.0	--	--	--	--	--	< 0.051	--	--	--	--	--
Aroclor-1262 (PCB-1262)	5.6	1.0	--	--	--	--	--	< 0.051	--	--	--	--	--
Aroclor-1268 (PCB-1268)	5.6	1.0	--	--	--	--	--	< 0.051	--	--	--	--	--
Semi-Volatile Organic Compounds (mg/kg)													
1-Methylnaphthalene	--	--	< 0.99	**2.5**	< 0.010	--	--	< 0.10	**0.14**	**1**	< 0.0099	< 0.0098	--
2,4,6-Trichlorophenol	350	47	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	1,100	3,500	--	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	7,100	23,000	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	710	2,300	--	--	--	--	--	--	--	--	--	--	--
2,6-Dichlorophenol	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	1,800	5,800	--	--	--	--	--	--	--	--	--	--	--
2-Methylnaphthalene	670	3,000	< 0.99	< 0.10	< 0.010	--	--	< 0.10	**0.13**	**1.5**	< 0.0099	< 0.0098	--
2-Methylphenol (o-Cresol)	--	41,000[4]	--	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	--	--	--	--	--	--	--	--	--	--	--	--	--
3&4-Methylphenol	--	--	--	--	--	--	--	--	--	--	--	--	--
3/4-Methylphenols (p/m-Cresol) A	--	41,000[4]	--	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	--	66[4]	--	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	--	--	--	--	--	--	--	--	--	--	--	--	--
Acenaphthene	10,000	45,000	**7.8**	**3.5**	< 0.010	--	--	< 0.10	**0.96**	**4**	**0.12**	< 0.0098	--
Acenaphthylene	--	45,000[4]	**4.5**	< 0.10	< 0.010	--	--	**0.13**	**0.25**	**2.6**	**0.48**	**0.17**	--
Anthracene	50,000	230,000	**1.3**	**3.6**	< 0.010	--	--	**0.31**	**0.65**	**5**	< 0.0099	< 0.0098	--
Benzo(a)anthracene	16	2.9	**14**	**1.7**	**0.01**	--	--	**0.45**	**1.1**	**11**	**1.4**	**0.64**	--
Benzo(a)pyrene	1.6	0.29	**23**	**2**	< 0.010	--	--	**0.38**	**1.4**	**19**	**1.4**	**0.61**	--
Benzo(A)Pyrene Equivalent (1/2 RL substituted for ND)	0.9[5]	0.9[5]	**29.93**	**2.55**	**0.01**	--	--	**0.52**	**1.93**	**24.85**	**1.94**	**0.87**	--
Benzo(b)fluoranthene	16	2.9	**14**	**0.85**	< 0.010	--	--	**0.24**	**0.98**	**11**	**1.5**	**0.62**	--
Benzo(g,h,i)perylene	10,000[6]	45,000[6]	**20**	**1.3**	< 0.010	--	--	**0.23**	**1.5**	**17**	**0.56**	**0.47**	--
Benzo(k)fluoranthene	150	29	**12**	**1**	< 0.010	--	--	**0.33**	**0.97**	**14**	**1**	**0.36**	--
Chrysene	1,500	260	**13**	**2.1**	**0.011**	--	--	**0.45**	**1.3**	**13**	**2.1**	**0.86**	--
Dibenz(a,h)anthracene	1.6	0.29	**2.6**	**0.2**	< 0.010	--	--	< 0.10	**0.21**	**2.4**	**0.19**	**0.091**	--
Fluoranthene	6,700	30,000	**77**	**4.4**	**0.032**	--	--	**0.93**	**2.8**	**16**	**6**	**1.7**	--
Fluorene	6,700	30,000	< 0.99	**1.2**	< 0.010	--	--	**0.16**	**0.27**	**2.5**	< 0.0099	< 0.0098	--
Indeno(1,2,3-cd)pyrene	16	2.9	**14**	**0.84**	< 0.010	--	--	**0.19**	**0.98**	**11**	**0.49**	**0.35**	--
Naphthalene	350	14	< 0.99	< 0.10	< 0.010	--	--	< 0.10	**0.82**	**11**	< 0.0099	< 0.0098	--
Pentachlorophenol	20	4	--	--	--	--	--	--	--	--	--	--	--
Phenanthrene	6,700[6]	30,000[6]	**5**	**1.1**	**0.022**	--	--	**1.1**	**2**	**18**	**0.4**	< 0.0098	--
Phenol	98,000	350,000	--	--	--	--	--	--	--	--	--	--	--
Pyrene	5,000	23,000	**83**	**6.4**	**0.031**	--	--	**1.1**	**4**	**23**	**8.7**	**4.4**	--

TABLE 1
SUMMARY OF SOIL ANALYTICAL RESULTS
POTRERO POWER PLANT TANK FARM
SAN FRANCISCO, CALIFORNIA

		Location ID	GB-149	GB-149	GB-149	GB-149A	GB-150	GB-150	GB-150	GB-150	GB-150	GB-150	GB-150A
		Sample ID	GB-149-14.5	GB-149-20.5	GB-149-24.5	GB-149A-5.5	GB-150-0.5	GB-150-2.0	GB-150-4.5	GB-150-10.0	GB-150-13.0	GB-150-14.0	GB-150A-5.5
		Sample Date	11/21/2017	11/21/2017	11/21/2017	02/22/2018	11/07/2017	11/09/2017	11/09/2017	11/10/2017	11/10/2017	11/10/2017	02/22/2018
		Sample Depth (feet bgs)	14.5	20.5	24.5	5.5	0.5	2.0	4.5	10.0	13.0	14.0	5.5
		Sample Type	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary
Analyte	**Construction Worker Screening Level[1]**	**Commercial/Industrial Screening Level[2]**											
Total Petroleum Hydrocarbons (mg/kg)													
Diesel Range Organics	880	1,100	**1,800**	< 5.0	< 5.0	--	--	**38**	**140**	**3,500**	**2,000**	**1,200**	--
Gasoline Range Organics	2,800	3,900	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons (C9-C40)	880	1,100	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons-Motor Oil	32,000	140,000	**2,500**	< 25	< 25	--	--	**96**	**240**	**4,000**	**1,800**	**1,100**	--
Volatile Organic Compounds (mg/kg)													
1,1,1,2-Tetrachloroethane	340	18	< 0.00079	--	--	< 0.00083	--	< 0.00099	< 0.00097	< 0.046	--	--	< 0.00097
1,1,1-Trichloroethane	8,800	8,900	< 0.00079	--	--	< 0.00083	--	< 0.00099	< 0.00097	< 0.046	--	--	< 0.00097
1,1,2,2-Tetrachloroethane	44	2.3	< 0.0016	--	--	< 0.0017	--	< 0.0020	< 0.0019	< 0.091	--	--	< 0.0019
1,1,2-Trichloroethane	5.2	4.2	< 0.00079	--	--	< 0.00083	--	< 0.00099	< 0.00097	< 0.046	--	--	< 0.00097
1,1-Dichloroethane	390	17	< 0.00079	--	--	< 0.00083	--	< 0.00099	< 0.00097	< 0.046	--	--	< 0.00097
1,1-Dichloroethene	390	400	< 0.00079	--	--	< 0.00083	--	< 0.00099	< 0.00097	< 0.046	--	--	< 0.00097
1,1-Dichloropropane	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	--	--	< 0.0016	--	--	< 0.0017	--	< 0.0020	< 0.0019	< 0.091	--	--	< 0.0019
1,2,3-Trichlorobenzene	--	310[7]	< 0.0016	--	--	< 0.0017	--	< 0.0020	< 0.0019	< 0.091	--	--	< 0.0019
1,2,3-Trichloropropane	--	0.021[7]	< 0.0016	--	--	< 0.0017	--	< 0.0020	< 0.0019	< 0.091	--	--	< 0.0019
1,2,4-Trichlorobenzene	310	110	< 0.0016	--	--	< 0.0017	--	< 0.0020	< 0.0019	< 0.091	--	--	< 0.0019
1,2,4-Trimethylbenzene	--	1,800[4]	< 0.0016	--	--	< 0.0017	--	< 0.0020	< 0.0019	< 0.091	--	--	< 0.0019
1,2-Dibromo-3-chloropropane (DBCP)	1.3	0.072	< 0.0040	--	--	< 0.0042	--	< 0.0050	< 0.0048	< 0.23	--	--	< 0.0048
1,2-Dibromoethane (Ethylene Dibromide)	3.2	0.16	< 0.00079	--	--	< 0.00083	--	< 0.00099	< 0.00097	< 0.046	--	--	< 0.00097
1,2-Dichlorobenzene	8,500	11,000	< 0.00079	--	--	< 0.00083	--	< 0.00099	< 0.00097	< 0.046	--	--	< 0.00097
1,2-Dichloroethane	37	1.6	< 0.00079	--	--	< 0.00083	--	< 0.00099	< 0.00097	< 0.046	--	--	< 0.00097
1,2-Dichloropropane	58	3.9	< 0.00079	--	--	< 0.00083	--	< 0.00099	< 0.00097	< 0.046	--	--	< 0.00097
1,3,5-Trimethylbenzene	--	1,500[4]	< 0.0016	--	--	< 0.0017	--	< 0.0020	< 0.0019	< 0.091	--	--	< 0.0019
1,3-Dichlorobenzene	--	--	< 0.00079	--	--	< 0.00083	--	< 0.00099	< 0.00097	< 0.046	--	--	< 0.00097
1,3-Dichloropropane	--	2,200[7]	< 0.00079	--	--	< 0.00083	--	< 0.00099	< 0.00097	< 0.046	--	--	< 0.00097
1,3-Dichloropropene	29	1.2	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	310	13	< 0.00079	--	--	< 0.00083	--	< 0.00099	< 0.00097	< 0.046	--	--	< 0.00097
1-Methylethyl-benzene A	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	--	--	< 0.0040	--	--	< 0.0042	--	< 0.0050	< 0.0048	< 0.23	--	--	< 0.0048
2-Butanone (Methyl Ethyl Ketone)	--	190,000[4]	< 0.016	--	--	< 0.017	--	< 0.020	< 0.019	< 0.91	--	--	< 0.019
2-Chlorotoluene	--	2,600[7]	< 0.00079	--	--	< 0.00083	--	< 0.00099	< 0.00097	< 0.046	--	--	< 0.00097
2-Hexanone	--	1,300[4]	< 0.016	--	--	< 0.017	--	< 0.020	< 0.019	< 0.91	--	--	< 0.019
2-Phenylbutane (sec-Butylbenzene)	--	12,000[7]	< 0.00079	--	--	< 0.00083	--	< 0.00099	< 0.00097	< 0.046	--	--	< 0.00097
4-Chlorotoluene	--	2,300[7]	< 0.00079	--	--	< 0.00083	--	< 0.00099	< 0.00097	< 0.046	--	--	< 0.00097
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	--	140,000[4]	< 0.016	--	--	< 0.017	--	< 0.020	< 0.019	< 0.91	--	--	< 0.019
Acetone	260,000	630,000	< 0.040	--	--	**0.059**	--	< 0.050	< 0.048	< 2.3	--	--	< 0.048
Benzene	24	1	< 0.00079	--	--	**0.0024**	--	< 0.00099	< 0.00097	**0.33**	--	--	< 0.00097
Bromobenzene	--	1,800[4]	< 0.00079	--	--	< 0.00083	--	< 0.00099	< 0.00097	< 0.046	--	--	< 0.00097
Bromodichloromethane	47	2.3	< 0.00079	--	--	< 0.00083	--	< 0.00099	< 0.00097	< 0.046	--	--	< 0.00097
Bromoform	2,200	300	< 0.0040	--	--	< 0.0042	--	< 0.0050	< 0.0048	< 0.23	--	--	< 0.0048
Bromomethane (Methyl Bromide)	34	36	< 0.016	--	--	< 0.017	--	< 0.020	< 0.019	< 0.91	--	--	< 0.019
Carbon disulfide	--	3,500[4]	**0.013**	--	--	< 0.0083	--	< 0.0099	< 0.0097	< 0.46	--	--	< 0.0097
Carbon tetrachloride	13	0.54	< 0.00079	--	--	< 0.00083	--	< 0.00099	< 0.00097	< 0.046	--	--	< 0.00097
Chlorobenzene	1,100	1,200	< 0.00079	--	--	< 0.00083	--	< 0.00099	< 0.00097	< 0.046	--	--	< 0.00097
Chlorobromomethane	--	630[4]	< 0.0016	--	--	< 0.0017	--	< 0.0020	< 0.0019	< 0.091	--	--	< 0.0019
Chloroethane	53,000	53,000	< 0.0016	--	--	< 0.0017	--	< 0.0020	< 0.0019	< 0.091	--	--	< 0.0019
Chloroform (Trichloromethane)	32	1.3	< 0.00079	--	--	< 0.00083	--	< 0.00099	< 0.00097	< 0.046	--	--	< 0.00097
Chloromethane (Methyl Chloride)	430	430	< 0.016	--	--	< 0.017	--	< 0.020	< 0.019	< 0.91	--	--	< 0.019
cis-1,2-Dichloroethene	82	90	< 0.00079	--	--	< 0.00083	--	< 0.00099	< 0.00097	< 0.046	--	--	< 0.00097
cis-1,3-Dichloropropene	--	8.2[4]	< 0.00079	--	--	< 0.00083	--	< 0.00099	< 0.00097	< 0.046	--	--	< 0.00097
Cyclohexanone	--	130,000[4]	< 0.040	--	--	< 0.042	--	< 0.050	< 0.048	< 2.3	--	--	< 0.048
Cymene (p-Isopropyltoluene)	--	--	< 0.00079	--	--	< 0.00083	--	< 0.00099	< 0.00097	< 0.046	--	--	< 0.00097
Dibromochloromethane	290	39	< 0.0016	--	--	< 0.0017	--	< 0.0020	< 0.0019	< 0.091	--	--	< 0.0019
Dibromomethane	--	99[4]	< 0.00079	--	--	< 0.00083	--	< 0.00099	< 0.00097	< 0.046	--	--	< 0.00097
Dichlorodifluoromethane (CFC-12)	--	370[4]	< 0.0016	--	--	< 0.0017	--	< 0.0020	< 0.0019	< 0.091	--	--	< 0.0019
Diisopropyl ether (DIPE)	--	9,400[4]	< 0.00079	--	--	< 0.00083	--	< 0.00099	< 0.00097	< 0.046	--	--	< 0.00097
Ethanol	--	--	< 0.40	--	--	< 0.42	--	< 0.50	< 0.48	< 23	--	--	< 0.48
Ethylbenzene	480	22	< 0.00079	--	--	< 0.00083	--	< 0.00099	< 0.00097	< 0.046	--	--	< 0.00097
Hexachlorobutadiene	310	42	--	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene (Cumene)	--	9,900[4]	< 0.00079	--	--	< 0.00083	--	< 0.00099	< 0.00097	< 0.046	--	--	< 0.00097
m,p-Xylenes	2,400	2,400	< 0.0016	--	--	< 0.0017	--	< 0.0020	< 0.0019	< 0.091	--	--	< 0.0019

TABLE 1
SUMMARY OF SOIL ANALYTICAL RESULTS
POTRERO POWER PLANT TANK FARM
SAN FRANCISCO, CALIFORNIA

		Location ID	**GB-149**	**GB-149**	**GB-149**	**GB-149A**	**GB-150**	**GB-150**	**GB-150**	**GB-150**	**GB-150**	**GB-150**	**GB-150A**
		Sample ID	GB-149-14.5	GB-149-20.5	GB-149-24.5	GB-149A-5.5	GB-150-0.5	GB-150-2.0	GB-150-4.5	GB-150-10.0	GB-150-13.0	GB-150-14.0	GB-150A-5.5
		Sample Date	11/21/2017	11/21/2017	11/21/2017	02/22/2018	11/07/2017	11/09/2017	11/09/2017	11/10/2017	11/10/2017	11/10/2017	02/22/2018
		Sample Depth (feet bgs)	14.5	20.5	24.5	5.5	0.5	2.0	4.5	10.0	13.0	14.0	5.5
		Sample Type	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary
Analyte	**Construction Worker Screening Level[1]**	**Commercial/Industrial Screening Level[2]**											
Methyl Tert Butyl Ether	3,700	180	< 0.0016	--	--	< 0.0017	--	< 0.0020	< 0.0019	< 0.091	--	--	< 0.0019
Methylene chloride	500	25	< 0.0079	--	--	< 0.0083	--	< 0.0099	< 0.0097	< 0.46	--	--	< 0.0097
Naphthalene	350	14	< 0.0079	--	--	< 0.0083	--	< 0.0099	< 0.0097	**3**	--	--	< 0.0097
n-Butylbenzene	--	6,400[7]	< 0.00079	--	--	< 0.00083	--	< 0.00099	< 0.00097	< 0.046	--	--	< 0.00097
n-Propylbenzene	--	24,000	< 0.0016	--	--	< 0.0017	--	< 0.0020	< 0.0019	< 0.091	--	--	< 0.0019
o-Xylene	2,400	2,400	< 0.00079	--	--	< 0.00083	--	< 0.00099	< 0.00097	< 0.046	--	--	< 0.00097
Styrene	29,000	40,000	< 0.00079	--	--	< 0.00083	--	< 0.00099	< 0.00097	< 0.046	--	--	< 0.00097
t-Amyl Alcohol	--	340[4]	< 0.040	--	--	< 0.042	--	< 0.050	< 0.048	< 2.3	--	--	< 0.048
Tert-Amyl Methyl Ether (TAME)	--	--	< 0.00079	--	--	< 0.00083	--	< 0.00099	< 0.00097	< 0.046	--	--	< 0.00097
Tert-Butyl Alcohol (tert-Butanol)	--	--	< 0.016	--	--	< 0.017	--	< 0.020 J	< 0.019 J	< 0.91 J	--	--	< 0.019
Tert-Butyl Ethyl Ether (ETBE)	--	--	< 0.00079	--	--	< 0.00083	--	< 0.00099	< 0.00097	< 0.046	--	--	< 0.00097
tert-Butylbenzene	--	12,000[7]	< 0.00079	--	--	< 0.00083	--	< 0.00099	< 0.00097	< 0.046	--	--	< 0.00097
Tetrachloroethene	33	2.7	< 0.00079	--	--	< 0.00083	--	< 0.00099	< 0.00097	< 0.046	--	--	< 0.00097
Toluene	4,100	4,600	< 0.00079	--	--	< 0.00083	--	< 0.00099	< 0.00097	< 0.046	--	--	< 0.00097
trans-1,2-Dichloroethene	680	730	< 0.00079	--	--	< 0.00083	--	< 0.00099	< 0.00097	< 0.046	--	--	< 0.00097
trans-1,3-Dichloropropene	--	8.2[4]	< 0.0016	--	--	< 0.0017	--	< 0.0020	< 0.0019	< 0.091	--	--	< 0.0019
Trichloroethene	23	8	< 0.0016	--	--	< 0.0017	--	< 0.0020	< 0.0019	< 0.091	--	--	< 0.0019
Trichlorofluoromethane (CFC-11)	--	5,400[7]	< 0.0079	--	--	< 0.0083	--	< 0.0099	< 0.0097	< 0.46	--	--	< 0.0097
Trifluorotrichloroethane (Freon 113)	--	28,000[4]	< 0.0079	--	--	< 0.0083	--	< 0.0099	< 0.0097	< 0.46	--	--	< 0.0097
Vinyl acetate	--	3,800[4]	< 0.0079	--	--	< 0.0083	--	< 0.0099	< 0.0097	< 0.46	--	--	< 0.0097
Vinyl chloride	3.4	0.15	< 0.00079	--	--	< 0.00083	--	< 0.00099	< 0.00097	< 0.046	--	--	< 0.00097
Xylene (total)	2,400	2,400	--	--	--	--	--	--	--	--	--	--	--
Inorganic Compounds													
Asbestos (%)	--	--	< 0	--	--	--	--	< 0	< 0	< 0	--	--	--
Total Cyanide (mg/kg)	--	--	--	--	--	--	--	**7.9**	--	**11**	--	--	--
Total phenols (mg/kg)	--	--	--	--	--	--	--	--	--	--	--	--	--

Notes
Volatile Organic Compounds (VOCs) analyzed by EPA Method 8260B
Semi-Volatile Organic Compounds (SVOCs) analyzed by EPA Method 8270 SIM
Metals analyzed by EPA Methods 6010B/7471A
Polychlorinated Biphenyls analyzed by EPA Method 8082
Total Petroleum Hydrocarbons analyzed by EPA Method 8015B
Total Cyanide analyzed by EPA Method 9014
Asbestos analyzed by CARB 435

Soil Screening Levels:
1. Environmental Screening Levels (ESLs), Table S-1: Direct Exposure soil Screening Levels, Commercial/Industrial Worker Exposure Scenario, Most Stringent (Water Board, February 2016).
2. Environmental Screening Levels (ESLs), Table S-1: Direct Exposure soil Screening Levels, Construction Worker Exposure Scenario, Most Stringent (Water Board, February 2016).
3. Arsenic concentrations are compared to the background threshold value of 12 mg/kg developed for the adjacent Station A Area (AMEC, 2011).
4. USEPA Regional Screening Level (RSL) for industrial soil endorsed by DTSC (USEPA, November 2017).
5. 0.9 mg/kg B(a)P WQ is the 95th perecentile of the northern California ambient data set for surface soil. The range of ambient concentrations in the northern California ambient data set is non-detect to 2.8 mg/kg.
6. Due to the lack of published screening criteria, the screening levels for acenaphthene and fluoranthene were selected to screen the results for benzo(g,h,i)perylene and phenanthrene, respectively, due to the similar chemical structure.
7. DTSC Modified screening level for industrial soil (DTSC, January 2018)

B(a)P EQ were calculated using potency equivalency factors from the DTSC Preliminary Endangerment Assessment Guidance Manual
BOLD = concentration detected above the laboratory reporting limi
Orange highlight = result exceeded the referenced Construction Worker Screening Level
Green highlight = result exceeded the referenced Commercial/Industrial Screening Level

Abbreviations:
< = analyte not detected above the indicated reporting limit.
J = estimated concentration.
R = rejected result
-- = not analyzed or not applicable.
mg/kg = milligrams per kilogram
ft bgs = feet below ground surface

TABLE 1
SUMMARY OF SOIL ANALYTICAL RESULTS
POTRERO POWER PLANT TANK FARM
SAN FRANCISCO, CALIFORNIA

		Location ID	GB-151	GB-151	GB-151	GB-151	GB-151	GB-151	GB-152	GB-152	GB-152	GB-152	GB-152
		Sample ID	GB-151-2.0	GB-151-5.0	GB-151-9.5	GB-151-15.0	GB-151-19.0	GB-151-26.0	GB-152-2.0	GB-152-4.5	GB-152-10.5	GB-152-13.5	GB-152-16.5
		Sample Date	11/08/2017	12/04/2017	12/05/2017	12/05/2017	12/05/2017	12/06/2017	11/09/2017	11/21/2017	11/21/2017	11/21/2017	11/21/2017
		Sample Depth (feet bgs)	2.0	5.0	9.5	15.0	19.0	26.0	2.0	4.5	10.5	13.5	16.5
		Sample Type	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary
Analyte	**Construction Worker Screening Level[1]**	**Commercial/Industrial Screening Level[2]**											
Metals (mg/kg)													
Antimony	140	470	< 0.728 J	< 0.781	< 0.781 J	--	--	--	< 0.743 J	< 0.735 R	< 0.725 R	< 0.735 R	< 0.714 R
Arsenic	12[3]	12[3]	**2.3**	**3.97**	**4.08**	--	--	--	**2.35**	**1.55**	**1.55**	**1.25**	**11.4**
Barium	3,000	220,000	**76.2**	**115**	**396**	--	--	--	**252**	**31.5**	**322**	**58.7**	**71.1**
Beryllium	42	2,200	< 0.243	**0.318**	**0.464**	--	--	--	**0.575**	< 0.245	**0.48**	< 0.245	< 0.238
Cadmium	43	580	< 0.485	< 0.521	**0.899**	--	--	--	< 0.495	< 0.490	**0.814**	< 0.490	< 0.476
Chromium	530,000	1,800,000	**42.5 J**	**64.9**	**85.1**	--	--	--	**56.8 J**	**80.6**	**44.2**	**57.1**	**629**
Cobalt	28	350	**9.9**	**13.8**	**26.2**	--	--	--	**19.5**	**12.3**	**31.7**	**14.2**	**69.3**
Copper	14,000	47,000	**30.7**	**39.3**	**61.9**	--	--	--	**48**	**10.6**	**57.6**	**23.9**	**22.5**
Lead	160	320	**64.9**	**99.7**	**178 J**	**2.70 J**	**2.35 J**	**1.34 J**	**50.9**	**15.3**	**7.28**	**86.3**	**2.65**
Mercury	44	190	**0.302**	**0.325**	**0.1**	--	--	--	**1.68**	**0.0831**	**0.146**	< 0.0862	< 0.0794
Molybdenum	1,800	5,800	< 0.243	< 0.260	< 0.260	--	--	--	< 0.248	< 0.245	< 0.242	< 0.245	**1.78**
Nickel	86	11,000	**49.4**	**77.1**	**101**	--	--	--	**49.6**	**163**	**54**	**122**	**1,190**
Selenium	1,700	5,800	< 0.728	< 0.781	< 0.781	--	--	--	< 0.743	< 0.735	< 0.725	< 0.735	< 0.714
Silver	1,800	5,800	< 0.243	< 0.260	< 0.260	--	--	--	< 0.248	< 0.245	< 0.242	< 0.245	< 0.238
Thallium	3.5	12	< 0.728	< 0.781	< 0.781	--	--	--	< 0.743	< 0.735	< 0.725	< 0.735	**1.5**
Vanadium	470	5,800	**32.9**	**48.7**	**137**	--	--	--	**68.2**	**20.6**	**137**	**93.6**	**39.3**
Zinc	110,000	350,000	**50.3**	**81.7**	**84.7 J**	--	--	--	**59.4**	**30.7**	**65.3**	**58.6**	**24.6**
Polychlorinated Biphenyls (mg/kg)													
Aroclor-1016 (PCB-1016)	5.6	1.0	< 0.050	--	--	--	--	--	< 0.050	--	--	--	--
Aroclor-1221 (PCB-1221)	5.6	1.0	< 0.050	--	--	--	--	--	< 0.050	--	--	--	--
Aroclor-1232 (PCB-1232)	5.6	1.0	< 0.050	--	--	--	--	--	< 0.050	--	--	--	--
Aroclor-1242 (PCB-1242)	5.6	1.0	< 0.050	--	--	--	--	--	< 0.050	--	--	--	--
Aroclor-1248 (PCB-1248)	5.6	1.0	< 0.050	--	--	--	--	--	< 0.050	--	--	--	--
Aroclor-1254 (PCB-1254)	5.6	1.0	< 0.050	--	--	--	--	--	< 0.050	--	--	--	--
Aroclor-1260 (PCB-1260)	5.6	1.0	< 0.050	--	--	--	--	--	< 0.050	--	--	--	--
Aroclor-1262 (PCB-1262)	5.6	1.0	< 0.050	--	--	--	--	--	< 0.050	--	--	--	--
Aroclor-1268 (PCB-1268)	5.6	1.0	< 0.050	--	--	--	--	--	< 0.050	--	--	--	--
Semi-Volatile Organic Compounds (mg/kg)													
1-Methylnaphthalene	--	--	**0.055**	**0.11**	**71**	**56**	**78**	**2.1**	< 0.050	< 0.098	< 0.098	**140**	< 4.0
2,4,6-Trichlorophenol	350	47	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	1,100	3,500	--	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	7,100	23,000	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	710	2,300	--	--	--	--	--	--	--	--	--	--	--
2,6-Dichlorophenol	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	1,800	5,800	--	--	--	--	--	--	--	--	--	--	--
2-Methylnaphthalene	670	3,000	**0.059**	**0.11**	**78**	**87**	**120**	**2.1**	< 0.050	< 0.098	< 0.098	**85**	< 4.0
2-Methylphenol (o-Cresol)	--	41,000[4]	--	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	--	--	--	--	--	--	--	--	--	--	--	--	--
3&4-Methylphenol	--	--	--	--	--	--	--	--	--	--	--	--	--
3/4-Methylphenols (p/m-Cresol) A	--	41,000[4]	--	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	--	66[4]	--	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	--	--	--	--	--	--	--	--	--	--	--	--	--
Acenaphthene	10,000	45,000	< 0.020	< 0.098	**330**	**210**	**350**	**14**	< 0.050	< 0.098	< 0.098	**680**	**79**
Acenaphthylene	--	45,000[4]	< 0.020	< 0.098	**82**	**110**	**230**	**1.2**	< 0.050	**0.11**	**0.58**	**320**	**4.9**
Anthracene	50,000	230,000	**0.025**	**0.18**	**76**	**110**	**160**	**3.7**	< 0.050	< 0.098	**0.4**	**620**	**18**
Benzo(a)anthracene	16	2.9	**0.066**	**0.25**	**130**	**130**	**220**	**4.3**	**0.07**	**0.31**	**2.9**	**950**	**17**
Benzo(a)pyrene	1.6	0.29	**0.072**	**0.35**	**300**	**240**	**480**	**7.6**	**0.097**	**0.43**	**4.3**	**2,000**	**22**
Benzo(A)Pyrene Equivalent (1/2 RL substituted for ND)	0.9[5]	0.9[5]	**0.1**	**0.47**	**393.47**	**310.47**	**623.61**	**9.72**	**0.14**	**0.58**	**5.97**	**2,505.80**	**28.85**
Benzo(b)fluoranthene	16	2.9	**0.054**	**0.23**	**240**	**150**	**320**	**4.8**	**0.072**	**0.32**	**3.7**	**1,200**	**13**
Benzo(g,h,i)perylene	10,000[6]	45,000[6]	**0.065**	**0.31**	**370**	**220**	**430**	**6.8**	**0.11**	**0.47**	**4.9**	**1,500**	**28**
Benzo(k)fluoranthene	150	29	**0.05**	**0.17**	**130**	**130**	**230**	**3.2**	**0.069**	**0.35**	**3.4**	**940**	**13**
Chrysene	1,500	260	**0.086**	**0.34**	**170**	**170**	**310**	**6.4**	**0.092**	**0.36**	**3.7**	**1,400**	**22**
Dibenz(a,h)anthracene	1.6	0.29	< 0.020	< 0.098	**33**	**25**	**53**	**0.74**	< 0.050	< 0.098	**0.63**	**170**	< 4.0
Fluoranthene	6,700	30,000	**0.09**	**0.56**	**560**	**840**	**1,600**	**23**	**0.19**	**0.66**	**8.4**	**5,500**	**83**
Fluorene	6,700	30,000	< 0.020	< 0.098	**63**	**100**	**120**	**3**	< 0.050	< 0.098	< 0.098	**450**	**19**
Indeno(1,2,3-cd)pyrene	16	2.9	**0.04**	**0.2**	**220**	**160**	**340**	**4.3**	**0.065**	**0.32**	**3.4**	**1,100**	**17**
Naphthalene	350	14	**0.031**	**0.35**	**2,700**	**3,000**	**8,100**	**27**	< 0.050	**0.14**	**0.19**	**4,200**	< 4.0
Pentachlorophenol	20	4	--	--	--	--	--	--	--	--	--	--	--
Phenanthrene	6,700[6]	30,000[6]	**0.12**	**0.84**	**640**	**1,200**	**2,200**	**36**	**0.19**	**0.4**	**3.3**	**7,600**	**160**
Phenol	98,000	350,000	--	--	--	--	--	--	--	--	--	--	--
Pyrene	5,000	23,000	**0.21**	**0.8**	**780**	**950**	**1,800**	**30**	**0.28**	**1.1**	**9.3**	**6,100**	**140**

TABLE 1
SUMMARY OF SOIL ANALYTICAL RESULTS
POTRERO POWER PLANT TANK FARM
SAN FRANCISCO, CALIFORNIA

		Location ID	GB-151	GB-151	GB-151	GB-151	GB-151	GB-151	GB-152	GB-152	GB-152	GB-152	GB-152
		Sample ID	GB-151-2.0	GB-151-5.0	GB-151-9.5	GB-151-15.0	GB-151-19.0	GB-151-26.0	GB-152-2.0	GB-152-4.5	GB-152-10.5	GB-152-13.5	GB-152-16.5
		Sample Date	11/08/2017	12/04/2017	12/05/2017	12/05/2017	12/05/2017	12/06/2017	11/09/2017	11/21/2017	11/21/2017	11/21/2017	11/21/2017
		Sample Depth (feet bgs)	2.0	5.0	9.5	15.0	19.0	26.0	2.0	4.5	10.5	13.5	16.5
		Sample Type	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary
Analyte	**Construction Worker Screening Level[1]**	**Commercial/Industrial Screening Level[2]**											
Total Petroleum Hydrocarbons (mg/kg)													
Diesel Range Organics	880	1,100	**18**	**350**	**14,000**	**28,000**	**36,000**	**740**	**5.2**	**97 J**	**30**	**63,000**	**13,000**
Gasoline Range Organics	2,800	3,900	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons (C9-C40)	880	1,100	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons-Motor Oil	32,000	140,000	**36**	**610**	**12,000**	**29,000**	**28,000**	**780**	< 25	**180**	**64**	**77,000**	**17,000**
Volatile Organic Compounds (mg/kg)													
1,1,1,2-Tetrachloroethane	340	18	< 0.00076	< 0.00087	< 4.5	< 3.7	< 4.1	< 0.072	< 0.00077	< 0.00073	< 0.00081	< 13	< 0.045
1,1,1-Trichloroethane	8,800	8,900	< 0.00076	< 0.00087	< 4.5	< 3.7	< 4.1	< 0.072	< 0.00077	< 0.00073	< 0.00081	< 13	< 0.045
1,1,2,2-Tetrachloroethane	44	2.3	< 0.0015	< 0.0017	< 8.9	< 7.4	< 8.1	< 0.14	< 0.0015	< 0.0015	< 0.0016	< 26	< 0.091
1,1,2-Trichloroethane	5.2	4.2	< 0.00076	< 0.00087	< 4.5	< 3.7	< 4.1	< 0.072	< 0.00077	< 0.00073	< 0.00081	< 13	< 0.045
1,1-Dichloroethane	390	17	< 0.00076	< 0.00087	< 4.5	< 3.7	< 4.1	< 0.072	< 0.00077	< 0.00073	< 0.00081	< 13	< 0.045
1,1-Dichloroethene	390	400	< 0.00076	< 0.00087	< 4.5	< 3.7	< 4.1	< 0.072	< 0.00077	< 0.00073	< 0.00081	< 13	< 0.045
1,1-Dichloropropane	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	--	--	< 0.0015	< 0.0017	< 8.9	< 7.4	< 8.1	< 0.14	< 0.0015	< 0.0015	< 0.0016	< 26	< 0.091
1,2,3-Trichlorobenzene	--	310[7]	< 0.0015	< 0.0017	< 8.9	< 7.4	< 8.1	< 0.14	< 0.0015	< 0.0015	< 0.0016	< 26	< 0.091
1,2,3-Trichloropropane	--	0.021[7]	< 0.0015	< 0.0017	< 8.9	< 7.4	< 8.1	< 0.14	< 0.0015	< 0.0015	< 0.0016	< 26	< 0.091
1,2,4-Trichlorobenzene	310	110	< 0.0015	< 0.0017	< 8.9	< 7.4	< 8.1	< 0.14	< 0.0015	< 0.0015	< 0.0016	< 26	< 0.091
1,2,4-Trimethylbenzene	--	1,800[4]	< 0.0015	< 0.0017	**15**	< 7.4	< 8.1	< 0.14	< 0.0015	< 0.0015	**0.0021**	< 26	< 0.091
1,2-Dibromo-3-chloropropane (DBCP)	1.3	0.072	< 0.0038	< 0.0044	< 22	< 19	< 20	< 0.36	< 0.0038	< 0.0036	< 0.0040	< 65	< 0.23
1,2-Dibromoethane (Ethylene Dibromide)	3.2	0.16	< 0.00076	< 0.00087	< 4.5	< 3.7	< 4.1	< 0.072	< 0.00077	< 0.00073	< 0.00081	< 13	< 0.045
1,2-Dichlorobenzene	8,500	11,000	< 0.00076	< 0.00087	< 4.5	< 3.7	< 4.1	< 0.072	< 0.00077	< 0.00073	< 0.00081	< 13	< 0.045
1,2-Dichloroethane	37	1.6	< 0.00076	< 0.00087	< 4.5	< 3.7	< 4.1	< 0.072	< 0.00077	< 0.00073	< 0.00081	< 13	< 0.045
1,2-Dichloropropane	58	3.9	< 0.00076	< 0.00087	< 4.5	< 3.7	< 4.1	< 0.072	< 0.00077	< 0.00073	< 0.00081	< 13	< 0.045
1,3,5-Trimethylbenzene	--	1,500[4]	< 0.0015	< 0.0017	< 8.9	< 7.4	< 8.1	< 0.14	< 0.0015	< 0.0015	< 0.0016	< 26	< 0.091
1,3-Dichlorobenzene	--	--	< 0.00076	< 0.00087	< 4.5	< 3.7	< 4.1	< 0.072	< 0.00077	< 0.00073	< 0.00081	< 13	< 0.045
1,3-Dichloropropane	--	2,200[7]	< 0.00076	< 0.00087	< 4.5	< 3.7	< 4.1	< 0.072	< 0.00077	< 0.00073	< 0.00081	< 13	< 0.045
1,3-Dichloropropene	29	1.2	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	310	13	< 0.00076	< 0.00087	< 4.5	< 3.7	< 4.1	< 0.072	< 0.00077	< 0.00073	< 0.00081	< 13	< 0.045
1-Methylethyl-benzene A	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	--	--	< 0.0038	< 0.0044	< 22	< 19	< 20	< 0.36	< 0.0038	< 0.0036	< 0.0040	< 65	< 0.23
2-Butanone (Methyl Ethyl Ketone)	--	190,000[4]	< 0.015	< 0.017	< 89	< 74	< 81	< 1.4	< 0.015	< 0.015	< 0.016	< 260	< 0.91
2-Chlorotoluene	--	2,600[7]	< 0.00076	< 0.00087	< 4.5	< 3.7	< 4.1	< 0.072	< 0.00077	< 0.00073	< 0.00081	< 13	< 0.045
2-Hexanone	--	1,300[4]	< 0.015	< 0.017	< 89	< 74	< 81	< 1.4	< 0.015	< 0.015	< 0.016	< 260	< 0.91
2-Phenylbutane (sec-Butylbenzene)	--	12,000[7]	< 0.00076	< 0.00087	< 4.5	< 3.7	< 4.1	< 0.072	< 0.00077	< 0.00073	< 0.00081	< 13	**0.064**
4-Chlorotoluene	--	2,300[7]	< 0.00076	< 0.00087	< 4.5	< 3.7	< 4.1	< 0.072	< 0.00077	< 0.00073	< 0.00081	< 13	< 0.045
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	--	140,000[4]	< 0.015	< 0.017	< 89	< 74	< 81	< 1.4	< 0.015	< 0.015	< 0.016	< 260	< 0.91
Acetone	260,000	630,000	**0.04**	< 0.044	< 220	< 190	< 200	< 3.6	**0.052**	< 0.036	< 0.040	< 650	< 2.3
Benzene	24	1	**0.0012**	**0.0029 J**	**13**	< 3.7	**140**	< 0.072	< 0.00077	< 0.00073	< 0.00081	< 13	< 0.045
Bromobenzene	--	1,800[4]	< 0.00076	< 0.00087	< 4.5	< 3.7	< 4.1	< 0.072	< 0.00077	< 0.00073	< 0.00081	< 13	< 0.045
Bromodichloromethane	47	2.3	< 0.00076	< 0.00087	< 4.5	< 3.7	< 4.1	< 0.072	< 0.00077	< 0.00073	< 0.00081	< 13	< 0.045
Bromoform	2,200	300	< 0.0038	< 0.0044	< 22	< 19	< 20	< 0.36	< 0.0038	< 0.0036	< 0.0040	< 65	< 0.23
Bromomethane (Methyl Bromide)	34	36	< 0.015	< 0.017	< 89	< 74	< 81	< 1.4	< 0.015	< 0.015	< 0.016	< 260	< 0.91
Carbon disulfide	--	3,500[4]	< 0.0076	< 0.0087	< 45	< 37	< 41	< 0.72	< 0.0077	< 0.0073	< 0.0081	< 130	< 0.45
Carbon tetrachloride	13	0.54	< 0.00076	< 0.00087	< 4.5	< 3.7	< 4.1	< 0.072	< 0.00077	< 0.00073	< 0.00081	< 13	< 0.045
Chlorobenzene	1,100	1,200	< 0.00076	< 0.00087	< 4.5	< 3.7	< 4.1	< 0.072	< 0.00077	< 0.00073	< 0.00081	< 13	< 0.045
Chlorobromomethane	--	630[4]	< 0.0015	< 0.0017	< 8.9	< 7.4	< 8.1	< 0.14	< 0.0015	< 0.0015	< 0.0016	< 26	< 0.091
Chloroethane	53,000	53,000	< 0.0015	< 0.0017	< 8.9	< 7.4	< 8.1	< 0.14	< 0.0015	< 0.0015	< 0.0016	< 26	< 0.091
Chloroform (Trichloromethane)	32	1.3	< 0.00076	< 0.00087	< 4.5	< 3.7	< 4.1	< 0.072	< 0.00077	< 0.00073	< 0.00081	< 13	< 0.045
Chloromethane (Methyl Chloride)	430	430	< 0.015	< 0.017	< 89	< 74	< 81	< 1.4	< 0.015	< 0.015	< 0.016	< 260	< 0.91
cis-1,2-Dichloroethene	82	90	< 0.00076	< 0.00087	< 4.5	< 3.7	< 4.1	< 0.072	< 0.00077	< 0.00073	< 0.00081	< 13	< 0.045
cis-1,3-Dichloropropene	--	8.2[4]	< 0.00076	< 0.00087	< 4.5	< 3.7	< 4.1	< 0.072	< 0.00077	< 0.00073	< 0.00081	< 13	< 0.045
Cyclohexanone	--	130,000[4]	< 0.038	< 0.044	< 220	< 190	< 200	< 3.6	< 0.038	< 0.036	< 0.040	< 650	< 2.3
Cymene (p-Isopropyltoluene)	--	--	< 0.00076	< 0.00087	< 4.5	< 3.7	< 4.1	< 0.072	< 0.00077	< 0.00073	< 0.00081	< 13	< 0.045
Dibromochloromethane	290	39	< 0.0015	< 0.0017	< 8.9	< 7.4	< 8.1	< 0.14	< 0.0015	< 0.0015	< 0.0016	< 26	< 0.091
Dibromomethane	--	99[4]	< 0.00076	< 0.00087	< 4.5	< 3.7	< 4.1	< 0.072	< 0.00077	< 0.00073	< 0.00081	< 13	< 0.045
Dichlorodifluoromethane (CFC-12)	--	370[4]	< 0.0015	< 0.0017	< 8.9	< 7.4	< 8.1	< 0.14	< 0.0015	< 0.0015	< 0.0016	< 26	< 0.091
Diisopropyl ether (DIPE)	--	9,400[4]	< 0.00076	< 0.00087	< 4.5	< 3.7	< 4.1	< 0.072	< 0.00077	< 0.00073	< 0.00081	< 13	< 0.045
Ethanol	--	--	< 0.38	< 0.44	< 2,200	< 1,900	< 2,000	< 36	< 0.38	< 0.36	< 0.40	< 6,500	< 23
Ethylbenzene	480	22	< 0.00076	< 0.00087	**67**	< 3.7	**50**	< 0.072	< 0.00077	< 0.00073	< 0.00081	< 13	< 0.045
Hexachlorobutadiene	310	42	--	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene (Cumene)	--	9,900[4]	< 0.00076	< 0.00087	< 4.5	< 3.7	< 4.1	< 0.072	< 0.00077	< 0.00073	< 0.00081	< 13	**0.074**
m,p-Xylenes	2,400	2,400	< 0.0015	< 0.0017	**17**	< 7.4	**18**	< 0.14	< 0.0015	< 0.0015	< 0.0016	< 26	< 0.091

TABLE 1
SUMMARY OF SOIL ANALYTICAL RESULTS
POTRERO POWER PLANT TANK FARM
SAN FRANCISCO, CALIFORNIA

		Location ID	**GB-151**	**GB-151**	**GB-151**	**GB-151**	**GB-151**	**GB-151**	**GB-152**	**GB-152**	**GB-152**	**GB-152**	**GB-152**
		Sample ID	GB-151-2.0	GB-151-5.0	GB-151-9.5	GB-151-15.0	GB-151-19.0	GB-151-26.0	GB-152-2.0	GB-152-4.5	GB-152-10.5	GB-152-13.5	GB-152-16.5
		Sample Date	11/08/2017	12/04/2017	12/05/2017	12/05/2017	12/05/2017	12/06/2017	11/09/2017	11/21/2017	11/21/2017	11/21/2017	11/21/2017
		Sample Depth (feet bgs)	2.0	5.0	9.5	15.0	19.0	26.0	2.0	4.5	10.5	13.5	16.5
		Sample Type	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary
Analyte	**Construction Worker Screening Level[1]**	**Commercial/Industrial Screening Level[2]**											
Methyl Tert Butyl Ether	3,700	180	< 0.0015	< 0.0017	< 8.9	< 7.4	< 8.1	< 0.14	< 0.0015	< 0.0015	< 0.0016	< 26	< 0.091
Methylene chloride	500	25	< 0.0076	< 0.0087	< 45	< 37	< 41	< 0.72	< 0.0077	< 0.0073	< 0.0081	< 130	< 0.45
Naphthalene	350	14	< 0.0076	**0.021**	**15,000**	**850**	**19,000**	**19**	< 0.0077	< 0.0073	< 0.0081	**2,100**	< 0.45
n-Butylbenzene	--	6,400[7]	< 0.00076	< 0.00087	< 4.5	< 3.7	< 4.1	< 0.072	< 0.00077	< 0.00073	< 0.00081	< 13	**0.076**
n-Propylbenzene	--	24,000	< 0.0015	< 0.0017	< 8.9	< 7.4	< 8.1	< 0.14	< 0.0015	< 0.0015	< 0.0016	< 26	< 0.091
o-Xylene	2,400	2,400	< 0.00076	< 0.00087	**13**	< 3.7	**7.6**	< 0.072	< 0.00077	< 0.00073	< 0.00081	< 13	< 0.045
Styrene	29,000	40,000	< 0.00076	< 0.00087	< 4.5	< 3.7	< 4.1	< 0.072	< 0.00077	< 0.00073	< 0.00081	< 13	< 0.045
t-Amyl Alcohol	--	340[4]	< 0.038	< 0.044	< 220	< 190	< 200	< 3.6	< 0.038	< 0.036	< 0.040	< 650	< 2.3
Tert-Amyl Methyl Ether (TAME)	--	--	< 0.00076	< 0.00087	< 4.5	< 3.7	< 4.1	< 0.072	< 0.00077	< 0.00073	< 0.00081	< 13	< 0.045
Tert-Butyl Alcohol (tert-Butanol)	--	--	< 0.015 J	< 0.017	< 89	< 74	< 81	< 1.4	< 0.015 J	< 0.015	< 0.016	< 260	< 0.91
Tert-Butyl Ethyl Ether (ETBE)	--	--	< 0.00076	< 0.00087	< 4.5	< 3.7	< 4.1	< 0.072	< 0.00077	< 0.00073	< 0.00081	< 13	< 0.045
tert-Butylbenzene	--	12,000[7]	< 0.00076	< 0.00087	< 4.5	< 3.7	< 4.1	< 0.072	< 0.00077	< 0.00073	< 0.00081	< 13	< 0.045
Tetrachloroethene	33	2.7	< 0.00076	< 0.00087	< 4.5	< 3.7	< 4.1	< 0.072	< 0.00077	< 0.00073	< 0.00081	< 13	< 0.045
Toluene	4,100	4,600	< 0.00076	< 0.00087	< 4.5	< 3.7	**14**	< 0.072	< 0.00077	< 0.00073	< 0.00081	< 13	< 0.045
trans-1,2-Dichloroethene	680	730	< 0.00076	< 0.00087	< 4.5	< 3.7	< 4.1	< 0.072	< 0.00077	< 0.00073	< 0.00081	< 13	< 0.045
trans-1,3-Dichloropropene	--	8.2[4]	< 0.0015	< 0.0017	< 8.9	< 7.4	< 8.1	< 0.14	< 0.0015	< 0.0015	< 0.0016	< 26	< 0.091
Trichloroethene	23	8	< 0.0015	< 0.0017	< 8.9	< 7.4	< 8.1	< 0.14	< 0.0015	< 0.0015	< 0.0016	< 26	< 0.091
Trichlorofluoromethane (CFC-11)	--	5,400[7]	< 0.0076	< 0.0087	< 45	< 37	< 41	< 0.72	< 0.0077	< 0.0073	< 0.0081	< 130	< 0.45
Trifluorotrichloroethane (Freon 113)	--	28,000[4]	< 0.0076	< 0.0087	< 45	< 37	< 41	< 0.72	< 0.0077	< 0.0073	< 0.0081	< 130	< 0.45
Vinyl acetate	--	3,800[4]	< 0.0076	< 0.0087	< 45	< 37	< 41	< 0.72	< 0.0077	< 0.0073	< 0.0081	< 130	< 0.45
Vinyl chloride	3.4	0.15	< 0.00076	< 0.00087	< 4.5	< 3.7	< 4.1	< 0.072	< 0.00077	< 0.00073	< 0.00081	< 13	< 0.045
Xylene (total)	2,400	2,400	--	--	--	--	--	--	--	--	--	--	--
Inorganic Compounds													
Asbestos (%)	--	--	< 0.25	< 0.25	< 0	--	--	--	< 0	< 0	< 0	< 0	**0.25**
Total Cyanide (mg/kg)	--	--	--	--	**17**	**10**	**1.4**	< 0.50	--	--	--	**11**	--
Total phenols (mg/kg)	--	--	--	--	--	--	--	--	--	--	--	--	--

Notes
Volatile Organic Compounds (VOCs) analyzed by EPA Method 8260B
Semi-Volatile Organic Compounds (SVOCs) analyzed by EPA Method 8270 SIM
Metals analyzed by EPA Methods 6010B/7471A
Polychlorinated Biphenyls analyzed by EPA Method 8082
Total Petroleum Hydrocarbons analyzed by EPA Method 8015B
Total Cyanide analyzed by EPA Method 9014
Asbestos analyzed by CARB 435

Soil Screening Levels:
1. Environmental Screening Levels (ESLs), Table S-1: Direct Exposure soil Screening Levels, Commercial/Industrial Worker Exposure Scenario, Most Stringent (Water Board, February 2016).
2. Environmental Screening Levels (ESLs), Table S-1: Direct Exposure soil Screening Levels, Construction Worker Exposure Scenario, Most Stringent (Water Board, February 2016).
3. Arsenic concentrations are compared to the background threshold value of 12 mg/kg developed for the adjacent Station A Area (AMEC, 2011).
4. USEPA Regional Screening Level (RSL) for industrial soil endorsed by DTSC (USEPA, November 2017).
5. 0.9 mg/kg B(a)P WQ is the 95th perecentile of the northern California ambient data set for surface soil. The range of ambient concentrations in the northern California ambient data set is non-detect to 2.8 mg/kg.
6. Due to the lack of published screening criteria, the screening levels for acenaphthene and fluoranthene were selected to screen the results for benzo(g,h,i)perylene and phenanthrene, respectively, due to the similar chemical structure.
7. DTSC Modified screening level for industrial soil (DTSC, January 2018)

B(a)P EQ were calculated using potency equivalency factors from the DTSC Preliminary Endangerment Assessment Guidance Manual
BOLD = concentration detected above the laboratory reporting limi
Orange highlight = result exceeded the referenced Construction Worker Screening Level
Green highlight = result exceeded the referenced Commercial/Industrial Screening Level

Abbreviations:
< = analyte not detected above the indicated reporting limit.
J = estimated concentration.
R = rejected result
-- = not analyzed or not applicable.
mg/kg = milligrams per kilogram
ft bgs = feet below ground surface

TABLE 1
SUMMARY OF SOIL ANALYTICAL RESULTS
POTRERO POWER PLANT TANK FARM
SAN FRANCISCO, CALIFORNIA

		Location ID	GB-152	GB-153	GB-153	GB-153	GB-153	GB-153	GB-153	GB-154	GB-154	GB-154	GB-154
		Sample ID	GB-152-19.0	GB-153-5.0	GB-153-1.5	GB-153-9.0	GB-153-13.0	GB-153-18.0	GB-153-20.0	GB-154-2.0	GB-154-5.0	GB-154-9.5	GB-154-19.0
		Sample Date	11/21/2017	11/21/2017	12/05/2017	12/05/2017	12/05/2017	12/05/2017	12/05/2017	11/16/2017	11/16/2017	12/04/2017	12/06/2017
		Sample Depth (feet bgs)	19.0	5.0	1.5	9.0	13.0	18.0	20.0	2.0	5.0	9.5	19.0
		Sample Type	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary
Analyte	**Construction Worker Screening Level[1]**	**Commercial/Industrial Screening Level[2]**											
Metals (mg/kg)													
Antimony	140	470	--	< 0.732	< 0.758	< 0.785	--	< 0.735	--	< 0.732 J	< 0.746 J	< 0.750	--
Arsenic	12[3]	12[3]	--	**4.36**	**3.19**	**3.55**	--	**4.24**	--	**4.16**	**3.43**	**4.13**	--
Barium	3,000	220,000	--	**111**	**83.5**	**324**	--	**662**	--	**254**	**180**	**94.4**	--
Beryllium	42	2,200	--	**0.246**	**0.274**	**0.27**	--	**0.459**	--	**0.41**	**0.288**	**0.287**	--
Cadmium	43	580	--	< 0.488	< 0.505	**1.09**	--	**0.809**	--	**0.65**	**0.599**	< 0.500	--
Chromium	530,000	1,800,000	--	**356**	**212**	**158**	--	**126**	--	**60.1**	**47.4**	**305**	--
Cobalt	28	350	--	**43.6**	**24.7**	**33**	--	**40.3**	--	**22.9**	**13.9**	**33.7**	--
Copper	14,000	47,000	--	**23.4**	**25.9**	**66.4**	--	**76.5**	--	**62.7**	**37.9**	**26**	--
Lead	160	320	--	**81.7**	**55.2**	**2.11**	--	**9.08**	--	**75.2**	**70.2**	**234**	**33.1 J**
Mercury	44	190	--	**0.182**	**0.272**	< 0.0806	--	< 0.0794	--	**2.86**	**0.602**	**0.15**	--
Molybdenum	1,800	5,800	--	< 0.244	< 0.253	< 0.262	--	**0.623**	--	< 0.244	< 0.249	< 0.250	--
Nickel	86	11,000	--	**718**	**357**	**109**	--	**141**	--	**97.2**	**63.5**	**588**	--
Selenium	1,700	5,800	--	< 0.732	< 0.758	< 0.785	--	< 0.735	--	< 0.732	< 0.746	< 0.750	--
Silver	1,800	5,800	--	< 0.244	< 0.253	< 0.262	--	< 0.245	--	< 0.244	< 0.249	< 0.250	--
Thallium	3.5	12	--	< 0.732	**0.952**	< 0.785	--	< 0.735	--	< 0.732	< 0.746	< 0.750	--
Vanadium	470	5,800	--	**33.7**	**38.7**	**121**	--	**101**	--	**58.2**	**40.4**	**33.5**	--
Zinc	110,000	350,000	--	**44.5**	**54.4**	**53**	--	**52.3**	--	**85.3**	**59.3**	**59.5**	--
Polychlorinated Biphenyls (mg/kg)													
Aroclor-1016 (PCB-1016)	5.6	1.0	--	--	< 0.049	--	--	--	--	< 0.049	--	--	--
Aroclor-1221 (PCB-1221)	5.6	1.0	--	--	< 0.049	--	--	--	--	< 0.049	--	--	--
Aroclor-1232 (PCB-1232)	5.6	1.0	--	--	< 0.049	--	--	--	--	< 0.049	--	--	--
Aroclor-1242 (PCB-1242)	5.6	1.0	--	--	< 0.049	--	--	--	--	< 0.049	--	--	--
Aroclor-1248 (PCB-1248)	5.6	1.0	--	--	< 0.049	--	--	--	--	< 0.049	--	--	--
Aroclor-1254 (PCB-1254)	5.6	1.0	--	--	< 0.049	--	--	--	--	< 0.049	--	--	--
Aroclor-1260 (PCB-1260)	5.6	1.0	--	--	< 0.049	--	--	--	--	< 0.049	--	--	--
Aroclor-1262 (PCB-1262)	5.6	1.0	--	--	< 0.049	--	--	--	--	< 0.049	--	--	--
Aroclor-1268 (PCB-1268)	5.6	1.0	--	--	< 0.049	--	--	--	--	< 0.049	--	--	--
Semi-Volatile Organic Compounds (mg/kg)													
1-Methylnaphthalene	--	--	**0.17**	< 0.98	**0.14**	< 0.099	< 0.99	< 390	**2.2**	< 0.010	< 0.0098	**0.11**	**0.47**
2,4,6-Trichlorophenol	350	47	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	1,100	3,500	--	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	7,100	23,000	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	710	2,300	--	--	--	--	--	--	--	--	--	--	--
2,6-Dichlorophenol	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	1,800	5,800	--	--	--	--	--	--	--	--	--	--	--
2-Methylnaphthalene	670	3,000	< 0.10	< 0.98	**0.11**	< 0.099	< 0.99	< 390	**4**	**0.013**	**0.01**	< 0.10	**0.7**
2-Methylphenol (o-Cresol)	--	41,000[4]	--	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	--	--	--	--	--	--	--	--	--	--	--	--	--
3&4-Methylphenol	--	--	--	--	--	--	--	--	--	--	--	--	--
3/4-Methylphenols (p/m-Cresol) A	--	41,000[4]	--	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	--	66[4]	--	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	--	--	--	--	--	--	--	--	--	--	--	--	--
Acenaphthene	10,000	45,000	**0.88**	**1.4**	< 0.10	**1.8**	**37**	**47**	**1.1**	< 0.010	< 0.0098	**0.11**	**0.34**
Acenaphthylene	--	45,000[4]	**0.2**	**9.6**	**0.88**	**0.52**	**2.5**	**640**	**7.1**	**0.047**	**0.016**	**1.6**	**0.11**
Anthracene	50,000	230,000	**0.41**	**11**	**0.28**	**0.77**	**5.7**	< 390	**6**	**0.031**	**0.01**	**1.2**	**0.12**
Benzo(a)anthracene	16	2.9	**0.42**	**23**	**1**	**2.4**	**7.6**	**410**	**4.4**	**0.12**	**0.026**	**4.5**	**0.14**
Benzo(a)pyrene	1.6	0.29	**0.43**	**42**	**2**	**3.4**	**11**	**570**	**6.7**	**0.16**	**0.043**	**5.1**	**0.17**
Benzo(A)Pyrene Equivalent (1/2 RL substituted for ND)	0.9[5]	0.9[5]	**0.58**	**55.36**	**2.73**	**4.42**	**13.63**	**702.44**	**8.64**	**0.23**	**0.06**	**7.16**	**0.23**
Benzo(b)fluoranthene	16	2.9	**0.29**	**29**	**1.4**	**2.2**	**7.2**	< 390	**3.8**	**0.13**	**0.034**	**3.8**	**0.11**
Benzo(g,h,i)perylene	10,000[6]	45,000[6]	**0.27**	**47**	**2.6**	**2.4**	**6.9**	**420**	**4**	**0.13**	**0.049**	**2.7**	**0.1**
Benzo(k)fluoranthene	150	29	**0.26**	**23**	**1.1**	**1.7**	**5.9**	< 390	**3.5**	**0.11**	**0.025**	**3.5**	**0.11**
Chrysene	1,500	260	**0.48**	**31**	**1.3**	**3.2**	**10**	**490**	**10**	**0.14**	**0.032**	**4.6**	**0.14**
Dibenz(a,h)anthracene	1.6	0.29	< 0.10	**4.9**	**0.31**	**0.34**	< 0.99	**50**	**0.73**	**0.034**	**0.011**	**0.95**	**0.027**
Fluoranthene	6,700	30,000	**1.8**	**100**	**2.3**	**14**	**41**	**1,700**	**18**	**0.2**	**0.038**	**7**	**0.35**
Fluorene	6,700	30,000	**0.33**	**1.2**	< 0.10	< 0.099	**1.7**	< 390	**3.9**	< 0.010	< 0.0098	**0.11**	**0.16**
Indeno(1,2,3-cd)pyrene	16	2.9	**0.21**	**30**	**1.7**	**2**	**5.9**	< 390	**3.5**	**0.1**	**0.033**	**2.4**	**0.096**
Naphthalene	350	14	**0.3**	**4.3**	**1.3**	**0.18**	**1.5**	**13,000**	**200**	**0.084**	**0.12**	**0.34**	**7**
Pentachlorophenol	20	4	--	--	--	--	--	--	--	--	--	--	--
Phenanthrene	6,700[6]	30,000[6]	**2.6**	**76**	**1.9**	**1.4**	**31**	**2,800**	**31**	**0.12**	**0.023**	**1.1**	**0.71**
Phenol	98,000	350,000	--	--	--	--	--	--	--	--	--	--	--
Pyrene	5,000	23,000	**1.8**	**120**	**3**	**17**	**45**	**1,800**	**19**	**0.27**	**0.054**	**8.3**	**0.44**

TABLE 1
SUMMARY OF SOIL ANALYTICAL RESULTS
POTRERO POWER PLANT TANK FARM
SAN FRANCISCO, CALIFORNIA

		Location ID	GB-152	GB-153	GB-153	GB-153	GB-153	GB-153	GB-153	GB-154	GB-154	GB-154	GB-154
		Sample ID	GB-152-19.0	GB-153-5.0	GB-153-1.5	GB-153-9.0	GB-153-13.0	GB-153-18.0	GB-153-20.0	GB-154-2.0	GB-154-5.0	GB-154-9.5	GB-154-19.0
		Sample Date	11/21/2017	11/21/2017	12/05/2017	12/05/2017	12/05/2017	12/05/2017	12/05/2017	11/16/2017	11/16/2017	12/04/2017	12/06/2017
		Sample Depth (feet bgs)	19.0	5.0	1.5	9.0	13.0	18.0	20.0	2.0	5.0	9.5	19.0
		Sample Type	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary
Analyte	**Construction Worker Screening Level[1]**	**Commercial/Industrial Screening Level[2]**											
Total Petroleum Hydrocarbons (mg/kg)													
Diesel Range Organics	880	1,100	**150**	**1,500 J**	**110**	**2,200**	**6,700**	**4,700**	**480**	**14**	**32**	**400**	**100**
Gasoline Range Organics	2,800	3,900	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons (C9-C40)	880	1,100	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons-Motor Oil	32,000	140,000	**190**	**2,400 J**	**180**	**2,500**	**6,000**	**3,500**	**280**	**48**	**130**	**760**	**29**
Volatile Organic Compounds (mg/kg)													
1,1,1,2-Tetrachloroethane	340	18	--	< 0.00097	< 0.00088	< 0.16	< 0.041	< 53	< 0.76	< 0.00073	< 0.00080	< 0.00089	< 0.094
1,1,1-Trichloroethane	8,800	8,900	--	< 0.00097	< 0.00088	< 0.16	< 0.041	< 53	< 0.76	< 0.00073	< 0.00080	< 0.00089	< 0.094
1,1,2,2-Tetrachloroethane	44	2.3	--	< 0.0019	< 0.0018	< 0.32	< 0.082	< 110	< 1.5	< 0.0015	< 0.0016	< 0.0018	< 0.19
1,1,2-Trichloroethane	5.2	4.2	--	< 0.00097	< 0.00088	< 0.16	< 0.041	< 53	< 0.76	< 0.00073	< 0.00080	< 0.00089	< 0.094
1,1-Dichloroethane	390	17	--	< 0.00097	< 0.00088	< 0.16	< 0.041	< 53	< 0.76	< 0.00073	< 0.00080	< 0.00089	< 0.094
1,1-Dichloroethene	390	400	--	< 0.00097	< 0.00088	< 0.16	< 0.041	< 53	< 0.76	< 0.00073	< 0.00080	< 0.00089	< 0.094
1,1-Dichloropropane	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	--	--	--	< 0.0019	< 0.0018	< 0.32	< 0.082	< 110	< 1.5	< 0.0015	< 0.0016	< 0.0018	< 0.19
1,2,3-Trichlorobenzene	--	310[7]	--	< 0.0019	< 0.0018	< 0.32	< 0.082	< 110	< 1.5	< 0.0015	< 0.0016	< 0.0018	< 0.19
1,2,3-Trichloropropane	--	0.021[7]	--	< 0.0019	< 0.0018	< 0.32	< 0.082	< 110	< 1.5	< 0.0015	< 0.0016	< 0.0018	< 0.19
1,2,4-Trichlorobenzene	310	110	--	< 0.0019	< 0.0018	< 0.32	< 0.082	< 110	< 1.5	< 0.0015	< 0.0016	< 0.0018	< 0.19
1,2,4-Trimethylbenzene	--	1,800[4]	--	< 0.0019	< 0.0018	< 0.32	< 0.082	< 110	< 1.5	< 0.0015	< 0.0016	< 0.0018	< 0.19
1,2-Dibromo-3-chloropropane (DBCP)	1.3	0.072	--	< 0.0048	< 0.0044	< 0.79	< 0.20	< 270	< 3.8	< 0.0037	< 0.0040	< 0.0045	< 0.47
1,2-Dibromoethane (Ethylene Dibromide)	3.2	0.16	--	< 0.00097	< 0.00088	< 0.16	< 0.041	< 53	< 0.76	< 0.00073	< 0.00080	< 0.00089	< 0.094
1,2-Dichlorobenzene	8,500	11,000	--	< 0.00097	< 0.00088	< 0.16	< 0.041	< 53	< 0.76	< 0.00073	< 0.00080	< 0.00089	< 0.094
1,2-Dichloroethane	37	1.6	--	< 0.00097	< 0.00088	< 0.16	< 0.041	< 53	< 0.76	< 0.00073	< 0.00080	< 0.00089	< 0.094
1,2-Dichloropropane	58	3.9	--	< 0.00097	< 0.00088	< 0.16	< 0.041	< 53	< 0.76	< 0.00073	< 0.00080	< 0.00089	< 0.094
1,3,5-Trimethylbenzene	--	1,500[4]	--	< 0.0019	< 0.0018	< 0.32	< 0.082	< 110	< 1.5	< 0.0015	< 0.0016	< 0.0018	< 0.19
1,3-Dichlorobenzene	--	--	--	< 0.00097	< 0.00088	< 0.16	< 0.041	< 53	< 0.76	< 0.00073	< 0.00080	< 0.00089	< 0.094
1,3-Dichloropropane	--	2,200[7]	--	< 0.00097	< 0.00088	< 0.16	< 0.041	< 53	< 0.76	< 0.00073	< 0.00080	< 0.00089	< 0.094
1,3-Dichloropropene	29	1.2	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	310	13	--	< 0.00097	< 0.00088	< 0.16	< 0.041	< 53	< 0.76	< 0.00073	< 0.00080	< 0.00089	< 0.094
1-Methylethyl-benzene A	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	--	--	--	< 0.0048	< 0.0044	< 0.79	< 0.20	< 270	< 3.8	< 0.0037	< 0.0040	< 0.0045	< 0.47
2-Butanone (Methyl Ethyl Ketone)	--	190,000[4]	--	< 0.019	< 0.018	< 3.2	< 0.82	< 1,100	< 15	< 0.015	< 0.016	< 0.018	< 1.9
2-Chlorotoluene	--	2,600[7]	--	< 0.00097	< 0.00088	< 0.16	< 0.041	< 53	< 0.76	< 0.00073	< 0.00080	< 0.00089	< 0.094
2-Hexanone	--	1,300[4]	--	< 0.019	< 0.018	< 3.2	< 0.82	< 1,100	< 15	< 0.015	< 0.016	< 0.018	< 1.9
2-Phenylbutane (sec-Butylbenzene)	--	12,000[7]	--	< 0.00097	< 0.00088	**0.16**	< 0.041	< 53	< 0.76	< 0.00073	< 0.00080	< 0.00089	< 0.094
4-Chlorotoluene	--	2,300[7]	--	< 0.00097	< 0.00088	< 0.16	< 0.041	< 53	< 0.76	< 0.00073	< 0.00080	< 0.00089	< 0.094
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	--	140,000[4]	--	< 0.019	< 0.018	< 3.2	< 0.82	< 1,100	< 15	< 0.015	< 0.016	< 0.018	< 1.9
Acetone	260,000	630,000	--	< 0.048	< 0.044	< 7.9	< 2.0	< 2,700	< 38	**0.044**	**0.074**	< 0.045	< 4.7
Benzene	24	1	--	**0.0034**	**0.0012 J**	< 0.16	< 0.041	**95**	< 0.76	< 0.00073	< 0.00080	**0.0021**	**2**
Bromobenzene	--	1,800[4]	--	< 0.00097	< 0.00088	< 0.16	< 0.041	< 53	< 0.76	< 0.00073	< 0.00080	< 0.00089	< 0.094
Bromodichloromethane	47	2.3	--	< 0.00097	< 0.00088	< 0.16	< 0.041	< 53	< 0.76	< 0.00073	< 0.00080	< 0.00089	< 0.094
Bromoform	2,200	300	--	< 0.0048	< 0.0044	< 0.79	< 0.20	< 270	< 3.8	< 0.0037	< 0.0040	< 0.0045	< 0.47
Bromomethane (Methyl Bromide)	34	36	--	< 0.019	< 0.018	< 3.2	< 0.82	< 1,100	< 15	< 0.015	< 0.016	< 0.018	< 1.9
Carbon disulfide	--	3,500[4]	--	**0.0099**	< 0.0088	< 1.6	< 0.41	< 530	< 7.6	< 0.0073	< 0.0080	**0.057**	< 0.94
Carbon tetrachloride	13	0.54	--	< 0.00097	< 0.00088	< 0.16	< 0.041	< 53	< 0.76	< 0.00073	< 0.00080	< 0.00089	< 0.094
Chlorobenzene	1,100	1,200	--	< 0.00097	< 0.00088	< 0.16	< 0.041	< 53	< 0.76	< 0.00073	< 0.00080	< 0.00089	< 0.094
Chlorobromomethane	--	630[4]	--	< 0.0019	< 0.0018	< 0.32	< 0.082	< 110	< 1.5	< 0.0015	< 0.0016	< 0.0018	< 0.19
Chloroethane	53,000	53,000	--	< 0.0019	< 0.0018	< 0.32	< 0.082	< 110	< 1.5	< 0.0015	< 0.0016	< 0.0018	< 0.19
Chloroform (Trichloromethane)	32	1.3	--	< 0.00097	< 0.00088	< 0.16	< 0.041	< 53	< 0.76	< 0.00073	< 0.00080	< 0.00089	< 0.094
Chloromethane (Methyl Chloride)	430	430	--	< 0.019	< 0.018	< 3.2	< 0.82	< 1,100	< 15	< 0.015	< 0.016	< 0.018	< 1.9
cis-1,2-Dichloroethene	82	90	--	< 0.00097	< 0.00088	< 0.16	< 0.041	< 53	< 0.76	< 0.00073	< 0.00080	< 0.00089	< 0.094
cis-1,3-Dichloropropene	--	8.2[4]	--	< 0.00097	< 0.00088	< 0.16	< 0.041	< 53	< 0.76	< 0.00073	< 0.00080	< 0.00089	< 0.094
Cyclohexanone	--	130,000[4]	--	< 0.048	< 0.044	< 7.9	< 2.0	< 2,700	< 38	< 0.037	< 0.040	< 0.045	< 4.7
Cymene (p-Isopropyltoluene)	--	--	--	< 0.00097	< 0.00088	< 0.16	< 0.041	< 53	< 0.76	< 0.00073	< 0.00080	< 0.00089	< 0.094
Dibromochloromethane	290	39	--	< 0.0019	< 0.0018	< 0.32	< 0.082	< 110	< 1.5	< 0.0015	< 0.0016	< 0.0018	< 0.19
Dibromomethane	--	99[4]	--	< 0.00097	< 0.00088	< 0.16	< 0.041	< 53	< 0.76	< 0.00073	< 0.00080	< 0.00089	< 0.094
Dichlorodifluoromethane (CFC-12)	--	370[4]	--	< 0.0019	< 0.0018	< 0.32	< 0.082	< 110	< 1.5	< 0.0015	< 0.0016	< 0.0018	< 0.19
Diisopropyl ether (DIPE)	--	9,400[4]	--	< 0.00097	< 0.00088	< 0.16	< 0.041	< 53	< 0.76	< 0.00073	< 0.00080	< 0.00089	< 0.094
Ethanol	--	--	--	< 0.48	< 0.44	< 79	< 20	< 27,000	< 380	< 0.37	< 0.40	< 0.45	< 47
Ethylbenzene	480	22	--	< 0.00097	< 0.00088	< 0.16	< 0.041	< 53	< 0.76	< 0.00073	< 0.00080	< 0.00089	**1.1**
Hexachlorobutadiene	310	42	--	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene (Cumene)	--	9,900[4]	--	< 0.00097	< 0.00088	< 0.16	< 0.041	< 53	< 0.76	< 0.00073	< 0.00080	< 0.00089	< 0.094
m,p-Xylenes	2,400	2,400	--	< 0.0019	< 0.0018	< 0.32	< 0.082	< 110	< 1.5	< 0.0015	< 0.0016	< 0.0018	< 0.19

TABLE 1
SUMMARY OF SOIL ANALYTICAL RESULTS
POTRERO POWER PLANT TANK FARM
SAN FRANCISCO, CALIFORNIA

		Location ID	**GB-152**	**GB-153**	**GB-153**	**GB-153**	**GB-153**	**GB-153**	**GB-153**	**GB-154**	**GB-154**	**GB-154**	**GB-154**
		Sample ID	GB-152-19.0	GB-153-5.0	GB-153-1.5	GB-153-9.0	GB-153-13.0	GB-153-18.0	GB-153-20.0	GB-154-2.0	GB-154-5.0	GB-154-9.5	GB-154-19.0
		Sample Date	11/21/2017	11/21/2017	12/05/2017	12/05/2017	12/05/2017	12/05/2017	12/05/2017	11/16/2017	11/16/2017	12/04/2017	12/06/2017
		Sample Depth (feet bgs)	19.0	5.0	1.5	9.0	13.0	18.0	20.0	2.0	5.0	9.5	19.0
		Sample Type	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary
Analyte	**Construction Worker Screening Level[1]**	**Commercial/Industrial Screening Level[2]**											
Methyl Tert Butyl Ether	3,700	180	--	< 0.0019	< 0.0018	< 0.32	< 0.082	< 110	< 1.5	< 0.0015	< 0.0016	< 0.0018	< 0.19
Methylene chloride	500	25	--	< 0.0097	< 0.0088	< 1.6	< 0.41	< 530	< 7.6	< 0.0073	< 0.0080	< 0.0089	< 0.94
Naphthalene	350	14	--	**0.046**	< 0.0088	< 1.6	**0.42**	**26,000**	**90**	< 0.0073	< 0.0080	< 0.0089	**38**
n-Butylbenzene	--	6,400[7]	--	< 0.00097	< 0.00088	**0.27**	**0.061**	< 53	< 0.76	< 0.00073	< 0.00080	< 0.00089	< 0.094
n-Propylbenzene	--	24,000	--	< 0.0019	< 0.0018	< 0.32	< 0.082	< 110	< 1.5	< 0.0015	< 0.0016	< 0.0018	< 0.19
o-Xylene	2,400	2,400	--	< 0.00097	< 0.00088	< 0.16	< 0.041	< 53	< 0.76	< 0.00073	< 0.00080	< 0.00089	**0.24**
Styrene	29,000	40,000	--	< 0.00097	< 0.00088	< 0.16	< 0.041	< 53	< 0.76	< 0.00073	< 0.00080	< 0.00089	< 0.094
t-Amyl Alcohol	--	340[4]	--	< 0.048	< 0.044	< 7.9	< 2.0	< 2,700	< 38	< 0.037	< 0.040	< 0.045	< 4.7
Tert-Amyl Methyl Ether (TAME)	--	--	--	< 0.00097	< 0.00088	< 0.16	< 0.041	< 53	< 0.76	< 0.00073	< 0.00080	< 0.00089	< 0.094
Tert-Butyl Alcohol (tert-Butanol)	--	--	--	< 0.019	< 0.018	< 3.2	< 0.82	< 1,100	< 15	< 0.015	< 0.016	< 0.018	< 1.9
Tert-Butyl Ethyl Ether (ETBE)	--	--	--	< 0.00097	< 0.00088	< 0.16	< 0.041	< 53	< 0.76	< 0.00073	< 0.00080	< 0.00089	< 0.094
tert-Butylbenzene	--	12,000[7]	--	< 0.00097	< 0.00088	< 0.16	**0.15**	< 53	< 0.76	< 0.00073	< 0.00080	< 0.00089	< 0.094
Tetrachloroethene	33	2.7	--	< 0.00097	< 0.00088	< 0.16	< 0.041	< 53	< 0.76	**0.00097**	**0.00096**	< 0.00089	< 0.094
Toluene	4,100	4,600	--	**0.0011**	< 0.00088	< 0.16	< 0.041	< 53	< 0.76	< 0.00073	< 0.00080	**0.0021**	< 0.094
trans-1,2-Dichloroethene	680	730	--	< 0.00097	< 0.00088	< 0.16	< 0.041	< 53	< 0.76	< 0.00073	< 0.00080	< 0.00089	< 0.094
trans-1,3-Dichloropropene	--	8.2[4]	--	< 0.0019	< 0.0018	< 0.32	< 0.082	< 110	< 1.5	< 0.0015	< 0.0016	< 0.0018	< 0.19
Trichloroethene	23	8	--	< 0.0019	< 0.0018	< 0.32	< 0.082	< 110	< 1.5	< 0.0015	< 0.0016	< 0.0018	< 0.19
Trichlorofluoromethane (CFC-11)	--	5,400[7]	--	< 0.0097	< 0.0088	< 1.6	< 0.41	< 530	< 7.6	< 0.0073	< 0.0080	< 0.0089	< 0.94
Trifluorotrichloroethane (Freon 113)	--	28,000[4]	--	< 0.0097	< 0.0088	< 1.6	< 0.41	< 530	< 7.6	< 0.0073	< 0.0080	< 0.0089	< 0.94
Vinyl acetate	--	3,800[4]	--	< 0.0097	< 0.0088	< 1.6	< 0.41	< 530	< 7.6	< 0.0073	< 0.0080	< 0.0089	< 0.94
Vinyl chloride	3.4	0.15	--	< 0.00097	< 0.00088	< 0.16	< 0.041	< 53	< 0.76	< 0.00073	< 0.00080	< 0.00089	< 0.094
Xylene (total)	2,400	2,400	--	--	--	--	--	--	--	--	--	--	--
Inorganic Compounds													
Asbestos (%)	--	--	--	< 0.25	**0.25**	**0.75**	--	--	--	< 0	< 0.25	**0.75**	--
Total Cyanide (mg/kg)	--	--	--	--	--	--	--	**0.78**	--	--	--	--	--
Total phenols (mg/kg)	--	--	--	--	--	--	--	--	--	--	--	--	--

Notes
Volatile Organic Compounds (VOCs) analyzed by EPA Method 8260B
Semi-Volatile Organic Compounds (SVOCs) analyzed by EPA Method 8270 SIM
Metals analyzed by EPA Methods 6010B/7471A
Polychlorinated Biphenyls analyzed by EPA Method 8082
Total Petroleum Hydrocarbons analyzed by EPA Method 8015B
Total Cyanide analyzed by EPA Method 9014
Asbestos analyzed by CARB 435

Soil Screening Levels:
1. Environmental Screening Levels (ESLs), Table S-1: Direct Exposure soil Screening Levels, Commercial/Industrial Worker Exposure Scenario, Most Stringent (Water Board, February 2016).
2. Environmental Screening Levels (ESLs), Table S-1: Direct Exposure soil Screening Levels, Construction Worker Exposure Scenario, Most Stringent (Water Board, February 2016).
3. Arsenic concentrations are compared to the background threshold value of 12 mg/kg developed for the adjacent Station A Area (AMEC, 2011).
4. USEPA Regional Screening Level (RSL) for industrial soil endorsed by DTSC (USEPA, November 2017).
5. 0.9 mg/kg B(a)P WQ is the 95th perecentile of the northern California ambient data set for surface soil. The range of ambient concentrations in the northern California ambient data set is non-detect to 2.8 mg/kg.
6. Due to the lack of published screening criteria, the screening levels for acenaphthene and fluoranthene were selected to screen the results for benzo(g,h,i)perylene and phenanthrene, respectively, due to the similar chemical structure.
7. DTSC Modified screening level for industrial soil (DTSC, January 2018)

B(a)P EQ were calculated using potency equivalency factors from the DTSC Preliminary Endangerment Assessment Guidance Manual
BOLD = concentration detected above the laboratory reporting limi
Orange highlight = result exceeded the referenced Construction Worker Screening Level
Green highlight = result exceeded the referenced Commercial/Industrial Screening Level

Abbreviations:
< = analyte not detected above the indicated reporting limit.
J = estimated concentration.
R = rejected result
-- = not analyzed or not applicable.
mg/kg = milligrams per kilogram
ft bgs = feet below ground surface

TABLE 1
SUMMARY OF SOIL ANALYTICAL RESULTS
POTRERO POWER PLANT TANK FARM
SAN FRANCISCO, CALIFORNIA

		Location ID	GB-154	GB-154A	GB-154A	GB-155	GB-155A	GB-155A	GB-155A	GB-155A	GB-155B	GB-155C
		Sample ID	GB-154-23.0	GB-154A-2.0	GB-154A-9.5	GB-155-2.0	GB-155A-5.0	GB-155A-9.0	GB-155A-15.0	GB-155A-20.5	GB-155B-5.5	GB-155C-3.0
		Sample Date	12/06/2017	01/05/2018	01/05/2018	11/16/2017	01/02/2018	01/04/2018	01/04/2018	01/04/2018	02/23/2018	02/23/2018
		Sample Depth (feet bgs)	23.0	2.0	9.5	2.0	5.0	9.0	15.0	20.5	5.5	3.0
		Sample Type	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary
Analyte	**Construction Worker Screening Level[1]**	**Commercial/Industrial Screening Level[2]**										
Metals (mg/kg)												
Antimony	140	470	--	--	--	< 0.777 J	< 0.743 R	< 0.746	--	--	--	--
Arsenic	12[3]	12[3]	--	--	--	**2.72**	**2.64**	**2.26**	--	--	--	--
Barium	3,000	220,000	--	--	--	**144**	**48.7**	**69.5**	--	--	--	--
Beryllium	42	2,200	--	--	--	**0.347**	< 0.248	< 0.249	--	--	--	--
Cadmium	43	580	--	--	--	< 0.518	< 0.495	< 0.498	--	--	--	--
Chromium	530,000	1,800,000	--	--	--	**76.8 J**	**144**	**44.8**	--	--	--	--
Cobalt	28	350	--	--	--	**18.4**	**18.6**	**12.3**	--	--	--	--
Copper	14,000	47,000	--	--	--	**26.4**	**15.5**	**23.6**	--	--	--	--
Lead	160	320	--	--	--	**26.9**	**23.7**	**25.5**	--	--	--	--
Mercury	44	190	--	--	--	**0.939**	**0.139**	< 0.0833	--	--	--	--
Molybdenum	1,800	5,800	--	--	--	< 0.259	**0.344**	< 0.249	--	--	--	--
Nickel	86	11,000	--	--	--	**76.9**	**265**	**67.9**	--	--	--	--
Selenium	1,700	5,800	--	--	--	< 0.777	< 0.743 J	< 0.746	--	--	--	--
Silver	1,800	5,800	--	--	--	< 0.259	< 0.248	< 0.249	--	--	--	--
Thallium	3.5	12	--	--	--	< 0.777	**0.879**	< 0.746	--	--	--	--
Vanadium	470	5,800	--	--	--	**53.6**	**30.3**	**15.2**	--	--	--	--
Zinc	110,000	350,000	--	--	--	**50.2 J**	**49.1**	**19.4**	--	--	--	--
Polychlorinated Biphenyls (mg/kg)												
Aroclor-1016 (PCB-1016)	5.6	1.0	--	--	--	< 0.049	--	--	--	--	--	--
Aroclor-1221 (PCB-1221)	5.6	1.0	--	--	--	< 0.049	--	--	--	--	--	--
Aroclor-1232 (PCB-1232)	5.6	1.0	--	--	--	< 0.049	--	--	--	--	--	--
Aroclor-1242 (PCB-1242)	5.6	1.0	--	--	--	< 0.049	--	--	--	--	--	--
Aroclor-1248 (PCB-1248)	5.6	1.0	--	--	--	< 0.049	--	--	--	--	--	--
Aroclor-1254 (PCB-1254)	5.6	1.0	--	--	--	< 0.049	--	--	--	--	--	--
Aroclor-1260 (PCB-1260)	5.6	1.0	--	--	--	< 0.049	--	--	--	--	--	--
Aroclor-1262 (PCB-1262)	5.6	1.0	--	--	--	< 0.049	--	--	--	--	--	--
Aroclor-1268 (PCB-1268)	5.6	1.0	--	--	--	< 0.049	--	--	--	--	--	--
Semi-Volatile Organic Compounds (mg/kg)												
1-Methylnaphthalene	--	--	--	< 0.10	< 0.099	< 0.010	**1.2**	**280**	**1.8**	**2**	--	--
2,4,6-Trichlorophenol	350	47	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	1,100	3,500	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	7,100	23,000	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	710	2,300	--	--	--	--	--	--	--	--	--	--
2,6-Dichlorophenol	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	1,800	5,800	--	--	--	--	--	--	--	--	--	--
2-Methylnaphthalene	670	3,000	--	< 0.10	< 0.099	**0.012**	**1.6**	**84**	**0.57**	**3.1**	--	--
2-Methylphenol (o-Cresol)	--	41,000[4]	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	--	--	--	--	--	--	--	--	--	--	--	--
3&4-Methylphenol	--	--	--	--	--	--	--	--	--	--	--	--
3/4-Methylphenols (p/m-Cresol) A	--	41,000[4]	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	--	66[4]	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	--	--	--	--	--	--	--	--	--	--	--	--
Acenaphthene	10,000	45,000	--	< 0.10	< 0.099	< 0.010	**0.78**	**180**	**3**	**0.43**	--	--
Acenaphthylene	--	45,000[4]	--	**0.56**	**0.29**	**0.09**	**1.6**	**68**	**1**	**1.3**	--	--
Anthracene	50,000	230,000	--	**0.5**	**0.57**	**0.066**	**3.1**	**370**	**3.4**	**1.1**	--	--
Benzo(a)anthracene	16	2.9	--	**1.8**	**2**	**0.18**	**6.4**	**340**	**3.2**	**0.78**	--	--
Benzo(a)pyrene	1.6	0.29	--	**2.7**	**4.1**	**0.29**	**8.7**	**340**	**2.6**	**0.65**	--	--
Benzo(A)Pyrene Equivalent (1/2 RL substituted for ND)	0.9[5]	0.9[5]	--	**3.73**	**5.43**	**0.38**	**11.9**	**450.73**	**3.74**	**0.93**	--	--
Benzo(b)fluoranthene	16	2.9	--	**2**	**3**	**0.2**	**7.4**	**210**	**1.8**	**0.46**	--	--
Benzo(g,h,i)perylene	10,000[6]	45,000[6]	--	**2.8**	**4.1**	**0.3**	**8.8**	**200**	**1.2**	**0.34**	--	--
Benzo(k)fluoranthene	150	29	--	**1.8**	**2.3**	**0.19**	**4.2**	**240**	**2**	**0.52**	--	--
Chrysene	1,500	260	--	**2.2**	**2.8**	**0.23**	**7.8**	**330**	**3.2**	**0.77**	--	--
Dibenz(a,h)anthracene	1.6	0.29	--	**0.42**	**0.48**	**0.032**	**1.1**	**36**	**0.5**	**0.12**	--	--
Fluoranthene	6,700	30,000	--	**4.4**	**17**	**0.69**	**23**	**800**	**10**	**1.9**	--	--
Fluorene	6,700	30,000	--	**0.15**	< 0.099	**0.023**	**0.99**	**360**	**3.2**	**1.6**	--	--
Indeno(1,2,3-cd)pyrene	16	2.9	--	**2.1**	**3.2**	**0.2**	**6.7**	**170**	**1.2**	**0.32**	--	--
Naphthalene	350	14	--	**0.48**	**1.2**	**0.041**	**17**	**200**	**8.3**	**25**	--	--
Pentachlorophenol	20	4	--	--	--	--	--	--	--	--	--	--
Phenanthrene	6,700[6]	30,000[6]	--	**2.8**	**2**	**0.6**	**33**	**1,400**	**16**	**3.8**	--	--
Phenol	98,000	350,000	--	--	--	--	--	--	--	--	--	--
Pyrene	5,000	23,000	--	**7.6**	**20**	**0.82**	**30**	**830**	**8.3**	**2**	--	--

TABLE 1
SUMMARY OF SOIL ANALYTICAL RESULTS
POTRERO POWER PLANT TANK FARM
SAN FRANCISCO, CALIFORNIA

		Location ID	GB-154	GB-154A	GB-154A	GB-155	GB-155A	GB-155A	GB-155A	GB-155A	GB-155B	GB-155C
		Sample ID	GB-154-23.0	GB-154A-2.0	GB-154A-9.5	GB-155-2.0	GB-155A-5.0	GB-155A-9.0	GB-155A-15.0	GB-155A-20.5	GB-155B-5.5	GB-155C-3.0
		Sample Date	12/06/2017	01/05/2018	01/05/2018	11/16/2017	01/02/2018	01/04/2018	01/04/2018	01/04/2018	02/23/2018	02/23/2018
		Sample Depth (feet bgs)	23.0	2.0	9.5	2.0	5.0	9.0	15.0	20.5	5.5	3.0
		Sample Type	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary
Analyte	**Construction Worker Screening Level[1]**	**Commercial/Industrial Screening Level[2]**										
Total Petroleum Hydrocarbons (mg/kg)												
Diesel Range Organics	880	1,100	--	**3,000**	**1,400**	**26**	**420**	**21,000**	**670**	--	--	--
Gasoline Range Organics	2,800	3,900	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons (C9-C40)	880	1,100	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons-Motor Oil	32,000	140,000	--	**4,400**	**2,100**	**44**	**770**	**24,000**	**750**	--	--	--
Volatile Organic Compounds (mg/kg)												
1,1,1,2-Tetrachloroethane	340	18	< 0.38	--	--	< 0.00082	< 0.24	< 2.8	--	--	< 0.00087	< 0.00078
1,1,1-Trichloroethane	8,800	8,900	< 0.38	--	--	< 0.00082	< 0.24	< 2.8	--	--	< 0.00087	< 0.00078
1,1,2,2-Tetrachloroethane	44	2.3	< 0.75	--	--	< 0.0016	< 0.48	< 5.6	--	--	< 0.0017	< 0.0016
1,1,2-Trichloroethane	5.2	4.2	< 0.38	--	--	< 0.00082	< 0.24	< 2.8	--	--	< 0.00087	< 0.00078
1,1-Dichloroethane	390	17	< 0.38	--	--	< 0.00082	< 0.24	< 2.8	--	--	< 0.00087	< 0.00078
1,1-Dichloroethene	390	400	< 0.38	--	--	< 0.00082	< 0.24	< 2.8	--	--	< 0.00087	< 0.00078
1,1-Dichloropropane	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	--	--	< 0.75	--	--	< 0.0016	< 0.48	< 5.6	--	--	< 0.0017	< 0.0016
1,2,3-Trichlorobenzene	--	310[7]	< 0.75	--	--	< 0.0016	< 0.48	< 5.6	--	--	< 0.0017	< 0.0016
1,2,3-Trichloropropane	--	0.021[7]	< 0.75	--	--	< 0.0016	< 0.48	< 5.6	--	--	< 0.0017	< 0.0016
1,2,4-Trichlorobenzene	310	110	< 0.75	--	--	< 0.0016	< 0.48	< 5.6	--	--	< 0.0017	< 0.0016
1,2,4-Trimethylbenzene	--	1,800[4]	< 0.75	--	--	< 0.0016	< 0.48	< 5.6	--	--	< 0.0017	< 0.0016
1,2-Dibromo-3-chloropropane (DBCP)	1.3	0.072	< 1.9	--	--	< 0.0041	< 1.2	< 14	--	--	< 0.0043	< 0.0039
1,2-Dibromoethane (Ethylene Dibromide)	3.2	0.16	< 0.38	--	--	< 0.00082	< 0.24	< 2.8	--	--	< 0.00087	< 0.00078
1,2-Dichlorobenzene	8,500	11,000	< 0.38	--	--	< 0.00082	< 0.24	< 2.8	--	--	< 0.00087	< 0.00078
1,2-Dichloroethane	37	1.6	< 0.38	--	--	< 0.00082	< 0.24	< 2.8	--	--	< 0.00087	< 0.00078
1,2-Dichloropropane	58	3.9	< 0.38	--	--	< 0.00082	< 0.24	< 2.8	--	--	< 0.00087	< 0.00078
1,3,5-Trimethylbenzene	--	1,500[4]	< 0.75	--	--	< 0.0016	< 0.48	< 5.6	--	--	< 0.0017	< 0.0016
1,3-Dichlorobenzene	--	--	< 0.38	--	--	< 0.00082	< 0.24	< 2.8	--	--	< 0.00087	< 0.00078
1,3-Dichloropropane	--	2,200[7]	< 0.38	--	--	< 0.00082	< 0.24	< 2.8	--	--	< 0.00087	< 0.00078
1,3-Dichloropropene	29	1.2	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	310	13	< 0.38	--	--	< 0.00082	< 0.24	< 2.8	--	--	< 0.00087	< 0.00078
1-Methylethyl-benzene A	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	--	--	< 1.9	--	--	< 0.0041	< 1.2	< 14	--	--	< 0.0043	< 0.0039
2-Butanone (Methyl Ethyl Ketone)	--	190,000[4]	< 7.5	--	--	< 0.016	< 4.8	< 56	--	--	< 0.017	< 0.016
2-Chlorotoluene	--	2,600[7]	< 0.38	--	--	< 0.00082	< 0.24	< 2.8	--	--	< 0.00087	< 0.00078
2-Hexanone	--	1,300[4]	< 7.5	--	--	< 0.016	< 4.8	< 56	--	--	< 0.017	< 0.016
2-Phenylbutane (sec-Butylbenzene)	--	12,000[7]	< 0.38	--	--	< 0.00082	< 0.24	< 2.8	--	--	< 0.00087	< 0.00078
4-Chlorotoluene	--	2,300[7]	< 0.38	--	--	< 0.00082	< 0.24	< 2.8	--	--	< 0.00087	< 0.00078
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	--	140,000[4]	< 7.5	--	--	< 0.016	< 4.8	< 56	--	--	< 0.017	< 0.016
Acetone	260,000	630,000	< 19	--	--	< 0.041	< 12	< 140	--	--	< 0.043	< 0.039
Benzene	24	1	< 0.38	--	< 0.046	**0.0031**	< 0.24	**19**	**0.14**	--	**0.012**	< 0.00078
Bromobenzene	--	1,800[4]	< 0.38	--	--	< 0.00082	< 0.24	< 2.8	--	--	< 0.00087	< 0.00078
Bromodichloromethane	47	2.3	< 0.38	--	--	< 0.00082	< 0.24	< 2.8	--	--	< 0.00087	< 0.00078
Bromoform	2,200	300	< 1.9	--	--	< 0.0041	< 1.2	< 14	--	--	< 0.0043	< 0.0039
Bromomethane (Methyl Bromide)	34	36	< 7.5	--	--	< 0.016	< 4.8	< 56	--	--	< 0.017	< 0.016
Carbon disulfide	--	3,500[4]	< 3.8	--	--	< 0.0082	< 2.4	< 28	--	--	< 0.0087	< 0.0078
Carbon tetrachloride	13	0.54	< 0.38	--	--	< 0.00082	< 0.24	< 2.8	--	--	< 0.00087	< 0.00078
Chlorobenzene	1,100	1,200	< 0.38	--	--	< 0.00082	< 0.24	< 2.8	--	--	< 0.00087	< 0.00078
Chlorobromomethane	--	630[4]	< 0.75	--	--	< 0.0016	< 0.48	< 5.6	--	--	< 0.0017	< 0.0016
Chloroethane	53,000	53,000	< 0.75	--	--	< 0.0016	< 0.48	< 5.6	--	--	< 0.0017	< 0.0016
Chloroform (Trichloromethane)	32	1.3	< 0.38	--	--	< 0.00082	< 0.24	< 2.8	--	--	< 0.00087	< 0.00078
Chloromethane (Methyl Chloride)	430	430	< 7.5	--	--	< 0.016	< 4.8	< 56	--	--	< 0.017	< 0.016
cis-1,2-Dichloroethene	82	90	< 0.38	--	--	< 0.00082	< 0.24	< 2.8	--	--	< 0.00087	< 0.00078
cis-1,3-Dichloropropene	--	8.2[4]	< 0.38	--	--	< 0.00082	< 0.24	< 2.8	--	--	< 0.00087	< 0.00078
Cyclohexanone	--	130,000[4]	< 19	--	--	< 0.041	< 12	< 140	--	--	< 0.043	< 0.039
Cymene (p-Isopropyltoluene)	--	--	< 0.38	--	--	< 0.00082	< 0.24	< 2.8	--	--	< 0.00087	< 0.00078
Dibromochloromethane	290	39	< 0.75	--	--	< 0.0016	< 0.48	< 5.6	--	--	< 0.0017	< 0.0016
Dibromomethane	--	99[4]	< 0.38	--	--	< 0.00082	< 0.24	< 2.8	--	--	< 0.00087	< 0.00078
Dichlorodifluoromethane (CFC-12)	--	370[4]	< 0.75	--	--	< 0.0016	< 0.48	< 5.6	--	--	< 0.0017	< 0.0016
Diisopropyl ether (DIPE)	--	9,400[4]	< 0.38	--	--	< 0.00082	< 0.24	< 2.8	--	--	< 0.00087	< 0.00078
Ethanol	--	--	< 190	--	--	< 0.41	**360**	< 1,400	--	--	< 0.43	< 0.39
Ethylbenzene	480	22	< 0.38	--	< 0.046	< 0.00082	< 0.24	**3.5**	**0.072**	--	< 0.00087	< 0.00078
Hexachlorobutadiene	310	42	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene (Cumene)	--	9,900[4]	< 0.38	--	--	< 0.00082	< 0.24	< 2.8	--	--	< 0.00087	< 0.00078
m,p-Xylenes	2,400	2,400	< 0.75	--	< 0.091	< 0.0016	< 0.48	< 5.6	< 0.078	--	< 0.0017	< 0.0016

TABLE 1
SUMMARY OF SOIL ANALYTICAL RESULTS
POTRERO POWER PLANT TANK FARM
SAN FRANCISCO, CALIFORNIA

		Location ID	**GB-154**	**GB-154A**	**GB-154A**	**GB-155**	**GB-155A**	**GB-155A**	**GB-155A**	**GB-155A**	**GB-155B**	**GB-155C**
		Sample ID	GB-154-23.0	GB-154A-2.0	GB-154A-9.5	GB-155-2.0	GB-155A-5.0	GB-155A-9.0	GB-155A-15.0	GB-155A-20.5	GB-155B-5.5	GB-155C-3.0
		Sample Date	12/06/2017	01/05/2018	01/05/2018	11/16/2017	01/02/2018	01/04/2018	01/04/2018	01/04/2018	02/23/2018	02/23/2018
		Sample Depth (feet bgs)	23.0	2.0	9.5	2.0	5.0	9.0	15.0	20.5	5.5	3.0
		Sample Type	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary
Analyte	**Construction Worker Screening Level[1]**	**Commercial/Industrial Screening Level[2]**										
Methyl Tert Butyl Ether	3,700	180	< 0.75	--	--	< 0.0016	< 0.48	< 5.6	--	--	< 0.0017	< 0.0016
Methylene chloride	500	25	< 3.8	--	--	< 0.0082	< 2.4	< 28	--	--	< 0.0087	< 0.0078
Naphthalene	350	14	**34**	--	--	< 0.0082	**18**	**320**	--	--	**0.079**	< 0.0078
n-Butylbenzene	--	6,400[7]	< 0.38	--	--	< 0.00082	< 0.24	< 2.8	--	--	< 0.00087	< 0.00078
n-Propylbenzene	--	24,000	< 0.75	--	--	< 0.0016	< 0.48	< 5.6	--	--	< 0.0017	< 0.0016
o-Xylene	2,400	2,400	< 0.38	--	< 0.046	< 0.00082	< 0.24	< 2.8	**0.044**	--	< 0.00087	< 0.00078
Styrene	29,000	40,000	< 0.38	--	--	< 0.00082	< 0.24	< 2.8	--	--	< 0.00087	< 0.00078
t-Amyl Alcohol	--	340[4]	< 19	--	--	< 0.041	< 12	< 140	--	--	< 0.043	< 0.039
Tert-Amyl Methyl Ether (TAME)	--	--	< 0.38	--	--	< 0.00082	< 0.24	< 2.8	--	--	< 0.00087	< 0.00078
Tert-Butyl Alcohol (tert-Butanol)	--	--	< 7.5	--	--	< 0.016	< 4.8	< 56	--	--	< 0.017	< 0.016
Tert-Butyl Ethyl Ether (ETBE)	--	--	< 0.38	--	--	< 0.00082	< 0.24	< 2.8	--	--	< 0.00087	< 0.00078
tert-Butylbenzene	--	12,000[7]	< 0.38	--	--	< 0.00082	< 0.24	< 2.8	--	--	< 0.00087	< 0.00078
Tetrachloroethene	33	2.7	< 0.38	--	--	< 0.00082	< 0.24	< 2.8	--	--	< 0.00087	< 0.00078
Toluene	4,100	4,600	< 0.38	--	< 0.046	< 0.00082	< 0.24	< 2.8	< 0.039	--	< 0.00087	< 0.00078
trans-1,2-Dichloroethene	680	730	< 0.38	--	--	< 0.00082	< 0.24	< 2.8	--	--	< 0.00087	< 0.00078
trans-1,3-Dichloropropene	--	8.2[4]	< 0.75	--	--	< 0.0016	< 0.48	< 5.6	--	--	< 0.0017	< 0.0016
Trichloroethene	23	8	< 0.75	--	--	< 0.0016	< 0.48	< 5.6	--	--	< 0.0017	< 0.0016
Trichlorofluoromethane (CFC-11)	--	5,400[7]	< 3.8	--	--	< 0.0082	< 2.4	< 28	--	--	< 0.0087	< 0.0078
Trifluorotrichloroethane (Freon 113)	--	28,000[4]	< 3.8	--	--	< 0.0082	< 2.4	< 28	--	--	< 0.0087	< 0.0078
Vinyl acetate	--	3,800[4]	< 3.8	--	--	< 0.0082	< 2.4	< 28	--	--	< 0.0087	< 0.0078
Vinyl chloride	3.4	0.15	< 0.38	--	--	< 0.00082	< 0.24	< 2.8	--	--	< 0.00087	< 0.00078
Xylene (total)	2,400	2,400	--	--	--	--	--	--	--	--	--	--
Inorganic Compounds												
Asbestos (%)	--	--	--	--	--	< 0	**0.5**	< 0	--	--	--	--
Total Cyanide (mg/kg)	--	--	--	--	--	--	--	--	--	--	--	--
Total phenols (mg/kg)	--	--	--	--	--	--	--	--	--	--	--	--

Notes
Volatile Organic Compounds (VOCs) analyzed by EPA Method 8260B
Semi-Volatile Organic Compounds (SVOCs) analyzed by EPA Method 8270 SIM
Metals analyzed by EPA Methods 6010B/7471A
Polychlorinated Biphenyls analyzed by EPA Method 8082
Total Petroleum Hydrocarbons analyzed by EPA Method 8015B
Total Cyanide analyzed by EPA Method 9014
Asbestos analyzed by CARB 435

Soil Screening Levels:
1. Environmental Screening Levels (ESLs), Table S-1: Direct Exposure soil Screening Levels, Commercial/Industrial Worker Exposure Scenario, Most Stringent (Water Board, February 2016).
2. Environmental Screening Levels (ESLs), Table S-1: Direct Exposure soil Screening Levels, Construction Worker Exposure Scenario, Most Stringent (Water Board, February 2016).
3. Arsenic concentrations are compared to the background threshold value of 12 mg/kg developed for the adjacent Station A Area (AMEC, 2011).
4. USEPA Regional Screening Level (RSL) for industrial soil endorsed by DTSC (USEPA, November 2017).
5. 0.9 mg/kg B(a)P WQ is the 95th perecentile of the northern California ambient data set for surface soil. The range of ambient concentrations in the northern California ambient data set is non-detect to 2.8 mg/kg.
6. Due to the lack of published screening criteria, the screening levels for acenaphthene and fluoranthene were selected to screen the results for benzo(g,h,i)perylene and phenanthrene, respectively, due to the similar chemical structure.
7. DTSC Modified screening level for industrial soil (DTSC, January 2018)

B(a)P EQ were calculated using potency equivalency factors from the DTSC Preliminary Endangerment Assessment Guidance Manual
BOLD = concentration detected above the laboratory reporting limi
Orange highlight = result exceeded the referenced Construction Worker Screening Level
Green highlight = result exceeded the referenced Commercial/Industrial Screening Level

Abbreviations:
< = analyte not detected above the indicated reporting limit.
J = estimated concentration.
R = rejected result
-- = not analyzed or not applicable.
mg/kg = milligrams per kilogram
ft bgs = feet below ground surface

TABLE 1
SUMMARY OF SOIL ANALYTICAL RESULTS
POTRERO POWER PLANT TANK FARM
SAN FRANCISCO, CALIFORNIA

		Location ID	GB-156	GB-156A	GB-156B	GB-157	GB-158	GB-158	GB-158	GB-159	GB-159	GB-161	GB-161
		Sample ID	GB-156-2.0	GB-156A-5.0	GB-156B-5.5	GB-157-10.0	GB-158-10.0	GB-158-15.0	GB-158-20.0	GB-159-8.5	GB-159-10.0	GB-161-9.25	GB-161-15.0
		Sample Date	11/16/2017	01/02/2018	02/22/2018	01/08/2018	01/05/2018	01/05/2018	01/05/2018	01/04/2018	01/04/2018	01/05/2018	01/05/2018
		Sample Depth (feet bgs)	2.0	5.0	5.5	10.0	10.0	15.0	20.0	8.5	10.0	9.25	15.0
		Sample Type	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary
Analyte	**Construction Worker Screening Level[1]**	**Commercial/Industrial Screening Level[2]**											
Metals (mg/kg)													
Antimony	140	470	< 0.735 J	< 0.773 R	--	--	--	--	--	--	--	--	--
Arsenic	12[3]	12[3]	**5.25**	**4.9**	--	--	--	--	--	--	--	--	--
Barium	3,000	220,000	**140**	**122**	--	--	--	--	--	--	--	--	--
Beryllium	42	2,200	**0.353**	**0.312**	--	--	--	--	--	--	--	--	--
Cadmium	43	580	**0.611**	< 0.515	--	--	--	--	--	--	--	--	--
Chromium	530,000	1,800,000	**101**	**175**	--	--	--	--	--	--	--	--	--
Cobalt	28	350	**17.8**	**24.5**	--	--	--	--	--	--	--	--	--
Copper	14,000	47,000	**38.4**	**47.7**	--	--	--	--	--	--	--	--	--
Lead	160	320	**109**	**3,080**	--	--	--	--	--	--	--	**73.2**	--
Mercury	44	190	**3.58**	**0.238**	--	--	--	--	--	--	--	--	--
Molybdenum	1,800	5,800	< 0.245	**0.344**	--	--	--	--	--	--	--	--	--
Nickel	86	11,000	**188**	**351**	--	--	--	--	--	--	--	--	--
Selenium	1,700	5,800	< 0.735	< 0.773 J	--	--	--	--	--	--	--	--	--
Silver	1,800	5,800	< 0.245	< 0.258	--	--	--	--	--	--	--	--	--
Thallium	3.5	12	**1.18**	< 0.773	--	--	--	--	--	--	--	--	--
Vanadium	470	5,800	**41.6**	**38.2**	--	--	--	--	--	--	--	--	--
Zinc	110,000	350,000	**75.1**	**94.1**	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls (mg/kg)													
Aroclor-1016 (PCB-1016)	5.6	1.0	< 0.050	--	--	--	--	--	--	--	--	--	--
Aroclor-1221 (PCB-1221)	5.6	1.0	< 0.050	--	--	--	--	--	--	--	--	--	--
Aroclor-1232 (PCB-1232)	5.6	1.0	< 0.050	--	--	--	--	--	--	--	--	--	--
Aroclor-1242 (PCB-1242)	5.6	1.0	< 0.050	--	--	--	--	--	--	--	--	--	--
Aroclor-1248 (PCB-1248)	5.6	1.0	< 0.050	--	--	--	--	--	--	--	--	--	--
Aroclor-1254 (PCB-1254)	5.6	1.0	< 0.050	--	--	--	--	--	--	--	--	--	--
Aroclor-1260 (PCB-1260)	5.6	1.0	**0.14 J**	--	--	--	--	--	--	--	--	--	--
Aroclor-1262 (PCB-1262)	5.6	1.0	< 0.050	--	--	--	--	--	--	--	--	--	--
Aroclor-1268 (PCB-1268)	5.6	1.0	< 0.050	--	--	--	--	--	--	--	--	--	--
Semi-Volatile Organic Compounds (mg/kg)													
1-Methylnaphthalene	--	--	**0.11**	< 0.10	--	< 0.099	< 0.0099	**0.61**	< 0.0099	**0.012**	< 0.0099	**840**	**19**
2,4,6-Trichlorophenol	350	47	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	1,100	3,500	--	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	7,100	23,000	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	710	2,300	--	--	--	--	--	--	--	--	--	--	--
2,6-Dichlorophenol	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	1,800	5,800	--	--	--	--	--	--	--	--	--	--	--
2-Methylnaphthalene	670	3,000	**0.11**	< 0.10	--	< 0.099	< 0.0099	**0.37**	< 0.0099	**0.012**	< 0.0099	**1,500**	**21**
2-Methylphenol (o-Cresol)	--	41,000[4]	--	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	--	--	--	--	--	--	--	--	--	--	--	--	--
3&4-Methylphenol	--	--	--	--	--	--	--	--	--	--	--	--	--
3/4-Methylphenols (p/m-Cresol) A	--	41,000[4]	--	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	--	66[4]	--	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	--	--	--	--	--	--	--	--	--	--	--	--	--
Acenaphthene	10,000	45,000	< 0.098	< 0.10	--	**0.3**	< 0.0099	**0.39**	< 0.0099	**0.044**	< 0.0099	**520**	**97**
Acenaphthylene	--	45,000[4]	**1.4**	**0.76**	--	**0.92**	< 0.0099	**3.4**	**0.014**	**0.28**	**0.042**	**590**	**4.8**
Anthracene	50,000	230,000	**0.93**	**0.56**	--	**0.93**	< 0.0099	**2.8**	**0.011**	**0.059**	**0.041**	**860**	**25**
Benzo(a)anthracene	16	2.9	**3.3**	**2.6**	--	**2.7**	< 0.0099	**8**	**0.039**	**1.5**	**0.22**	**1,200**	**25**
Benzo(a)pyrene	1.6	0.29	**6.1**	**4**	--	**4.2**	< 0.0099	**13**	**0.084 J**	**2.8**	**0.17**	**1,900**	**39**
Benzo(A)Pyrene Equivalent (1/2 RL substituted for ND)	0.9[5]	0.9[5]	**7.97**	**5.75**	--	**5.44**	**0.01**	**16.61**	**0.12**	**3.58**	**0.24**	**2,489.90**	**51.55**
Benzo(b)fluoranthene	16	2.9	**3.8**	**3.3**	--	**3.1**	< 0.0099	**9.7**	**0.070 J**	**1.8**	**0.11**	**1,300**	**26**
Benzo(g,h,i)perylene	10,000[6]	45,000[6]	**6.2**	**4.4**	--	**2.8**	< 0.0099	**8**	**0.083 J**	**2.3**	**0.085**	**1,700**	**32**
Benzo(k)fluoranthene	150	29	**3.5**	**2.6**	--	**2.6**	< 0.0099	**8.3**	**0.045**	**1.4**	**0.13**	**840**	**22**
Chrysene	1,500	260	**4.2**	**3.1**	--	**3.5**	< 0.0099	**9.9**	**0.041**	**0.68**	**0.19**	**1,500**	**32**
Dibenz(a,h)anthracene	1.6	0.29	**0.72**	**0.79**	--	**0.42**	< 0.0099	**1.1**	**0.014**	**0.26**	**0.029**	**210**	**4.7**
Fluoranthene	6,700	30,000	**12**	**9.2**	--	**11**	< 0.0099	**26**	**0.13 J**	**9.6**	**0.4**	**4,800**	**100**
Fluorene	6,700	30,000	**0.27**	**0.17**	--	**0.12**	< 0.0099	**1.8**	< 0.0099	< 0.0099	**0.011**	**930**	**20**
Indeno(1,2,3-cd)pyrene	16	2.9	**4**	**3.4**	--	**2.1**	< 0.0099	**6.5**	**0.062 J**	**1.8**	**0.085**	**1,200**	**25**
Naphthalene	350	14	**1.1**	**0.84**	--	**0.28**	< 0.0099	**8.1**	**0.034**	**0.13**	**0.022**	**37,000**	**570**
Pentachlorophenol	20	4	--	--	--	--	--	--	--	--	--	--	--
Phenanthrene	6,700[6]	30,000[6]	**7.5**	**3.8**	--	**1.7**	< 0.0099	**11**	**0.04**	**0.069**	**0.032**	**7,000**	**150**
Phenol	98,000	350,000	--	--	--	--	--	--	--	--	--	--	--
Pyrene	5,000	23,000	**16**	**13**	--	**15**	**0.011**	**30**	**0.17 J**	**13**	**1.2**	**4,900**	**110**

TABLE 1
SUMMARY OF SOIL ANALYTICAL RESULTS
POTRERO POWER PLANT TANK FARM
SAN FRANCISCO, CALIFORNIA

		Location ID	GB-156	GB-156A	GB-156B	GB-157	GB-158	GB-158	GB-158	GB-159	GB-159	GB-161	GB-161
		Sample ID	GB-156-2.0	GB-156A-5.0	GB-156B-5.5	GB-157-10.0	GB-158-10.0	GB-158-15.0	GB-158-20.0	GB-159-8.5	GB-159-10.0	GB-161-9.25	GB-161-15.0
		Sample Date	11/16/2017	01/02/2018	02/22/2018	01/08/2018	01/05/2018	01/05/2018	01/05/2018	01/04/2018	01/04/2018	01/05/2018	01/05/2018
		Sample Depth (feet bgs)	2.0	5.0	5.5	10.0	10.0	15.0	20.0	8.5	10.0	9.25	15.0
		Sample Type	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary
Analyte	**Construction Worker Screening Level[1]**	**Commercial/Industrial Screening Level[2]**											
Total Petroleum Hydrocarbons (mg/kg)													
Diesel Range Organics	880	1,100	**160**	**110**	--	**310**	< 5.0	**3,100**	< 5.0	**1,600**	**37**	**60,000**	**630**
Gasoline Range Organics	2,800	3,900	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons (C9-C40)	880	1,100	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons-Motor Oil	32,000	140,000	**340**	**260**	--	**430**	< 25	**4,100**	< 25	**2,100**	**56**	**47,000**	**560**
Volatile Organic Compounds (mg/kg)													
1,1,1,2-Tetrachloroethane	340	18	< 0.00083	< 0.00083	< 0.00091	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	8,800	8,900	< 0.00083	< 0.00083	< 0.00091	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	44	2.3	< 0.0017	< 0.0017	< 0.0018	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	5.2	4.2	< 0.00083	< 0.00083	< 0.00091	--	--	--	--	--	--	--	--
1,1-Dichloroethane	390	17	< 0.00083	< 0.00083	< 0.00091	--	--	--	--	--	--	--	--
1,1-Dichloroethene	390	400	< 0.00083	< 0.00083	< 0.00091	--	--	--	--	--	--	--	--
1,1-Dichloropropane	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	--	--	< 0.0017	< 0.0017	< 0.0018	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	--	310[7]	< 0.0017	< 0.0017	< 0.0018	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	--	0.021[7]	< 0.0017	< 0.0017	< 0.0018	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	310	110	< 0.0017	< 0.0017	< 0.0018	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	--	1,800[4]	< 0.0017	< 0.0017	< 0.0018	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane (DBCP)	1.3	0.072	< 0.0041	< 0.0041	< 0.0046	--	--	--	--	--	--	--	--
1,2-Dibromoethane (Ethylene Dibromide)	3.2	0.16	< 0.00083	< 0.00083	< 0.00091	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	8,500	11,000	< 0.00083	< 0.00083	< 0.00091	--	--	--	--	--	--	--	--
1,2-Dichloroethane	37	1.6	< 0.00083	< 0.00083	< 0.00091	--	--	--	--	--	--	--	--
1,2-Dichloropropane	58	3.9	< 0.00083	< 0.00083	< 0.00091	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	--	1,500[4]	< 0.0017	< 0.0017	< 0.0018	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	--	--	< 0.00083	< 0.00083	< 0.00091	--	--	--	--	--	--	--	--
1,3-Dichloropropane	--	2,200[7]	< 0.00083	< 0.00083	< 0.00091	--	--	--	--	--	--	--	--
1,3-Dichloropropene	29	1.2	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	310	13	< 0.00083	< 0.00083	< 0.00091	--	--	--	--	--	--	--	--
1-Methylethyl-benzene A	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	--	--	< 0.0041	< 0.0041	< 0.0046	--	--	--	--	--	--	--	--
2-Butanone (Methyl Ethyl Ketone)	--	190,000[4]	< 0.017	< 0.017	< 0.018	--	--	--	--	--	--	--	--
2-Chlorotoluene	--	2,600[7]	< 0.00083	< 0.00083	< 0.00091	--	--	--	--	--	--	--	--
2-Hexanone	--	1,300[4]	< 0.017	< 0.017	< 0.018	--	--	--	--	--	--	--	--
2-Phenylbutane (sec-Butylbenzene)	--	12,000[7]	< 0.00083	< 0.00083	< 0.00091	--	--	--	--	--	--	--	--
4-Chlorotoluene	--	2,300[7]	< 0.00083	< 0.00083	< 0.00091	--	--	--	--	--	--	--	--
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	--	140,000[4]	< 0.017	< 0.017	< 0.018	--	--	--	--	--	--	--	--
Acetone	260,000	630,000	**0.049**	< 0.041	< 0.046	--	--	--	--	--	--	--	--
Benzene	24	1	**0.0032**	**0.0038**	< 0.00091	**0.0016**	< 0.00076	**0.018**	--	**0.0083**	--	**130**	**17**
Bromobenzene	--	1,800[4]	< 0.00083	< 0.00083	< 0.00091	--	--	--	--	--	--	--	--
Bromodichloromethane	47	2.3	< 0.00083	< 0.00083	< 0.00091	--	--	--	--	--	--	--	--
Bromoform	2,200	300	< 0.0041	< 0.0041	< 0.0046	--	--	--	--	--	--	--	--
Bromomethane (Methyl Bromide)	34	36	< 0.017	< 0.017	< 0.018	--	--	--	--	--	--	--	--
Carbon disulfide	--	3,500[4]	< 0.0083	**0.0097**	< 0.0091	--	--	--	--	--	--	--	--
Carbon tetrachloride	13	0.54	< 0.00083	< 0.00083	< 0.00091	--	--	--	--	--	--	--	--
Chlorobenzene	1,100	1,200	< 0.00083	< 0.00083	< 0.00091	--	--	--	--	--	--	--	--
Chlorobromomethane	--	630[4]	< 0.0017	< 0.0017	< 0.0018	--	--	--	--	--	--	--	--
Chloroethane	53,000	53,000	< 0.0017	< 0.0017	< 0.0018	--	--	--	--	--	--	--	--
Chloroform (Trichloromethane)	32	1.3	< 0.00083	< 0.00083	< 0.00091	--	--	--	--	--	--	--	--
Chloromethane (Methyl Chloride)	430	430	< 0.017	< 0.017	< 0.018	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	82	90	< 0.00083	< 0.00083	< 0.00091	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	--	8.2[4]	< 0.00083	< 0.00083	< 0.00091	--	--	--	--	--	--	--	--
Cyclohexanone	--	130,000[4]	< 0.041	< 0.041	< 0.046	--	--	--	--	--	--	--	--
Cymene (p-Isopropyltoluene)	--	--	< 0.00083	< 0.00083	< 0.00091	--	--	--	--	--	--	--	--
Dibromochloromethane	290	39	< 0.0017	< 0.0017	< 0.0018	--	--	--	--	--	--	--	--
Dibromomethane	--	99[4]	< 0.00083	< 0.00083	< 0.00091	--	--	--	--	--	--	--	--
Dichlorodifluoromethane (CFC-12)	--	370[4]	< 0.0017	< 0.0017	< 0.0018	--	--	--	--	--	--	--	--
Diisopropyl ether (DIPE)	--	9,400[4]	< 0.00083	< 0.00083	< 0.00091	--	--	--	--	--	--	--	--
Ethanol	--	--	< 0.41	< 0.41	< 0.46	--	--	--	--	--	--	--	--
Ethylbenzene	480	22	< 0.00083	< 0.00083	< 0.00091	< 0.00079	< 0.00076	< 0.0010	--	< 0.00074	--	**190**	**15**
Hexachlorobutadiene	310	42	--	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene (Cumene)	--	9,900[4]	< 0.00083	< 0.00083	< 0.00091	--	--	--	--	--	--	--	--
m,p-Xylenes	2,400	2,400	< 0.0017	< 0.0017	< 0.0018	< 0.0016	< 0.0015	< 0.0020	--	< 0.0015	--	**120**	< 1.5

TABLE 1
SUMMARY OF SOIL ANALYTICAL RESULTS
POTRERO POWER PLANT TANK FARM
SAN FRANCISCO, CALIFORNIA

		Location ID	**GB-156**	**GB-156A**	**GB-156B**	**GB-157**	**GB-158**	**GB-158**	**GB-158**	**GB-159**	**GB-159**	**GB-161**	**GB-161**
		Sample ID	GB-156-2.0	GB-156A-5.0	GB-156B-5.5	GB-157-10.0	GB-158-10.0	GB-158-15.0	GB-158-20.0	GB-159-8.5	GB-159-10.0	GB-161-9.25	GB-161-15.0
		Sample Date	11/16/2017	01/02/2018	02/22/2018	01/08/2018	01/05/2018	01/05/2018	01/05/2018	01/04/2018	01/04/2018	01/05/2018	01/05/2018
		Sample Depth (feet bgs)	2.0	5.0	5.5	10.0	10.0	15.0	20.0	8.5	10.0	9.25	15.0
		Sample Type	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary
Analyte	**Construction Worker Screening Level[1]**	**Commercial/Industrial Screening Level[2]**											
Methyl Tert Butyl Ether	3,700	180	< 0.0017	< 0.0017	< 0.0018	--	--	--	--	--	--	--	--
Methylene chloride	500	25	< 0.0083	< 0.0083	< 0.0091	--	--	--	--	--	--	--	--
Naphthalene	350	14	< 0.0083	< 0.0083	< 0.0091	--	--	--	--	--	--	--	--
n-Butylbenzene	--	6,400[7]	< 0.00083	< 0.00083	< 0.00091	--	--	--	--	--	--	--	--
n-Propylbenzene	--	24,000	< 0.0017	< 0.0017	< 0.0018	--	--	--	--	--	--	--	--
o-Xylene	2,400	2,400	< 0.00083	< 0.00083	< 0.00091 J	< 0.00079	< 0.00076	< 0.0010	--	< 0.00074	--	**47**	< 0.76
Styrene	29,000	40,000	< 0.00083	< 0.00083	< 0.00091	--	--	--	--	--	--	--	--
t-Amyl Alcohol	--	340[4]	< 0.041	< 0.041	< 0.046	--	--	--	--	--	--	--	--
Tert-Amyl Methyl Ether (TAME)	--	--	< 0.00083	< 0.00083	< 0.00091	--	--	--	--	--	--	--	--
Tert-Butyl Alcohol (tert-Butanol)	--	--	< 0.017	< 0.017	< 0.018	--	--	--	--	--	--	--	--
Tert-Butyl Ethyl Ether (ETBE)	--	--	< 0.00083	< 0.00083	< 0.00091	--	--	--	--	--	--	--	--
tert-Butylbenzene	--	12,000[7]	< 0.00083	< 0.00083	< 0.00091	--	--	--	--	--	--	--	--
Tetrachloroethene	33	2.7	< 0.00083	< 0.00083	< 0.00091	--	--	--	--	--	--	--	--
Toluene	4,100	4,600	< 0.00083	< 0.00083	< 0.00091	< 0.00079	< 0.00076	**0.0049**	--	< 0.00074	--	**84**	< 0.76
trans-1,2-Dichloroethene	680	730	< 0.00083	< 0.00083	< 0.00091	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	--	8.2[4]	< 0.0017	< 0.0017	< 0.0018	--	--	--	--	--	--	--	--
Trichloroethene	23	8	< 0.0017	< 0.0017	< 0.0018	--	--	--	--	--	--	--	--
Trichlorofluoromethane (CFC-11)	--	5,400[7]	< 0.0083	< 0.0083	< 0.0091	--	--	--	--	--	--	--	--
Trifluorotrichloroethane (Freon 113)	--	28,000[4]	< 0.0083	< 0.0083	< 0.0091	--	--	--	--	--	--	--	--
Vinyl acetate	--	3,800[4]	< 0.0083	< 0.0083	< 0.0091	--	--	--	--	--	--	--	--
Vinyl chloride	3.4	0.15	< 0.00083	< 0.00083	< 0.00091	--	--	--	--	--	--	--	--
Xylene (total)	2,400	2,400	--	--	--	--	--	--	--	--	--	--	--
Inorganic Compounds													
Asbestos (%)	--	--	< 0.25	**0.25**	--	--	--	--	--	--	--	--	--
Total Cyanide (mg/kg)	--	--	--	--	--	--	--	--	--	--	--	--	--
Total phenols (mg/kg)	--	--	--	--	--	--	--	--	--	--	--	--	--

Notes
Volatile Organic Compounds (VOCs) analyzed by EPA Method 8260B
Semi-Volatile Organic Compounds (SVOCs) analyzed by EPA Method 8270 SIM
Metals analyzed by EPA Methods 6010B/7471A
Polychlorinated Biphenyls analyzed by EPA Method 8082
Total Petroleum Hydrocarbons analyzed by EPA Method 8015B
Total Cyanide analyzed by EPA Method 9014
Asbestos analyzed by CARB 435

Soil Screening Levels:
1. Environmental Screening Levels (ESLs), Table S-1: Direct Exposure soil Screening Levels, Commercial/Industrial Worker Exposure Scenario, Most Stringent (Water Board, February 2016).
2. Environmental Screening Levels (ESLs), Table S-1: Direct Exposure soil Screening Levels, Construction Worker Exposure Scenario, Most Stringent (Water Board, February 2016).
3. Arsenic concentrations are compared to the background threshold value of 12 mg/kg developed for the adjacent Station A Area (AMEC, 2011).
4. USEPA Regional Screening Level (RSL) for industrial soil endorsed by DTSC (USEPA, November 2017).
5. 0.9 mg/kg B(a)P WQ is the 95th perecentile of the northern California ambient data set for surface soil. The range of ambient concentrations in the northern California ambient data set is non-detect to 2.8 mg/kg.
6. Due to the lack of published screening criteria, the screening levels for acenaphthene and fluoranthene were selected to screen the results for benzo(g,h,i)perylene and phenanthrene, respectively, due to the similar chemical structure.
7. DTSC Modified screening level for industrial soil (DTSC, January 2018)

B(a)P EQ were calculated using potency equivalency factors from the DTSC Preliminary Endangerment Assessment Guidance Manual
BOLD = concentration detected above the laboratory reporting limi
Orange highlight = result exceeded the referenced Construction Worker Screening Level
Green highlight = result exceeded the referenced Commercial/Industrial Screening Level

Abbreviations:
< = analyte not detected above the indicated reporting limit.
J = estimated concentration.
R = rejected result
-- = not analyzed or not applicable.
mg/kg = milligrams per kilogram
ft bgs = feet below ground surface

TABLE 1
SUMMARY OF SOIL ANALYTICAL RESULTS
POTRERO POWER PLANT TANK FARM
SAN FRANCISCO, CALIFORNIA

		Location ID	GB-161	GB-161	GB-162	GB-162	GB-162	GB-162	GB-163	GB-163	GB-163	GB-163	GB-164
		Sample ID	GB-161-17.5	GB-161-20.0	GB-162-9.5	GB-162-15.0	GB-162-19.5	GB-162-24.5	GB-163-9.0	GB-163-14.0	GB-163-23.0	GB-163-28.5	GB-164-7.5
		Sample Date	01/05/2018	01/05/2018	01/04/2018	01/04/2018	01/04/2018	01/04/2018	01/03/2018	01/03/2018	01/03/2018	01/03/2018	01/03/2018
		Sample Depth (feet bgs)	17.5	20.0	9.5	15.0	19.5	24.5	9.0	14.0	23.0	28.5	7.5
		Sample Type	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary
Analyte	**Construction Worker Screening Level[1]**	**Commercial/Industrial Screening Level[2]**											
Metals (mg/kg)													
Antimony	140	470	--	--	--	--	--	--	--	--	--	--	--
Arsenic	12[3]	12[3]	--	--	--	--	--	--	--	--	--	--	--
Barium	3,000	220,000	--	--	--	--	--	--	--	--	--	--	--
Beryllium	42	2,200	--	--	--	--	--	--	--	--	--	--	--
Cadmium	43	580	--	--	--	--	--	--	--	--	--	--	--
Chromium	530,000	1,800,000	--	--	--	--	--	--	--	--	--	--	--
Cobalt	28	350	--	--	--	--	--	--	--	--	--	--	--
Copper	14,000	47,000	--	--	--	--	--	--	--	--	--	--	--
Lead	160	320	--	--	**39.1**	--	--	--	**7.85**	--	--	--	**88.5**
Mercury	44	190	--	--	--	--	--	--	--	--	--	--	--
Molybdenum	1,800	5,800	--	--	--	--	--	--	--	--	--	--	--
Nickel	86	11,000	--	--	--	--	--	--	--	--	--	--	--
Selenium	1,700	5,800	--	--	--	--	--	--	--	--	--	--	--
Silver	1,800	5,800	--	--	--	--	--	--	--	--	--	--	--
Thallium	3.5	12	--	--	--	--	--	--	--	--	--	--	--
Vanadium	470	5,800	--	--	--	--	--	--	--	--	--	--	--
Zinc	110,000	350,000	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls (mg/kg)													
Aroclor-1016 (PCB-1016)	5.6	1.0	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1221 (PCB-1221)	5.6	1.0	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1232 (PCB-1232)	5.6	1.0	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1242 (PCB-1242)	5.6	1.0	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1248 (PCB-1248)	5.6	1.0	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1254 (PCB-1254)	5.6	1.0	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1260 (PCB-1260)	5.6	1.0	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1262 (PCB-1262)	5.6	1.0	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1268 (PCB-1268)	5.6	1.0	--	--	--	--	--	--	--	--	--	--	--
Semi-Volatile Organic Compounds (mg/kg)													
1-Methylnaphthalene	--	--	**1.1**	< 0.099	**390**	**12**	**9.4**	**0.028**	**1.7**	**120**	**7.8**	**0.047**	**98**
2,4,6-Trichlorophenol	350	47	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	1,100	3,500	--	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	7,100	23,000	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	710	2,300	--	--	--	--	--	--	--	--	--	--	--
2,6-Dichlorophenol	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	1,800	5,800	--	--	--	--	--	--	--	--	--	--	--
2-Methylnaphthalene	670	3,000	**1.3**	< 0.099	**420**	**10**	**7.8**	**0.024**	**2.6**	**190**	**10**	**0.061**	**170**
2-Methylphenol (o-Cresol)	--	41,000[4]	--	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	--	--	--	--	--	--	--	--	--	--	--	--	--
3&4-Methylphenol	--	--	--	--	--	--	--	--	--	--	--	--	--
3/4-Methylphenols (p/m-Cresol) A	--	41,000[4]	--	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	--	66[4]	--	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	--	--	--	--	--	--	--	--	--	--	--	--	--
Acenaphthene	10,000	45,000	**10**	**3.2**	**1,600**	**47**	**40**	**0.19 J**	**0.37**	**580**	**19**	**0.21**	**38**
Acenaphthylene	--	45,000[4]	**0.78**	**1.1**	**230**	**1.7**	**4.6**	**0.039**	**11**	**88**	**2.9**	**0.058**	**760**
Anthracene	50,000	230,000	**2.3**	**1.9**	**500**	**10**	**14**	**0.098**	**8**	**220**	**8.3**	**0.1**	**360**
Benzo(a)anthracene	16	2.9	**2.6**	**2.1**	**700**	**9**	**17**	**0.15**	**15**	**270**	**9**	**0.15**	**660**
Benzo(a)pyrene	1.6	0.29	**3.7**	**3.2**	**1,200**	**15**	**24**	**0.25**	**28**	**570**	**15**	**0.26**	**980**
Benzo(A)Pyrene Equivalent (1/2 RL substituted for ND)	0.9[5]	0.9[5]	**5.02**	**4.24**	**1,525.97**	**18.92**	**30.86**	**0.33**	**35.97**	**724.18**	**18.94**	**0.34**	**1,393.64**
Benzo(b)fluoranthene	16	2.9	**3**	**2.5**	**720**	**9.1**	**15**	**0.18**	**20**	**390**	**9.6**	**0.17**	**970**
Benzo(g,h,i)perylene	10,000[6]	45,000[6]	**3.1**	**2.6**	**880**	**12**	**17**	**0.24**	**28**	**580**	**12**	**0.25**	**970**
Benzo(k)fluoranthene	150	29	**2**	**1.7**	**610**	**8.2**	**14**	**0.14**	**15**	**280**	**4.9**	**0.13**	**680**
Chrysene	1,500	260	**3.2**	**2.6**	**870**	**12**	**21**	**0.2**	**20**	**380**	**12**	**0.2**	**840**
Dibenz(a,h)anthracene	1.6	0.29	**0.49**	**0.35**	**110**	**1.1**	**2.1**	**0.03**	**2.3**	**44**	**1.1**	**0.028**	**150**
Fluoranthene	6,700	30,000	**12**	**8.5**	**3,100**	**47**	**87**	**0.69**	**79**	**1,600**	**39**	**0.58**	**2,500**
Fluorene	6,700	30,000	**1.7**	**0.49**	**470**	**7.9**	**11**	**0.065**	**4.2**	**180**	**8.5**	**0.097**	**180**
Indeno(1,2,3-cd)pyrene	16	2.9	**2.5**	**2.1**	**670**	**9.2**	**14**	**0.18**	**20**	**410**	**9.2**	**0.18**	**930**
Naphthalene	350	14	**35**	**0.19**	**56,000**	**270**	**250**	**0.30 J**	**18**	**6,000**	**140**	**0.74**	**3,600**
Pentachlorophenol	20	4	--	--	--	--	--	--	--	--	--	--	--
Phenanthrene	6,700[6]	30,000[6]	**17**	**9.6**	**4,300**	**91**	**130**	**0.74**	**90**	**2,100**	**63**	**0.75**	**2,800**
Phenol	98,000	350,000	--	--	--	--	--	--	--	--	--	--	--
Pyrene	5,000	23,000	**15**	**11**	**3,300**	**65**	**91**	**0.72**	**88**	**1,700**	**41**	**0.62**	**3,000**

TABLE 1
SUMMARY OF SOIL ANALYTICAL RESULTS
POTRERO POWER PLANT TANK FARM
SAN FRANCISCO, CALIFORNIA

		Location ID	GB-161	GB-161	GB-162	GB-162	GB-162	GB-162	GB-163	GB-163	GB-163	GB-163	GB-164
		Sample ID	GB-161-17.5	GB-161-20.0	GB-162-9.5	GB-162-15.0	GB-162-19.5	GB-162-24.5	GB-163-9.0	GB-163-14.0	GB-163-23.0	GB-163-28.5	GB-164-7.5
		Sample Date	01/05/2018	01/05/2018	01/04/2018	01/04/2018	01/04/2018	01/04/2018	01/03/2018	01/03/2018	01/03/2018	01/03/2018	01/03/2018
		Sample Depth (feet bgs)	17.5	20.0	9.5	15.0	19.5	24.5	9.0	14.0	23.0	28.5	7.5
		Sample Type	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary
Analyte	**Construction Worker Screening Level[1]**	**Commercial/Industrial Screening Level[2]**											
Total Petroleum Hydrocarbons (mg/kg)													
Diesel Range Organics	880	1,100	--	--	**130,000**	**5,300**	**2,300**	**6.7**	**670**	**34,000**	**940**	< 4.9	**87,000**
Gasoline Range Organics	2,800	3,900	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons (C9-C40)	880	1,100	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons-Motor Oil	32,000	140,000	--	--	**54,000**	**6,100**	**2,800**	< 25	**1,100**	**38,000**	**1,000**	< 25	**77,000**
Volatile Organic Compounds (mg/kg)													
1,1,1,2-Tetrachloroethane	340	18	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	8,800	8,900	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	44	2.3	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	5.2	4.2	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethane	390	17	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	390	400	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropane	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	--	310[7]	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	--	0.021[7]	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	310	110	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	--	1,800[4]	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane (DBCP)	1.3	0.072	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane (Ethylene Dibromide)	3.2	0.16	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	8,500	11,000	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	37	1.6	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	58	3.9	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	--	1,500[4]	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichloropropane	--	2,200[7]	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichloropropene	29	1.2	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	310	13	--	--	--	--	--	--	--	--	--	--	--
1-Methylethyl-benzene A	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Butanone (Methyl Ethyl Ketone)	--	190,000[4]	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	--	2,600[7]	--	--	--	--	--	--	--	--	--	--	--
2-Hexanone	--	1,300[4]	--	--	--	--	--	--	--	--	--	--	--
2-Phenylbutane (sec-Butylbenzene)	--	12,000[7]	--	--	--	--	--	--	--	--	--	--	--
4-Chlorotoluene	--	2,300[7]	--	--	--	--	--	--	--	--	--	--	--
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	--	140,000[4]	--	--	--	--	--	--	--	--	--	--	--
Acetone	260,000	630,000	--	--	--	--	--	--	--	--	--	--	--
Benzene	24	1	< 0.047	< 0.00083	**140**	< 0.81	< 0.17	--	**0.013**	**50**	**6.6**	< 0.043	**28**
Bromobenzene	--	1,800[4]	--	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	47	2.3	--	--	--	--	--	--	--	--	--	--	--
Bromoform	2,200	300	--	--	--	--	--	--	--	--	--	--	--
Bromomethane (Methyl Bromide)	34	36	--	--	--	--	--	--	--	--	--	--	--
Carbon disulfide	--	3,500[4]	--	--	--	--	--	--	--	--	--	--	--
Carbon tetrachloride	13	0.54	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	1,100	1,200	--	--	--	--	--	--	--	--	--	--	--
Chlorobromomethane	--	630[4]	--	--	--	--	--	--	--	--	--	--	--
Chloroethane	53,000	53,000	--	--	--	--	--	--	--	--	--	--	--
Chloroform (Trichloromethane)	32	1.3	--	--	--	--	--	--	--	--	--	--	--
Chloromethane (Methyl Chloride)	430	430	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	82	90	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	--	8.2[4]	--	--	--	--	--	--	--	--	--	--	--
Cyclohexanone	--	130,000[4]	--	--	--	--	--	--	--	--	--	--	--
Cymene (p-Isopropyltoluene)	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	290	39	--	--	--	--	--	--	--	--	--	--	--
Dibromomethane	--	99[4]	--	--	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane (CFC-12)	--	370[4]	--	--	--	--	--	--	--	--	--	--	--
Diisopropyl ether (DIPE)	--	9,400[4]	--	--	--	--	--	--	--	--	--	--	--
Ethanol	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethylbenzene	480	22	**0.5**	< 0.00083	**59**	< 0.81	**0.61**	--	**0.0032**	**36**	**6.3**	< 0.043	**6.4**
Hexachlorobutadiene	310	42	--	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene (Cumene)	--	9,900[4]	--	--	--	--	--	--	--	--	--	--	--
m,p-Xylenes	2,400	2,400	< 0.094	< 0.0017	**43**	< 1.6	< 0.34	--	**0.0099**	< 8.8	**2.3**	< 0.087	**3.5**

TABLE 1
SUMMARY OF SOIL ANALYTICAL RESULTS
POTRERO POWER PLANT TANK FARM
SAN FRANCISCO, CALIFORNIA

		Location ID	**GB-161**	**GB-161**	**GB-162**	**GB-162**	**GB-162**	**GB-162**	**GB-163**	**GB-163**	**GB-163**	**GB-163**	**GB-164**
		Sample ID	GB-161-17.5	GB-161-20.0	GB-162-9.5	GB-162-15.0	GB-162-19.5	GB-162-24.5	GB-163-9.0	GB-163-14.0	GB-163-23.0	GB-163-28.5	GB-164-7.5
		Sample Date	01/05/2018	01/05/2018	01/04/2018	01/04/2018	01/04/2018	01/04/2018	01/03/2018	01/03/2018	01/03/2018	01/03/2018	01/03/2018
		Sample Depth (feet bgs)	17.5	20.0	9.5	15.0	19.5	24.5	9.0	14.0	23.0	28.5	7.5
		Sample Type	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary
Analyte	**Construction Worker Screening Level[1]**	**Commercial/Industrial Screening Level[2]**											
Methyl Tert Butyl Ether	3,700	180	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	500	25	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	350	14	--	--	--	--	--	--	--	--	--	--	--
n-Butylbenzene	--	6,400[7]	--	--	--	--	--	--	--	--	--	--	--
n-Propylbenzene	--	24,000	--	--	--	--	--	--	--	--	--	--	--
o-Xylene	2,400	2,400	**0.058**	< 0.00083	**19**	< 0.81	< 0.17	--	**0.0035**	< 4.4	**1.8**	< 0.043	**1.6**
Styrene	29,000	40,000	--	--	--	--	--	--	--	--	--	--	--
t-Amyl Alcohol	--	340[4]	--	--	--	--	--	--	--	--	--	--	--
Tert-Amyl Methyl Ether (TAME)	--	--	--	--	--	--	--	--	--	--	--	--	--
Tert-Butyl Alcohol (tert-Butanol)	--	--	--	--	--	--	--	--	--	--	--	--	--
Tert-Butyl Ethyl Ether (ETBE)	--	--	--	--	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	--	12,000[7]	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	33	2.7	--	--	--	--	--	--	--	--	--	--	--
Toluene	4,100	4,600	< 0.047	< 0.00083	**41**	< 0.81	< 0.17	--	**0.0025**	< 4.4	< 0.39	< 0.043	**11**
trans-1,2-Dichloroethene	680	730	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	--	8.2[4]	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	23	8	--	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane (CFC-11)	--	5,400[7]	--	--	--	--	--	--	--	--	--	--	--
Trifluorotrichloroethane (Freon 113)	--	28,000[4]	--	--	--	--	--	--	--	--	--	--	--
Vinyl acetate	--	3,800[4]	--	--	--	--	--	--	--	--	--	--	--
Vinyl chloride	3.4	0.15	--	--	--	--	--	--	--	--	--	--	--
Xylene (total)	2,400	2,400	--	--	--	--	--	--	--	--	--	--	--
Inorganic Compounds													
Asbestos (%)	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Cyanide (mg/kg)	--	--	--	--	--	--	--	--	--	--	--	--	--
Total phenols (mg/kg)	--	--	--	--	--	--	--	--	--	--	--	--	--

Notes
Volatile Organic Compounds (VOCs) analyzed by EPA Method 8260B
Semi-Volatile Organic Compounds (SVOCs) analyzed by EPA Method 8270 SIM
Metals analyzed by EPA Methods 6010B/7471A
Polychlorinated Biphenyls analyzed by EPA Method 8082
Total Petroleum Hydrocarbons analyzed by EPA Method 8015B
Total Cyanide analyzed by EPA Method 9014
Asbestos analyzed by CARB 435

Soil Screening Levels:
1. Environmental Screening Levels (ESLs), Table S-1: Direct Exposure soil Screening Levels, Commercial/Industrial Worker Exposure Scenario, Most Stringent (Water Board, February 2016).
2. Environmental Screening Levels (ESLs), Table S-1: Direct Exposure soil Screening Levels, Construction Worker Exposure Scenario, Most Stringent (Water Board, February 2016).
3. Arsenic concentrations are compared to the background threshold value of 12 mg/kg developed for the adjacent Station A Area (AMEC, 2011).
4. USEPA Regional Screening Level (RSL) for industrial soil endorsed by DTSC (USEPA, November 2017).
5. 0.9 mg/kg B(a)P WQ is the 95th perecentile of the northern California ambient data set for surface soil. The range of ambient concentrations in the northern California ambient data set is non-detect to 2.8 mg/kg.
6. Due to the lack of published screening criteria, the screening levels for acenaphthene and fluoranthene were selected to screen the results for benzo(g,h,i)perylene and phenanthrene, respectively, due to the similar chemical structure.
7. DTSC Modified screening level for industrial soil (DTSC, January 2018)

B(a)P EQ were calculated using potency equivalency factors from the DTSC Preliminary Endangerment Assessment Guidance Manual
BOLD = concentration detected above the laboratory reporting limi
Orange highlight = result exceeded the referenced Construction Worker Screening Level
Green highlight = result exceeded the referenced Commercial/Industrial Screening Level

Abbreviations:
< = analyte not detected above the indicated reporting limit.
J = estimated concentration.
R = rejected result
-- = not analyzed or not applicable.
mg/kg = milligrams per kilogram
ft bgs = feet below ground surface

TABLE 1
SUMMARY OF SOIL ANALYTICAL RESULTS
POTRERO POWER PLANT TANK FARM
SAN FRANCISCO, CALIFORNIA

		Location ID	GB-166	GB-166	GB-166	GB-166	GB-166	GB-167	GB-167	GB-167	GB-167	GB-167
		Sample ID	GB-166-2.0	GB-166-5.5	GB-166-8.75	GB-166-14.5	GB-166-20.5	GB-167-2.0	GB-167-5.5	GB-167-9.0	GB-167-14.75	GB-167-17.0
		Sample Date	01/02/2018	01/02/2018	01/03/2018	01/03/2018	01/03/2018	01/02/2018	01/12/2018	01/12/2018	01/12/2018	01/12/2018
		Sample Depth (feet bgs)	2.0	5.5	8.75	14.5	20.5	2.0	5.5	9.0	14.75	17.0
		Sample Type	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary
Analyte	**Construction Worker Screening Level[1]**	**Commercial/Industrial Screening Level[2]**										
Metals (mg/kg)												
Antimony	140	470	--	--	--	--	--	--	--	--	--	--
Arsenic	12[3]	12[3]	--	--	--	--	--	--	--	--	--	--
Barium	3,000	220,000	--	--	--	--	--	--	--	--	--	--
Beryllium	42	2,200	--	--	--	--	--	--	--	--	--	--
Cadmium	43	580	--	--	--	--	--	--	--	--	--	--
Chromium	530,000	1,800,000	--	--	--	--	--	--	--	--	--	--
Cobalt	28	350	--	--	--	--	--	--	--	--	--	--
Copper	14,000	47,000	--	--	--	--	--	--	--	--	--	--
Lead	160	320	--	--	--	--	--	--	--	--	--	--
Mercury	44	190	--	--	--	--	--	--	--	--	--	--
Molybdenum	1,800	5,800	--	--	--	--	--	--	--	--	--	--
Nickel	86	11,000	--	--	--	--	--	--	--	--	--	--
Selenium	1,700	5,800	--	--	--	--	--	--	--	--	--	--
Silver	1,800	5,800	--	--	--	--	--	--	--	--	--	--
Thallium	3.5	12	--	--	--	--	--	--	--	--	--	--
Vanadium	470	5,800	--	--	--	--	--	--	--	--	--	--
Zinc	110,000	350,000	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls (mg/kg)												
Aroclor-1016 (PCB-1016)	5.6	1.0	--	--	--	--	--	--	--	--	--	--
Aroclor-1221 (PCB-1221)	5.6	1.0	--	--	--	--	--	--	--	--	--	--
Aroclor-1232 (PCB-1232)	5.6	1.0	--	--	--	--	--	--	--	--	--	--
Aroclor-1242 (PCB-1242)	5.6	1.0	--	--	--	--	--	--	--	--	--	--
Aroclor-1248 (PCB-1248)	5.6	1.0	--	--	--	--	--	--	--	--	--	--
Aroclor-1254 (PCB-1254)	5.6	1.0	--	--	--	--	--	--	--	--	--	--
Aroclor-1260 (PCB-1260)	5.6	1.0	--	--	--	--	--	--	--	--	--	--
Aroclor-1262 (PCB-1262)	5.6	1.0	--	--	--	--	--	--	--	--	--	--
Aroclor-1268 (PCB-1268)	5.6	1.0	--	--	--	--	--	--	--	--	--	--
Semi-Volatile Organic Compounds (mg/kg)												
1-Methylnaphthalene	--	--	< 0.0099	**0.014**	< 0.10	**0.58**	< 0.0099	**0.024**	**0.033**	**140**	**2.2**	**140**
2,4,6-Trichlorophenol	350	47	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	1,100	3,500	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	7,100	23,000	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	710	2,300	--	--	--	--	--	--	--	--	--	--
2,6-Dichlorophenol	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	1,800	5,800	--	--	--	--	--	--	--	--	--	--
2-Methylnaphthalene	670	3,000	< 0.0099	**0.017**	< 0.10	**0.8**	**0.018**	**0.022**	**0.041**	**15**	**0.37**	**180**
2-Methylphenol (o-Cresol)	--	41,000[4]	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	--	--	--	--	--	--	--	--	--	--	--	--
3&4-Methylphenol	--	--	--	--	--	--	--	--	--	--	--	--
3/4-Methylphenols (p/m-Cresol) A	--	41,000[4]	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	--	66[4]	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	--	--	--	--	--	--	--	--	--	--	--	--
Acenaphthene	10,000	45,000	< 0.0099	**0.014**	**3.4**	**1.3**	**0.02**	**0.019**	**0.049**	**75**	**19**	**79**
Acenaphthylene	--	45,000[4]	**0.016**	**0.074**	**0.93**	**2.3**	**0.013**	**0.054**	**0.2**	**50**	**4.4**	**69**
Anthracene	50,000	230,000	< 0.0099	**0.042**	**1.5**	**8.2**	**0.02**	**0.039**	**0.28**	**67**	**7.3**	**160**
Benzo(a)anthracene	16	2.9	**0.024**	**0.2**	**2.3**	**16**	**0.04**	**0.13**	**0.66**	**84**	**19**	**140**
Benzo(a)pyrene	1.6	0.29	**0.041**	**0.32**	**3.4**	**30**	**0.063**	**0.14**	**0.96**	**160**	**15**	**94**
Benzo(A)Pyrene Equivalent (1/2 RL substituted for ND)	0.9[5]	0.9[5]	**0.06**	**0.48**	**4.89**	**41.65**	**0.09**	**0.21**	**1.34**	**203.18**	**19.97**	**130.6**
Benzo(b)fluoranthene	16	2.9	**0.038**	**0.29**	**2.6**	**20**	**0.05**	**0.12**	**0.66**	**87**	**10**	**60**
Benzo(g,h,i)perylene	10,000[6]	45,000[6]	**0.053**	**0.31**	**4.3**	**1.9**	**0.065**	**0.094**	**0.71**	**120**	**4.2**	**35**
Benzo(k)fluoranthene	150	29	**0.028**	**0.2**	**1.9**	**17**	**0.034**	**0.1**	**0.64**	**65**	**12**	**76**
Chrysene	1,500	260	**0.036**	**0.22**	**2.9**	**17**	**0.049**	**0.16**	**0.83**	**130**	**19**	**140**
Dibenz(a,h)anthracene	1.6	0.29	< 0.0099	**0.079**	**0.68**	**7.8**	**0.014**	**0.035**	**0.19**	**17**	**1.5**	**12**
Fluoranthene	6,700	30,000	**0.077**	**0.25**	**8.2**	**29**	**0.13**	**0.16**	**1.6**	**420**	**50**	**350**
Fluorene	6,700	30,000	< 0.0099	**0.018**	**0.66**	**0.54**	< 0.0099	**0.024**	**0.071**	**62**	**2.6**	**200**
Indeno(1,2,3-cd)pyrene	16	2.9	**0.04**	**0.25**	**3**	**0.61**	**0.047**	**0.081**	**0.53**	**83**	**4.3**	**37**
Naphthalene	350	14	**0.07**	**0.15**	**0.81**	**6.5**	**0.013**	**0.029**	**0.25**	**620**	**3.7**	**950**
Pentachlorophenol	20	4	--	--	--	--	--	--	--	--	--	--
Phenanthrene	6,700[6]	30,000[6]	**0.071**	**0.14**	**3.3**	**19**	**0.11**	**0.094**	**0.95**	**570**	**24**	**600**
Phenol	98,000	350,000	--	--	--	--	--	--	--	--	--	--
Pyrene	5,000	23,000	**0.089**	**0.48**	**14**	**0.62**	**0.17**	**0.24**	**2.2**	**440**	**44**	**310**

TABLE 1
SUMMARY OF SOIL ANALYTICAL RESULTS
POTRERO POWER PLANT TANK FARM
SAN FRANCISCO, CALIFORNIA

		Location ID	GB-166	GB-166	GB-166	GB-166	GB-166	GB-167	GB-167	GB-167	GB-167	GB-167
		Sample ID	GB-166-2.0	GB-166-5.5	GB-166-8.75	GB-166-14.5	GB-166-20.5	GB-167-2.0	GB-167-5.5	GB-167-9.0	GB-167-14.75	GB-167-17.0
		Sample Date	01/02/2018	01/02/2018	01/03/2018	01/03/2018	01/03/2018	01/02/2018	01/12/2018	01/12/2018	01/12/2018	01/12/2018
		Sample Depth (feet bgs)	2.0	5.5	8.75	14.5	20.5	2.0	5.5	9.0	14.75	17.0
		Sample Type	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary
Analyte	**Construction Worker Screening Level[1]**	**Commercial/Industrial Screening Level[2]**										
Total Petroleum Hydrocarbons (mg/kg)												
Diesel Range Organics	880	1,100	--	**43**	**4,900**	**6,200**	**23**	--	**310**	**15,000**	**2,600**	**7,500**
Gasoline Range Organics	2,800	3,900	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons (C9-C40)	880	1,100	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons-Motor Oil	32,000	140,000	--	**100**	**4,000**	**5,600**	< 25	--	**450**	**13,000**	**2,800**	**7,000**
Volatile Organic Compounds (mg/kg)												
1,1,1,2-Tetrachloroethane	340	18	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	8,800	8,900	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	44	2.3	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	5.2	4.2	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethane	390	17	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	390	400	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropane	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	--	310[7]	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	--	0.021[7]	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	310	110	--	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	--	1,800[4]	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane (DBCP)	1.3	0.072	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane (Ethylene Dibromide)	3.2	0.16	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	8,500	11,000	--	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	37	1.6	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	58	3.9	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	--	1,500[4]	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichloropropane	--	2,200[7]	--	--	--	--	--	--	--	--	--	--
1,3-Dichloropropene	29	1.2	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	310	13	--	--	--	--	--	--	--	--	--	--
1-Methylethyl-benzene A	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	--	--	--	--	--	--	--	--	--	--	--	--
2-Butanone (Methyl Ethyl Ketone)	--	190,000[4]	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	--	2,600[7]	--	--	--	--	--	--	--	--	--	--
2-Hexanone	--	1,300[4]	--	--	--	--	--	--	--	--	--	--
2-Phenylbutane (sec-Butylbenzene)	--	12,000[7]	--	--	--	--	--	--	--	--	--	--
4-Chlorotoluene	--	2,300[7]	--	--	--	--	--	--	--	--	--	--
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	--	140,000[4]	--	--	--	--	--	--	--	--	--	--
Acetone	260,000	630,000	--	--	--	--	--	--	--	--	--	--
Benzene	24	1	--	< 0.00081	< 0.43	< 0.39	**0.0023**	--	< 0.00078	< 0.97	< 0.036	**8.1**
Bromobenzene	--	1,800[4]	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	47	2.3	--	--	--	--	--	--	--	--	--	--
Bromoform	2,200	300	--	--	--	--	--	--	--	--	--	--
Bromomethane (Methyl Bromide)	34	36	--	--	--	--	--	--	--	--	--	--
Carbon disulfide	--	3,500[4]	--	--	--	--	--	--	--	--	--	--
Carbon tetrachloride	13	0.54	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	1,100	1,200	--	--	--	--	--	--	--	--	--	--
Chlorobromomethane	--	630[4]	--	--	--	--	--	--	--	--	--	--
Chloroethane	53,000	53,000	--	--	--	--	--	--	--	--	--	--
Chloroform (Trichloromethane)	32	1.3	--	--	--	--	--	--	--	--	--	--
Chloromethane (Methyl Chloride)	430	430	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	82	90	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	--	8.2[4]	--	--	--	--	--	--	--	--	--	--
Cyclohexanone	--	130,000[4]	--	--	--	--	--	--	--	--	--	--
Cymene (p-Isopropyltoluene)	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	290	39	--	--	--	--	--	--	--	--	--	--
Dibromomethane	--	99[4]	--	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane (CFC-12)	--	370[4]	--	--	--	--	--	--	--	--	--	--
Diisopropyl ether (DIPE)	--	9,400[4]	--	--	--	--	--	--	--	--	--	--
Ethanol	--	--	--	--	--	--	--	--	--	--	--	--
Ethylbenzene	480	22	--	< 0.00081	< 0.43	< 0.39	< 0.0010	--	< 0.00078	**1.4**	< 0.036	**9.7**
Hexachlorobutadiene	310	42	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene (Cumene)	--	9,900[4]	--	--	--	--	--	--	--	--	--	--
m,p-Xylenes	2,400	2,400	--	< 0.0016	< 0.87	< 0.79	< 0.0020	--	**0.0024**	**2.2**	**0.18**	**30**

TABLE 1
SUMMARY OF SOIL ANALYTICAL RESULTS
POTRERO POWER PLANT TANK FARM
SAN FRANCISCO, CALIFORNIA

		Location ID	**GB-166**	**GB-166**	**GB-166**	**GB-166**	**GB-166**	**GB-167**	**GB-167**	**GB-167**	**GB-167**	**GB-167**
		Sample ID	GB-166-2.0	GB-166-5.5	GB-166-8.75	GB-166-14.5	GB-166-20.5	GB-167-2.0	GB-167-5.5	GB-167-9.0	GB-167-14.75	GB-167-17.0
		Sample Date	01/02/2018	01/02/2018	01/03/2018	01/03/2018	01/03/2018	01/02/2018	01/12/2018	01/12/2018	01/12/2018	01/12/2018
		Sample Depth (feet bgs)	2.0	5.5	8.75	14.5	20.5	2.0	5.5	9.0	14.75	17.0
		Sample Type	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary
Analyte	**Construction Worker Screening Level[1]**	**Commercial/Industrial Screening Level[2]**										
Methyl Tert Butyl Ether	3,700	180	--	--	--	--	--	--	--	--	--	--
Methylene chloride	500	25	--	--	--	--	--	--	--	--	--	--
Naphthalene	350	14	--	--	--	--	--	--	--	--	--	--
n-Butylbenzene	--	6,400[7]	--	--	--	--	--	--	--	--	--	--
n-Propylbenzene	--	24,000	--	--	--	--	--	--	--	--	--	--
o-Xylene	2,400	2,400	--	< 0.00081	< 0.43	< 0.39	< 0.0010	--	**0.0011**	**1.6**	< 0.036	**30**
Styrene	29,000	40,000	--	--	--	--	--	--	--	--	--	--
t-Amyl Alcohol	--	340[4]	--	--	--	--	--	--	--	--	--	--
Tert-Amyl Methyl Ether (TAME)	--	--	--	--	--	--	--	--	--	--	--	--
Tert-Butyl Alcohol (tert-Butanol)	--	--	--	--	--	--	--	--	--	--	--	--
Tert-Butyl Ethyl Ether (ETBE)	--	--	--	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	--	12,000[7]	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	33	2.7	--	--	--	--	--	--	--	--	--	--
Toluene	4,100	4,600	--	< 0.00081	< 0.43	< 0.39	< 0.0010	--	< 0.00078	< 0.97	< 0.036	**10**
trans-1,2-Dichloroethene	680	730	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	--	8.2[4]	--	--	--	--	--	--	--	--	--	--
Trichloroethene	23	8	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane (CFC-11)	--	5,400[7]	--	--	--	--	--	--	--	--	--	--
Trifluorotrichloroethane (Freon 113)	--	28,000[4]	--	--	--	--	--	--	--	--	--	--
Vinyl acetate	--	3,800[4]	--	--	--	--	--	--	--	--	--	--
Vinyl chloride	3.4	0.15	--	--	--	--	--	--	--	--	--	--
Xylene (total)	2,400	2,400	--	--	--	--	--	--	--	--	--	--
Inorganic Compounds												
Asbestos (%)	--	--	--	--	--	--	--	--	--	--	--	--
Total Cyanide (mg/kg)	--	--	--	--	--	--	--	--	--	--	--	--
Total phenols (mg/kg)	--	--	--	--	--	--	--	--	--	--	--	--

Notes
Volatile Organic Compounds (VOCs) analyzed by EPA Method 8260B
Semi-Volatile Organic Compounds (SVOCs) analyzed by EPA Method 8270 SIM
Metals analyzed by EPA Methods 6010B/7471A
Polychlorinated Biphenyls analyzed by EPA Method 8082
Total Petroleum Hydrocarbons analyzed by EPA Method 8015B
Total Cyanide analyzed by EPA Method 9014
Asbestos analyzed by CARB 435

Soil Screening Levels:
1. Environmental Screening Levels (ESLs), Table S-1: Direct Exposure soil Screening Levels, Commercial/Industrial Worker Exposure Scenario, Most Stringent (Water Board, February 2016).
2. Environmental Screening Levels (ESLs), Table S-1: Direct Exposure soil Screening Levels, Construction Worker Exposure Scenario, Most Stringent (Water Board, February 2016).
3. Arsenic concentrations are compared to the background threshold value of 12 mg/kg developed for the adjacent Station A Area (AMEC, 2011).
4. USEPA Regional Screening Level (RSL) for industrial soil endorsed by DTSC (USEPA, November 2017).
5. 0.9 mg/kg B(a)P WQ is the 95th perecentile of the northern California ambient data set for surface soil. The range of ambient concentrations in the northern California ambient data set is non-detect to 2.8 mg/kg.
6. Due to the lack of published screening criteria, the screening levels for acenaphthene and fluoranthene were selected to screen the results for benzo(g,h,i)perylene and phenanthrene, respectively, due to the similar chemical structure.
7. DTSC Modified screening level for industrial soil (DTSC, January 2018)

B(a)P EQ were calculated using potency equivalency factors from the DTSC Preliminary Endangerment Assessment Guidance Manual
BOLD = concentration detected above the laboratory reporting limi
Orange highlight = result exceeded the referenced Construction Worker Screening Level
Green highlight = result exceeded the referenced Commercial/Industrial Screening Level

Abbreviations:
< = analyte not detected above the indicated reporting limit.
J = estimated concentration.
R = rejected result
-- = not analyzed or not applicable.
mg/kg = milligrams per kilogram
ft bgs = feet below ground surface

TABLE 1
SUMMARY OF SOIL ANALYTICAL RESULTS
POTRERO POWER PLANT TANK FARM
SAN FRANCISCO, CALIFORNIA

		Location ID	GB-167	GB-169	GB-169	GB-170	GB-170	GB-171	GB-172	GB-172	GB-173	GB-173	GB-173
		Sample ID	GB-167-19.75	GB-169-2.0	GB-169-5.5	GB-170-6.0	GB-170-11.5	GB-171-1.5	GB-172-2.0	GB-172-6.5	GB-173-2.0	GB-173-8.5	GB-173-15.0
		Sample Date	01/12/2018	01/10/2018	01/10/2018	01/11/2018	01/11/2018	01/10/2018	01/10/2018	01/11/2018	01/10/2018	01/11/2018	01/11/2018
		Sample Depth (feet bgs)	19.75	2.0	5.5	6.0	11.5	1.5	2.0	6.5	2.0	8.5	15.0
		Sample Type	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary
Analyte	**Construction Worker Screening Level[1]**	**Commercial/Industrial Screening Level[2]**											
Metals (mg/kg)													
Antimony	140	470	--	--	--	--	--	**2.4**	< 0.761	< 0.746	< 0.758	< 0.718	--
Arsenic	12[3]	12[3]	--	--	--	--	--	**3.35**	**3.29**	**5.11**	**2.78**	< 0.718	--
Barium	3,000	220,000	--	--	--	--	--	**202**	**128**	**127**	**97.9**	**11.1**	--
Beryllium	42	2,200	--	--	--	--	--	**0.355**	**0.373**	**0.5**	< 0.253	< 0.239	--
Cadmium	43	580	--	--	--	--	--	**1.81**	< 0.508	< 0.498	< 0.505	< 0.478	--
Chromium	530,000	1,800,000	--	--	--	--	--	**74.6**	**214**	**168**	**538**	**12.3**	--
Cobalt	28	350	--	--	--	--	--	**23.6**	**33.6**	**18.6**	**48.2**	**1.62**	--
Copper	14,000	47,000	--	--	--	--	--	**435**	**41**	**40.5**	**36.1**	**7.59**	--
Lead	160	320	--	--	--	--	--	**503**	**67.8**	**43.9**	**80.9**	**21.3**	--
Mercury	44	190	--	--	--	--	--	**0.819**	**0.786**	**1.27**	**2.98**	**0.329**	--
Molybdenum	1,800	5,800	--	--	--	--	--	**1.53**	**0.363**	**4.97**	< 0.253	**0.885**	--
Nickel	86	11,000	--	--	--	--	--	**131**	**354**	**195**	**890**	**15.1**	--
Selenium	1,700	5,800	--	--	--	--	--	< 0.769	< 0.761	< 0.746	< 0.758	< 0.718	--
Silver	1,800	5,800	--	--	--	--	--	**0.395**	< 0.254	< 0.249	< 0.253	< 0.239	--
Thallium	3.5	12	--	--	--	--	--	< 0.769	< 0.761	< 0.746	< 0.758	< 0.718	--
Vanadium	470	5,800	--	--	--	--	--	**56.5**	**47.1**	**45.9**	**31.4**	**8.47**	--
Zinc	110,000	350,000	--	--	--	--	--	**713**	**70.7**	**61.1**	**69.5**	**23.8**	--
Polychlorinated Biphenyls (mg/kg)													
Aroclor-1016 (PCB-1016)	5.6	1.0	--	--	--	--	--	< 0.050	< 0.050	--	< 0.050	--	--
Aroclor-1221 (PCB-1221)	5.6	1.0	--	--	--	--	--	< 0.050	< 0.050	--	< 0.050	--	--
Aroclor-1232 (PCB-1232)	5.6	1.0	--	--	--	--	--	< 0.050	< 0.050	--	< 0.050	--	--
Aroclor-1242 (PCB-1242)	5.6	1.0	--	--	--	--	--	< 0.050	< 0.050	--	< 0.050	--	--
Aroclor-1248 (PCB-1248)	5.6	1.0	--	--	--	--	--	< 0.050	< 0.050	--	< 0.050	--	--
Aroclor-1254 (PCB-1254)	5.6	1.0	--	--	--	--	--	< 0.050	< 0.050	--	< 0.050	--	--
Aroclor-1260 (PCB-1260)	5.6	1.0	--	--	--	--	--	**0.44**	< 0.050	--	< 0.050	--	--
Aroclor-1262 (PCB-1262)	5.6	1.0	--	--	--	--	--	< 0.050	< 0.050	--	< 0.050	--	--
Aroclor-1268 (PCB-1268)	5.6	1.0	--	--	--	--	--	< 0.050	< 0.050	--	< 0.050	--	--
Semi-Volatile Organic Compounds (mg/kg)													
1-Methylnaphthalene	--	--	**1.5**	< 0.010	< 0.0099	**17**	**0.5**	< 0.010	**0.16**	**1**	< 0.10	**760**	**31**
2,4,6-Trichlorophenol	350	47	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	1,100	3,500	--	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	7,100	23,000	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	710	2,300	--	--	--	--	--	--	--	--	--	--	--
2,6-Dichlorophenol	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	1,800	5,800	--	--	--	--	--	--	--	--	--	--	--
2-Methylnaphthalene	670	3,000	**2.8**	< 0.010	< 0.0099	**9.8**	< 0.10	< 0.010	**0.16**	**1**	< 0.10	**1,600**	**55**
2-Methylphenol (o-Cresol)	--	41,000[4]	--	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	--	--	--	--	--	--	--	--	--	--	--	--	--
3&4-Methylphenol	--	--	--	--	--	--	--	--	--	--	--	--	--
3/4-Methylphenols (p/m-Cresol) A	--	41,000[4]	--	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	--	66[4]	--	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	--	--	--	--	--	--	--	--	--	--	--	--	--
Acenaphthene	10,000	45,000	**0.36**	< 0.010	**0.01**	**12**	**1.6**	< 0.010	< 0.10	**0.3**	< 0.10	**2,800**	**140**
Acenaphthylene	--	45,000[4]	**0.9**	**0.04**	**0.2**	**140**	**0.78**	**0.018**	**1.2**	**1.5**	**0.8**	**2,800**	**18**
Anthracene	50,000	230,000	**0.59**	**0.047**	**0.26**	**84**	**1.9**	**0.018**	**0.83**	**1.8**	**0.79**	**1,200**	**41**
Benzo(a)anthracene	16	2.9	**0.5**	**0.16**	**1.3**	**290**	**1.1**	**0.071**	**3.6**	**4.4**	**3.9**	**1,700**	**43**
Benzo(a)pyrene	1.6	0.29	**0.41**	**0.21**	**1.1**	**360**	**0.87**	**0.089**	**7**	**7.1**	**11**	**3,800**	**66**
Benzo(A)Pyrene Equivalent (1/2 RL substituted for ND)	0.9[5]	0.9[5]	**0.55**	**0.3**	**1.49**	**488.12**	**1.22**	**0.14**	**9.2**	**8.99**	**14.34**	**4,693.50**	**84.9**
Benzo(b)fluoranthene	16	2.9	**0.25**	**0.21**	**0.75**	**280**	**0.56**	**0.087**	**4.9**	**3.3**	**9.2**	**2,600**	**45**
Benzo(g,h,i)perylene	10,000[6]	45,000[6]	**0.13**	**0.17**	**0.31**	**200**	**0.41**	**0.087**	**6.1**	**4.1**	**13**	**2,300**	**40**
Benzo(k)fluoranthene	150	29	**0.37**	**0.14**	**0.91**	**280**	**0.63**	**0.07**	**4**	**3.6**	**7.4**	**2,100**	**35**
Chrysene	1,500	260	**0.49**	**0.19**	**1.3**	**320**	**1.1**	**0.085**	**6.7**	**7.1**	**7.4**	**2,500**	**55**
Dibenz(a,h)anthracene	1.6	0.29	< 0.099	**0.033**	**0.14**	**51**	**0.14**	**0.024**	**0.93**	**0.79**	**1.1**	**250**	**6.2**
Fluoranthene	6,700	30,000	**1.2**	**0.34 J**	**2.3**	**530**	**2.9**	**0.12**	**11**	**15**	**17**	**8,200**	**250**
Fluorene	6,700	30,000	**1**	**0.013**	< 0.0099	**48**	**1.4**	< 0.010	**0.24**	**1.6**	**0.15**	**770**	**33**
Indeno(1,2,3-cd)pyrene	16	2.9	**0.13**	**0.14**	**0.33**	**170**	**0.39**	**0.058**	**3.7**	**2.9**	**8.5**	**1,900**	**35**
Naphthalene	350	14	**29**	**0.016**	**0.011**	**51**	< 0.10	< 0.010	**0.63**	**1.4**	**0.48**	**250,000**	**1,700**
Pentachlorophenol	20	4	--	--	--	--	--	--	--	--	--	--	--
Phenanthrene	6,700[6]	30,000[6]	**2.7**	**0.17 J**	**0.034**	**330**	**3.3**	**0.06**	**6.2**	**18**	**4.9**	**12,000**	**340**
Phenol	98,000	350,000	--	--	--	--	--	--	--	--	--	--	--
Pyrene	5,000	23,000	**1.1**	**0.48 J**	**3**	**750**	**3.4**	**0.16**	**22**	**22**	**27**	**8,100**	**240**

TABLE 1
SUMMARY OF SOIL ANALYTICAL RESULTS
POTRERO POWER PLANT TANK FARM
SAN FRANCISCO, CALIFORNIA

		Location ID	**GB-167**	**GB-169**	**GB-169**	**GB-170**	**GB-170**	**GB-171**	**GB-172**	**GB-172**	**GB-173**	**GB-173**	**GB-173**
		Sample ID	GB-167-19.75	GB-169-2.0	GB-169-5.5	GB-170-6.0	GB-170-11.5	GB-171-1.5	GB-172-2.0	GB-172-6.5	GB-173-2.0	GB-173-8.5	GB-173-15.0
		Sample Date	01/12/2018	01/10/2018	01/10/2018	01/11/2018	01/11/2018	01/10/2018	01/10/2018	01/11/2018	01/10/2018	01/11/2018	01/11/2018
		Sample Depth (feet bgs)	19.75	2.0	5.5	6.0	11.5	1.5	2.0	6.5	2.0	8.5	15.0
		Sample Type	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary
Analyte	**Construction Worker Screening Level[1]**	**Commercial/Industrial Screening Level[2]**											
Total Petroleum Hydrocarbons (mg/kg)													
Diesel Range Organics	880	1,100	**250**	**6**	**21**	**20,000**	**3,200**	**24**	**210**	**360**	**240**	**360,000**	**2,600**
Gasoline Range Organics	2,800	3,900	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons (C9-C40)	880	1,100	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons-Motor Oil	32,000	140,000	**210**	< 25	**26**	**25,000**	**1,900**	**59**	**340**	**510**	**440**	**96,000**	**1,700**
Volatile Organic Compounds (mg/kg)													
1,1,1,2-Tetrachloroethane	340	18	--	--	--	--	--	< 0.00083	< 0.00085	< 0.038	< 0.00097	< 6.2	--
1,1,1-Trichloroethane	8,800	8,900	--	--	--	--	--	< 0.00083	< 0.00085	< 0.038	< 0.00097	< 6.2	--
1,1,2,2-Tetrachloroethane	44	2.3	--	--	--	--	--	< 0.0017	< 0.0017	< 0.076	< 0.0019	< 12	--
1,1,2-Trichloroethane	5.2	4.2	--	--	--	--	--	< 0.00083	< 0.00085	< 0.038	< 0.00097	< 6.2	--
1,1-Dichloroethane	390	17	--	--	--	--	--	< 0.00083	< 0.00085	< 0.038	< 0.00097	< 6.2	--
1,1-Dichloroethene	390	400	--	--	--	--	--	< 0.00083	< 0.00085	< 0.038	< 0.00097	< 6.2	--
1,1-Dichloropropane	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	--	--	--	--	--	--	--	< 0.0017	< 0.0017	< 0.076	< 0.0019	< 12	--
1,2,3-Trichlorobenzene	--	310[7]	--	--	--	--	--	< 0.0017	< 0.0017	< 0.076	< 0.0019	< 12	--
1,2,3-Trichloropropane	--	0.021[7]	--	--	--	--	--	< 0.0017	< 0.0017	< 0.076	< 0.0019	< 12	--
1,2,4-Trichlorobenzene	310	110	--	--	--	--	--	< 0.0017	< 0.0017	< 0.076	< 0.0019	< 12	--
1,2,4-Trimethylbenzene	--	1,800[4]	--	--	--	--	--	< 0.0017	< 0.0017	< 0.076	< 0.0019	< 12	--
1,2-Dibromo-3-chloropropane (DBCP)	1.3	0.072	--	--	--	--	--	< 0.0041	< 0.0042	< 0.19	< 0.0048	< 31	--
1,2-Dibromoethane (Ethylene Dibromide)	3.2	0.16	--	--	--	--	--	< 0.00083	< 0.00085	< 0.038	< 0.00097	< 6.2	--
1,2-Dichlorobenzene	8,500	11,000	--	--	--	--	--	< 0.00083	< 0.00085	< 0.038	< 0.00097	< 6.2	--
1,2-Dichloroethane	37	1.6	--	--	--	--	--	< 0.00083	< 0.00085	< 0.038	< 0.00097	< 6.2	--
1,2-Dichloropropane	58	3.9	--	--	--	--	--	< 0.00083	< 0.00085	< 0.038	< 0.00097	< 6.2	--
1,3,5-Trimethylbenzene	--	1,500[4]	--	--	--	--	--	< 0.0017	< 0.0017	< 0.076	< 0.0019	< 12	--
1,3-Dichlorobenzene	--	--	--	--	--	--	--	< 0.00083	< 0.00085	< 0.038	< 0.00097	< 6.2	--
1,3-Dichloropropane	--	2,200[7]	--	--	--	--	--	< 0.00083	< 0.00085	< 0.038	< 0.00097	< 6.2	--
1,3-Dichloropropene	29	1.2	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	310	13	--	--	--	--	--	< 0.00083	< 0.00085	< 0.038	< 0.00097	< 6.2	--
1-Methylethyl-benzene A	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	--	--	--	--	--	--	--	< 0.0041	< 0.0042	< 0.19	< 0.0048	< 31	--
2-Butanone (Methyl Ethyl Ketone)	--	190,000[4]	--	--	--	--	--	< 0.017	< 0.017	< 0.76	< 0.019	< 120	--
2-Chlorotoluene	--	2,600[7]	--	--	--	--	--	< 0.00083	< 0.00085	< 0.038	< 0.00097	< 6.2	--
2-Hexanone	--	1,300[4]	--	--	--	--	--	< 0.017	< 0.017	< 0.76	< 0.019	< 120	--
2-Phenylbutane (sec-Butylbenzene)	--	12,000[7]	--	--	--	--	--	< 0.00083	< 0.00085	< 0.038	< 0.00097	< 6.2	--
4-Chlorotoluene	--	2,300[7]	--	--	--	--	--	< 0.00083	< 0.00085	< 0.038	< 0.00097	< 6.2	--
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	--	140,000[4]	--	--	--	--	--	< 0.017	< 0.017	< 0.76	< 0.019	< 120	--
Acetone	260,000	630,000	--	--	--	--	--	< 0.041	< 0.042	< 1.9	< 0.048	< 310	--
Benzene	24	1	**0.11**	--	--	< 2.5	< 0.046	< 0.00083	**0.056**	< 0.038	**0.017**	**1,400**	**9.8**
Bromobenzene	--	1,800[4]	--	--	--	--	--	< 0.00083	< 0.00085	< 0.038	< 0.00097	< 6.2	--
Bromodichloromethane	47	2.3	--	--	--	--	--	< 0.00083	< 0.00085	< 0.038	< 0.00097	< 6.2	--
Bromoform	2,200	300	--	--	--	--	--	< 0.0041	< 0.0042	< 0.19	< 0.0048	< 31	--
Bromomethane (Methyl Bromide)	34	36	--	--	--	--	--	< 0.017	< 0.017	< 0.76	< 0.019	< 120	--
Carbon disulfide	--	3,500[4]	--	--	--	--	--	< 0.0083	< 0.0085	< 0.38	< 0.0097	< 62	--
Carbon tetrachloride	13	0.54	--	--	--	--	--	< 0.00083	< 0.00085	< 0.038	< 0.00097	< 6.2	--
Chlorobenzene	1,100	1,200	--	--	--	--	--	< 0.00083	< 0.00085	< 0.038	< 0.00097	< 6.2	--
Chlorobromomethane	--	630[4]	--	--	--	--	--	< 0.0017	< 0.0017	< 0.076	< 0.0019	< 12	--
Chloroethane	53,000	53,000	--	--	--	--	--	< 0.0017	< 0.0017	< 0.076	< 0.0019	< 12	--
Chloroform (Trichloromethane)	32	1.3	--	--	--	--	--	< 0.00083	< 0.00085	< 0.038	< 0.00097	< 6.2	--
Chloromethane (Methyl Chloride)	430	430	--	--	--	--	--	< 0.017	< 0.017	< 0.76	< 0.019	< 120	--
cis-1,2-Dichloroethene	82	90	--	--	--	--	--	< 0.00083	< 0.00085	< 0.038	< 0.00097	< 6.2	--
cis-1,3-Dichloropropene	--	8.2[4]	--	--	--	--	--	< 0.00083	< 0.00085	< 0.038	< 0.00097	< 6.2	--
Cyclohexanone	--	130,000[4]	--	--	--	--	--	< 0.041	< 0.042	< 1.9	< 0.048	< 310	--
Cymene (p-Isopropyltoluene)	--	--	--	--	--	--	--	< 0.00083	< 0.00085	< 0.038	< 0.00097	< 6.2	--
Dibromochloromethane	290	39	--	--	--	--	--	< 0.0017	< 0.0017	< 0.076	< 0.0019	< 12	--
Dibromomethane	--	99[4]	--	--	--	--	--	< 0.00083	< 0.00085	< 0.038	< 0.00097	< 6.2	--
Dichlorodifluoromethane (CFC-12)	--	370[4]	--	--	--	--	--	< 0.0017	< 0.0017	< 0.076	< 0.0019	< 12	--
Diisopropyl ether (DIPE)	--	9,400[4]	--	--	--	--	--	< 0.00083	< 0.00085	< 0.038	< 0.00097	< 6.2	--
Ethanol	--	--	--	--	--	--	--	< 0.41	< 0.42	< 19	< 0.48	< 3,100	--
Ethylbenzene	480	22	**0.15**	--	--	< 2.5	< 0.046	< 0.00083	< 0.00085	< 0.038	< 0.00097	**240**	**9.3**
Hexachlorobutadiene	310	42	--	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene (Cumene)	--	9,900[4]	--	--	--	--	--	< 0.00083	< 0.00085	< 0.038	< 0.00097	< 6.2	--
m,p-Xylenes	2,400	2,400	< 0.11	--	--	< 5.0	< 0.091	< 0.0017	< 0.0017	< 0.076	< 0.0019	< 12	**4.1**

TABLE 1
SUMMARY OF SOIL ANALYTICAL RESULTS
POTRERO POWER PLANT TANK FARM
SAN FRANCISCO, CALIFORNIA

		Location ID	**GB-167**	**GB-169**	**GB-169**	**GB-170**	**GB-170**	**GB-171**	**GB-172**	**GB-172**	**GB-173**	**GB-173**	**GB-173**
		Sample ID	GB-167-19.75	GB-169-2.0	GB-169-5.5	GB-170-6.0	GB-170-11.5	GB-171-1.5	GB-172-2.0	GB-172-6.5	GB-173-2.0	GB-173-8.5	GB-173-15.0
		Sample Date	01/12/2018	01/10/2018	01/10/2018	01/11/2018	01/11/2018	01/10/2018	01/10/2018	01/11/2018	01/10/2018	01/11/2018	01/11/2018
		Sample Depth (feet bgs)	19.75	2.0	5.5	6.0	11.5	1.5	2.0	6.5	2.0	8.5	15.0
		Sample Type	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary
Analyte	**Construction Worker Screening Level[1]**	**Commercial/Industrial Screening Level[2]**											
Methyl Tert Butyl Ether	3,700	180	--	--	--	--	--	< 0.0017	< 0.0017	< 0.076	< 0.0019	< 12	--
Methylene chloride	500	25	--	--	--	--	--	< 0.0083	< 0.0085	< 0.38	< 0.0097	< 62	--
Naphthalene	350	14	--	--	--	--	--	< 0.0083	< 0.0085	**0.8**	< 0.0097	**39,000**	--
n-Butylbenzene	--	6,400[7]	--	--	--	--	--	< 0.00083	< 0.00085	< 0.038	< 0.00097	< 6.2	--
n-Propylbenzene	--	24,000	--	--	--	--	--	< 0.0017	< 0.0017	< 0.076	< 0.0019	< 12	--
o-Xylene	2,400	2,400	**0.079**	--	--	< 2.5	< 0.046	< 0.00083	< 0.00085	< 0.038	< 0.00097	< 6.2	**3.1**
Styrene	29,000	40,000	--	--	--	--	--	< 0.00083	< 0.00085	< 0.038	< 0.00097	< 6.2	--
t-Amyl Alcohol	--	340[4]	--	--	--	--	--	< 0.041	< 0.042	< 1.9	< 0.048	< 310	--
Tert-Amyl Methyl Ether (TAME)	--	--	--	--	--	--	--	< 0.00083	< 0.00085	< 0.038	< 0.00097	< 6.2	--
Tert-Butyl Alcohol (tert-Butanol)	--	--	--	--	--	--	--	< 0.017	< 0.017	< 0.76	< 0.019	< 120	--
Tert-Butyl Ethyl Ether (ETBE)	--	--	--	--	--	--	--	< 0.00083	< 0.00085	< 0.038	< 0.00097	< 6.2	--
tert-Butylbenzene	--	12,000[7]	--	--	--	--	--	< 0.00083	< 0.00085	< 0.038	< 0.00097	< 6.2	--
Tetrachloroethene	33	2.7	--	--	--	--	--	< 0.00083	< 0.00085	< 0.038	< 0.00097	< 6.2	--
Toluene	4,100	4,600	< 0.053	--	--	< 2.5	< 0.046	< 0.00083	< 0.00085	< 0.038	< 0.00097	**110**	**2.7**
trans-1,2-Dichloroethene	680	730	--	--	--	--	--	< 0.00083	< 0.00085	< 0.038	< 0.00097	< 6.2	--
trans-1,3-Dichloropropene	--	8.2[4]	--	--	--	--	--	< 0.0017	< 0.0017	< 0.076	< 0.0019	< 12	--
Trichloroethene	23	8	--	--	--	--	--	< 0.0017	< 0.0017	< 0.076	< 0.0019	< 12	--
Trichlorofluoromethane (CFC-11)	--	5,400[7]	--	--	--	--	--	< 0.0083	< 0.0085	< 0.38	< 0.0097	< 62	--
Trifluorotrichloroethane (Freon 113)	--	28,000[4]	--	--	--	--	--	< 0.0083	< 0.0085	< 0.38	< 0.0097	< 62	--
Vinyl acetate	--	3,800[4]	--	--	--	--	--	< 0.0083	< 0.0085	< 0.38	< 0.0097	< 62	--
Vinyl chloride	3.4	0.15	--	--	--	--	--	< 0.00083	< 0.00085	< 0.038	< 0.00097	< 6.2	--
Xylene (total)	2,400	2,400	--	--	--	--	--	--	--	--	--	--	--
Inorganic Compounds													
Asbestos (%)	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Cyanide (mg/kg)	--	--	--	--	--	--	--	--	--	--	--	--	--
Total phenols (mg/kg)	--	--	--	--	--	--	--	--	--	--	--	--	--

Notes
Volatile Organic Compounds (VOCs) analyzed by EPA Method 8260B
Semi-Volatile Organic Compounds (SVOCs) analyzed by EPA Method 8270 SIM
Metals analyzed by EPA Methods 6010B/7471A
Polychlorinated Biphenyls analyzed by EPA Method 8082
Total Petroleum Hydrocarbons analyzed by EPA Method 8015B
Total Cyanide analyzed by EPA Method 9014
Asbestos analyzed by CARB 435
Soil Screening Levels:
1. Environmental Screening Levels (ESLs), Table S-1: Direct Exposure soil Screening Levels, Commercial/Industrial Worker Exposure Scenario, Most Stringent (Water Board, February 2016).
2. Environmental Screening Levels (ESLs), Table S-1: Direct Exposure soil Screening Levels, Construction Worker Exposure Scenario, Most Stringent (Water Board, February 2016).
3. Arsenic concentrations are compared to the background threshold value of 12 mg/kg developed for the adjacent Station A Area (AMEC, 2011).
4. USEPA Regional Screening Level (RSL) for industrial soil endorsed by DTSC (USEPA, November 2017).
5. 0.9 mg/kg B(a)P WQ is the 95th perecentile of the northern California ambient data set for surface soil. The range of ambient concentrations in the northern California ambient data set is non-detect to 2.8 mg/kg.
6. Due to the lack of published screening criteria, the screening levels for acenaphthene and fluoranthene were selected to screen the results for benzo(g,h,i)perylene and phenanthrene, respectively, due to the similar chemical structure.
7. DTSC Modified screening level for industrial soil (DTSC, January 2018)
B(a)P EQ were calculated using potency equivalency factors from the DTSC Preliminary Endangerment Assessment Guidance Manual
BOLD = concentration detected above the laboratory reporting limi
Orange highlight = result exceeded the referenced Construction Worker Screening Level
Green highlight = result exceeded the referenced Commercial/Industrial Screening Level
Abbreviations:
< = analyte not detected above the indicated reporting limit.
J = estimated concentration.
R = rejected result
-- = not analyzed or not applicable.
mg/kg = milligrams per kilogram
ft bgs = feet below ground surface

TABLE 1
SUMMARY OF SOIL ANALYTICAL RESULTS
POTRERO POWER PLANT TANK FARM
SAN FRANCISCO, CALIFORNIA

		Location ID	GB-173	GB-173	GB-174	GB-174	MW-POT-10	MW-POT-10	MW-POT-11	MW-POT-11	MW-POT-12	MW-POT-12
		Sample ID	GB-173-18.5	GB-173-25.0	GB-174-2.0	GB-174-5.5	MW-POT-10-6	MW-POT-10-10	MW-POT-11-2	MW-POT-11-6	MW-POT-12-3	MW-POT-12-5.5
		Sample Date	01/11/2018	01/11/2018	02/21/2018	02/21/2018	02/27/1991	02/27/1991	03/05/1991	03/05/1991	02/26/1991	02/26/1991
		Sample Depth (feet bgs)	18.5	25.0	2.0	5.5	6.0	10.0	2.0	6.0	3.0	5.5
		Sample Type	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary
Analyte	**Construction Worker Screening Level[1]**	**Commercial/Industrial Screening Level[2]**										
Metals (mg/kg)												
Antimony	140	470	--	--	--	--	< 6.6	< 6.7	< 6.5	< 6.9	< 6.7	< 7
Arsenic	12[3]	12[3]	--	--	--	--	**1.3**	**1.7**	**4.7**	< 0.57	**3**	**6.1**
Barium	3,000	220,000	--	--	--	--	**17**	**26**	**75**	**1,800**	**160**	**210**
Beryllium	42	2,200	--	--	--	--	< 0.55	< 0.56	< 0.54	< 0.57	< 0.56	< 0.58
Cadmium	43	580	--	--	--	--	**4.9**	**4**	**3.3**	**9.5**	**3**	**2.8**
Chromium	530,000	1,800,000	--	--	--	--	**560**	**350**	**130**	**25**	**47**	**200**
Cobalt	28	350	--	--	--	--	**72**	**60**	**20**	**45**	**14**	**28**
Copper	14,000	47,000	--	--	--	--	**32**	**25**	**19**	**88**	**35**	**58**
Lead	160	320	--	--	--	--	< 5.5	< 5.6	**36**	**11**	**45**	**470**
Mercury	44	190	--	--	--	--	< 0.11	**0.14**	**0.14**	< 0.11	**0.27**	**0.27**
Molybdenum	1,800	5,800	--	--	--	--	< 1.1	< 1.1	< 1.1	< 1.1	< 4.4	< 4.6
Nickel	86	11,000	--	--	--	--	**1,500**	**1,200**	**320**	**72**	**86**	**560**
Selenium	1,700	5,800	--	--	--	--	< 22	< 22	< 22	< 23	< 14	< 14
Silver	1,800	5,800	--	--	--	--	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.2
Thallium	3.5	12	--	--	--	--	< 16	< 17	< 16	< 17	< 17	< 17
Vanadium	470	5,800	--	--	--	--	**24**	**11**	**29**	**2.3**	**42**	**160**
Zinc	110,000	350,000	--	--	--	--	**28**	**21**	**100**	**1.1**	**62**	**89**
Polychlorinated Biphenyls (mg/kg)												
Aroclor-1016 (PCB-1016)	5.6	1.0	--	--	--	--	< 0.022	--	< 0.22	--	< 0.022	--
Aroclor-1221 (PCB-1221)	5.6	1.0	--	--	--	--	< 0.022	--	< 0.22	--	< 0.022	--
Aroclor-1232 (PCB-1232)	5.6	1.0	--	--	--	--	< 0.022	--	< 0.22	--	< 0.022	--
Aroclor-1242 (PCB-1242)	5.6	1.0	--	--	--	--	< 0.022	--	< 0.22	--	< 0.022	--
Aroclor-1248 (PCB-1248)	5.6	1.0	--	--	--	--	< 0.022	--	< 0.22	--	< 0.022	--
Aroclor-1254 (PCB-1254)	5.6	1.0	--	--	--	--	< 0.022	--	< 0.22	--	**0.064**	--
Aroclor-1260 (PCB-1260)	5.6	1.0	--	--	--	--	< 0.022	--	**1**	--	< 0.022	--
Aroclor-1262 (PCB-1262)	5.6	1.0	--	--	--	--	--	--	--	--	--	--
Aroclor-1268 (PCB-1268)	5.6	1.0	--	--	--	--	--	--	--	--	--	--
Semi-Volatile Organic Compounds (mg/kg)												
1-Methylnaphthalene	--	--	**6.9**	**0.92**	**0.19**	**0.15**	--	--	--	--	--	--
2,4,6-Trichlorophenol	350	47	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	1,100	3,500	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	7,100	23,000	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	710	2,300	--	--	--	--	--	--	--	--	--	--
2,6-Dichlorophenol	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	1,800	5,800	--	--	--	--	--	--	--	--	--	--
2-Methylnaphthalene	670	3,000	**12**	**1.6**	**0.14**	< 0.098	--	--	--	--	--	--
2-Methylphenol (o-Cresol)	--	41,000[4]	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	--	--	--	--	--	--	--	--	--	--	--	--
3&4-Methylphenol	--	--	--	--	--	--	--	--	--	--	--	--
3/4-Methylphenols (p/m-Cresol) A	--	41,000[4]	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	--	66[4]	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	--	--	--	--	--	--	--	--	--	--	--	--
Acenaphthene	10,000	45,000	**4.8**	**0.17**	**0.84**	**0.59**	< 0.55	< 0.56	**2.6**	< 0.57	< 0.56	< 0.58
Acenaphthylene	--	45,000[4]	**4**	**0.26**	**1.8**	**0.73**	< 0.55	< 0.56	**1.3**	< 0.57	< 0.56	**2.2**
Anthracene	50,000	230,000	**4.1**	**0.25**	**2.6**	**0.73**	< 0.055	< 0.056	**0.47**	< 0.057	**0.062**	**1.2**
Benzo(a)anthracene	16	2.9	**4.1**	**0.16**	**9.2**	**2**	< 0.055	< 0.056	**1.4**	< 0.057	**0.12**	**4.1**
Benzo(a)pyrene	1.6	0.29	**4.5**	**0.12**	**14**	**3.5**	< 0.055	< 0.056	**2.9**	< 0.057	**0.23**	**10**
Benzo(A)Pyrene Equivalent (1/2 RL substituted for ND)	0.9[5]	0.9[5]	**5.97**	**0.2**	**18.44**	**4.59**	**0.11**	**0.11**	**5.81**	**0.11**	**0.36**	**20**
Benzo(b)fluoranthene	16	2.9	**3.1**	< 0.10	**9.6**	**2**	< 0.055	< 0.056	**1.4**	< 0.057	**0.24**	**4.2**
Benzo(g,h,i)perylene	10,000[6]	45,000[6]	**2.2**	< 0.10	**13**	**2.7**	< 0.14	< 0.14	**2.2**	< 0.14	< 0.14	**7.4**
Benzo(k)fluoranthene	150	29	**3.1**	**0.12**	**8.2**	**1.9**	< 0.055	< 0.056	**0.9**	< 0.057	< 0.056	< 0.058
Chrysene	1,500	260	**4.4**	**0.16**	**10**	**2.1**	< 0.055	< 0.056	**1.7**	< 0.057	**0.58**	**5.7**
Dibenz(a,h)anthracene	1.6	0.29	**0.51**	< 0.10	**1.5**	**0.48**	< 0.14	< 0.14	**2.5**	< 0.14	< 0.14	**8.7**
Fluoranthene	6,700	30,000	**15**	**0.51**	**28**	**3.8**	< 0.14	< 0.14	**3.6**	< 0.14	**0.92**	**20**
Fluorene	6,700	30,000	**6.9**	**0.46**	**0.81**	**0.4**	< 0.055	< 0.056	**0.49**	< 0.057	< 0.056	**0.7**
Indeno(1,2,3-cd)pyrene	16	2.9	**2**	< 0.10	**9.7**	**1.9**	< 0.055	< 0.056	**1.2**	< 0.057	**0.26**	**4.6**
Naphthalene	350	14	**88**	**13**	**0.58**	< 0.098	< 0.55	< 0.56	**2.5**	< 0.57	< 0.56	< 0.58
Pentachlorophenol	20	4	--	--	--	--	--	--	--	--	--	--
Phenanthrene	6,700[6]	30,000[6]	**24**	**1.1**	**23**	**1.4**	< 0.055	< 0.056	**1.7**	< 0.057	**0.27**	**4.9**
Phenol	98,000	350,000	--	--	--	--	--	--	--	--	--	--
Pyrene	5,000	23,000	**14**	**0.43**	**37**	**7.4**	< 0.14	< 0.14	**5.9**	< 0.14	**1**	**21**

TABLE 1
SUMMARY OF SOIL ANALYTICAL RESULTS
POTRERO POWER PLANT TANK FARM
SAN FRANCISCO, CALIFORNIA

		Location ID	GB-173	GB-173	GB-174	GB-174	MW-POT-10	MW-POT-10	MW-POT-11	MW-POT-11	MW-POT-12	MW-POT-12
		Sample ID	GB-173-18.5	GB-173-25.0	GB-174-2.0	GB-174-5.5	MW-POT-10-6	MW-POT-10-10	MW-POT-11-2	MW-POT-11-6	MW-POT-12-3	MW-POT-12-5.5
		Sample Date	01/11/2018	01/11/2018	02/21/2018	02/21/2018	02/27/1991	02/27/1991	03/05/1991	03/05/1991	02/26/1991	02/26/1991
		Sample Depth (feet bgs)	18.5	25.0	2.0	5.5	6.0	10.0	2.0	6.0	3.0	5.5
		Sample Type	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary
Analyte	**Construction Worker Screening Level[1]**	**Commercial/Industrial Screening Level[2]**										
Total Petroleum Hydrocarbons (mg/kg)												
Diesel Range Organics	880	1,100	**800**	**14**	**310 J**	**2,200**	< 10	< 10	< 10	< 10	**26**	**780**
Gasoline Range Organics	2,800	3,900	--	--	--	--	**40**	< 10	< 10	< 10	**1,400**	**900**
Total Petroleum Hydrocarbons (C9-C40)	880	1,100	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons-Motor Oil	32,000	140,000	**550**	< 25	**490**	**1,900**	--	--	--	--	--	--
Volatile Organic Compounds (mg/kg)												
1,1,1,2-Tetrachloroethane	340	18	--	--	< 0.00081	< 0.00086	--	--	--	--	--	--
1,1,1-Trichloroethane	8,800	8,900	--	--	< 0.00081	< 0.00086	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	44	2.3	--	--	< 0.0016	< 0.0017	--	--	--	--	--	--
1,1,2-Trichloroethane	5.2	4.2	--	--	< 0.00081	< 0.00086	--	--	--	--	--	--
1,1-Dichloroethane	390	17	--	--	< 0.00081	< 0.00086	--	--	--	--	--	--
1,1-Dichloroethene	390	400	--	--	< 0.00081	< 0.00086	--	--	--	--	--	--
1,1-Dichloropropane	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	--	--	--	--	< 0.0016	< 0.0017	--	--	--	--	--	--
1,2,3-Trichlorobenzene	--	310[7]	--	--	< 0.0016	< 0.0017	--	--	--	--	--	--
1,2,3-Trichloropropane	--	0.021[7]	--	--	< 0.0016	< 0.0017	--	--	--	--	--	--
1,2,4-Trichlorobenzene	310	110	--	--	< 0.0016	< 0.0017	--	--	--	--	--	--
1,2,4-Trimethylbenzene	--	1,800[4]	--	--	< 0.0016	**0.0022**	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane (DBCP)	1.3	0.072	--	--	< 0.0040	< 0.0043	--	--	--	--	--	--
1,2-Dibromoethane (Ethylene Dibromide)	3.2	0.16	--	--	< 0.00081	< 0.00086	--	--	--	--	--	--
1,2-Dichlorobenzene	8,500	11,000	--	--	< 0.00081	< 0.00086	--	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0058
1,2-Dichloroethane	37	1.6	--	--	< 0.00081	< 0.00086	--	--	--	--	--	--
1,2-Dichloropropane	58	3.9	--	--	< 0.00081	< 0.00086	--	--	--	--	--	--
1,3,5-Trimethylbenzene	--	1,500[4]	--	--	< 0.0016	< 0.0017	--	--	--	--	--	--
1,3-Dichlorobenzene	--	--	--	--	< 0.00081	< 0.00086	--	< 0.00078	< 0.00076	< 0.0008	< 0.00078	< 0.0041
1,3-Dichloropropane	--	2,200[7]	--	--	< 0.00081	< 0.00086	--	--	--	--	--	--
1,3-Dichloropropene	29	1.2	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	310	13	--	--	< 0.00081	< 0.00086	--	< 0.00078	< 0.00076	< 0.0008	< 0.00078	< 0.0041
1-Methylethyl-benzene A	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	--	--	--	--	< 0.0040	< 0.0043	--	--	--	--	--	--
2-Butanone (Methyl Ethyl Ketone)	--	190,000[4]	--	--	< 0.016	< 0.017	--	--	--	--	--	--
2-Chlorotoluene	--	2,600[7]	--	--	< 0.00081	< 0.00086	--	--	--	--	--	--
2-Hexanone	--	1,300[4]	--	--	< 0.016	< 0.017	--	--	--	--	--	--
2-Phenylbutane (sec-Butylbenzene)	--	12,000[7]	--	--	< 0.00081	**0.0015**	--	--	--	--	--	--
4-Chlorotoluene	--	2,300[7]	--	--	< 0.00081	< 0.00086	--	--	--	--	--	--
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	--	140,000[4]	--	--	< 0.016	< 0.017	--	--	--	--	--	--
Acetone	260,000	630,000	--	--	< 0.040	< 0.043	--	--	--	--	--	--
Benzene	24	1	**0.94**	**1.9**	**0.0045**	< 0.00086	--	< 0.00033	< 0.00033	< 0.00034	< 0.00033	< 0.0017
Bromobenzene	--	1,800[4]	--	--	< 0.00081	< 0.00086	--	--	--	--	--	--
Bromodichloromethane	47	2.3	--	--	< 0.00081	< 0.00086	--	--	--	--	--	--
Bromoform	2,200	300	--	--	< 0.0040	< 0.0043	--	--	--	--	--	--
Bromomethane (Methyl Bromide)	34	36	--	--	< 0.016	< 0.017	--	--	--	--	--	--
Carbon disulfide	--	3,500[4]	--	--	< 0.0081	**0.014**	--	--	--	--	--	--
Carbon tetrachloride	13	0.54	--	--	< 0.00081	< 0.00086	--	--	--	--	--	--
Chlorobenzene	1,100	1,200	--	--	< 0.00081	**0.0063**	--	< 0.00033	< 0.00033	< 0.00034	< 0.00033	< 0.0017
Chlorobromomethane	--	630[4]	--	--	< 0.0016	< 0.0017	--	--	--	--	--	--
Chloroethane	53,000	53,000	--	--	< 0.0016	< 0.0017	--	--	--	--	--	--
Chloroform (Trichloromethane)	32	1.3	--	--	< 0.00081	< 0.00086	--	--	--	--	--	--
Chloromethane (Methyl Chloride)	430	430	--	--	< 0.016	< 0.017	--	--	--	--	--	--
cis-1,2-Dichloroethene	82	90	--	--	< 0.00081	< 0.00086	--	--	--	--	--	--
cis-1,3-Dichloropropene	--	8.2[4]	--	--	< 0.00081	< 0.00086	--	--	--	--	--	--
Cyclohexanone	--	130,000[4]	--	--	< 0.040	< 0.043	--	--	--	--	--	--
Cymene (p-Isopropyltoluene)	--	--	--	--	< 0.00081	< 0.00086	--	--	--	--	--	--
Dibromochloromethane	290	39	--	--	< 0.0016	< 0.0017	--	--	--	--	--	--
Dibromomethane	--	99[4]	--	--	< 0.00081	< 0.00086	--	--	--	--	--	--
Dichlorodifluoromethane (CFC-12)	--	370[4]	--	--	< 0.0016	< 0.0017	--	--	--	--	--	--
Diisopropyl ether (DIPE)	--	9,400[4]	--	--	< 0.00081	< 0.00086	--	--	--	--	--	--
Ethanol	--	--	--	--	< 0.40	< 0.43	--	--	--	--	--	--
Ethylbenzene	480	22	**0.65**	**0.38**	< 0.00081	< 0.00086	**0.0066**	< 0.00033	< 0.00033	< 0.00034	< 0.00033	< 0.0017
Hexachlorobutadiene	310	42	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene (Cumene)	--	9,900[4]	--	--	< 0.00081	< 0.00086	--	--	--	--	--	--
m,p-Xylenes	2,400	2,400	**1.7**	**1.5**	< 0.0016	< 0.0017	--	--	--	--	--	--

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SAN FRANCISCO, CALIFORNIA

		Location ID	**GB-173**	**GB-173**	**GB-174**	**GB-174**	**MW-POT-10**	**MW-POT-10**	**MW-POT-11**	**MW-POT-11**	**MW-POT-12**	**MW-POT-12**
		Sample ID	GB-173-18.5	GB-173-25.0	GB-174-2.0	GB-174-5.5	MW-POT-10-6	MW-POT-10-10	MW-POT-11-2	MW-POT-11-6	MW-POT-12-3	MW-POT-12-5.5
		Sample Date	01/11/2018	01/11/2018	02/21/2018	02/21/2018	02/27/1991	02/27/1991	03/05/1991	03/05/1991	02/26/1991	02/26/1991
		Sample Depth (feet bgs)	18.5	25.0	2.0	5.5	6.0	10.0	2.0	6.0	3.0	5.5
		Sample Type	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary
Analyte	**Construction Worker Screening Level[1]**	**Commercial/Industrial Screening Level[2]**										
Methyl Tert Butyl Ether	3,700	180	--	--	< 0.0016	< 0.0017	--	--	--	--	--	--
Methylene chloride	500	25	--	--	< 0.0081	< 0.0086	--	--	--	--	--	--
Naphthalene	350	14	--	--	< 0.0081	**0.011**	--	--	--	--	--	--
n-Butylbenzene	--	6,400[7]	--	--	< 0.00081	**0.0022**	--	--	--	--	--	--
n-Propylbenzene	--	24,000	--	--	< 0.0016	< 0.0017	--	--	--	--	--	--
o-Xylene	2,400	2,400	**1.1**	**0.58**	< 0.00081	**0.0024**	--	--	--	--	--	--
Styrene	29,000	40,000	--	--	< 0.00081	< 0.00086	--	--	--	--	--	--
t-Amyl Alcohol	--	340[4]	--	--	< 0.040	< 0.043	--	--	--	--	--	--
Tert-Amyl Methyl Ether (TAME)	--	--	--	--	< 0.00081	< 0.00086	--	--	--	--	--	--
Tert-Butyl Alcohol (tert-Butanol)	--	--	--	--	< 0.016	< 0.017	--	--	--	--	--	--
Tert-Butyl Ethyl Ether (ETBE)	--	--	--	--	< 0.00081	< 0.00086	--	--	--	--	--	--
tert-Butylbenzene	--	12,000[7]	--	--	< 0.00081	< 0.00086	--	--	--	--	--	--
Tetrachloroethene	33	2.7	--	--	< 0.00081	< 0.00086	--	--	--	--	--	--
Toluene	4,100	4,600	**0.86**	**0.28**	< 0.00081	< 0.00086	**0.012**	< 0.00033	< 0.00033	< 0.00034	**0.00036**	< 0.0017
trans-1,2-Dichloroethene	680	730	--	--	< 0.00081	< 0.00086	--	--	--	--	--	--
trans-1,3-Dichloropropene	--	8.2[4]	--	--	< 0.0016	< 0.0017	--	--	--	--	--	--
Trichloroethene	23	8	--	--	< 0.0016	< 0.0017	--	--	--	--	--	--
Trichlorofluoromethane (CFC-11)	--	5,400[7]	--	--	< 0.0081	< 0.0086	--	--	--	--	--	--
Trifluorotrichloroethane (Freon 113)	--	28,000[4]	--	--	< 0.0081	< 0.0086	--	--	--	--	--	--
Vinyl acetate	--	3,800[4]	--	--	< 0.0081	< 0.0086	--	--	--	--	--	--
Vinyl chloride	3.4	0.15	--	--	< 0.00081	< 0.00086	--	--	--	--	--	--
Xylene (total)	2,400	2,400	--	--	--	--	**0.01**	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0058
Inorganic Compounds												
Asbestos (%)	--	--	--	--	--	--	--	--	--	--	--	--
Total Cyanide (mg/kg)	--	--	--	--	--	--	< 1.1	< 1.1	**1.2**	< 1.1	< 1.1	**17**
Total phenols (mg/kg)	--	--	--	--	--	--	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	**0.88**

Notes
Volatile Organic Compounds (VOCs) analyzed by EPA Method 8260B
Semi-Volatile Organic Compounds (SVOCs) analyzed by EPA Method 8270 SIM
Metals analyzed by EPA Methods 6010B/7471A
Polychlorinated Biphenyls analyzed by EPA Method 8082
Total Petroleum Hydrocarbons analyzed by EPA Method 8015B
Total Cyanide analyzed by EPA Method 9014
Asbestos analyzed by CARB 435

Soil Screening Levels:
1. Environmental Screening Levels (ESLs), Table S-1: Direct Exposure soil Screening Levels, Commercial/Industrial Worker Exposure Scenario, Most Stringent (Water Board, February 2016).
2. Environmental Screening Levels (ESLs), Table S-1: Direct Exposure soil Screening Levels, Construction Worker Exposure Scenario, Most Stringent (Water Board, February 2016).
3. Arsenic concentrations are compared to the background threshold value of 12 mg/kg developed for the adjacent Station A Area (AMEC, 2011).
4. USEPA Regional Screening Level (RSL) for industrial soil endorsed by DTSC (USEPA, November 2017).
5. 0.9 mg/kg B(a)P WQ is the 95th perecentile of the northern California ambient data set for surface soil. The range of ambient concentrations in the northern California ambient data set is non-detect to 2.8 mg/kg.
6. Due to the lack of published screening criteria, the screening levels for acenaphthene and fluoranthene were selected to screen the results for benzo(g,h,i)perylene and phenanthrene, respectively, due to the similar chemical structure.
7. DTSC Modified screening level for industrial soil (DTSC, January 2018)

B(a)P EQ were calculated using potency equivalency factors from the DTSC Preliminary Endangerment Assessment Guidance Manual
BOLD = concentration detected above the laboratory reporting limi
Orange highlight = result exceeded the referenced Construction Worker Screening Level
Green highlight = result exceeded the referenced Commercial/Industrial Screening Level

Abbreviations:
< = analyte not detected above the indicated reporting limit.
J = estimated concentration.
R = rejected result
-- = not analyzed or not applicable.
mg/kg = milligrams per kilogram
ft bgs = feet below ground surface

TABLE 1
SUMMARY OF SOIL ANALYTICAL RESULTS
POTRERO POWER PLANT TANK FARM
SAN FRANCISCO, CALIFORNIA

		Location ID	**MW-POT-12**	**MW-POT-12**	TFSS-01	**PA-4**	**PA-5**	**S-1**	**S-1**	**S-1.5**	**S-2**	**S-2**
		Sample ID	MW-POT-12-10.5	MW-POT-12-15.5	TFSS-01	8605111-04	8605111-05	S-1-1	S-1-2	S-1.5-1	S-2-1	S-2-2
		Sample Date	02/26/1991	02/26/1991	12/08/2017	05/28/1986	05/28/1986	11/13/1989	11/13/1989	11/13/1989	11/13/1989	11/13/1989
		Sample Depth (feet bgs)	10.5	15.5	--	0.5	0.5	2.0	2.0	2.0	2.5	3.0
		Sample Type	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary
Analyte	**Construction Worker Screening Level[1]**	**Commercial/Industrial Screening Level[2]**										
Metals (mg/kg)												
Antimony	140	470	< 7	< 7.1	< 0.754	--	--	--	--	--	--	--
Arsenic	12[3]	12[3]	**4.9**	**2.8**	**4.09**	**8.4**	**4.8**	--	--	--	--	--
Barium	3,000	220,000	**590**	**320**	**231**	--	--	--	--	--	--	--
Beryllium	42	2,200	< 0.58	< 0.6	**0.584**	--	--	--	--	--	--	--
Cadmium	43	580	**8.7**	**5.3**	**0.504**	--	--	--	--	--	--	--
Chromium	530,000	1,800,000	**340**	**210**	**62**	--	--	--	--	--	--	--
Cobalt	28	350	**23**	**30**	**27.3**	--	--	--	--	--	--	--
Copper	14,000	47,000	**87**	**75**	**47.7**	--	--	--	--	--	--	--
Lead	160	320	**28**	**25**	**46.8**	**370**	**1,600**	--	--	--	--	--
Mercury	44	190	< 0.12	< 0.12	**1.82**	**0.55**	**0.15**	--	--	--	--	--
Molybdenum	1,800	5,800	< 4.6	< 4.8	< 0.251	--	--	--	--	--	--	--
Nickel	86	11,000	**220**	**210**	**79.5**	--	--	--	--	--	--	--
Selenium	1,700	5,800	< 23	< 24	< 0.754	--	--	--	--	--	--	--
Silver	1,800	5,800	< 1.2	< 1.2	< 0.251	--	--	--	--	--	--	--
Thallium	3.5	12	< 17	< 18	< 0.754	--	--	--	--	--	--	--
Vanadium	470	5,800	**130**	**93**	**75.8**	--	--	--	--	--	--	--
Zinc	110,000	350,000	**81**	**60**	**127**	--	--	--	--	--	--	--
Polychlorinated Biphenyls (mg/kg)												
Aroclor-1016 (PCB-1016)	5.6	1.0	--	--	--	--	--	--	--	--	--	--
Aroclor-1221 (PCB-1221)	5.6	1.0	--	--	--	--	--	--	--	--	--	--
Aroclor-1232 (PCB-1232)	5.6	1.0	--	--	--	--	--	--	--	--	--	--
Aroclor-1242 (PCB-1242)	5.6	1.0	--	--	--	--	--	--	--	--	--	--
Aroclor-1248 (PCB-1248)	5.6	1.0	--	--	--	--	--	--	--	--	--	--
Aroclor-1254 (PCB-1254)	5.6	1.0	--	--	--	--	--	--	--	--	--	--
Aroclor-1260 (PCB-1260)	5.6	1.0	--	--	--	--	--	--	--	--	--	--
Aroclor-1262 (PCB-1262)	5.6	1.0	--	--	--	--	--	--	--	--	--	--
Aroclor-1268 (PCB-1268)	5.6	1.0	--	--	--	--	--	--	--	--	--	--
Semi-Volatile Organic Compounds (mg/kg)												
1-Methylnaphthalene	--	--	--	--	< 0.010	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	350	47	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	1,100	3,500	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	7,100	23,000	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	710	2,300	--	--	--	--	--	--	--	--	--	--
2,6-Dichlorophenol	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	1,800	5,800	--	--	--	--	--	--	--	--	--	--
2-Methylnaphthalene	670	3,000	--	--	**0.013**	--	--	--	--	--	--	--
2-Methylphenol (o-Cresol)	--	41,000[4]	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	--	--	--	--	--	--	--	--	--	--	--	--
3&4-Methylphenol	--	--	--	--	--	--	--	--	--	--	--	--
3/4-Methylphenols (p/m-Cresol) A	--	41,000[4]	--	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	--	66[4]	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	--	--	--	--	--	--	--	--	--	--	--	--
Acenaphthene	10,000	45,000	< 0.58	< 0.6	< 0.010	**0.66**	**0.65**	--	--	< 0.2	--	--
Acenaphthylene	--	45,000[4]	**2.8**	**1.2**	**0.054**	**1**	**2.5**	--	--	< 1.2	--	--
Anthracene	50,000	230,000	**1.9**	**1.7**	**0.034**	**3.4**	**4.1**	--	--	< 0.08	--	--
Benzo(a)anthracene	16	2.9	**4.9**	**4.8**	**0.2**	**11**	**12**	--	--	**9.23**	--	--
Benzo(a)pyrene	1.6	0.29	**8.7**	**8.4**	**0.3**	**10**	**15**	--	--	**5.49**	--	--
Benzo(A)Pyrene Equivalent (1/2 RL substituted for ND)	0.9[5]	0.9[5]	**31.9**	**34.65**	**0.4**	**13.37**	**19.77**	--	--	**6.89**	--	--
Benzo(b)fluoranthene	16	2.9	**3.7**	**3.6**	**0.2**	**6.5**	**11**	--	--	**2.67**	--	--
Benzo(g,h,i)perylene	10,000[6]	45,000[6]	**9.1**	**9.2**	**0.26**	**7.8**	**14**	--	--	**3.95**	--	--
Benzo(k)fluoranthene	150	29	**3.8**	**3.6**	**0.17**	**4.2**	**5.8**	--	--	< 0.4	--	--
Chrysene	1,500	260	**4.6**	**4.5**	**0.25**	**11**	**13**	--	--	< 0.12	--	--
Dibenz(a,h)anthracene	1.6	0.29	**22**	**25**	**0.038**	**0.87**	**1.2**	--	--	< 0.4	--	--
Fluoranthene	6,700	30,000	**24**	**24**	**0.32**	**32**	**37**	--	--	**15**	--	--
Fluorene	6,700	30,000	**1.4**	**1.1**	< 0.010	**3.2**	**1.5**	--	--	< 0.2	--	--
Indeno(1,2,3-cd)pyrene	16	2.9	**3**	**3.7**	**0.17**	**7**	**12**	--	--	< 0.12	--	--
Naphthalene	350	14	< 0.58	< 0.6	**0.087**	**3.5**	**10**	--	--	< 1.2	--	--
Pentachlorophenol	20	4	--	--	--	--	--	--	--	--	--	--
Phenanthrene	6,700[6]	30,000[6]	**4.9**	**4.4**	**0.13**	**34**	**33**	--	--	**1.49**	--	--
Phenol	98,000	350,000	--	--	--	--	--	--	--	--	--	--
Pyrene	5,000	23,000	**23**	**25**	**0.62**	**44**	**53**	--	--	**13.7**	--	--

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POTRERO POWER PLANT TANK FARM
SAN FRANCISCO, CALIFORNIA

		Location ID	**MW-POT-12**	**MW-POT-12**	TFSS-01	**PA-4**	**PA-5**	**S-1**	**S-1**	**S-1.5**	**S-2**	**S-2**
		Sample ID	MW-POT-12-10.5	MW-POT-12-15.5	TFSS-01	8605111-04	8605111-05	S-1-1	S-1-2	S-1.5-1	S-2-1	S-2-2
		Sample Date	02/26/1991	02/26/1991	12/08/2017	05/28/1986	05/28/1986	11/13/1989	11/13/1989	11/13/1989	11/13/1989	11/13/1989
		Sample Depth (feet bgs)	10.5	15.5	--	0.5	0.5	2.0	2.0	2.0	2.5	3.0
		Sample Type	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary
Analyte	**Construction Worker Screening Level[1]**	**Commercial/Industrial Screening Level[2]**										
Total Petroleum Hydrocarbons (mg/kg)												
Diesel Range Organics	880	1,100	**9,500**	**260**	**65**	--	--	**30**	**205**	**186**	< 10	**13**
Gasoline Range Organics	2,800	3,900	**8,200**	**3,000**	--	--	--	< 10	< 10	< 10	< 10	< 10
Total Petroleum Hydrocarbons (C9-C40)	880	1,100	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons-Motor Oil	32,000	140,000	--	--	**140**	--	--	**22**	**220**	**2,260**	< 10	**22**
Volatile Organic Compounds (mg/kg)												
1,1,1,2-Tetrachloroethane	340	18	--	--	< 0.00080	--	--	--	--	--	--	--
1,1,1-Trichloroethane	8,800	8,900	--	--	< 0.00080	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	44	2.3	--	--	< 0.0016	--	--	--	--	--	--	--
1,1,2-Trichloroethane	5.2	4.2	--	--	< 0.00080	--	--	--	--	--	--	--
1,1-Dichloroethane	390	17	--	--	< 0.00080	--	--	--	--	--	--	--
1,1-Dichloroethene	390	400	--	--	< 0.00080	--	--	--	--	--	--	--
1,1-Dichloropropane	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	--	--	--	--	< 0.0016	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	--	310[7]	--	--	< 0.0016	--	--	--	--	--	--	--
1,2,3-Trichloropropane	--	0.021[7]	--	--	< 0.0016	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	310	110	--	--	< 0.0016	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	--	1,800[4]	--	--	< 0.0016	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane (DBCP)	1.3	0.072	--	--	< 0.0040	--	--	--	--	--	--	--
1,2-Dibromoethane (Ethylene Dibromide)	3.2	0.16	--	--	< 0.00080	--	--	--	--	--	--	--
1,2-Dichlorobenzene	8,500	11,000	< 0.0012	< 0.0012	< 0.00080	--	--	< 0.001	< 0.001	< 0.005	< 0.001	< 0.001
1,2-Dichloroethane	37	1.6	--	--	< 0.00080	--	--	--	--	--	--	--
1,2-Dichloropropane	58	3.9	--	--	< 0.00080	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	--	1,500[4]	--	--	< 0.0016	--	--	--	--	--	--	--
1,3-Dichlorobenzene	--	--	< 0.0012	< 0.0012	< 0.00080	--	--	< 0.001	< 0.001	< 0.005	< 0.001	< 0.001
1,3-Dichloropropane	--	2,200[7]	--	--	< 0.00080	--	--	--	--	--	--	--
1,3-Dichloropropene	29	1.2	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	310	13	< 0.0012	< 0.0012	< 0.00080	--	--	< 0.001	< 0.001	< 0.005	< 0.001	< 0.001
1-Methylethyl-benzene A	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	--	--	--	--	< 0.0040	--	--	--	--	--	--	--
2-Butanone (Methyl Ethyl Ketone)	--	190,000[4]	--	--	< 0.016	--	--	--	--	--	--	--
2-Chlorotoluene	--	2,600[7]	--	--	< 0.00080	--	--	--	--	--	--	--
2-Hexanone	--	1,300[4]	--	--	< 0.016	--	--	--	--	--	--	--
2-Phenylbutane (sec-Butylbenzene)	--	12,000[7]	--	--	< 0.00080	--	--	--	--	--	--	--
4-Chlorotoluene	--	2,300[7]	--	--	< 0.00080	--	--	--	--	--	--	--
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	--	140,000[4]	--	--	< 0.016	--	--	--	--	--	--	--
Acetone	260,000	630,000	--	--	**0.043**	--	--	--	--	--	--	--
Benzene	24	1	< 0.0012	< 0.0012	< 0.00080	--	--	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Bromobenzene	--	1,800[4]	--	--	< 0.00080	--	--	--	--	--	--	--
Bromodichloromethane	47	2.3	--	--	< 0.00080	--	--	--	--	--	--	--
Bromoform	2,200	300	--	--	< 0.0040	--	--	--	--	--	--	--
Bromomethane (Methyl Bromide)	34	36	--	--	< 0.016	--	--	--	--	--	--	--
Carbon disulfide	--	3,500[4]	--	--	< 0.0080	--	--	--	--	--	--	--
Carbon tetrachloride	13	0.54	--	--	< 0.00080	--	--	--	--	--	--	--
Chlorobenzene	1,100	1,200	< 0.0012	< 0.0012	< 0.00080	--	--	< 0.001	< 0.001	< 0.005	< 0.001	< 0.001
Chlorobromomethane	--	630[4]	--	--	< 0.0016	--	--	--	--	--	--	--
Chloroethane	53,000	53,000	--	--	< 0.0016	--	--	--	--	--	--	--
Chloroform (Trichloromethane)	32	1.3	--	--	< 0.00080	--	--	--	--	--	--	--
Chloromethane (Methyl Chloride)	430	430	--	--	< 0.016	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	82	90	--	--	< 0.00080	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	--	8.2[4]	--	--	< 0.00080	--	--	--	--	--	--	--
Cyclohexanone	--	130,000[4]	--	--	< 0.040	--	--	--	--	--	--	--
Cymene (p-Isopropyltoluene)	--	--	--	--	< 0.00080	--	--	--	--	--	--	--
Dibromochloromethane	290	39	--	--	< 0.0016	--	--	--	--	--	--	--
Dibromomethane	--	99[4]	--	--	< 0.00080	--	--	--	--	--	--	--
Dichlorodifluoromethane (CFC-12)	--	370[4]	--	--	< 0.0016	--	--	--	--	--	--	--
Diisopropyl ether (DIPE)	--	9,400[4]	--	--	< 0.00080	--	--	--	--	--	--	--
Ethanol	--	--	--	--	< 0.40	--	--	--	--	--	--	--
Ethylbenzene	480	22	**0.016**	< 0.0012	< 0.00080	--	--	< 0.001	< 0.001	**0.062**	< 0.001	< 0.001
Hexachlorobutadiene	310	42	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene (Cumene)	--	9,900[4]	--	--	< 0.00080	--	--	--	--	--	--	--
m,p-Xylenes	2,400	2,400	--	--	< 0.0016	--	--	--	--	--	--	--

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SAN FRANCISCO, CALIFORNIA

		Location ID	**MW-POT-12**	**MW-POT-12**	TFSS-01	**PA-4**	**PA-5**	**S-1**	**S-1**	**S-1.5**	**S-2**	**S-2**
		Sample ID	MW-POT-12-10.5	MW-POT-12-15.5	TFSS-01	8605111-04	8605111-05	S-1-1	S-1-2	S-1.5-1	S-2-1	S-2-2
		Sample Date	02/26/1991	02/26/1991	12/08/2017	05/28/1986	05/28/1986	11/13/1989	11/13/1989	11/13/1989	11/13/1989	11/13/1989
		Sample Depth (feet bgs)	10.5	15.5	--	0.5	0.5	2.0	2.0	2.0	2.5	3.0
		Sample Type	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary
Analyte	**Construction Worker Screening Level[1]**	**Commercial/Industrial Screening Level[2]**										
Methyl Tert Butyl Ether	3,700	180	--	--	< 0.0016	--	--	--	--	--	--	--
Methylene chloride	500	25	--	--	< 0.0080	--	--	--	--	--	--	--
Naphthalene	350	14	--	--	< 0.0080	--	--	--	--	--	--	--
n-Butylbenzene	--	6,400[7]	--	--	< 0.00080	--	--	--	--	--	--	--
n-Propylbenzene	--	24,000	--	--	< 0.0016	--	--	--	--	--	--	--
o-Xylene	2,400	2,400	--	--	< 0.00080	--	--	--	--	--	--	--
Styrene	29,000	40,000	--	--	< 0.00080	--	--	--	--	--	--	--
t-Amyl Alcohol	--	340[4]	--	--	< 0.040	--	--	--	--	--	--	--
Tert-Amyl Methyl Ether (TAME)	--	--	--	--	< 0.00080	--	--	--	--	--	--	--
Tert-Butyl Alcohol (tert-Butanol)	--	--	--	--	< 0.016	--	--	--	--	--	--	--
Tert-Butyl Ethyl Ether (ETBE)	--	--	--	--	< 0.00080	--	--	--	--	--	--	--
tert-Butylbenzene	--	12,000[7]	--	--	< 0.00080	--	--	--	--	--	--	--
Tetrachloroethene	33	2.7	--	--	< 0.00080	--	--	--	--	--	--	--
Toluene	4,100	4,600	< 0.0012	< 0.0012	< 0.00080	--	--	**0.005**	**0.01**	**0.051**	**0.01**	**0.015**
trans-1,2-Dichloroethene	680	730	--	--	< 0.00080	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	--	8.2[4]	--	--	< 0.0016	--	--	--	--	--	--	--
Trichloroethene	23	8	--	--	< 0.0016	--	--	--	--	--	--	--
Trichlorofluoromethane (CFC-11)	--	5,400[7]	--	--	< 0.0080	--	--	--	--	--	--	--
Trifluorotrichloroethane (Freon 113)	--	28,000[4]	--	--	< 0.0080	--	--	--	--	--	--	--
Vinyl acetate	--	3,800[4]	--	--	< 0.0080	--	--	--	--	--	--	--
Vinyl chloride	3.4	0.15	--	--	< 0.00080	--	--	--	--	--	--	--
Xylene (total)	2,400	2,400	**0.019**	< 0.0012	--	--	--	< 0.001	**0.011**	**0.266**	< 0.001	< 0.001
Inorganic Compounds												
Asbestos (%)	--	--	--	--	--	--	--	--	--	--	--	--
Total Cyanide (mg/kg)	--	--	**2.4**	**2**	--	< 1	**6**	--	--	--	--	--
Total phenols (mg/kg)	--	--	**0.61**	< 0.5	--	--	--	--	--	--	--	--

Notes
Volatile Organic Compounds (VOCs) analyzed by EPA Method 8260B
Semi-Volatile Organic Compounds (SVOCs) analyzed by EPA Method 8270 SIM
Metals analyzed by EPA Methods 6010B/7471A
Polychlorinated Biphenyls analyzed by EPA Method 8082
Total Petroleum Hydrocarbons analyzed by EPA Method 8015B
Total Cyanide analyzed by EPA Method 9014
Asbestos analyzed by CARB 435

Soil Screening Levels:
1. Environmental Screening Levels (ESLs), Table S-1: Direct Exposure soil Screening Levels, Commercial/Industrial Worker Exposure Scenario, Most Stringent (Water Board, February 2016).
2. Environmental Screening Levels (ESLs), Table S-1: Direct Exposure soil Screening Levels, Construction Worker Exposure Scenario, Most Stringent (Water Board, February 2016).
3. Arsenic concentrations are compared to the background threshold value of 12 mg/kg developed for the adjacent Station A Area (AMEC, 2011).
4. USEPA Regional Screening Level (RSL) for industrial soil endorsed by DTSC (USEPA, November 2017).
5. 0.9 mg/kg B(a)P WQ is the 95th perecentile of the northern California ambient data set for surface soil. The range of ambient concentrations in the northern California ambient data set is non-detect to 2.8 mg/kg.
6. Due to the lack of published screening criteria, the screening levels for acenaphthene and fluoranthene were selected to screen the results for benzo(g,h,i)perylene and phenanthrene, respectively, due to the similar chemical structure.
7. DTSC Modified screening level for industrial soil (DTSC, January 2018)

B(a)P EQ were calculated using potency equivalency factors from the DTSC Preliminary Endangerment Assessment Guidance Manual
BOLD = concentration detected above the laboratory reporting limi
Orange highlight = result exceeded the referenced Construction Worker Screening Level
Green highlight = result exceeded the referenced Commercial/Industrial Screening Level

Abbreviations:
< = analyte not detected above the indicated reporting limit.
J = estimated concentration.
R = rejected result
-- = not analyzed or not applicable.
mg/kg = milligrams per kilogram
ft bgs = feet below ground surface

TABLE 1
SUMMARY OF SOIL ANALYTICAL RESULTS
POTRERO POWER PLANT TANK FARM
SAN FRANCISCO, CALIFORNIA

		Location ID	**S-2**	**S-2**	**S-3**	**S-3**	**S-3**	**S-3**	**SS-POT-2**	**SS-POT-4**	**TB3-001**	**TB3-001**
		Sample ID	S-2-3	S-2-4	S-3-1	S-3-2	S-3-3	S-3-4	SS-POT-2	SS-POT-4	TB3-001@0-1	TB3-001@5-6
		Sample Date	11/13/1989	11/13/1989	11/13/1989	11/13/1989	11/13/1989	11/13/1989	02/27/1991	02/27/1991	11/25/1997	11/25/1997
		Sample Depth (feet bgs)	5.0	10.0	3.0	5.0	7.0	8.0	0.5	0.5	1.0	6.0
		Sample Type	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary
Analyte	**Construction Worker Screening Level[1]**	**Commercial/Industrial Screening Level[2]**										
Metals (mg/kg)												
Antimony	140	470	--	--	--	--	--	--	< 7.2	< 6.4	< 6	< 6
Arsenic	12[3]	12[3]	--	--	--	--	--	--	**6.8**	**2.9**	**2.3**	< 0.5
Barium	3,000	220,000	--	--	--	--	--	--	**200**	**440**	**169 J**	**47.4 J**
Beryllium	42	2,200	--	--	--	--	--	--	< 0.6	< 0.53	< 0.5	< 0.5
Cadmium	43	580	--	--	--	--	--	--	**8.5**	**2.6**	< 2	< 2
Chromium	530,000	1,800,000	--	--	--	--	--	--	**610**	**19**	**9.8**	**132**
Cobalt	28	350	--	--	--	--	--	--	**53**	**4**	**6.08**	**23.6**
Copper	14,000	47,000	--	--	--	--	--	--	**49**	**17**	**7.47 J**	**50.4 J**
Lead	160	320	--	--	--	--	--	--	**1,600**	**14**	**2.84**	**0.74**
Mercury	44	190	--	--	--	--	--	--	**0.53**	**0.29**	< 0.05	< 0.05
Molybdenum	1,800	5,800	--	--	--	--	--	--	< 1.2	< 1.1	< 10	< 10
Nickel	86	11,000	--	--	--	--	--	--	**1,000**	**18**	**7.24**	**208**
Selenium	1,700	5,800	--	--	--	--	--	--	< 24	< 21	< 1	< 1
Silver	1,800	5,800	--	--	--	--	--	--	< 1.2	< 1.1	< 2	< 2
Thallium	3.5	12	--	--	--	--	--	--	< 18	< 16	< 1	< 1
Vanadium	470	5,800	--	--	--	--	--	--	**48**	**34**	**33.1 J**	**107 J**
Zinc	110,000	350,000	--	--	--	--	--	--	**720**	**72**	**65.7 J**	**68.9 J**
Polychlorinated Biphenyls (mg/kg)												
Aroclor-1016 (PCB-1016)	5.6	1.0	--	--	--	--	--	--	< 0.24	< 0.021	< 0.05	< 0.05
Aroclor-1221 (PCB-1221)	5.6	1.0	--	--	--	--	--	--	< 0.24	< 0.021	< 0.05	< 0.05
Aroclor-1232 (PCB-1232)	5.6	1.0	--	--	--	--	--	--	< 0.24	< 0.021	< 0.05	< 0.05
Aroclor-1242 (PCB-1242)	5.6	1.0	--	--	--	--	--	--	< 0.24	< 0.021	< 0.05	< 0.05
Aroclor-1248 (PCB-1248)	5.6	1.0	--	--	--	--	--	--	< 0.24	< 0.021	< 0.05	< 0.05
Aroclor-1254 (PCB-1254)	5.6	1.0	--	--	--	--	--	--	< 0.24	< 0.021	< 0.05	< 0.05
Aroclor-1260 (PCB-1260)	5.6	1.0	--	--	--	--	--	--	**1.1**	< 0.021	< 0.05	< 0.05
Aroclor-1262 (PCB-1262)	5.6	1.0	--	--	--	--	--	--	--	--	--	--
Aroclor-1268 (PCB-1268)	5.6	1.0	--	--	--	--	--	--	--	--	--	--
Semi-Volatile Organic Compounds (mg/kg)												
1-Methylnaphthalene	--	--	--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	350	47	--	--	--	--	--	--	--	--	< 0.33	< 0.33
2,4-Dichlorophenol	1,100	3,500	--	--	--	--	--	--	--	--	< 0.33	< 0.33
2,4-Dimethylphenol	7,100	23,000	--	--	--	--	--	--	--	--	< 0.33	< 0.33
2,4-Dinitrophenol	710	2,300	--	--	--	--	--	--	--	--	< 1.6	< 1.6
2,6-Dichlorophenol	--	--	--	--	--	--	--	--	--	--	< 0.33	< 0.33
2-Chlorophenol	1,800	5,800	--	--	--	--	--	--	--	--	< 0.33	< 0.33
2-Methylnaphthalene	670	3,000	--	--	--	--	--	--	--	--	--	--
2-Methylphenol (o-Cresol)	--	41,000[4]	--	--	--	--	--	--	--	--	< 0.33	< 0.33
2-Nitrophenol	--	--	--	--	--	--	--	--	--	--	< 0.33	< 0.33
3&4-Methylphenol	--	--	--	--	--	--	--	--	--	--	< 0.33	< 0.33
3/4-Methylphenols (p/m-Cresol) A	--	41,000[4]	--	--	--	--	--	--	--	--	< 0.66	< 0.66
4,6-Dinitro-2-methylphenol	--	66[4]	--	--	--	--	--	--	--	--	< 1.6	< 1.6
4-Nitrophenol	--	--	--	--	--	--	--	--	--	--	< 1.6	< 1.6
Acenaphthene	10,000	45,000	< 0.1	--	--	--	**1.9**	--	**38**	< 0.53	< 0.1	< 0.1
Acenaphthylene	--	45,000[4]	< 0.6	--	--	--	< 3	--	**26**	< 0.53	< 0.2	< 0.2
Anthracene	50,000	230,000	< 0.04	--	--	--	**0.58**	--	**4.4**	< 0.053	< 0.1	< 0.1
Benzo(a)anthracene	16	2.9	< 0.06	--	--	--	**28.8**	--	**13**	< 0.053	< 0.1	< 0.1
Benzo(a)pyrene	1.6	0.29	< 0.1	--	--	--	**14.5**	--	**13**	< 0.053	< 0.05	< 0.05
Benzo(A)Pyrene Equivalent (1/2 RL substituted for ND)	0.9[5]	0.9[5]	**0.16**	--	--	--	**18.84**	--	**33.2**	**0.1**	**0.06**	**0.06**
Benzo(b)fluoranthene	16	2.9	< 0.06	--	--	--	**9.6**	--	**11**	< 0.053	< 0.1	< 0.1
Benzo(g,h,i)perylene	10,000[6]	45,000[6]	< 0.06	--	--	--	**7.3**	--	**11**	< 0.13	< 0.1	< 0.1
Benzo(k)fluoranthene	150	29	< 0.2	--	--	--	--	--	**7.1**	< 0.053	< 0.1	< 0.1
Chrysene	1,500	260	< 0.06	--	--	--	< 0.3	--	**14**	< 0.053	< 0.1	< 0.1
Dibenz(a,h)anthracene	1.6	0.29	< 0.2	--	--	--	< 1	--	**17**	< 0.13	< 0.05	< 0.05
Fluoranthene	6,700	30,000	< 0.2	--	--	--	**57.9**	--	**38**	< 0.13	< 0.1	< 0.1
Fluorene	6,700	30,000	**3.92**	--	--	--	**35.6**	--	**6.9**	< 0.053	< 0.1	< 0.1
Indeno(1,2,3-cd)pyrene	16	2.9	< 0.06	--	--	--	--	--	**7.1**	< 0.053	< 0.06	< 0.06
Naphthalene	350	14	< 0.6	--	--	--	**15.3**	--	**25**	< 0.53	< 0.2	< 0.2
Pentachlorophenol	20	4	--	--	--	--	--	--	--	--	< 1.6	< 1.6
Phenanthrene	6,700[6]	30,000[6]	**0.88**	--	--	--	**5.3**	--	**18**	< 0.053	< 0.1	< 0.1
Phenol	98,000	350,000	--	--	--	--	--	--	--	--	< 0.33	< 0.33
Pyrene	5,000	23,000	< 0.2	--	--	--	**27.7**	--	**76**	< 0.13	< 0.1	< 0.1

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SAN FRANCISCO, CALIFORNIA

		Location ID	**S-2**	**S-2**	**S-3**	**S-3**	**S-3**	**S-3**	**SS-POT-2**	**SS-POT-4**	**TB3-001**	**TB3-001**
		Sample ID	S-2-3	S-2-4	S-3-1	S-3-2	S-3-3	S-3-4	SS-POT-2	SS-POT-4	TB3-001@0-1	TB3-001@5-6
		Sample Date	11/13/1989	11/13/1989	11/13/1989	11/13/1989	11/13/1989	11/13/1989	02/27/1991	02/27/1991	11/25/1997	11/25/1997
		Sample Depth (feet bgs)	5.0	10.0	3.0	5.0	7.0	8.0	0.5	0.5	1.0	6.0
		Sample Type	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary
Analyte	**Construction Worker Screening Level[1]**	**Commercial/Industrial Screening Level[2]**										
Total Petroleum Hydrocarbons (mg/kg)												
Diesel Range Organics	880	1,100	**1,870**	**10**	< 10	**21**	**456**	**218**	< 10	< 10	--	--
Gasoline Range Organics	2,800	3,900	< 10	< 10	< 10	< 10	< 10	< 10	< 10	**31**	--	--
Total Petroleum Hydrocarbons (C9-C40)	880	1,100	--	--	--	--	--	--	--	--	< 10	< 10
Total Petroleum Hydrocarbons-Motor Oil	32,000	140,000	< 10	**162**	**80**	< 10	**220**	**84**	--	--	--	--
Volatile Organic Compounds (mg/kg)												
1,1,1,2-Tetrachloroethane	340	18	--	--	--	--	--	--	--	--	< 0.005	< 0.005
1,1,1-Trichloroethane	8,800	8,900	--	--	--	--	--	--	--	--	< 0.005	< 0.005
1,1,2,2-Tetrachloroethane	44	2.3	--	--	--	--	--	--	--	--	< 0.005	< 0.005
1,1,2-Trichloroethane	5.2	4.2	--	--	--	--	--	--	--	--	< 0.005	< 0.005
1,1-Dichloroethane	390	17	--	--	--	--	--	--	--	--	< 0.005	< 0.005
1,1-Dichloroethene	390	400	--	--	--	--	--	--	--	--	< 0.005	< 0.005
1,1-Dichloropropane	--	--	--	--	--	--	--	--	--	--	< 0.005	< 0.005
1,1-Dichloropropene	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	--	310[7]	--	--	--	--	--	--	--	--	< 0.005	< 0.005
1,2,3-Trichloropropane	--	0.021[7]	--	--	--	--	--	--	--	--	< 0.005	< 0.005
1,2,4-Trichlorobenzene	310	110	--	--	--	--	--	--	--	--	< 0.005	< 0.005
1,2,4-Trimethylbenzene	--	1,800[4]	--	--	--	--	--	--	--	--	< 0.005	< 0.005
1,2-Dibromo-3-chloropropane (DBCP)	1.3	0.072	--	--	--	--	--	--	--	--	< 0.005	< 0.005
1,2-Dibromoethane (Ethylene Dibromide)	3.2	0.16	--	--	--	--	--	--	--	--	< 0.005	< 0.005
1,2-Dichlorobenzene	8,500	11,000	< 0.01	< 0.001	< 0.001	< 0.001	< 0.005	< 0.01	--	--	< 0.01	< 0.01
1,2-Dichloroethane	37	1.6	--	--	--	--	--	--	--	--	< 0.005	< 0.005
1,2-Dichloropropane	58	3.9	--	--	--	--	--	--	--	--	< 0.005	< 0.005
1,3,5-Trimethylbenzene	--	1,500[4]	--	--	--	--	--	--	--	--	< 0.005	< 0.005
1,3-Dichlorobenzene	--	--	< 0.01	< 0.001	< 0.001	< 0.001	< 0.005	< 0.01	--	--	< 0.01	< 0.01
1,3-Dichloropropane	--	2,200[7]	--	--	--	--	--	--	--	--	--	--
1,3-Dichloropropene	29	1.2	--	--	--	--	--	--	--	--	< 0.005	< 0.005
1,4-Dichlorobenzene	310	13	< 0.01	< 0.001	< 0.001	< 0.001	< 0.005	< 0.01	--	--	< 0.01	< 0.01
1-Methylethyl-benzene A	--	--	--	--	--	--	--	--	--	--	< 0.005	< 0.005
2,2-Dichloropropane	--	--	--	--	--	--	--	--	--	--	< 0.005	< 0.005
2-Butanone (Methyl Ethyl Ketone)	--	190,000[4]	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	--	2,600[7]	--	--	--	--	--	--	--	--	< 0.005	< 0.005
2-Hexanone	--	1,300[4]	--	--	--	--	--	--	--	--	--	--
2-Phenylbutane (sec-Butylbenzene)	--	12,000[7]	--	--	--	--	--	--	--	--	< 0.005	< 0.005
4-Chlorotoluene	--	2,300[7]	--	--	--	--	--	--	--	--	< 0.005	< 0.005
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	--	140,000[4]	--	--	--	--	--	--	--	--	--	--
Acetone	260,000	630,000	--	--	--	--	--	--	--	--	--	--
Benzene	24	1	< 0.01	< 0.001	< 0.001	< 0.001	< 0.005	< 0.01	--	--	< 0.005	< 0.005
Bromobenzene	--	1,800[4]	--	--	--	--	--	--	--	--	< 0.005	< 0.005
Bromodichloromethane	47	2.3	--	--	--	--	--	--	--	--	< 0.005	< 0.005
Bromoform	2,200	300	--	--	--	--	--	--	--	--	< 0.005	< 0.005
Bromomethane (Methyl Bromide)	34	36	--	--	--	--	--	--	--	--	< 0.01	< 0.01
Carbon disulfide	--	3,500[4]	--	--	--	--	--	--	--	--	--	--
Carbon tetrachloride	13	0.54	--	--	--	--	--	--	--	--	< 0.005	< 0.005
Chlorobenzene	1,100	1,200	< 0.01	< 0.001	< 0.001	< 0.001	< 0.005	< 0.01	--	--	< 0.005	< 0.005
Chlorobromomethane	--	630[4]	--	--	--	--	--	--	--	--	< 0.005	< 0.005
Chloroethane	53,000	53,000	--	--	--	--	--	--	--	--	< 0.01	< 0.01
Chloroform (Trichloromethane)	32	1.3	--	--	--	--	--	--	--	--	< 0.005	< 0.005
Chloromethane (Methyl Chloride)	430	430	--	--	--	--	--	--	--	--	< 0.01	< 0.01
cis-1,2-Dichloroethene	82	90	--	--	--	--	--	--	--	--	< 0.005	< 0.005
cis-1,3-Dichloropropene	--	8.2[4]	--	--	--	--	--	--	--	--	--	--
Cyclohexanone	--	130,000[4]	--	--	--	--	--	--	--	--	--	--
Cymene (p-Isopropyltoluene)	--	--	--	--	--	--	--	--	--	--	< 0.005	< 0.005
Dibromochloromethane	290	39	--	--	--	--	--	--	--	--	< 0.005	< 0.005
Dibromomethane	--	99[4]	--	--	--	--	--	--	--	--	< 0.005	< 0.005
Dichlorodifluoromethane (CFC-12)	--	370[4]	--	--	--	--	--	--	--	--	< 0.01	< 0.01
Diisopropyl ether (DIPE)	--	9,400[4]	--	--	--	--	--	--	--	--	--	--
Ethanol	--	--	--	--	--	--	--	--	--	--	--	--
Ethylbenzene	480	22	**0.054**	**0.012**	**0.012**	**0.007**	< 0.005	**0.069**	--	--	< 0.005	< 0.005
Hexachlorobutadiene	310	42	--	--	--	--	--	--	--	--	< 0.005	< 0.005
Isopropylbenzene (Cumene)	--	9,900[4]	--	--	--	--	--	--	--	--	--	--
m,p-Xylenes	2,400	2,400	--	--	--	--	--	--	--	--	< 0.005	< 0.005

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		Location ID	**S-2**	**S-2**	**S-3**	**S-3**	**S-3**	**S-3**	**SS-POT-2**	**SS-POT-4**	**TB3-001**	**TB3-001**
		Sample ID	S-2-3	S-2-4	S-3-1	S-3-2	S-3-3	S-3-4	SS-POT-2	SS-POT-4	TB3-001@0-1	TB3-001@5-6
		Sample Date	11/13/1989	11/13/1989	11/13/1989	11/13/1989	11/13/1989	11/13/1989	02/27/1991	02/27/1991	11/25/1997	11/25/1997
		Sample Depth (feet bgs)	5.0	10.0	3.0	5.0	7.0	8.0	0.5	0.5	1.0	6.0
		Sample Type	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary
Analyte	**Construction Worker Screening Level[1]**	**Commercial/Industrial Screening Level[2]**										
Methyl Tert Butyl Ether	3,700	180	--	--	--	--	--	--	--	--	--	--
Methylene chloride	500	25	--	--	--	--	--	--	--	--	< 0.01	< 0.01
Naphthalene	350	14	--	--	--	--	--	--	--	--	< 0.005	< 0.005
n-Butylbenzene	--	6,400[7]	--	--	--	--	--	--	--	--	< 0.005	< 0.005
n-Propylbenzene	--	24,000	--	--	--	--	--	--	--	--	< 0.005	< 0.005
o-Xylene	2,400	2,400	--	--	--	--	--	--	--	--	< 0.005	< 0.005
Styrene	29,000	40,000	--	--	--	--	--	--	--	--	< 0.005	< 0.005
t-Amyl Alcohol	--	340[4]	--	--	--	--	--	--	--	--	--	--
Tert-Amyl Methyl Ether (TAME)	--	--	--	--	--	--	--	--	--	--	--	--
Tert-Butyl Alcohol (tert-Butanol)	--	--	--	--	--	--	--	--	--	--	--	--
Tert-Butyl Ethyl Ether (ETBE)	--	--	--	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	--	12,000[7]	--	--	--	--	--	--	--	--	< 0.005	< 0.005
Tetrachloroethene	33	2.7	--	--	--	--	--	--	--	--	< 0.005	< 0.005
Toluene	4,100	4,600	**0.066**	**0.032**	**0.026**	**0.023**	**0.024**	**0.067**	--	--	< 0.005	< 0.005
trans-1,2-Dichloroethene	680	730	--	--	--	--	--	--	--	--	< 0.005	< 0.005
trans-1,3-Dichloropropene	--	8.2[4]	--	--	--	--	--	--	--	--	--	--
Trichloroethene	23	8	--	--	--	--	--	--	--	--	< 0.005	< 0.005
Trichlorofluoromethane (CFC-11)	--	5,400[7]	--	--	--	--	--	--	--	--	< 0.005	< 0.005
Trifluorotrichloroethane (Freon 113)	--	28,000[4]	--	--	--	--	--	--	--	--	--	--
Vinyl acetate	--	3,800[4]	--	--	--	--	--	--	--	--	--	--
Vinyl chloride	3.4	0.15	--	--	--	--	--	--	--	--	< 0.002	< 0.002
Xylene (total)	2,400	2,400	**0.368**	**0.051**	**0.053**	**0.018**	**0.075**	**0.274**	--	--	--	--
Inorganic Compounds												
Asbestos (%)	--	--	--	--	--	--	--	--	--	--	< 1	< 1
Total Cyanide (mg/kg)	--	--	--	--	--	--	--	--	**14**	< 1.1	< 0.5	< 0.5
Total phenols (mg/kg)	--	--	--	--	--	--	--	--	< 0.5	< 0.5	--	--

Notes
Volatile Organic Compounds (VOCs) analyzed by EPA Method 8260B
Semi-Volatile Organic Compounds (SVOCs) analyzed by EPA Method 8270 SIM
Metals analyzed by EPA Methods 6010B/7471A
Polychlorinated Biphenyls analyzed by EPA Method 8082
Total Petroleum Hydrocarbons analyzed by EPA Method 8015B
Total Cyanide analyzed by EPA Method 9014
Asbestos analyzed by CARB 435

Soil Screening Levels:
1. Environmental Screening Levels (ESLs), Table S-1: Direct Exposure soil Screening Levels, Commercial/Industrial Worker Exposure Scenario, Most Stringent (Water Board, February 2016).
2. Environmental Screening Levels (ESLs), Table S-1: Direct Exposure soil Screening Levels, Construction Worker Exposure Scenario, Most Stringent (Water Board, February 2016).
3. Arsenic concentrations are compared to the background threshold value of 12 mg/kg developed for the adjacent Station A Area (AMEC, 2011).
4. USEPA Regional Screening Level (RSL) for industrial soil endorsed by DTSC (USEPA, November 2017).
5. 0.9 mg/kg B(a)P WQ is the 95th perecentile of the northern California ambient data set for surface soil. The range of ambient concentrations in the northern California ambient data set is non-detect to 2.8 mg/kg.
6. Due to the lack of published screening criteria, the screening levels for acenaphthene and fluoranthene were selected to screen the results for benzo(g,h,i)perylene and phenanthrene, respectively, due to the similar chemical structure.
7. DTSC Modified screening level for industrial soil (DTSC, January 2018)

B(a)P EQ were calculated using potency equivalency factors from the DTSC Preliminary Endangerment Assessment Guidance Manual
BOLD = concentration detected above the laboratory reporting limi
Orange highlight = result exceeded the referenced Construction Worker Screening Level
Green highlight = result exceeded the referenced Commercial/Industrial Screening Level

Abbreviations:
< = analyte not detected above the indicated reporting limit.
J = estimated concentration.
R = rejected result
-- = not analyzed or not applicable.
mg/kg = milligrams per kilogram
ft bgs = feet below ground surface

TABLE 1
SUMMARY OF SOIL ANALYTICAL RESULTS
POTRERO POWER PLANT TANK FARM
SAN FRANCISCO, CALIFORNIA

		Location ID	**TB3-002**	**TB3-002**	**TB3-002**	**TB3-002**	**TB3-003**	**TB3-003**	**TB3-003**	**TB3-007**	**TB3-007**
		Sample ID	TB3-002@0-1	TB3-002@0-1D	TB3-002@6-7	TB3-002@18-19	TB3-003@0-1	TB3-003@5-6	TB3-003@09-10	TB3-007@0-1	TB3-007@6-8
		Sample Date	11/24/1997	11/24/1997	11/24/1997	11/24/1997	11/24/1997	11/24/1997	11/24/1997	11/24/1997	11/24/1997
		Sample Depth (feet bgs)	1.0	1.0	7.0	19.0	1.0	6.0	10.0	1.0	8.0
		Sample Type	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary
Analyte	**Construction Worker Screening Level[1]**	**Commercial/Industrial Screening Level[2]**									
Metals (mg/kg)											
Antimony	140	470	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6
Arsenic	12[3]	12[3]	**2 J**	**1.3 J**	**0.7 J**	**0.8 J**	**3.8**	**5.7**	**4.2**	**5.9**	**1.4**
Barium	3,000	220,000	**211**	**254**	**241**	**683**	**182**	**133 J**	**121 J**	**141 J**	**80.1**
Beryllium	42	2,200	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Cadmium	43	580	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Chromium	530,000	1,800,000	**125**	**105**	**88.6**	**19.6**	**72.1**	**198**	**20**	**31.4**	**7.46**
Cobalt	28	350	**19.1**	**18.9**	**20.5**	**23.2**	**15.5**	**20**	**6.3**	**8.23**	**7.08**
Copper	14,000	47,000	**38.3**	**45.7**	**102**	**53.2**	**35.8**	**32.5**	**19.5**	**15.7**	**6.4**
Lead	160	320	**21.6 J**	**17.1 J**	< 0.4	**0.98 J**	**32**	**92.3 J**	**2.83 J**	**9.94 J**	**3.82**
Mercury	44	190	**0.134 J**	**0.082 J**	< 0.05	< 0.05	**0.441**	< 0.05	< 0.05	**0.361 J**	< 0.05
Molybdenum	1,800	5,800	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Nickel	86	11,000	**214 J**	**112 J**	**35.9 J**	**25.7 J**	**136**	**349**	**20.6**	**34.8**	**22.3**
Selenium	1,700	5,800	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Silver	1,800	5,800	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Thallium	3.5	12	< 1	< 1	< 1	< 4	< 1	< 1	< 1	< 1	< 1
Vanadium	470	5,800	**54**	**60.9**	**57.2**	**116**	**55.8**	**32.1**	**29**	**33.4**	**18.5**
Zinc	110,000	350,000	**83.9**	**80.2**	**58.7**	**67**	**69.7**	**51.4**	**24.8**	**271**	**26.3**
Polychlorinated Biphenyls (mg/kg)											
Aroclor-1016 (PCB-1016)	5.6	1.0	< 0.05	< 0.05	< 0.05	--	< 0.05	< 0.05	--	< 0.05	< 0.05
Aroclor-1221 (PCB-1221)	5.6	1.0	< 0.05	< 0.05	< 0.05	--	< 0.05	< 0.05	--	< 0.05	< 0.05
Aroclor-1232 (PCB-1232)	5.6	1.0	< 0.05	< 0.05	< 0.05	--	< 0.05	< 0.05	--	< 0.05	< 0.05
Aroclor-1242 (PCB-1242)	5.6	1.0	< 0.05	< 0.05	< 0.05	--	< 0.05	< 0.05	--	< 0.05	< 0.05
Aroclor-1248 (PCB-1248)	5.6	1.0	< 0.05	< 0.05	< 0.05	--	< 0.05	< 0.05	--	< 0.05	< 0.05
Aroclor-1254 (PCB-1254)	5.6	1.0	< 0.05	< 0.05	< 0.05	--	< 0.05	< 0.05	--	< 0.05	< 0.05
Aroclor-1260 (PCB-1260)	5.6	1.0	< 0.05	< 0.05	< 0.05	--	< 0.05	< 0.05	--	< 0.05	< 0.05
Aroclor-1262 (PCB-1262)	5.6	1.0	--	--	--	--	--	--	--	--	--
Aroclor-1268 (PCB-1268)	5.6	1.0	--	--	--	--	--	--	--	--	--
Semi-Volatile Organic Compounds (mg/kg)											
1-Methylnaphthalene	--	--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	350	47	< 3.3	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.32
2,4-Dichlorophenol	1,100	3,500	< 3.3	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.32
2,4-Dimethylphenol	7,100	23,000	< 3.3	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.32
2,4-Dinitrophenol	710	2,300	< 16	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6
2,6-Dichlorophenol	--	--	< 3.3	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.32
2-Chlorophenol	1,800	5,800	< 3.3	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.32
2-Methylnaphthalene	670	3,000	--	--	--	--	--	--	--	--	--
2-Methylphenol (o-Cresol)	--	41,000[4]	< 3.3	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.32
2-Nitrophenol	--	--	< 3.3	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.32
3&4-Methylphenol	--	--	< 3.3	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.32
3/4-Methylphenols (p/m-Cresol) A	--	41,000[4]	< 6.6	< 0.66	< 0.66	< 0.66	< 0.66	< 0.65	< 0.66	< 0.66	< 0.65
4,6-Dinitro-2-methylphenol	--	66[4]	< 16	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6
4-Nitrophenol	--	--	< 16	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6
Acenaphthene	10,000	45,000	< 2.5	< 2	< 0.1	< 0.1	< 1	< 5	< 0.1	< 5	< 2
Acenaphthylene	--	45,000[4]	< 5	< 4	< 0.2	< 0.2	< 2	< 10	< 0.2	< 10	< 4
Anthracene	50,000	230,000	< 2.5	< 2	< 0.1	< 0.1	< 1	< 5	< 0.1	< 5	< 2
Benzo(a)anthracene	16	2.9	**2.65**	< 2	< 0.1	< 0.1	< 1	< 5	< 0.1	< 5	**3.22**
Benzo(a)pyrene	1.6	0.29	**3.91 J**	**1.49 J**	< 0.05	< 0.05	< 0.5	**2.55 J**	< 0.05	< 2.5	**5.13**
Benzo(A)Pyrene Equivalent (1/2 RL substituted for ND)	0.9[5]	0.9[5]	**5.19**	**2.26**	**0.14**	**0.06**	**0.64**	**4.48**	**0.14**	**3.18**	**8.62**
Benzo(b)fluoranthene	16	2.9	< 2.5	< 2	< 0.1	< 0.1	< 1	< 5	< 0.1	< 5	**4.19**
Benzo(g,h,i)perylene	10,000[6]	45,000[6]	< 2.5	< 2	**0.101**	< 0.1	< 1	< 5	< 0.1	< 5	**5.14**
Benzo(k)fluoranthene	150	29	< 2.5	< 2	< 0.1	< 0.1	< 1	< 5	< 0.1	< 5	**2.34**
Chrysene	1,500	260	**3.01**	< 2	< 0.1	< 0.1	< 1	< 5	< 0.1	< 5	**4.34**
Dibenz(a,h)anthracene	1.6	0.29	< 1.25	< 1	**0.0974**	< 0.05	< 0.5	< 2.5	**0.106 J**	< 2.5	**2.31**
Fluoranthene	6,700	30,000	**6.9 J**	**2.94 J**	< 0.1	< 0.1	**1.54**	< 5	**0.291 J**	**5.05 J**	**2.6**
Fluorene	6,700	30,000	< 2.5	< 2	< 0.1	< 0.1	< 1	< 5	< 0.1	< 5	< 2
Indeno(1,2,3-cd)pyrene	16	2.9	**2.51**	< 1.2	< 0.06	< 0.06	< 0.6	< 3	< 0.06	< 3	**4.15**
Naphthalene	350	14	< 5	< 4	< 0.2	< 0.2	< 2	< 10	< 0.2	< 10	< 4
Pentachlorophenol	20	4	< 16	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6
Phenanthrene	6,700[6]	30,000[6]	**3.68**	< 2	< 0.1	< 0.1	< 1	< 5	< 0.1	**15.2 J**	< 2
Phenol	98,000	350,000	< 3.3	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.32
Pyrene	5,000	23,000	**7.26 J**	**2.72 J**	< 0.1	< 0.1	**1.49**	**7.19 J**	**0.503 J**	< 5	**3.85**

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SAN FRANCISCO, CALIFORNIA

		Location ID	**TB3-002**	**TB3-002**	**TB3-002**	**TB3-002**	**TB3-003**	**TB3-003**	**TB3-003**	**TB3-007**	**TB3-007**
		Sample ID	TB3-002@0-1	TB3-002@0-1D	TB3-002@6-7	TB3-002@18-19	TB3-003@0-1	TB3-003@5-6	TB3-003@09-10	TB3-007@0-1	TB3-007@6-8
		Sample Date	11/24/1997	11/24/1997	11/24/1997	11/24/1997	11/24/1997	11/24/1997	11/24/1997	11/24/1997	11/24/1997
		Sample Depth (feet bgs)	1.0	1.0	7.0	19.0	1.0	6.0	10.0	1.0	8.0
		Sample Type	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary
Analyte	**Construction Worker Screening Level[1]**	**Commercial/Industrial Screening Level[2]**									
Total Petroleum Hydrocarbons (mg/kg)											
Diesel Range Organics	880	1,100	--	--	--	--	--	--	--	--	--
Gasoline Range Organics	2,800	3,900	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons (C9-C40)	880	1,100	**198**	**178**	**136**	< 10	**449**	**156**	**199**	**3,650**	**204**
Total Petroleum Hydrocarbons-Motor Oil	32,000	140,000	--	--	--	--	--	--	--	--	--
Volatile Organic Compounds (mg/kg)											
1,1,1,2-Tetrachloroethane	340	18	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
1,1,1-Trichloroethane	8,800	8,900	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
1,1,2,2-Tetrachloroethane	44	2.3	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
1,1,2-Trichloroethane	5.2	4.2	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
1,1-Dichloroethane	390	17	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
1,1-Dichloroethene	390	400	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
1,1-Dichloropropane	--	--	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
1,1-Dichloropropene	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	--	310[7]	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
1,2,3-Trichloropropane	--	0.021[7]	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
1,2,4-Trichlorobenzene	310	110	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
1,2,4-Trimethylbenzene	--	1,800[4]	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
1,2-Dibromo-3-chloropropane (DBCP)	1.3	0.072	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
1,2-Dibromoethane (Ethylene Dibromide)	3.2	0.16	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
1,2-Dichlorobenzene	8,500	11,000	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
1,2-Dichloroethane	37	1.6	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
1,2-Dichloropropane	58	3.9	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
1,3,5-Trimethylbenzene	--	1,500[4]	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
1,3-Dichlorobenzene	--	--	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
1,3-Dichloropropane	--	2,200[7]	--	--	--	--	--	--	--	--	--
1,3-Dichloropropene	29	1.2	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
1,4-Dichlorobenzene	310	13	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
1-Methylethyl-benzene A	--	--	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
2,2-Dichloropropane	--	--	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
2-Butanone (Methyl Ethyl Ketone)	--	190,000[4]	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	--	2,600[7]	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
2-Hexanone	--	1,300[4]	--	--	--	--	--	--	--	--	--
2-Phenylbutane (sec-Butylbenzene)	--	12,000[7]	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
4-Chlorotoluene	--	2,300[7]	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	--	140,000[4]	--	--	--	--	--	--	--	--	--
Acetone	260,000	630,000	--	--	--	--	--	--	--	--	--
Benzene	24	1	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Bromobenzene	--	1,800[4]	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Bromodichloromethane	47	2.3	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Bromoform	2,200	300	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Bromomethane (Methyl Bromide)	34	36	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Carbon disulfide	--	3,500[4]	--	--	--	--	--	--	--	--	--
Carbon tetrachloride	13	0.54	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Chlorobenzene	1,100	1,200	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Chlorobromomethane	--	630[4]	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Chloroethane	53,000	53,000	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Chloroform (Trichloromethane)	32	1.3	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Chloromethane (Methyl Chloride)	430	430	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
cis-1,2-Dichloroethene	82	90	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
cis-1,3-Dichloropropene	--	8.2[4]	--	--	--	--	--	--	--	--	--
Cyclohexanone	--	130,000[4]	--	--	--	--	--	--	--	--	--
Cymene (p-Isopropyltoluene)	--	--	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Dibromochloromethane	290	39	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Dibromomethane	--	99[4]	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Dichlorodifluoromethane (CFC-12)	--	370[4]	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Diisopropyl ether (DIPE)	--	9,400[4]	--	--	--	--	--	--	--	--	--
Ethanol	--	--	--	--	--	--	--	--	--	--	--
Ethylbenzene	480	22	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Hexachlorobutadiene	310	42	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Isopropylbenzene (Cumene)	--	9,900[4]	--	--	--	--	--	--	--	--	--
m,p-Xylenes	2,400	2,400	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005

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SAN FRANCISCO, CALIFORNIA

		Location ID	**TB3-002**	**TB3-002**	**TB3-002**	**TB3-002**	**TB3-003**	**TB3-003**	**TB3-003**	**TB3-007**	**TB3-007**
		Sample ID	TB3-002@0-1	TB3-002@0-1D	TB3-002@6-7	TB3-002@18-19	TB3-003@0-1	TB3-003@5-6	TB3-003@09-10	TB3-007@0-1	TB3-007@6-8
		Sample Date	11/24/1997	11/24/1997	11/24/1997	11/24/1997	11/24/1997	11/24/1997	11/24/1997	11/24/1997	11/24/1997
		Sample Depth (feet bgs)	1.0	1.0	7.0	19.0	1.0	6.0	10.0	1.0	8.0
		Sample Type	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary
Analyte	**Construction Worker Screening Level[1]**	**Commercial/Industrial Screening Level[2]**									
Methyl Tert Butyl Ether	3,700	180	--	--	--	--	--	--	--	--	--
Methylene chloride	500	25	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Naphthalene	350	14	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
n-Butylbenzene	--	6,400[7]	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
n-Propylbenzene	--	24,000	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
o-Xylene	2,400	2,400	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Styrene	29,000	40,000	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
t-Amyl Alcohol	--	340[4]	--	--	--	--	--	--	--	--	--
Tert-Amyl Methyl Ether (TAME)	--	--	--	--	--	--	--	--	--	--	--
Tert-Butyl Alcohol (tert-Butanol)	--	--	--	--	--	--	--	--	--	--	--
Tert-Butyl Ethyl Ether (ETBE)	--	--	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	--	12,000[7]	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Tetrachloroethene	33	2.7	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Toluene	4,100	4,600	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
trans-1,2-Dichloroethene	680	730	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
trans-1,3-Dichloropropene	--	8.2[4]	--	--	--	--	--	--	--	--	--
Trichloroethene	23	8	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Trichlorofluoromethane (CFC-11)	--	5,400[7]	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Trifluorotrichloroethane (Freon 113)	--	28,000[4]	--	--	--	--	--	--	--	--	--
Vinyl acetate	--	3,800[4]	--	--	--	--	--	--	--	--	--
Vinyl chloride	3.4	0.15	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Xylene (total)	2,400	2,400	--	--	--	--	--	--	--	--	--
Inorganic Compounds											
Asbestos (%)	--	--	< 1	< 1	< 1	--	< 1	< 1	--	< 1	< 1
Total Cyanide (mg/kg)	--	--	**0.8**	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Total phenols (mg/kg)	--	--	--	--	--	--	--	--	--	--	--

Notes
Volatile Organic Compounds (VOCs) analyzed by EPA Method 8260B
Semi-Volatile Organic Compounds (SVOCs) analyzed by EPA Method 8270 SIM
Metals analyzed by EPA Methods 6010B/7471A
Polychlorinated Biphenyls analyzed by EPA Method 8082
Total Petroleum Hydrocarbons analyzed by EPA Method 8015B
Total Cyanide analyzed by EPA Method 9014
Asbestos analyzed by CARB 435

Soil Screening Levels:
1. Environmental Screening Levels (ESLs), Table S-1: Direct Exposure soil Screening Levels, Commercial/Industrial Worker Exposure Scenario, Most Stringent (Water Board, February 2016).
2. Environmental Screening Levels (ESLs), Table S-1: Direct Exposure soil Screening Levels, Construction Worker Exposure Scenario, Most Stringent (Water Board, February 2016).
3. Arsenic concentrations are compared to the background threshold value of 12 mg/kg developed for the adjacent Station A Area (AMEC, 2011).
4. USEPA Regional Screening Level (RSL) for industrial soil endorsed by DTSC (USEPA, November 2017).
5. 0.9 mg/kg B(a)P WQ is the 95th perecentile of the northern California ambient data set for surface soil. The range of ambient concentrations in the northern California ambient data set is non-detect to 2.8 mg/kg.
6. Due to the lack of published screening criteria, the screening levels for acenaphthene and fluoranthene were selected to screen the results for benzo(g,h,i)perylene and phenanthrene, respectively, due to the similar chemical structure.
7. DTSC Modified screening level for industrial soil (DTSC, January 2018)

B(a)P EQ were calculated using potency equivalency factors from the DTSC Preliminary Endangerment Assessment Guidance Manual
BOLD = concentration detected above the laboratory reporting limi
Orange highlight = result exceeded the referenced Construction Worker Screening Level
Green highlight = result exceeded the referenced Commercial/Industrial Screening Level

Abbreviations:
< = analyte not detected above the indicated reporting limit.
J = estimated concentration.
R = rejected result
-- = not analyzed or not applicable.
mg/kg = milligrams per kilogram
ft bgs = feet below ground surface

TABLE 1
SUMMARY OF SOIL ANALYTICAL RESULTS
POTRERO POWER PLANT TANK FARM
SAN FRANCISCO, CALIFORNIA

		Location ID	TB3-007	TB3-008	TB3-008	TB3-008	TB3-009	TB3-009	TB3-009	TB3-012	TB3-012
		Sample ID	TB3-007@10-11	TB3-008@0-1	TB3-008@5-6	TB3-008@10-11	TB3-009@0-1	TB3-009@6-8	TB3-009@6-8D	TB3-012@25-26	TB3-012@25-26D
		Sample Date	11/24/1997	11/25/1997	11/25/1997	11/25/1997	11/25/1997	11/25/1997	11/25/1997	02/27/1998	02/27/1998
		Sample Depth (feet bgs)	11.0	1.0	6.0	11.0	1.0	8.0	8.0	26.0	26.0
		Sample Type	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary
Analyte	**Construction Worker Screening Level[1]**	**Commercial/Industrial Screening Level[2]**									
Metals (mg/kg)											
Antimony	140	470	< 6	< 6	< 6	< 6	< 6	< 6	< 6	--	--
Arsenic	12[3]	12[3]	**5.7**	**4.7**	**1.8**	**6**	**11.5**	< 0.5	< 0.5	--	--
Barium	3,000	220,000	**854**	**70.3 J**	**31.4 J**	**204 J**	**261**	< 20	< 20	--	--
Beryllium	42	2,200	**0.96**	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	--	--
Cadmium	43	580	< 2	< 2	< 2	**2.28**	**10.2**	< 2	< 2	--	--
Chromium	530,000	1,800,000	**4.42**	**65.5**	**57.5**	**261**	**588**	**1,200**	**761**	--	--
Cobalt	28	350	< 5	**9.35**	**7.18**	**30.9**	**42.4**	**106**	**58**	--	--
Copper	14,000	47,000	**32**	**18.5 J**	**4.9 J**	**78.6 J**	**65.1**	**24.1**	**9.48**	--	--
Lead	160	320	**0.88**	**17**	**1.58**	**136**	**2,320**	**2.75**	< 0.4	--	--
Mercury	44	190	< 0.05	**0.094 J**	< 0.005	**1.11 J**	**6.92**	< 0.005	< 0.005	--	--
Molybdenum	1,800	5,800	< 10	< 10	< 10	< 10	< 10	< 10	< 10	--	--
Nickel	86	11,000	**13**	**134**	**38.1**	**445**	**806**	**1,910**	**1,150**	--	--
Selenium	1,700	5,800	< 1	< 1	< 1	< 1	< 1	< 1	< 1	--	--
Silver	1,800	5,800	< 2	< 2	< 2	< 2	< 2	< 2	< 2	--	--
Thallium	3.5	12	< 1	< 1	< 1	< 1	**1.3**	**2.02**	**2.12**	--	--
Vanadium	470	5,800	**48.4**	**35.5 J**	**43 J**	**51.7 J**	**40**	**27.2**	**24.9**	--	--
Zinc	110,000	350,000	**3.58**	**54.5 J**	**24 J**	**295 J**	**552**	**24.8**	**14.8**	--	--
Polychlorinated Biphenyls (mg/kg)											
Aroclor-1016 (PCB-1016)	5.6	1.0	--	< 0.05	< 0.05	--	< 0.05	< 0.3	< 0.3	--	--
Aroclor-1221 (PCB-1221)	5.6	1.0	--	< 0.05	< 0.05	--	< 0.05	< 0.3	< 0.3	--	--
Aroclor-1232 (PCB-1232)	5.6	1.0	--	< 0.05	< 0.05	--	< 0.05	< 0.3	< 0.3	--	--
Aroclor-1242 (PCB-1242)	5.6	1.0	--	< 0.05	< 0.05	--	< 0.05	< 0.3	< 0.3	--	--
Aroclor-1248 (PCB-1248)	5.6	1.0	--	< 0.05	< 0.05	--	< 0.05	< 0.3	< 0.3	--	--
Aroclor-1254 (PCB-1254)	5.6	1.0	--	< 0.05	< 0.05	--	< 0.05	< 0.3	< 0.3	--	--
Aroclor-1260 (PCB-1260)	5.6	1.0	--	< 0.05	< 0.05	--	< 0.05	< 0.3	< 0.3	--	--
Aroclor-1262 (PCB-1262)	5.6	1.0	--	--	--	--	--	--	--	--	--
Aroclor-1268 (PCB-1268)	5.6	1.0	--	--	--	--	--	--	--	--	--
Semi-Volatile Organic Compounds (mg/kg)											
1-Methylnaphthalene	--	--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	350	47	< 0.32	< 0.66	< 0.33	< 0.66	< 0.33	< 2	< 2	--	--
2,4-Dichlorophenol	1,100	3,500	< 0.32	< 0.66	< 0.33	< 0.66	< 0.33	< 2	< 2	--	--
2,4-Dimethylphenol	7,100	23,000	< 0.32	< 0.66	< 0.33	< 0.66	< 0.33	< 2	< 2	--	--
2,4-Dinitrophenol	710	2,300	< 1.6	< 3.2	< 1.6	< 3.2	< 1.6	< 9.6	< 9.6	--	--
2,6-Dichlorophenol	--	--	< 0.32	< 0.66	< 0.33	< 0.66	< 0.33	< 2	< 2	--	--
2-Chlorophenol	1,800	5,800	< 0.32	< 0.66	< 0.33	< 0.66	< 0.33	< 2	< 2	--	--
2-Methylnaphthalene	670	3,000	--	--	--	--	--	--	--	--	--
2-Methylphenol (o-Cresol)	--	41,000[4]	< 0.32	< 0.66	< 0.33	< 0.66	< 0.33	< 2	< 2	--	--
2-Nitrophenol	--	--	< 0.32	< 0.66	< 0.33	< 0.66	< 0.33	< 2	< 2	--	--
3&4-Methylphenol	--	--	< 0.32	< 0.66	< 0.33	< 0.66	< 0.33	< 2	< 2	--	--
3/4-Methylphenols (p/m-Cresol) A	--	41,000[4]	< 0.64	< 1.3	< 0.66	< 1.3	< 0.66	< 4	< 4	--	--
4,6-Dinitro-2-methylphenol	--	66[4]	< 1.6	< 3.2	< 1.6	< 3.2	< 1.6	< 9.6	< 9.6	--	--
4-Nitrophenol	--	--	< 1.6	< 3.2	< 1.6	< 3.2	< 1.6	< 9.6	< 9.6	--	--
Acenaphthene	10,000	45,000	< 0.5	< 2	< 0.1	< 20	< 100	< 0.6	< 0.6	< 0.05	< 0.05
Acenaphthylene	--	45,000[4]	< 1	< 4	< 0.2	< 40	< 200	< 1.2	< 1.2	< 2	< 2
Anthracene	50,000	230,000	< 0.5	< 2	< 0.1	< 20	< 100	< 0.6	< 0.6	< 0.1	< 0.1
Benzo(a)anthracene	16	2.9	< 0.5	< 2	< 0.1	< 20	< 100	< 0.6	< 0.6	< 0.1	< 0.1
Benzo(a)pyrene	1.6	0.29	**0.719**	< 1	< 0.05	**22.9 J**	< 50	< 0.3	< 0.3	< 0.05	< 0.05
Benzo(A)Pyrene Equivalent (1/2 RL substituted for ND)	0.9[5]	0.9[5]	**0.99**	**1.97**	**0.06**	**31.94**	**63.55**	**0.38**	**0.38**	**0.06**	**0.06**
Benzo(b)fluoranthene	16	2.9	< 0.5	< 2	< 0.1	< 20	< 100	< 0.6	< 0.6	< 0.1	< 0.1
Benzo(g,h,i)perylene	10,000[6]	45,000[6]	**0.638**	**2.41 J**	< 0.1	**24.5 J**	< 100	< 0.6	< 0.6	< 0.1	< 0.1
Benzo(k)fluoranthene	150	29	< 0.5	< 2	< 0.1	< 20	< 100	< 0.6	< 0.6	< 0.1	< 0.1
Chrysene	1,500	260	< 0.5	< 2	< 0.1	< 20	< 100	< 0.6	< 0.6	< 0.1	< 0.1
Dibenz(a,h)anthracene	1.6	0.29	< 0.25	**1.2 J**	< 0.05	< 10	< 50	< 0.3	< 0.3	< 0.05	< 0.05
Fluoranthene	6,700	30,000	**1.15**	**2.35**	< 0.1	**58.7**	**134**	< 0.6	< 0.6	< 0.1	< 0.1
Fluorene	6,700	30,000	< 0.5	< 2	< 0.1	< 20	< 100	< 0.6	< 0.6	< 0.1	< 0.1
Indeno(1,2,3-cd)pyrene	16	2.9	**0.905**	< 1.2	< 0.06	**19.3 J**	< 60	< 0.36	< 0.36	< 0.06	< 0.06
Naphthalene	350	14	< 1	< 4	< 0.2	< 40	< 200	< 1.2	< 1.2	< 0.1	< 0.1
Pentachlorophenol	20	4	< 1.6	< 3.2	< 1.6	< 3.2	< 1.6	< 9.6	< 9.6	--	--
Phenanthrene	6,700[6]	30,000[6]	< 0.5	< 2	< 0.1	< 20	**124**	< 0.6	< 0.6	< 0.1	< 0.1
Phenol	98,000	350,000	< 0.32	< 0.66	< 0.33	< 0.66	< 0.33	< 2	< 2	--	--
Pyrene	5,000	23,000	**1.37**	**2.82 J**	< 0.1	**46.3 J**	**175**	< 0.6	< 0.6	< 0.1	< 0.1

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SAN FRANCISCO, CALIFORNIA

		Location ID	TB3-007	TB3-008	TB3-008	TB3-008	TB3-009	TB3-009	TB3-009	TB3-012	TB3-012
		Sample ID	TB3-007@10-11	TB3-008@0-1	TB3-008@5-6	TB3-008@10-11	TB3-009@0-1	TB3-009@6-8	TB3-009@6-8D	TB3-012@25-26	TB3-012@25-26D
		Sample Date	11/24/1997	11/25/1997	11/25/1997	11/25/1997	11/25/1997	11/25/1997	11/25/1997	02/27/1998	02/27/1998
		Sample Depth (feet bgs)	11.0	1.0	6.0	11.0	1.0	8.0	8.0	26.0	26.0
		Sample Type	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary
Analyte	**Construction Worker Screening Level[1]**	**Commercial/Industrial Screening Level[2]**									
Total Petroleum Hydrocarbons (mg/kg)											
Diesel Range Organics	880	1,100	--	--	--	--	--	--	--	--	--
Gasoline Range Organics	2,800	3,900	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons (C9-C40)	880	1,100	**2,380**	< 20	< 10	**959 J**	**2,910**	< 60	< 60	**6.9 J**	**3.5 J**
Total Petroleum Hydrocarbons-Motor Oil	32,000	140,000	--	--	--	--	--	--	--	--	--
Volatile Organic Compounds (mg/kg)											
1,1,1,2-Tetrachloroethane	340	18	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
1,1,1-Trichloroethane	8,800	8,900	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
1,1,2,2-Tetrachloroethane	44	2.3	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
1,1,2-Trichloroethane	5.2	4.2	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
1,1-Dichloroethane	390	17	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
1,1-Dichloroethene	390	400	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
1,1-Dichloropropane	--	--	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
1,1-Dichloropropene	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	--	310[7]	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
1,2,3-Trichloropropane	--	0.021[7]	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
1,2,4-Trichlorobenzene	310	110	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
1,2,4-Trimethylbenzene	--	1,800[4]	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
1,2-Dibromo-3-chloropropane (DBCP)	1.3	0.072	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
1,2-Dibromoethane (Ethylene Dibromide)	3.2	0.16	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
1,2-Dichlorobenzene	8,500	11,000	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
1,2-Dichloroethane	37	1.6	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
1,2-Dichloropropane	58	3.9	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
1,3,5-Trimethylbenzene	--	1,500[4]	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
1,3-Dichlorobenzene	--	--	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
1,3-Dichloropropane	--	2,200[7]	--	--	--	--	--	--	--	--	--
1,3-Dichloropropene	29	1.2	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
1,4-Dichlorobenzene	310	13	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
1-Methylethyl-benzene A	--	--	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
2,2-Dichloropropane	--	--	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
2-Butanone (Methyl Ethyl Ketone)	--	190,000[4]	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	--	2,600[7]	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
2-Hexanone	--	1,300[4]	--	--	--	--	--	--	--	--	--
2-Phenylbutane (sec-Butylbenzene)	--	12,000[7]	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
4-Chlorotoluene	--	2,300[7]	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	--	140,000[4]	--	--	--	--	--	--	--	--	--
Acetone	260,000	630,000	--	--	--	--	--	--	--	--	--
Benzene	24	1	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	**0.012**	**0.013**
Bromobenzene	--	1,800[4]	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Bromodichloromethane	47	2.3	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Bromoform	2,200	300	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Bromomethane (Methyl Bromide)	34	36	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Carbon disulfide	--	3,500[4]	--	--	--	--	--	--	--	--	--
Carbon tetrachloride	13	0.54	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Chlorobenzene	1,100	1,200	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Chlorobromomethane	--	630[4]	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Chloroethane	53,000	53,000	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Chloroform (Trichloromethane)	32	1.3	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Chloromethane (Methyl Chloride)	430	430	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
cis-1,2-Dichloroethene	82	90	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
cis-1,3-Dichloropropene	--	8.2[4]	--	--	--	--	--	--	--	--	--
Cyclohexanone	--	130,000[4]	--	--	--	--	--	--	--	--	--
Cymene (p-Isopropyltoluene)	--	--	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	**0.0035**	**0.0036**
Dibromochloromethane	290	39	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Dibromomethane	--	99[4]	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Dichlorodifluoromethane (CFC-12)	--	370[4]	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Diisopropyl ether (DIPE)	--	9,400[4]	--	--	--	--	--	--	--	--	--
Ethanol	--	--	--	--	--	--	--	--	--	--	--
Ethylbenzene	480	22	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Hexachlorobutadiene	310	42	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Isopropylbenzene (Cumene)	--	9,900[4]	--	--	--	--	--	--	--	--	--
m,p-Xylenes	2,400	2,400	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005

TABLE 1
SUMMARY OF SOIL ANALYTICAL RESULTS
POTRERO POWER PLANT TANK FARM
SAN FRANCISCO, CALIFORNIA

		Location ID	**TB3-007**	**TB3-008**	**TB3-008**	**TB3-008**	**TB3-009**	**TB3-009**	**TB3-009**	**TB3-012**	**TB3-012**
		Sample ID	TB3-007@10-11	TB3-008@0-1	TB3-008@5-6	TB3-008@10-11	TB3-009@0-1	TB3-009@6-8	TB3-009@6-8D	TB3-012@25-26	TB3-012@25-26D
		Sample Date	11/24/1997	11/25/1997	11/25/1997	11/25/1997	11/25/1997	11/25/1997	11/25/1997	02/27/1998	02/27/1998
		Sample Depth (feet bgs)	11.0	1.0	6.0	11.0	1.0	8.0	8.0	26.0	26.0
		Sample Type	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary
Analyte	**Construction Worker Screening Level[1]**	**Commercial/Industrial Screening Level[2]**									
Methyl Tert Butyl Ether	3,700	180	--	--	--	--	--	--	--	--	--
Methylene chloride	500	25	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Naphthalene	350	14	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
n-Butylbenzene	--	6,400[7]	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
n-Propylbenzene	--	24,000	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
o-Xylene	2,400	2,400	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Styrene	29,000	40,000	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
t-Amyl Alcohol	--	340[4]	--	--	--	--	--	--	--	--	--
Tert-Amyl Methyl Ether (TAME)	--	--	--	--	--	--	--	--	--	--	--
Tert-Butyl Alcohol (tert-Butanol)	--	--	--	--	--	--	--	--	--	--	--
Tert-Butyl Ethyl Ether (ETBE)	--	--	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	--	12,000[7]	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Tetrachloroethene	33	2.7	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Toluene	4,100	4,600	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
trans-1,2-Dichloroethene	680	730	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
trans-1,3-Dichloropropene	--	8.2[4]	--	--	--	--	--	--	--	--	--
Trichloroethene	23	8	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Trichlorofluoromethane (CFC-11)	--	5,400[7]	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Trifluorotrichloroethane (Freon 113)	--	28,000[4]	--	--	--	--	--	--	--	--	--
Vinyl acetate	--	3,800[4]	--	--	--	--	--	--	--	--	--
Vinyl chloride	3.4	0.15	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Xylene (total)	2,400	2,400	--	--	--	--	--	--	--	--	--
Inorganic Compounds											
Asbestos (%)	--	--	--	< 1	< 1	--	< 1	**2**	--	--	--
Total Cyanide (mg/kg)	--	--	< 0.5	< 0.5	< 0.5	**0.9**	**29.5**	< 0.5	< 0.5	< 0.25	< 0.25
Total phenols (mg/kg)	--	--	--	--	--	--	--	--	--	--	--

Notes
Volatile Organic Compounds (VOCs) analyzed by EPA Method 8260B
Semi-Volatile Organic Compounds (SVOCs) analyzed by EPA Method 8270 SIM
Metals analyzed by EPA Methods 6010B/7471A
Polychlorinated Biphenyls analyzed by EPA Method 8082
Total Petroleum Hydrocarbons analyzed by EPA Method 8015B
Total Cyanide analyzed by EPA Method 9014
Asbestos analyzed by CARB 435

Soil Screening Levels:
1. Environmental Screening Levels (ESLs), Table S-1: Direct Exposure soil Screening Levels, Commercial/Industrial Worker Exposure Scenario, Most Stringent (Water Board, February 2016).
2. Environmental Screening Levels (ESLs), Table S-1: Direct Exposure soil Screening Levels, Construction Worker Exposure Scenario, Most Stringent (Water Board, February 2016).
3. Arsenic concentrations are compared to the background threshold value of 12 mg/kg developed for the adjacent Station A Area (AMEC, 2011).
4. USEPA Regional Screening Level (RSL) for industrial soil endorsed by DTSC (USEPA, November 2017).
5. 0.9 mg/kg B(a)P WQ is the 95th perecentile of the northern California ambient data set for surface soil. The range of ambient concentrations in the northern California ambient data set is non-detect to 2.8 mg/kg.
6. Due to the lack of published screening criteria, the screening levels for acenaphthene and fluoranthene were selected to screen the results for benzo(g,h,i)perylene and phenanthrene, respectively, due to the similar chemical structure.
7. DTSC Modified screening level for industrial soil (DTSC, January 2018)

B(a)P EQ were calculated using potency equivalency factors from the DTSC Preliminary Endangerment Assessment Guidance Manual
BOLD = concentration detected above the laboratory reporting limi
Orange highlight = result exceeded the referenced Construction Worker Screening Level
Green highlight = result exceeded the referenced Commercial/Industrial Screening Level

Abbreviations:
< = analyte not detected above the indicated reporting limit.
J = estimated concentration.
R = rejected result
-- = not analyzed or not applicable.
mg/kg = milligrams per kilogram
ft bgs = feet below ground surface

TABLE 1
SUMMARY OF SOIL ANALYTICAL RESULTS
POTRERO POWER PLANT TANK FARM
SAN FRANCISCO, CALIFORNIA

		Location ID	**TB3-012**	**TB3-012**
		Sample ID	TB3-012@29.5-30	TB3-012@33-34
		Sample Date	02/27/1998	02/27/1998
		Sample Depth (feet bgs)	30.0	34.0
		Sample Type	Primary	Primary
Analyte	**Construction Worker Screening Level[1]**	**Commercial/Industrial Screening Level[2]**		
Metals (mg/kg)				
Antimony	140	470	--	--
Arsenic	12[3]	12[3]	--	--
Barium	3,000	220,000	--	--
Beryllium	42	2,200	--	--
Cadmium	43	580	--	--
Chromium	530,000	1,800,000	--	--
Cobalt	28	350	--	--
Copper	14,000	47,000	--	--
Lead	160	320	--	--
Mercury	44	190	--	--
Molybdenum	1,800	5,800	--	--
Nickel	86	11,000	--	--
Selenium	1,700	5,800	--	--
Silver	1,800	5,800	--	--
Thallium	3.5	12	--	--
Vanadium	470	5,800	--	--
Zinc	110,000	350,000	--	--
Polychlorinated Biphenyls (mg/kg)				
Aroclor-1016 (PCB-1016)	5.6	1.0	--	--
Aroclor-1221 (PCB-1221)	5.6	1.0	--	--
Aroclor-1232 (PCB-1232)	5.6	1.0	--	--
Aroclor-1242 (PCB-1242)	5.6	1.0	--	--
Aroclor-1248 (PCB-1248)	5.6	1.0	--	--
Aroclor-1254 (PCB-1254)	5.6	1.0	--	--
Aroclor-1260 (PCB-1260)	5.6	1.0	--	--
Aroclor-1262 (PCB-1262)	5.6	1.0	--	--
Aroclor-1268 (PCB-1268)	5.6	1.0	--	--
Semi-Volatile Organic Compounds (mg/kg)				
1-Methylnaphthalene	--	--	--	--
2,4,6-Trichlorophenol	350	47	--	--
2,4-Dichlorophenol	1,100	3,500	--	--
2,4-Dimethylphenol	7,100	23,000	--	--
2,4-Dinitrophenol	710	2,300	--	--
2,6-Dichlorophenol	--	--	--	--
2-Chlorophenol	1,800	5,800	--	--
2-Methylnaphthalene	670	3,000	--	--
2-Methylphenol (o-Cresol)	--	41,000[4]	--	--
2-Nitrophenol	--	--	--	--
3&4-Methylphenol	--	--	--	--
3/4-Methylphenols (p/m-Cresol) A	--	41,000[4]	--	--
4,6-Dinitro-2-methylphenol	--	66[4]	--	--
4-Nitrophenol	--	--	--	--
Acenaphthene	10,000	45,000	< 0.05	< 0.05
Acenaphthylene	--	45,000[4]	< 2	< 2
Anthracene	50,000	230,000	< 0.1	< 0.1
Benzo(a)anthracene	16	2.9	< 0.1	< 0.1
Benzo(a)pyrene	1.6	0.29	< 0.05	< 0.05
Benzo(A)Pyrene Equivalent (1/2 RL substituted for ND)	0.9[5]	0.9[5]	**0.06**	**0.06**
Benzo(b)fluoranthene	16	2.9	< 0.1	< 0.1
Benzo(g,h,i)perylene	10,000[6]	45,000[6]	< 0.1	< 0.1
Benzo(k)fluoranthene	150	29	< 0.1	< 0.1
Chrysene	1,500	260	< 0.1	< 0.1
Dibenz(a,h)anthracene	1.6	0.29	< 0.05	< 0.05
Fluoranthene	6,700	30,000	< 0.1	< 0.1
Fluorene	6,700	30,000	< 0.1	< 0.1
Indeno(1,2,3-cd)pyrene	16	2.9	< 0.06	< 0.06
Naphthalene	350	14	< 0.1	< 0.1
Pentachlorophenol	20	4	--	--
Phenanthrene	6,700[6]	30,000[6]	< 0.1	< 0.1
Phenol	98,000	350,000	--	--
Pyrene	5,000	23,000	< 0.1	< 0.1

TABLE 1
SUMMARY OF SOIL ANALYTICAL RESULTS
POTRERO POWER PLANT TANK FARM
SAN FRANCISCO, CALIFORNIA

		Location ID	**TB3-012**	**TB3-012**
		Sample ID	TB3-012@29.5-30	TB3-012@33-34
		Sample Date	02/27/1998	02/27/1998
		Sample Depth (feet bgs)	30.0	34.0
		Sample Type	Primary	Primary
Analyte	**Construction Worker Screening Level[1]**	**Commercial/Industrial Screening Level[2]**		
Total Petroleum Hydrocarbons (mg/kg)				
Diesel Range Organics	880	1,100	--	--
Gasoline Range Organics	2,800	3,900	--	--
Total Petroleum Hydrocarbons (C9-C40)	880	1,100	**1.2 J**	**0.87 J**
Total Petroleum Hydrocarbons-Motor Oil	32,000	140,000	--	--
Volatile Organic Compounds (mg/kg)				
1,1,1,2-Tetrachloroethane	340	18	< 0.005	< 0.005
1,1,1-Trichloroethane	8,800	8,900	< 0.005	< 0.005
1,1,2,2-Tetrachloroethane	44	2.3	< 0.005	< 0.005
1,1,2-Trichloroethane	5.2	4.2	< 0.005	< 0.005
1,1-Dichloroethane	390	17	< 0.005	< 0.005
1,1-Dichloroethene	390	400	< 0.005	< 0.005
1,1-Dichloropropane	--	--	< 0.005	< 0.005
1,1-Dichloropropene	--	--	--	--
1,2,3-Trichlorobenzene	--	310[7]	< 0.005	< 0.005
1,2,3-Trichloropropane	--	0.021[7]	< 0.005	< 0.005
1,2,4-Trichlorobenzene	310	110	< 0.005	< 0.005
1,2,4-Trimethylbenzene	--	1,800[4]	< 0.005	< 0.005
1,2-Dibromo-3-chloropropane (DBCP)	1.3	0.072	< 0.005	< 0.005
1,2-Dibromoethane (Ethylene Dibromide)	3.2	0.16	< 0.005	< 0.005
1,2-Dichlorobenzene	8,500	11,000	< 0.01	< 0.01
1,2-Dichloroethane	37	1.6	< 0.005	< 0.005
1,2-Dichloropropane	58	3.9	< 0.005	< 0.005
1,3,5-Trimethylbenzene	--	1,500[4]	< 0.005	< 0.005
1,3-Dichlorobenzene	--	--	< 0.01	< 0.01
1,3-Dichloropropane	--	2,200[7]	--	--
1,3-Dichloropropene	29	1.2	< 0.005	< 0.005
1,4-Dichlorobenzene	310	13	< 0.01	< 0.01
1-Methylethyl-benzene A	--	--	< 0.005	< 0.005
2,2-Dichloropropane	--	--	< 0.005	< 0.005
2-Butanone (Methyl Ethyl Ketone)	--	190,000[4]	--	--
2-Chlorotoluene	--	2,600[7]	< 0.005	< 0.005
2-Hexanone	--	1,300[4]	--	--
2-Phenylbutane (sec-Butylbenzene)	--	12,000[7]	< 0.005	< 0.005
4-Chlorotoluene	--	2,300[7]	< 0.005	< 0.005
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	--	140,000[4]	--	--
Acetone	260,000	630,000	--	--
Benzene	24	1	**0.0072**	**0.0077**
Bromobenzene	--	1,800[4]	< 0.005	< 0.005
Bromodichloromethane	47	2.3	< 0.005	< 0.005
Bromoform	2,200	300	< 0.005	< 0.005
Bromomethane (Methyl Bromide)	34	36	< 0.01	< 0.01
Carbon disulfide	--	3,500[4]	--	--
Carbon tetrachloride	13	0.54	< 0.005	< 0.005
Chlorobenzene	1,100	1,200	< 0.005	< 0.005
Chlorobromomethane	--	630[4]	< 0.005	< 0.005
Chloroethane	53,000	53,000	< 0.01	< 0.01
Chloroform (Trichloromethane)	32	1.3	< 0.005	< 0.005
Chloromethane (Methyl Chloride)	430	430	< 0.01	< 0.01
cis-1,2-Dichloroethene	82	90	< 0.005	< 0.005
cis-1,3-Dichloropropene	--	8.2[4]	--	--
Cyclohexanone	--	130,000[4]	--	--
Cymene (p-Isopropyltoluene)	--	--	< 0.005	**0.033**
Dibromochloromethane	290	39	< 0.005	< 0.005
Dibromomethane	--	99[4]	< 0.005	< 0.005
Dichlorodifluoromethane (CFC-12)	--	370[4]	< 0.01	< 0.01
Diisopropyl ether (DIPE)	--	9,400[4]	--	--
Ethanol	--	--	--	--
Ethylbenzene	480	22	< 0.005	< 0.005
Hexachlorobutadiene	310	42	< 0.005	< 0.005
Isopropylbenzene (Cumene)	--	9,900[4]	--	--
m,p-Xylenes	2,400	2,400	< 0.005	< 0.005

TABLE 1
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SAN FRANCISCO, CALIFORNIA

		Location ID	**TB3-012**	**TB3-012**
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		Sample Date	02/27/1998	02/27/1998
		Sample Depth (feet bgs)	30.0	34.0
		Sample Type	Primary	Primary
Analyte	**Construction Worker Screening Level[1]**	**Commercial/Industrial Screening Level[2]**		
Methyl Tert Butyl Ether	3,700	180	--	--
Methylene chloride	500	25	< 0.01	< 0.01
Naphthalene	350	14	< 0.005	< 0.005
n-Butylbenzene	--	6,400[7]	< 0.005	< 0.005
n-Propylbenzene	--	24,000	< 0.005	< 0.005
o-Xylene	2,400	2,400	< 0.005	< 0.005
Styrene	29,000	40,000	< 0.005	< 0.005
t-Amyl Alcohol	--	340[4]	--	--
Tert-Amyl Methyl Ether (TAME)	--	--	--	--
Tert-Butyl Alcohol (tert-Butanol)	--	--	--	--
Tert-Butyl Ethyl Ether (ETBE)	--	--	--	--
tert-Butylbenzene	--	12,000[7]	< 0.005	< 0.005
Tetrachloroethene	33	2.7	< 0.005	< 0.005
Toluene	4,100	4,600	< 0.005	< 0.005
trans-1,2-Dichloroethene	680	730	< 0.005	< 0.005
trans-1,3-Dichloropropene	--	8.2[4]	--	--
Trichloroethene	23	8	< 0.005	< 0.005
Trichlorofluoromethane (CFC-11)	--	5,400[7]	< 0.005	< 0.005
Trifluorotrichloroethane (Freon 113)	--	28,000[4]	--	--
Vinyl acetate	--	3,800[4]	--	--
Vinyl chloride	3.4	0.15	< 0.002	< 0.002
Xylene (total)	2,400	2,400	--	--
Inorganic Compounds				
Asbestos (%)	--	--	--	--
Total Cyanide (mg/kg)	--	--	< 0.25	< 0.25
Total phenols (mg/kg)	--	--	--	--

Notes
Volatile Organic Compounds (VOCs) analyzed by EPA Method 8260B
Semi-Volatile Organic Compounds (SVOCs) analyzed by EPA Method 8270 SIM
Metals analyzed by EPA Methods 6010B/7471A
Polychlorinated Biphenyls analyzed by EPA Method 8082
Total Petroleum Hydrocarbons analyzed by EPA Method 8015B
Total Cyanide analyzed by EPA Method 9014
Asbestos analyzed by CARB 435

Soil Screening Levels:
1. Environmental Screening Levels (ESLs), Table S-1: Direct Exposure soil Screening Levels, Commercial/Industrial Worker Exposure Scenario, Most Stringent (Water Board, February 2016).
2. Environmental Screening Levels (ESLs), Table S-1: Direct Exposure soil Screening Levels, Construction Worker Exposure Scenario, Most Stringent (Water Board, February 2016).
3. Arsenic concentrations are compared to the background threshold value of 12 mg/kg developed for the adjacent Station A Area (AMEC, 2011).
4. USEPA Regional Screening Level (RSL) for industrial soil endorsed by DTSC (USEPA, November 2017).
5. 0.9 mg/kg B(a)P WQ is the 95th perecentile of the northern California ambient data set for surface soil. The range of ambient concentrations in the northern California ambient data set is non-detect to 2.8 mg/kg.
6. Due to the lack of published screening criteria, the screening levels for acenaphthene and fluoranthene were selected to screen the results for benzo(g,h,i)perylene and phenanthrene, respectively, due to the similar chemical structure.
7. DTSC Modified screening level for industrial soil (DTSC, January 2018)

B(a)P EQ were calculated using potency equivalency factors from the DTSC Preliminary Endangerment Assessment Guidance Manual
BOLD = concentration detected above the laboratory reporting limi
Orange highlight = result exceeded the referenced Construction Worker Screening Level
Green highlight = result exceeded the referenced Commercial/Industrial Screening Level

Abbreviations:
< = analyte not detected above the indicated reporting limit.
J = estimated concentration.
R = rejected result
-- = not analyzed or not applicable.
mg/kg = milligrams per kilogram
ft bgs = feet below ground surface

APPENDIX E
Operation and Maintenance Plan

DRAFT
DURABLE COVER
OPERATION AND MAINTENANCE PLAN

Potrero Power Station

1201 Illinois Street
San Francisco, California

April 14, 2020

prepared for

Pacific Gas and Electric Company®
3401 Crow Canyon Road
San Ramon, California 94583

prepared by

TERRA PACIFIC GROUP
Environmental Engineering, Consulting, and Construction
13900 Alton Parkway, Suite 122
Irvine, California 92618

Project No. 1084-1004

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LIST OF ACRONYMS AND ABBREVIATIONS

AST	aboveground storage tank
bgs	below ground surface
BTEX	benzene, toluene, ethylbenzene and total xylenes
CBC	California Barrel Company, LLC
COC	constituent of concern
COPC	constituent of potential concern
DNAPL	dense non-aqueous phase liquid
Haley & Aldrich	Haley & Aldrich, Inc.
HHRA	human health risk assessment
ISS	*in-situ* stabilization
LUC	land use covenant
MGP	manufactured gas plant
O&M	operation and maintenance
O&M Plan	Operation and Maintenance Plan
Owner(s)	current and future owner(s) of the 29-acre property
PAH	polycyclic aromatic hydrocarbon
PCB	polychlorinated biphenyls
PG&E	Pacific Gas and Electric Company
PPS	Potrero Power Station
RACR	Remedial Action Completion Report
RAP	Remedial Action Plan
RMP	Risk Management Plan
Site	29-acre development area of the Potrero Power Station site
TPG	Terra Pacific Group Incorporated
TPH	total petroleum hydrocarbons
VOC	volatile organic compound
Water Board	California Regional Water Quality Control Board, San Francisco Bay Region

ACKNOWLEDGMENT AND SIGNATURE PAGE

This Durable Cover Operation and Maintenance Plan was prepared by Terra Pacific Group Incorporated on behalf of the Pacific Gas and Electric Company.

_____ _____

Richard McCartney, P.G. Date
Senior Project Manager

_____ _____

Max Reyhani, P.E. Date
Principal-In-Charge

1.0 INTRODUCTION

This Durable Cover Operation and Maintenance Plan (O&M Plan) was prepared by Terra Pacific Group Incorporated (TPG) on behalf of Pacific Gas and Electric Company (PG&E) for the former Potrero Power Station property,(PPS) located at 420 23rd Street (also referenced as 1201A Illinois Street) in San Francisco, California (Figure 1). PG&E formerly operated an electric power generating plant and manufactured gas plant on the property. The PPS is located in an industrial waterfront area of San Francisco, south of the central business district, and is bounded by Illinois Street to the west, 23rd Street and industrial properties to the south, San Francisco Bay to the east, and the Port of San Francisco's Pier 70 property to the north.

Overall, the PPS covers 34 acres and includes properties that are currently owned by PG&E, the Port of San Francisco (Port), and CBC (Figure 2). CBC currently owns 21 of the 34 acres and intends to redevelop the PPS into a mixed-use development. The planned development area is approximately 29 acres, and includes the CBC-owned 21 acres, 4.8 acres currently owned by PG&E and approximately 3 acres of shoreline currently owned by the Port. The 3-acre shoreline area owned by the Port will be addressed by the Offshore Area Risk Management and Monitoring Plan, which is currently being prepared separately by PG&E. The remaining 25.8-acre planned development area is addressed by this O&M Plan and is hereafter referred to as the "Site" (Figure 2). The Site includes the following operational areas:

Operational Area	Current Owner	Size (Acres)
Station A	CBC	11.9
Unit 3	CBC	1.3
Northeast Area	CBC	3.0
Tank Farm	CBC	4.8
Switchyard North/General Construction Yard	PG&E	4.8

1.1 OBJECTIVE

The primary objective of this O&M Plan is to define the ongoing obligations of the then-current property owner of any portion of the Site (Owner\) regarding inspections and maintenance in order to maintain the integrity of the durable cover that prevents site user exposure to existing soil[1] and is

1 Existing soil refers to soil present at the Site when the remedy was approved, regardless of its provenance. The existing soil at the Site consists mostly of historic fill placed during the evolution and development of the Site, and typically contains constituents of concern (COCs) at concentrations that pose a potential threat to human health and the environment.

an essential component of the remedy for the Site. This O&M Plan applies only to the durable cover.

1.2 REGULATORY OVERSIGHT

The San Francisco Bay Regional Water Quality Control Board (Water Board) is the designated Administering Agency for the entire PPS, including the 26.5 acre Site, under California Health and Safety Code section 25260, et seq., meaning that the Water Board supervises all aspects of cleanup and is granted sole jurisdiction over all activities necessary to respond to release of hazardous materials. As such, Water Board staff has the authority to oversee the proper implementation of this O&M Plan.

2.0 DESCRIPTION OF REMEDIES APPLIED SITEWIDE

A common component of all remedies applied across the Site is the application of engineering and institutional controls, including compliance with the Sitewide Risk Management Plan, and the operation and maintenance of durable covers.

A description of the remedy elements is summarized below:

- Engineering controls including durable covers over existing soil to prevent human exposure to COCs in the existing soil; dust control during construction; soil management controls; groundwater management controls; and vapor intrusion mitigation systems in areas where soil vapors pose a threat to future land uses.

- Institutional controls, which describes restrictions on the use of groundwater, restrictions on sensitive land uses in certain areas of the Site and requires compliance with the RMP and this and future O&M Plans for the Site. Institutional controls are documented in the Land Use Covenants (LUCs) for the Site.

- Continued compliance with the RMP, particularly for any activity that disturbs or removes the durable cover, such as during future redevelopment for other commercial/industrial land uses or where other more sensitive land uses are planned.

- Compliance with this and future O&M Plans designed to assure long-term functionality and protectiveness of engineering controls, including durable covers and vapor mitigation systems, to ensure that they continue to function as designed.

Existing durable covers at the Site, which are engineering controls, include streets, sidewalks, existing buildings, asphalt and concrete pavement, and/or other durable covers that prevents human contact with the underlying existing soil. This O&M Plan describes the long-term maintenance and monitoring requirements for the durable cover and includes:

- A description of inspection, maintenance, and repair for the durable cover;
- A maintenance schedule;
- Guidance for inspection of signs, drainage features, vegetation, the condition of the durable cover, and shoreline strengthening;
- Repair procedures;
- Reporting requirements; and
- Emergency response planning and procedures related to operation and maintenance (O&M) of the Site.

A list of the projected inspection items, inspection procedures, generalized repair procedures, and inspection frequency is included as Attachment 1 of this O&M Plan.

Inspection, maintenance, and monitoring of the durable cover are required and are the responsibility of the Owner. The Owner may implement the requirements to inspect, maintain, and repair durable cover through designated representatives, including contractors, tenants, licensees, permittees, and other entities responsible for construction and/or operation of facilities at the Site, but the Owner remains responsible for ensuring compliance and submitting annual monitoring reports to the Water Board. In this O&M Plan (other than Section 4.0), the term "Owner" includes an Owner's representative, except where the term is used in the context of the requirement to ensure compliance and submit annual reports to the Water Board. Owner's representatives responsible for operating or maintaining discrete facilities or areas on the Owner's portion of the Site, such as tenants, contractors and facility operators may conduct annual self-inspections of their portion of the property and certify completion using the Owner Checklist and Certification found in Attachment 1, and provide it to the Owner, for inclusion in the Owner's annual monitoring report submitted to the Water Board.

3.0 INSPECTION, MAINTENANCE, AND REPAIR

This section describes the O&M personnel responsible for inspecting site conditions, and the inspection, maintenance, and repair tasks associated with durable covers.

3.1 O&M PERSONNEL

The Owner will retain qualified personnel and contractors to perform O&M at the Site under the direction of a California Professional Engineer (PE) to provide adequate long-term support for the remedy. O&M activities and associated qualifications may change as part of redevelopment of the Site and as the O&M plan is revised for specific site conditions as they change over time.

3.2 INSPECTION OF SITE CONDITIONS

The Owner will inspect general conditions throughout the Site. Inspections must identify any changes in land use, grading, excavation, new construction, damage to durable cover, or other conditions that could result in unacceptable exposure to existing soil. Inspections will include site access points and integrity of site access controls and signage. Any issues of concern (i.e., evidence of unauthorized digging, evidence that site security is compromised, damage to durable cover that results in exposure to existing soil) must be reported to the Water Board and remedied as soon as practicable but no later than 2 weeks after the subject Owner becomes aware of the breach. Repairs to the durable cover should be consistent with and functionally equivalent to the original installation design drawings, or consistent with the temporary or final durable covers described in Section 3.3.

3.3 DURABLE COVERS

The durable cover is a component of the remedies for all areas of the Site and must be maintained. The objective of the durable cover is to provide a physical barrier to prevent exposure of the underlying existing soil to users of the Site. The "durability" of the cover should be such that a typical user cannot penetrate the cover by simple means (without mechanical equipment) and access the underlying existing soil. At any time a durable cover is removed and the underlying existing soil is exposed, the Owner shall implement the protocols included in this Section 5 of the RMP (access controls, construction worker health and safety, spill prevention, soil management, dust control, odor control, stormwater management, groundwater management, etc.), and Section 6 of the RMP, as applicable.

Because the planned development of the Site will occur in time-discrete phases over several years, the durable cover may exist in different configurations throughout the development period, all of which must meet the objective of the durable cover component of the remedy. The durable cover may exist in the following configurations:

Existing Durable Cover: The existing buildings, asphalt pavement, and other hardscape constitute a durable cover that acts as a physical barrier which protects current Site users against the potential exposure of contaminants in the existing soil that may impact human health. Disturbance or removal of the existing durable cover will trigger implementation of the protocols included in Sections 5 and

6 of the RMP (access controls, construction worker health and safety, spill prevention, soil management, dust control, odor control, stormwater management, groundwater management, etc.), until such time that a durable cover is re-established.

Final Durable Cover: A final durable cover must be installed and in place upon completion of the horizontal and vertical development of the Site and prior to issuance of a certificate of occupancy. Appropriate final durable cover materials include engineered hardscape (e.g., concrete building foundations, asphalt and concrete paving, and landscape interlocking paver blocks) or softscape (e.g., 4-foot thick layer of clean soil (see RMP Section 5.5.3), underlain by a demarcation layer). The Owner/ is required to maintain the integrity of the final durable cover in accordance with this O&M Plan to ensure that it meets the durable cover performance objective. Following the installation of the final durable cover, any intrusive activities associated with minor construction, utility repairs, and cover maintenance where the durable cover is disturbed or removed, the final durable cover shall be replaced by the Owner as soon as practicable after the work has been completed. Any alternative final durable cover configurations must be approved by the Water Board.

Temporary Durable Cover: A temporary durable cover may be installed during the horizontal development stages of the project, between the completion of horizontal development and the start of vertical development, or at any time when existing soil is exposed and construction work has been temporarily suspended. The temporary durable cover may be installed at discrete locations or on specific development blocks while development work is occurring in other areas at the discretion of the Owner. A temporary durable cover may remain in place until development activity is re-initiated at that location and a final durable cover installed. Appropriate temporary durable cover materials include any of the following: i) materials identified as appropriate for the final durable cover; or ii) a 12-inch thick layer of compacted clean soil over a demarcation layer; or iii) a 4-inch thick layer of compacted gravel over a demarcation layer; or iv) a 2-inch thick layer of asphalt over a 2-inch layer of sub-base material. Alternative temporary durable cover configurations must be approved by the Water Board. The Owner is required to maintain the integrity of the temporary durable cover in accordance with this O&M Plan to ensure that it meets the durable cover performance objective.

3.4 Inspection, Maintenance, and Repair of Durable Covers

This section describes the procedures for inspection, maintenance, and repair for the durable covers, which include the existing asphalt and concrete pavement, soil/gravel cover, and building foundations. In general, any deficiencies that reduce the protectiveness of the cover to human health and the environment will be corrected. In some cases, damaged areas may need to be secured to prevent access by the public while repairs are planned and implemented. The Owner will evaluate the need for and type of security appropriate in relation to the repair needed.

Recording the inspection through forms, note taking, and photographs is a necessary part of the inspection. An Inspection logbook will be maintained and include field notes and photographs recorded during inspections. The list of inspection items, procedures, and frequency is included as Attachment 1 to this O&M Plan and will be modified as necessary after construction, during the course of redevelopment, and during O&M.

The Owner will inspect general conditions throughout the Site annually in the fourth quarter of each year, and will inspect asphalt and concrete pavement cover and building foundations after earthquakes for settling, cracking, or other breaches. Refer to Attachment 1 for inspection tasks, triggers, and procedures.

3.4.1 PAVEMENT COVER AND BUILDING FOUNDATIONS

Existing pavement, primarily asphalt, and building foundations minimize contact with and release of the COCs in soil at the Site.

Maintenance, repair, or replacement of the asphalt pavement or building foundations is required when damage that reduces the effectiveness of the remedy is observed. During the required annual inspections and after significant seismic events asphalt pavement will be inspected for signs of stress, which may include excessive cracking and settlement. Cracking of these covers is expected over time and is not necessarily an immediate concern, but should be repaired when underlying soil becomes exposed or accessible or when expansion of cracks is observed. Settlement and subsidence are not an immediate concern but should be monitored over time and repaired if water accumulation is or becomes persistent. Items to note during inspection of the asphalt pavement and building foundations include:

- Pavement condition (depressions and excessive cracking);
- Cracks in the building foundation;
- Crawl space access is blocked off (where applicable);
- Wear and tear due to excessive vehicle or pedestrian traffic;
- Settlement and subsidence;
- Surface water accumulation indicative of inadequate drainage; and
- Vandalism and unauthorized access to Site or buildings.

Vegetation should not be present over the asphalt pavement portion of the Site. Vegetation should be removed when present and cover should be repaired to prevent future growth.

Building foundations should be inspected for cracking or signs of stress from outside of the buildings. Building interiors should be inspected when exterior cracking or evidence of unauthorized access is observed. Access points to sub-slab or subfloor crawl spaces should be inspected for integrity and evidence of vandalism or tampering.

Deficiencies, damage, settlement, or failure of the asphalt pavement and the building foundations will be repaired when underlying soil is exposed or accessible. Temporary repairs will be made, if necessary, until permanent repairs can be scheduled.

3.4.2 VEGETATED SOIL COVER

The soil cover specified by the RMP is designed to minimize contact with contaminants in existing soil at the Site. The specified cover consists of a 4-foot-thick clean soil layer over a demarcation layer in landscaped portions of the Site. The clean soil layer must accommodate the depth of root bearing zones and/or irrigation systems to assure that general maintenance workers will not contact any of the existing soil below the demarcation layer. Applicable O&M-related documentation for the components of the soil cover is included in Attachment 1 of this O&M Plan and will be updated after construction of soil covered or landscaped areas. Items to note during inspection of the vegetated soil cover include:

- Evidence of erosion, potentially including exposed demarcation layer;
- Visible depressions and excessive vehicle tire ruts;
- Proper surface water drainage;
- Settlement and subsidence;
- Slope failure;
- Vandalism;
- Evidence of burrowing pests;
- Vegetation stress; and
- Bare spots.

3.4.3 GRAVEL COVER

Existing gravel covers minimize contact with COCs in soil at the Site. Maintenance and replacement of the gravel cover is required when it diminishes, or is removed, reducing the effectiveness of the remedy. During the required annual inspections, the gravel cover will be inspected to ensure adequate continued coverage over underlying soils. Items to note during inspection of the gravel cover include:

- Evidence of erosion, including exposure of underlying soil;
- Visible depressions;
- Proper surface water drainage;
- Settlement and subsidence;
- Vandalism;
- Vegetation stress; and
- Bare spots.

4.0 REPORTING

An annual inspection report will be prepared to summarize the inspections for each year (see Section 3.6 of the RMP). The Owner must complete an Annual Report and O&M Checklist (Attachment 1) by December 31 if each year and submit the Annual Report and O&M Checklist to the Water Board by March 31 of the following year, for review and approval. The annual inspection report will include, at a minimum, the results of the inspections and a summary of all repair and maintenance activities conducted. The annual inspection report will be certified by the Owner.

The Owner is ultimately responsible for the annual inspection and reporting requirements, and incident reporting that is outside of the annual inspection process (see Section 3.6 of the RMP). If there are multiple Owners of the Site, all of the Owners shall cooperate and work together to provide the Water Board with a single submittal that meets the annual inspection and reporting requirements, but each Owner remains responsible for compliance with all aspects of the RMP for their respective portions of the Site. The Owner shall work with all appropriate parties to correct any problem(s) discovered and cooperate with the agencies during the performance of their inspection and enforcement responsibilities.

The Annual Inspection Report shall at a minimum include the following content:

- Results of the visual inspections and any supporting data;
- Description of actions taken during the reporting period, including any repairs to the cover that were identified and carried out;
- Photographic documentation of the various covers, including photographs taken before and after any minor maintenance or repairs;
- Description of any significant changes in site conditions and usage;
- Description of any additional onsite construction or other information that may relate to the cover or impact cover function;
- Conclusions regarding the ongoing effectiveness of the cover;
- Description of any maintenance or repairs identified as needed during the inspection;
- Copies of signed inspection forms completed during the reporting period.

Additional reporting may be necessary following significant repairs to components of the remedy, such as repairs conducted under an agency-approved work plan[2], or after inspection triggered by an

2 Work that disturbs a 1,250 sf or larger area requires advance notification to the Water Board. Work that does not comply with the RMP requires a Water Board approved work plan. Work that disturbs more than 50 cubic yards of soil may require work plans and site mitigation plans in accordance with the City of San Francisco's Article 22A (Maher) Ordinance.

earthquake or other natural event. General maintenance tasks, such as filling potholes, sealing pavement, repair of fencing or signage, and replacing damaged drainage features would not require the submittal of a work plan and agency approval.

The Owner shall provide a copy of the O&M Plan to lessees, permittees, tenants, contractors, future transferees or any other party with the legal right to perform subsurface work on the Site.

5.0 EMERGENCY RESPONSE PLAN

Some emergencies can affect the integrity or effectiveness of the durable cover, fencing and signage, or other features of the remedy. Although the Owner will take action to reduce the potential for emergencies, it is possible for events to occur at the Site that cannot be prevented. This plan provides response procedures for the following occurrences that threaten the effectiveness of the durable cover:

- Vandalism
- Fires
- Earthquake
- Floods
- Surface drainage problems
- Release of potentially contaminated materials (soil, soil gas, or water)

Attachment 2 provides recommended responses for the above emergencies.

6.0 O&M PLAN REVISIONS

This O&M Plan applies only to the durable cover. Potential future conditions (e.g., changes in land use, type of construction) may require additional engineering controls. In the event that additional engineering controls are installed, either this O&M Plan will be revised accordingly or a separate O&M Plan will be prepared or revised. As redevelopment proceeds, changes to the O&M Plan may be needed to address changes in land use, design, construction materials and methods, or other conditions. This O&M Plan may therefore change as durable cover construction is completed in various portions of the Site. The Owner will revise the O&M Plan as needed to reflect as-built conditions, or when experience shows a deficiency in the identification, frequency, or adequacy of repair needs over time. The Owner will develop and submit proposed revisions to the Water Board, and other applicable agencies, for review and approval.

7.0 REFERENCES

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Terra Pacific Group (TPG). 2020b. Remedial Plan, Tank Farm Areas, Power Plant Site, San Francisco, California. TBD.

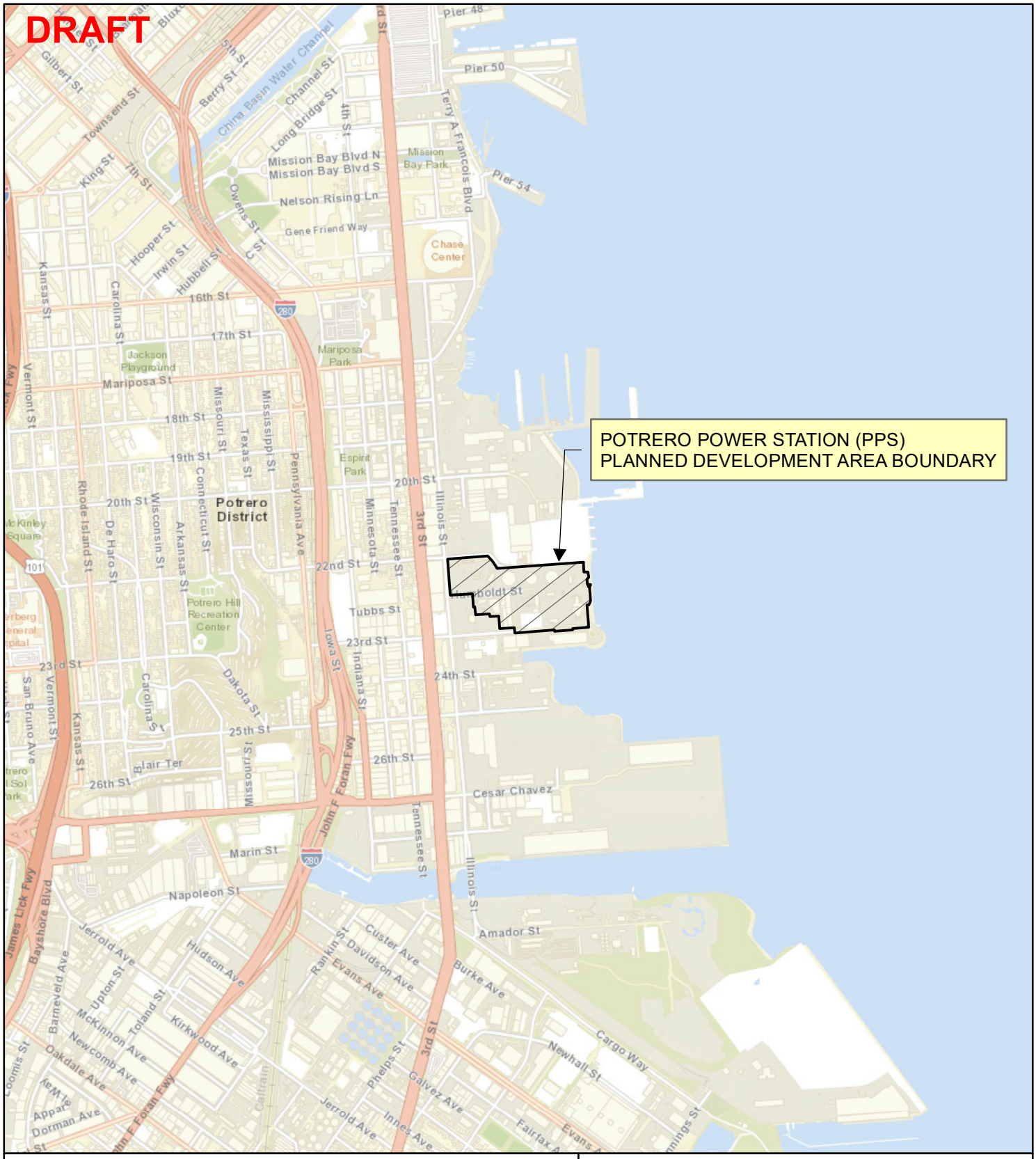
FIGURES

ATTACHMENT 1

Inspection Checklist

ATTACHMENT 2

Emergency Response Plan



N

0 2,000 Feet

Site Location Map

Risk Management Plan
Potrero Power Station
San Francisco, California

Geosyntec consultants

WR2273	March 2020	Figure 1

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DRAFT

22ND STREET

SWITCHYARD/GC YARD AREA (RMP / LUC)

BLOCK 13

GEORGIA STREET

BLOCK 14

CRAIG LANE

PIER 70 (RMP / LUC)

BLOCK 1

LOUISIANA STREET

TANK FARM (REMEDIATION TBD)

BLOCK 2

BLOCK 3

BLOCK 4

HUMBOLDT STREET

OFFSHORE AREA (OSA) (REMEDIATION COMPLETE)

SAN FRANCISCO BAY

ILLINOIS STREET

BLOCK 5

GEORGIA LANE

BLOCK 15

BLOCK 7

STATION A AREA (RMP / LUC)

MARYLAND STREET

BLOCK 8

DELAWARE STREET

NORTHEAST AREA (NEA) (REMEDIATION COMPLETE)

BLOCK 9

BLOCK 11

BLOCK 12

UNIT 3 AREA (RMP / LUC)

23RD STREET

TRANS BAY CABLE / HARRIGAN WEIDENMULLER COMBINED SITE (RMP / LUC)

Source: CBG, 2020

LEGEND

- PROPOSED PROJECT BOUNDARY
- ADJACENT PROPERTY BOUNDARY
- PROPOSED PARCEL BOUNDARIES
- PORT / CITY OWNED PROPERTY
- CBC OWNED PROPERTY & PROPOSED CBC LUC
- PROPOSED SITEWIDE RMP
- PROPOSED OFFSHORE AREA RMP
- EXISTING REMEDIATION AREAS
- PG&E AND CBC OWNED PROPERTY

0 150

PG&E and CBC Owned Portions of the Potrero Power Station

Potrero Power Station
420 23rd Street,
San Francisco, California

Geosyntec consultants

WR2273 | March 2020

Figure 2

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Attachment 1
Inspection Checklist
Operation and Maintenance Plan
Sitewide Risk Management Plan
Potrero Power Station
San Francisco, California

Date and time of inspection:	**Inspector name and organization:**
Area(s) of Inspection:	
Weather and tidal conditions – include details of most recent rain event:	
Response for inspection (circle one): Scheduled Emergency response	**If inspection is initiated by an emergency response, explain condition:**

General Site Condition (Applies to all Areas of the Site)

Item	Inspection Frequency	Action/Inspection Item	Comments – Including Explanation if not Completed. Include any Photo Descriptions
Overall condition of Site	Every inspection	Note general conditions. Trash and debris accumulation, unauthorized access, etc.	
Land use	Every inspection	Digging or unauthorized land use per Land Use Control	
Security of Area	Every inspection	Assess condition of fence, including holes, corrosion, digging, and concrete condition – repair as necessary	
		Condition of locks, fencing, and gates – repair and replace as necessary	
		Note signs of vandalism	

Attachment 1
Inspection Checklist
Operation and Maintenance Plan
Sitewide Risk Management Plan
Potrero Power Station
San Francisco, California

General Site Condition (Applies to all Areas of the Site)			
Item	**Inspection Frequency**	**Action/Inspection Item**	**Comments – Including Explanation if not Completed. Include any Photo Descriptions**
		Note evidence of unauthorized access to areas of exposed existing soil.	
		All signs in place and secure – repair and replace as necessary	
Site signage	Every inspection	All signs in place and secure – repair and replace as necessary	
		Wording legible – replace and repair as necessary or document degradation	
		Note signs of vandalism	
Surface Inspection	Every inspection	Assess cracking in asphaltic concrete layer and inspect transition between cover and utility features such as manholes and utility boxes	
		Assess cracking in foundations	
		Assess the crawl space access to maintain the prevention of unauthorized access	
		Assess bare/exposed soils in areas of gravel cover	
		Evidence of settlement and subsidence	
		Note evidence of burrowing pests	
		Assess accumulation of soils over cover	
		Inspect areas of previous repair	

Attachment 1
Inspection Checklist
Operation and Maintenance Plan
Sitewide Risk Management Plan
Potrero Power Station
San Francisco, California

General Site Condition (Applies to all Areas of the Site)			
Item	**Inspection Frequency**	**Action/Inspection Item**	**Comments – Including Explanation if not Completed. Include any Photo Descriptions**
		Remove vegetation, repair asphalt	
		Note signs of unauthorized access to the Site or the buildings	
Storm water drainage	Every inspection	Observe areas of accumulated water from cracking and settlement	
		Remove trash and debris from catch basins	
		Monitor areas of accumulation in the vicinity of Site buildings	
		Note evidence of overflow in drainage channels	
		Remove trash or debris from drainage channels	
		Note any change in condition of drainage contributing areas	

Attachment 1
Inspection Checklist
Operation and Maintenance Plan
Sitewide Risk Management Plan
Potrero Power Station
San Francisco, California

Durable Covers			
Item	**Inspection Frequency**	**Action/Inspection Item**	**Comments – Including Explanation if not Completed. Include any Photo Descriptions**
Vegetated Soil Cover	Every inspection	Assessment of unhealthy/bare areas, and degradation of soil cover	
		Note evidence of burrowing pests	
		Note signs of unauthorized disturbance of planter soil (i.e., excavation, grading, trenching, filling, drilling)	
		Note evidence of soil cover settlement or removal	
		Evidence of slope failure along boundaries and slope transition areas	
		Evidence of cracking or soil movement	
Compacted Sand at Former ASTs (Tank Farm)	Every inspection	Assessment of unhealthy/bare areas, and degradation of sand cover	
		Note evidence of burrowing pests	
		Note signs of unauthorized disturbance of compacted sand (i.e., excavation, grading, trenching, filling, drilling)	
		Note evidence of sand cover settlement or removal	
		Evidence of slope failure along boundaries	
		Evidence of cracking or sand movement	

Attachment 1
Inspection Checklist
Operation and Maintenance Plan
Sitewide Risk Management Plan
Potrero Power Station
San Francisco, California

Durable Covers			
Item	**Inspection Frequency**	**Action/Inspection Item**	**Comments – Including Explanation if not Completed. Include any Photo Descriptions**
Pavement Cover and Building Foundations	Every inspection	Note presence of cracks (>1/4 inches)	
		Evidence of degradation, swelling, depression or pot-hole	
		Evidence of excessive weathering of asphalt or concrete pavement	
		Note excessive vegetation through asphalt or concrete pavement	
		Note Disturbance of asphalt or concrete pavement (i.e., excavation, grading, trenching, filling, drilling)	
		Evidence of cracking or soil movement	
Gravel	Every inspection	Assessment of unhealthy/bare areas, and degradation of gravel cover	
		Note evidence of burrowing pests	
		Note signs of unauthorized disturbance of gravel layer (i.e., excavation, grading, trenching, filling, drilling)	
		Note evidence of sand cover settlement or removal	
		Evidence of slope failure along boundaries	
		Evidence of cracking or sand movement	

Attachment 1
Inspection Checklist
Operation and Maintenance Plan
Sitewide Risk Management Plan
Potrero Power Station
San Francisco, California

Other Observations:

Attachment 1
Inspection Checklist
Operation and Maintenance Plan
Sitewide Risk Management Plan
Potrero Power Station
San Francisco, California

Follow-Up Actions (Include area requiring further action):	
Signature:	**Date:**

ANNUAL RISK MANAGEMENT PLAN (RMP) OWNER INSPECTION REPORT

Operation and Maintenance Plan

Sitewide Risk Management Plan

Potrero Power Station

San Francisco, California

Property Owner/ Site Operator/Owner's Designated Representative: _____

Address: _____

Site Contact: _____

1. Have any of the following activities been conducted within the past year? (Check all that apply.)

   ☐ Excavation of soil;

   ☐ Construction of roads, utilities, facilities, structures, and appurtenances of any kind;

   ☐ Demolition or removal of hardscape (e.g., concrete or asphalt roadways, parking lots, foundations, and sidewalks);

   ☐ Any maintenance activities that may have disturbed the final soil cover except for the upper 2 feet of landscaped areas where clean fill has been placed; or

   ☐ Grading or other movement of soil.

   Describe all pertinent activities related to each checked above.

   _____

   _____

   _____

   Have any of the following ground-disturbing activities been conducted in the past year that required Water Board approval?

   ☐ Land disturbance activities which include but are not limited to those listed above, and any other activity that causes or facilitates the movement of known contaminated groundwater;

   ☐ Alteration, disturbance, or removal of any component of a response or cleanup action (including but not limited to shoreline protection and durable cover), groundwater extraction, injection, and monitoring wells and associated piping and equipment, or associated utilities;

☐ Extraction of groundwater and installation of new groundwater wells; or

☐ Removal of or damage to security features (e.g., locks on monitoring wells, survey monuments, fencing, signs, or monitoring equipment and associated pipelines and appurtenances).

Describe all pertinent activities related to each activity checked above.

_____

_____

_____

_____

2. For activities conducted in the past year, describe durable cover remedy completion. Attach remedy completion report as required by the RMP or refer to previously submitted documentation. Remedy completion report to include activity description, notification protocol description, reference to Work Plan for restricted activity, boring/well logs if completed, analytical laboratory reports if applicable, waste disposal manifests, and description of final site conditions including as-built construction drawings.

   a. Is a modification of durable cover required due to the activity?

      ☐ Yes ☐ No

      If Yes, describe proposed modification and attach a Work Plan, revised operations and maintenance protocol, a revised monitoring program, and an implementation schedule.

      _____

      _____

3. Are there any proposed activities for the coming year? ☐ Yes ☐ No

   If Yes, please describe activity and attach Work Plan as required: _____

   _____

   _____

SOIL MANAGEMENT

a. Has an environmental health and safety plan (EHSP) been prepared for the ground-disturbing activity? ☐ Yes ☐ No

b. Indicate any unexpected conditions that were encountered.

   ☐ Soil Contamination

☐ Groundwater Contamination

☐ Naturally Occurring Asbestos (NOA)

☐ Subsurface Structures (Underground Storage Tanks, sumps, other)

☐ Buried Pipelines

☐ Olfactory or Visual Evidence of Contamination

☐ Other: _____

c. Were corrective actions or notifications conducted in response to unexpected conditions?

☐ Yes ☐ No

Describe: _____

_____

_____

d. Was any soil generated as part of the activity? ☐ Yes ☐ No

_____

_____

If soil was generated, describe below:

☐ Profiling. Describe sampling methods and attach analytical laboratory data:

_____

_____

☐ Reuse. Specify method and location of final disposition of soil:

_____

_____

☐ Off-site disposal. Describe the disposal facility:

e. Was soil imported to the Site? ☐ Yes ☐ No

If Yes, describe sampling and quality controls and compliance with the Soil Importation Plan (SIP) or refer to previously submitted documentation:

Has a Stormwater Pollution Prevention Plan (SWPPP) been implemented for construction activity that triggers construction stormwater permit requirements? ☐ Yes ☐ No

Describe runoff testing, best management practices implemented as part of the SWPPP or refer to previously submitted documentation:

GROUNDWATER MANAGEMENT

a. Were dewatering activities conducted as part of the activity? ☐ Yes ☐ No

b. If Yes:

i. How much water was extracted and what were the methods?

ii. What were the storage vessels for extracted groundwater?

iii. Describe profiling and disposal procedures:

iv. Was water disposed to the sewer system? ☐ Yes ☐ No

If Yes, was an NPDES permit obtained? ☐ Yes ☐ No

If Yes, please attach all compliance documentation.

c. As part of the activity, were any groundwater monitoring wells destroyed, repaired, or installed? ☐Yes ☐No

d. If Yes, please describe including notifications and regulatory approval and attach report including well locations, identification of driller and drilling procedures, decontamination procedures, lithologic logs, wells development procedures, survey data, any sampling data if collected, and investigation-derived waste disposal.

_____

_____

OWNER ANNUAL INSPECTION REPORT CERTIFICATION

Operation and Maintenance Plan

Sitewide Risk Management Plan

Potrero Power Station

San Francisco, California

Property Owner: _____

Address: _____

Site Contact: _____

I certify that this document and all attachments presented in this report are accurate and complete. This report was prepared by the staff of **PROPERTY OWNER or OWNER DESIGNATED REPRESENTATIVE** under my supervision to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person(s) who are directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete.

_____ _____

Signature Date

Attachment 2
Emergency Response Plan
Operation and Maintenance Plan
Sitewide Risk Management Plan
Potrero Power Station
San Francisco, California

Occurrence	Threat Posed	Response
Vandalism (that results in exposure of soil)	Monitoring systems rendered inoperative Site security compromised Health or safety hazards, or both Damage to durable cover Exposure to existing soil	1. Immediately conduct visual inspection of vandalism to assess damage and potential impacts 2. In the event of a safety hazard, immediately cordon off the affected area. 3. Notify in accordance with the RMP. 4. For damage to durable cover that results in unacceptable exposure to existing soil, arrange immediate temporary repairs (if necessary) and arrange repair or restoration within 2 weeks (weather conditions permitting) to design conditions and in accordance with repair specifications. 5. Recommended preventative measures.
Fire	Health and safety hazards Damage to monitoring systems Damage to vegetation Impacts to erosion and drainage	1. Notify City of San Francisco Fire Department (call 911), notify in accordance with the RMP when safe to do so. 2. Immediately conduct visual inspection of area to assess damage and potential impact. 3. Immediately cordon off affected area. 4. For damage or potential damage to other components that affect integrity of the durable cover, security, or safety, arrange immediate temporary repairs (if necessary) and arrange repair or restoration within 2 weeks (weather and conditions permitting) to design conditions and in accordance with repair specifications. 5. Notify regulatory agencies in accordance with the RMP.

Attachment 2
Emergency Response Plan
Operation and Maintenance Plan
Sitewide Risk Management Plan
Potrero Power Station
San Francisco, California

Occurrence	Threat Posed	Response
Earthquake[a]	Health and safety hazards Damage to monitoring systems Slope failure Damage to durable cover and/or shoreline improvements from differential settlement, translocation, or cracking Exposure of existing soil Release of sediment	1. Conduct visual inspection of area to assess damage and potential impact, as soon as conditions are determined to be safe. 2. In the event of safety hazards, immediately cordon off area. 3. Inspect Site building foundations for damages, such cracking, and repairs as necessary to restore to previous conditions. 4. In the event of damage to monitoring systems, contact maintenance contractor to facilitate repairs. 5. Resurvey the area and increase the frequency of inspection and maintenance of final cover and final grading to quarterly for period of 1 year. 6. In event of apparent slope failure, surface cracking, or similar damage, contact the contracted geotechnical consultant, as appropriate, to participate in an evaluation of problem areas within 10 days of notice. If necessary, perform a geotechnical investigation of failure to develop a corrective action plan. 7. For damage or potential damage to other components that affect integrity of the durable cover, site security or safety, arrange immediate temporary repairs (if necessary) and arrange repair or restoration within 2 weeks (weather and conditions permitting) to design conditions in accordance with repair specifications. Notify regulatory agencies in accordance with the RMP **Recommended Equipment:** erosion control blankets or media, bulldozer, loader, compactor, sand, clean fill, cordon tape, cover materials, patching and sealing materials, and paving equipment.

Attachment 2
Emergency Response Plan
Operation and Maintenance Plan
Sitewide Risk Management Plan
Potrero Power Station
San Francisco, California

Occurrence	Threat Posed	Response
Flooding and Surface Drainage Problems	Damage to cover or its components Saturation of soil slopes and instability Erosion and undercutting of foundations, cover, and utilities	1. Immediately conduct visual inspection of area to assess damage and potential impact. 2. In the event of safety hazard, immediately cordon off the affected area. 3. If necessary, conduct a geotechnical investigation of failure in order to develop a corrective action plan. 4. For damage or potential damage to components that affect Site integrity, security, or safety, arrange repair or restoration within 2 weeks (weather and conditions permitting) to design conditions and in accordance with repair specifications. 5. Investigate preventative measures. 6. Notify in accordance with of the RMP. **Recommended Equipment:** portable berm, absorbency media or blankets, loader/backhoe, clean fill soil, high-solids-passing explosion-proof portable pump, Baker tank or waste receptacles, cordon tape, sandbags, cover materials, patching and sealing materials, and paving equipment.
Release of potentially contaminated soils	Health and safety hazards Potential environmental impacts	1. Immediately conduct visual inspection of area to assess damage and potential impacts. 2. In the event of safety hazards, immediately cordon off area. 3. Notify Owner. 4. Identify the discharged material, if possible. If hazardous or toxic, contact a licensed company that handles hazardous or toxic waste disposal to remove the waste. 5. Use necessary heavy equipment to restore area. 6. Notify regulatory agencies in accordance with the RMP. 7. Repair cause of release. **Recommended Equipment:** portable berm, absorbency media or blankets, loader/backhoe, clean fill soil, high-solids-passing explosion-proof portable pump, Baker tank or waste receptacles, cordon tape, sandbags, cover materials, patching and sealing materials, and paving equipment.

Notes:

a The Owner or its designated representative will determine the appropriate trigger for inspection and emergency response in consultation with other agencies.

APPENDIX F
Notification Template for Ground Disturbing Activities

NOTICE OF INTENT TO CONDUCT GROUND DISTURBING ACTIVITIES
SITEWIDE RISK MANAGEMENT PLAN
POTRERO POWER STATION SITE
SAN FRANCISCO, CALIFORNIA

This Notice of Intent to Conduct Ground Disturbing Activities is being submitted to the San Francisco Regional Water Quality Control Board (Water Board) in partial compliance with the Sitewide Risk Management Plan, Potrero Power Station, 420 23rd Street, San Francisco, California. This notification is to be submitted to the Water Board 3 day prior to commencing work.

Submit to: Mark Johnson at Mark.Johnson@waterboards.ca.gov and fax to (510) 622-2460

Contacts			
Owner:	Ph: Cell:	Address:	
General Contractor:	Ph: Cell:	Address:	
Field Superintendent	Ph: Cell:	Address:	

Description of Work			
Description of ground disturbing activity:			
Location of work:			
Type of cover to be disturbed:			
Area of Cover to be disturbed:			
Volume of soil to be excavated:			
Volume of soil for reuse:		Location of reuse:	
Volume of soil for off-haul:		Disposal site:	
Are groundwater management activities required? (if yes describe below)			
Are permits/notifications to other agencies required? (if yes describe below)			

Site Restoration Plan			
Volume of Soil for backfill:		Backfill source[1]:	
Type of cover to be restored:			
Area of cover to be restored:			
Schedule:	Start Date: Duration: End Date:		

As the Owner, or Owners Representative, I_____(name) certify that the work described in this notification will be done in accordance with the (date) Sitewide Risk Management Plan for the former Potrero Power Plant.

[1] Analytical data for import material to be provide to the Water Board prior to placement.

ADDENDUM - 06/16/16

Distribution: Mr. Mark Johnson, Water Board (Mark.Johnson@waterboards.ca.gov)
(Owner)
(General Contractor)

APPENDIX G
Environmental Health and Safety Plan Outline

APPENDIX G
ENVIRONMENTAL HEALTH AND SAFETY PLAN OUTLINE
POTRERO POWER STATION SITE
SITEWIDE RISK MANAGEMENT PLAN
SAN FRANCISCO, CALIFORNIA

All environmental health and safety plans (EHSPs) will include a description of specific tasks to be performed, key personnel, health and safety responsibilities, site background, job hazard analyses and control procedures, air monitoring requirements, personal protective equipment, work zones and site security measures, decontamination measures, general safe work practices, contingency plans and emergency information, medical surveillance and specific training requirements. An example outline of an EHSP is presented below:

SITE EMERGENCY INFORMATION

1.0 INTRODUCTION

- 1.1 Purpose of the Site Health and Safety Plan
- 1.2 Implementation and Modification of the Site Health and Safety Plan
- 1.3 Project-Related Documents

2.0 BACKGROUND AND DESCRIPTION OF WORK

- 2.1 Site Conditions and Background
- 2.2 Scope of Work

3.0 KEY PERSONNEL ROLES AND RESPONSIBILITIES

- 3.1 Project and Task Managers
- 3.2 Field Supervisor
- 3.3 Site Health and Safety Officer
- 3.4 Subcontractors, Visitors and Other Onsite Personnel

4.0 JOB HAZARD ANALYSES

5.0 GENERAL SITE SAFE WORK PRACTICES

- 5.1 Biological Hazards
- 5.2 Dust Control
- 5.3 Electrical Hazards
- 5.4 Excavation/Trenching
- 5.5 Fire/Explosion Control

5.6 Hand and Power Tools
5.7 Heat Stress
5.8 Heavy Equipment
5.9 Lifting
5.10 Lockout/Tagout
5.11 Material Handling
5.12 Noise
5.13 Overhead / Falling Debris
5.14 Slips/Trips/Falls
5.15 Utilities: Underground and Overhead
5.16 Vehicle Traffic

6.0 CHEMICAL HAZARDS

6.1 Chemicals of Concern
6.2 Action Levels

7.0 PERSONAL PROTECTIVE EQUIPMENT

8.0 AIR MONITORING REQUIREMENTS

8.1 Ambient Air Monitoring
8.2 Worker Exposure Monitoring

9.0 TRAINING AND MEDICAL MONITORING

10.0 CONTINGENCY AND EMERGENCY EVACUATION PLANS

11.0 SANITATION, HYGIENE AND DECONTAMINATION

11.1 Sanitation and Personal Hygiene
11.2 Drinking Water
11.3 Personnel Decontamination
11.4 Equipment Decontamination

12.0 SITE AND TRAFFIC CONTROL PLAN AND SITE SECURITY

12.1 Site Control
12.2 Traffic Control

13.0 REFERENCES

APPENDIX H

Soil Import Plan Material Acceptance Form

Geosyntec consultants

SOIL IMPORT MATERIAL REVIEW, INSPECTION, AND ACCEPTANCE FORM

Potrero Power Station, San Francisco, California

(Note: This document and supporting must be uploaded to GeoTracker prior to import of soil to the site.)

1. Project Name/Owner:	2. Block Number:	3. GeoTracker Number:
4. Acceptance Form Preparer:	5. Date:	
6. Source of Material and Location (Include full address and name of source property):		
7. Material Type (e.g., sand/silt/clay soil mixture; landscape topsoil; bay mud; quarry rock; etc.):		

8. Material Description:

a. Quantity: ☐ Borrow Area (acres): _____ ☐ Stockpile (CY): _____ ☐ Import volume (CY) _____

b. Source Category Type: ☐ Construction Site ☐ Virgin Rock Quarry ☐ Recycler/Dirt Broker ☐ Other _____

c. Environmental Documents Available: ☐ Phase I Report ☐ Phase II Report ☐ Regulatory Agency Closure Letters ☐ Geotechnical Report ☐ Other _____

d. Source Area COCs: ☐ Metals ☐ Pesticides ☐ PCBs ☐ SVOCs ☐ VOCs ☐ TPHs ☐ NOA ☐ Dioxins & Furans ☐ Radioactive

9. ATTACHMENTS

	Attached	Not Applicable	Specify
a. Sampling/Testing Plan *(See Sitewide RMP Section 5.5.3)*:	☐	☐	
b. Analytical Data:	☐	☐	
c. Other:	☐	☐	

10. SCREENING LEVEL EVALUATION

☐ Category 1: Unrestricted Use Soil (*to be placed as Durable Cover*) Analytes are below established criteria AND Physical samples deemed "acceptable" by Qualified Person	☐ Category 2: General Fill *(to be placed only beneath the Durable Cover)* Analytes are below established criteria AND Physical samples deemed "acceptable" by Qualified Person	☐ Agency Review and Concurrence Requested Soil does not strictly meet Category 1 or 2 criteria. Water Board is requested to review and accept/reject import. (Complete Section 11. Below)

11. Explanation of Acceptance or Reason for Review Request: (*Attach additional sheet if necessary*)

12. Environmental Professional: (Print Name and *Signature*):	13. Date:
14. Water Board Approval Required for Import? (Yes/No)	15. Date of Water Board Approval:

Geosyntec consultants

Instructions for Soil Import Material Review, Inspection, and Acceptance Form

1. **Project Name/Owner**: State the project name and Owner.
2. **Development Block Number:** State the development block number.
3. **GeoTracker Number**: State the GeoTracker global ID number for the Site.
4. **Acceptance Form Preparer:** State the form preparer's first and last name and credentials.
5. **Date:** Include the date the form was prepared.
6. **Source of Material and Location:** Include the location, name and full address the import material was sourced from.
7. **Material Type:** State the main soil or rock type the import material is composed of (e.g., sand/silt/clay soil mixture; landscape topsoil; bay mud; quarry rock; etc.)
8. **Material Description**
    a. **Quantity:** Check the appropriate box and include the quantity of material in acres (if borrow area) or cubic yards (if stockpile or import volume).
    b. **Source Category Type:** Check the appropriate box designating the type of source (construction site, virgin rock quarry, recycler/dirt broker, or other source type).
    c. **Environmental Documents Available:** Check the appropriate box for type of environmental documents (if any) available for the source. Reports may include Phase I, Phase II, geotechnical reports, regulatory agency closure letters, or other related documents.
    d. **Source Area Contaminants of Concern (COCs):** Check the appropriate box for the type of COCs present in the source material (if any). These may include pesticides, polychlorinated biphenyls (PCBs), semi volatile organic compounds (SVOCs), volatile organic compounds (VOCs), total petroleum hydrocarbons (TPHs), naturally occurring asbestos (NOA), dioxins and furans, and/or radioactive material.
    e. **Intended use of material:** Check the appropriate box for the intended use of the material 1) Category 1 Cover Soil, or 2) Category 2 General Fill Soil. Category 1 soil will be treated as "durable cover" and will be exposed at the ground surface, generally this will be in landscape beds or parks. Category 2 soil will be placed beneath a durable cover cap consisting of hardscape or Category 1 soil (see Section 10).
9. **Attachments:** Include any attachments pertaining to the import material to this form and upload to GeoTracker with this submittal. Descriptions of the type of attachments are included below.
    a. **Sampling/Testing Plan.** See Section 5.5.3 of the Sitewide Risk Management Plan (RMP) for guidance on requirements for sampling and testing of import material. Provide a brief description of the type of sampling and testing performed in this section.
    b. **Analytical Data:** Attach any analytical data packages or results with this submittal. Provide a brief description of the type of documents and sampling and testing performed in this section.
    c. **Other:** Attach any other documentation pertaining to the import material that may be applicable.
10. **Screening Level Evaluation:** Refer to Section 5.5.3 of the Sitewide RMP for soil import protocol and screening level evaluation.
    a. Category 1 soil is soil with unrestricted use and can be placed as durable cover. Soil may be considered Category 1 if it meets all acceptance criteria as outlined in the Sitewide RMP. The analytical data from the soil or import material testing will be compared against the import criteria Category 1 soil which are listed on Table 3 of the RMP. Physical samples must also be deemed "acceptable" by a Qualified Person.
    b. Category 2 soil is soil that is to be placed beneath the durable cover. The analytical data from the soil or import material testing will be compared against the import criteria Category 2 soil which are listed on Table 3 of the RMP. Physical samples must also be deemed "acceptable" by a Qualified Person.
11. **Explanation of Acceptance or Reason for Review Request:** Provide a brief explanation of why the soil is deemed acceptable for use and how it meets acceptance criteria. If Water Board review and

concurrence is requested in Section 10 above, then explain the reason for requesting review.

12. **Environmental Professional:** In this section an environmental professional must print and sign the form.
13. **Date:** Include the date of Environmental Professional signature.
14. **Water Board Approval Required for Import:** State if Water Board approval is needed for this submittal.
15. **Date:** Date of Water Board acceptance.

APPENDIX I

Construction Dust, Asbestos, Organic Vapor, and Noxious Odor Control Plan

Prepared for

California Barrel Company, LLC
1201-A Illinois Street
San Francisco, California 94107

APPENDIX H
DRAFT DUST, VAPOR AND ODOR CONTROL PLAN

POTRERO POWER STATION
San Francisco, California

Prepared by

Geosyntec consultants

engineers | scientists | innovators

1111 Broadway, 6th Floor
Oakland, California 94607

Project Number: WR2273

August 28, 2020

THIS PLAN MAY BE MODIFIED AT A FUTURE DATE IN RESPONSE TO COMMENTS FROM THE BAAQMD

APPENDIX H
CONSTRUCTION DUST, VAPOR AND ODOR CONTROL PLAN
POTRERO POWER STATION
San Francisco, California

Prepared by

Geosyntec Consultants, Inc.
1111 Broadway, 6th Floor
Oakland, California 94607

DRAFT

Doug Bielskis, P.E.
Senior Engineer

DRAFT

Randolph C. Brandt, P.G.
Senior Principal

Project Number: WR2273
August 28, 2020

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LIST OF APPENDICES

Appendix A: PPS Perimeter Air Monitoring Plan

DRAFT

ACRONYMS AND ABBREVIATIONS

ATCM	Airborne Toxic Control Measure
BAAQMD	Bay Area Air Quality Management District
CBC	California Barrel Company, LLC
COPC	contaminants of potential concern
DVOCP	Dust, Vapor and Odor Control Plan
HEPA	high-efficiency particulate air
km/h	kilometers per hour
MGP	manufactured gas plant
mph	miles per hour
MSL	mean sea level
NOA	naturally occurring asbestos
PAMP	perimeter air monitoring plan
PG&E	Pacific Gas & Electric
PPS	Potrero Power Station
RMP	risk management plan
SFDPH	San Francisco Department of Public Health
SWPPP	Storm Water Pollution Prevention Plan
VOC	volatile organic compound
Water Board	San Francisco Bay Regional Water Quality Control Board

DRAFT

1. INTRODUCTION

This Dust, Vapor and Odor Control Plan (DVOCP) has been prepared by Geosyntec Consultants, Inc. (Geosyntec), on behalf of California Barrel Company, LLC (CBC) for use within the Potrero Power Station (PPS) Development Project Area located at 420 23rd Street (also referenced as 1201A Illinois Street) in San Francisco, California (**Figure 1**). Overall, the PPS covers 34 acres and includes properties that are currently owned by PG&E, the Port of San Francisco, and CBC. CBC is the **Site** master developer and has initiated rezoning and developed design standards and controls for a multi-phased, mixed-use development. CBC has organized the **Site** into development blocks. The configuration of the development blocks and associated planned land uses are shown in **Figure 2**.

This DVOCP will be applicable at future development within property currently owned by CBC, the Port of San Francisco, and PG&E. The term "Site" will be used throughout this DVOCP to refer to the property currently entitled for redevelopment by CBC. Project information is as follows:

Developer Name and Address	Project Location/Schedule
California Barrel Company, LLC 1201A Illinois Street San Francisco, CA 94107	The Site is bordered by Illinois Street to the west, 23rd Street and industrial properties to the south, San Francisco Bay to the east, and the Port of San Francisco's Pier 70 property to the north (Figure 1).
	San Francisco, CA
	Start Date: October 2020
	Estimated Completion Date of Project: December 2035
	Job Trailer Location: The CBC field office is located near the intersection of future Humboldt and Maryland streets (Figure 1). This location may change as development work commences.

A separate perimeter air monitoring plan (PAMP) has been developed to identify the methods, procedures, and response actions for ambient perimeter air monitoring during horizontal development activities (**Appendix A**). The objective of the PAMP is to monitor the air quality at the perimeter of the Site to verify that Site control measures are effective at keeping Constituents of Potential Concern (COPCs) from leaving the Site and exposing off Site receptors. The PAMP describes the perimeter air monitoring network in relation to the various work zones, identifies the COPCs associated with the of Site inhalation exposure pathway, and establishes action levels, and associated response actions. The PAMP also describes methods and protocol to monitor concentrations of COPCs in the air at the perimeter of the Site to evaluate perimeter air quality, describes

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procedures for the management and communication of air monitoring results, and incorporates response actions to be implemented based on the monitoring data.

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2. REGULATORY FRAMEWORK

Construction and/or maintenance workers at the **Site** may need to access soil in areas where contaminants, including naturally occurring asbestos (NOA), may be present in existing soil. **Site** users and the public may also be exposed to dust and odor generated during maintenance and construction activities. Fugitive dust, asbestos dust, organic vapor, and noxious odors emitted during demolition of existing structures, excavation, grading, soil handling and stockpiling, vehicle loading, utility work, truck traffic, and construction of **Site** infrastructure are subject to the following regulatory requirements:

- California Code of Regulations Title 17, Section 93105, the Asbestos Airborne Toxic Control Measure (ATCM) for Construction, Grading, Quarrying, and Surface Mining Operations;
- BAAQMD Regulation 2, Rule 1, General Requirements for Permits;
- BAAQMD Regulation 6, Rule 1, Particulate Matter and Visible Emissions;
- BAAQMD Regulation 7, Odorous Substances;
- BAAQMD Regulation 8, Rule 40, Aeration of Contaminated Soil and Removal of Underground Storage Tanks;
- City and County of San Francisco Building Code Section 106A.3.2.6;
- City and County of San Francisco Health Code Article 22B; and
- City and County of San Francisco Department of Public Works Order Number 171, 378.

Collectively, these regulations specify a goal of "no visible dust" emissions that leave the perimeter of the Site and outline control measures required to meet this goal.

Any grading activity or construction activity that has the potential to generate dust anywhere on the Site, or in conjunction with a Work Site related offsite utility or trenching project, shall comply with the provisions of the DVOCP, including without limitation the control measures presented in **Sections 7 and 8**, at the beginning and maintained throughout the duration of the construction or grading activity.

DRAFT

3. PROJECT DESCRIPTION

This Section presents a description of the of the development activities to occur over the lifetime of the project and a description of the local topography and geology.

3.1 Development Description

As envisioned, CBC would develop market-rate and affordable residential uses, commercial mixed uses (including office and research and development uses), hotel use, community facility uses, retail and other active uses, and parking. The proposed Project would also include public access areas and open space, a rooftop soccer field and other active open space uses, shoreline improvements, an internal grid of public streets, shared public ways, all with supporting utilities infrastructure.

The development activities includes demolition of existing above and below grade structures that are not planned to be incorporated into development, mass grading to meet design grades and facilitate surface water drainage, installation of new below grade utilities, construction of new roads, reconstruction of existing roads, construction of public open spaces and construction of new housing and commercial buildings.

It is estimated that the total duration of all development activities at the Site could exceed 15 years. The configuration of the development blocks and associated planned land uses are shown in **Figure 2**.

3.2 Regional Topography and Site Setting

The Site is located in an industrial waterfront area of San Francisco, south of the central business district, and is bounded by Illinois Street to the west, 23rd Street and industrial properties to the south, San Francisco Bay to the east, and the Port of San Francisco's Pier 70 property to the north. The Site generally slopes to the east towards San Francisco Bay, and surface elevations range from mean sea level (MSL) along the shoreline to greater than 35 feet above MSL in the western portion of the site.

3.3 Regional Geology and Description of Fill Material

The Site is located within the Coastal Range geologic province. Regionally, the subsurface is comprised of anthropogenic fill overlying marine deposits and Franciscan bedrock. Subsurface areas of the **Site** have been significantly influenced by the extensive placement of fill. Much of the **Site** was formerly submerged beneath the Bay. The western part of the **Site** was filled primarily between 1870 and 1880 (Geomatrix, 2000) with some additional fill added to the eastern boundary in the 1950s to bring the **Site** near

its current grade and extent. The source of the fill imported to the **Site** prior to the 1950s is not known; however, information obtained from previous subsurface investigations indicates that the fill material is highly variable both laterally and vertically, consisting of locally derived crushed serpentinite bedrock (a source of NOA), building debris, clays, sands and possibly waste material from former industrial operations at the **Site** (Geomatrix, 2000). As part of the remediation at the Northeast Area in 2017 and 2018, some impacted fill was removed, in-situ solidification was implemented, and clean fill was imported and placed to restore the elevation of the original ground surface.

In general, the fill overlies Bay Mud and lean clay with some fine sand, except in the western part of the **Site** where it overlies serpentinite bedrock. The depth to Bay Mud where present ranges from approximately 10 to 52 feet below ground surface. The thickness of the Bay Mud ranges from absent in the western part of the **Site** to greater than 40 feet in some areas along the shoreline.

A heterogeneous layer composed of clay, silt, sand and gravel was encountered at many locations directly above the bedrock contact, beneath the Bay Mud (or the fill where the Bay Mud unit is absent). This layer ranges from 1 foot to approximately 10 feet in thickness. These materials likely are the result of natural weathering of the bedrock, as evidenced by similarity to serpentinite mineral composition and color, and/or to older sediments (Haley & Aldrich, 2016).

3.4 Scope of Development Work

Redevelopment work at the Site consists of six general activities to be conducted over the lifetime of the project:

- Demolition of existing structures and roads;
- Excavation of contaminated soil (i.e., restricted material as defined by the Sitewide Risk Management Plan [Sitewide RMP]) and off-site transport;
- Processing of uncontaminated soil (i.e., not restricted material as defined by the Sitewide RMP) for reuse as fill material;
- Mass grading and surcharging;
- Installation of new below grade utilities;
- Construction of durable covers (i.e., hardscape and softscape covers defined by the Sitewide RMP); and
- Construction of new structures.

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For each of these activities, this DVOCP will define control measures to be employed as long as earth disturbing activities are occurring. These control measures are described in **Sections 7 and 8** and shall be implemented in conjunction with the PAMP.

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4. LOCATIONS OF SERPENTINITE-CONTAINING EARTH MATERIAL WITHIN THE SITE

As stated in **Section 3.3**, the fill material placed within the Site may contain fragments of serpentinite that may or may not contain asbestos fibers at concentrations of concern, and in the western part of the site this fill material directly overlies serpentinite bedrock. For this reason, all development activities that have the potential to disturb historically placed fill material beneath the Site, or to directly disturb the serpentinite bedrock, will be subject to this DVOCP.

Construction projects where NOA is present are subject to the California Air Resources Board asbestos ATCM. For projects where surface soil contains NOA and will be disturbed in an area of one acre or larger (as defined in the ATCM), an Asbestos Dust Mitigation Plan (ADMP) approved by the BAAQMD is required. Due to the size of land that will be affected by the planned construction work, the suspected presence of NOA in the fill, and the proximity to NOA-containing bedrock, an ADMP has been prepared for the Site. This DVOCP includes protocol for establishing and implementing an asbestos dust monitoring program that complies with the asbestos ATCM and meets the requirements for the ADMP. Monitoring effectiveness will be addressed in the PAMP.

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5. LAND USES WITHIN 1000 FEET OF WORK SITE WITH SERPENTINE SOILS

Land use within 1000 feet of the Site is mixed residential, commercial, and industrial. For purposes of this DVOCP, sensitive land uses are defined as a residence, school, childcare center, hospital or other healthcare facility or group living quarters located within 1000 feet of the Site. Within 1000 feet of the Site, existing sensitive land uses are limited to residences within the Potrero neighborhood (west of the Site).The Pier 70 property (north of the Site) is scheduled for redevelopment as a mixed use community, including residential uses, that may be operational prior to the completion of Site development in 2035. Sensitive land uses are identified on **Figure 3**.

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6. POTENTIAL SOURCES OF DUST EMISSIONS

While all parties understand that soil disturbance and excavation activities, by their nature, will produce dust, Site controls will be used to mitigate visible dust as it is generated in an effort to achieve the goal that no visible dust emissions leave the perimeter of the Site. This section lists methods for control of fugitive dust generated by soil disturbance or excavation including:

- Demolition Activities — Wrecking, moving or dismantling of any load-supporting structural member or portion of a building; any related cutting, disjointing, stripping, or removal of structural elements; and crushing of concrete for recycling/reuse.
- Construction Traffic — Movement of construction equipment and/or materials around the Site on unpaved travel routes or on dirt-covered paved surfaces. Vehicular traffic on paved or unpaved roads and parking lots.
- Site Preparation and Foundation Work — Excavation, grading, placement of fill soil, excavation of footings and foundations, installation of shoring and backfilling operations, and processing of uncontaminated soil for use as general fill.
- Trenching and Road Construction Activities — Excavation of trenches for the installation of underground utilities and grading for road construction.
- Material Stockpiles — Stockpiles of excavated soil, recycled concrete or asphalt, or stockpiles of fill material.
- Cleanup and Final Site Grading — Backfilling, grading, and re-vegetating of the excavated areas.
- Any other "Construction," "Grading," "Construction or Grading Operation" or "Construction or Grading Activity" as defined in California Code of Regulations, Title 17, § 93105, subdivision (i)(12).

These potential sources of dust emissions and related dust control measures are discussed in **Section 7**.

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7. DUST CONTROL MEASURES

Sections 7.1 through 7.7 describe control measures that must be employed at the Site when earth disturbing activities are taking place. The dust control measures described in this document shall be employed in conjunction with the PAMP. If these control measures result in generation of visible fugitive dust leaving the Site or an exceedance of action levels established in the PAMP, additional contingency measures shall be applied, as presented in **Section 7.8**. For this DVOCP, the term "work site" refers to any portion of the Site in which construction or dust generating operations are occurring.

7.1 Track-out Prevention and Control

Track-out results when vehicles leave the work site with residual dirt or dust on the tires or undercarriage of the vehicle. This residual dirt or dust becomes deposited on the paved road surfaces leaving the Work Site and can later be stirred up as airborne dust by subsequent vehicle traffic. In order to control track-out, the following control measures will be implemented:

1. Removal of visible track-out from a paved public road at locations where vehicles exit the work site; this shall be accomplished using wet sweeping or a high-efficiency particulate air (HEPA) filter equipped vacuum device at the end of the work day or at least one time per day. No dry sweeping in areas where Site soils may have been tracked or otherwise deposited will be allowed due to the potential presence of NOA.
2. Installation of one or more of the following track-out prevention measures:
    a. a gravel pad designed using good engineering practices to clean the tires of exiting vehicles;
    b. a tire shaker;
    c. a wheel wash system (with all water contained, collected, and managed on site); or
    d. pavement extending for not less than fifty (50) consecutive feet from the intersection with the paved public road.
3. Wheel wash stations at areas where vehicles exit onto paved public roads from unpaved roads.
4. Inspection and cleaning of horizontal surfaces on trucks that can collect soil (e.g., bumpers, fenders, etc.).

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7.2 Active Storage Piles

A storage pile is considered active if material is added to, or removed from, the storage pile in question within 7 calendar days. In order to control fugitive dust emissions from active soil storage piles one or more of the following control measures will be used:

1. Adequately wetting the exposed surface with water at least three times per day (e.g., prior to, during, and after excavation or grading activities).
2. Use of a temporary cover (plastic sheeting, tarp, etc.).

Storage piles of contaminated soil will be limited in use, restricted to excavation areas, and stored separately from uncontaminated soil. Storage piles of contaminated soil are subject to the following additional control measures (BAAQMD Regulation 8 Rule 40):

3. Contaminated stockpiles must be adequately wetted or tackified when not in use or covered when inactive for at least 1 hour.
4. While the contaminated stockpile is active, the surface area not covered will not exceed 6,000 square feet.

7.3 Inactive Surface Areas and Storage Piles

Dust emissions from excavations, other exposed soil-disturbed areas, and storage piles that will remain inactive for more than 7 calendar days shall be controlled by one or more of the following control measures:

1. Adequately wetting the exposed surface with water at a frequency necessary to control dust emissions.
2. Establishing and maintaining a surface crust sufficient to satisfy the test requirements in Section (h)(6) of the ATCM.
3. Application of chemical dust suppressants or chemical stabilizers according to the manufacturers' recommendations.
4. Covering with tarps or vegetated cover.
5. Installation of wind barriers of fifty (50) percent porosity around three (3) sides of a storage pile.
6. Installation of wind barriers across open areas.

To prevent the general public from accessing storage piles, the Site will have controlled access at all entry points. For stockpiles that are located outside of the controlled Site

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boundary, security fencing will be erected and maintained until the stockpiles are removed.

Contaminated soil stockpiles must be wetted, tackified, or covered when inactive for at least 1 hour.

7.4 Dust Control for Roads, Parking Lots, and Staging Area

7.4.1 Dust Control Measures for Unpaved Roads, Parking Lots, and Staging Areas

In order to control fugitive dust emissions from construction traffic traveling on unpaved surfaces, the following control measures shall be used:

1. No vehicle will exceed 5 miles per hour (mph) (8 kilometers per hour [km/h]) on unpaved surfaces or 15 mph on paved surfaces within the Work Site. Visible speed limit signs will be posted at the Work Site entrances.
2. One or more of the following:
    a. Watering every 2 hours of active operations or sufficiently often to keep the area adequately wetted.
    b. Applying chemical dust suppressants consistent with manufacturer's directions.
    c. Maintaining a gravel cover with a silt content that is less than five (5) percent and asbestos content that is less than 0.25 percent, as determined using an approved asbestos bulk test method, to a depth of three (3) inches on the surface being used from travel.

Implementation of erosion control measures identified in the Construction Storm Water Pollution Prevention Plan (SWPPP), provided under separate cover, will help control fugitive dust emissions within the Work Site as well as on public roadways, staging areas and parking areas.

7.4.2 Dust Control Measures for Paved Public Roads

The following control measures shall be used to control fugitive dust emissions from construction traffic traveling on paved public roads:

1. No vehicle of any type will be allowed to exit unpaved portions of the Work Site except through treated Work Site exits, as described in Section 7.1.

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2. Construction areas adjacent to and above grade from any paved public roadway will be treated with BMPs, as specified in the Construction SWPPP.

The use of dry rotary brushes is expressly prohibited except where preceded or accompanied by sufficient wetting to limit visible dust emissions. Use of blower devices is expressly prohibited.

7.5 Dust Control for Earth Moving Activities and Processing of Rock

Excavation activities will be monitored for the generation of fugitive dust via visual observations and quantitatively via field monitors in accordance with the PAMP. If dust is being generated, water will be applied to the point of excavation or disturbance to control dust.

To control fugitive dust emissions generated from dust generating activities the following methods shall be used:

1. Pre-wetting the ground to the depth of anticipated cuts. A dedicated water source (e.g., fire hose) will be used at each point of excavation to ensure that adequate moisture is present to minimize dust generation. This water source will be directed both at the point of excavation and the point of drop off into an awaiting dump truck or an existing storage pile, as appropriate.
2. Suspending grading operations when wind speeds are high enough to result in dust emissions crossing the property line, despite the application of dust control measures.
3. Application of water prior to any land clearing.
4. Application of water during any rock processing operation.
5. If present, serpentinite rock should be segregated to be processed and treated separately as asbestos-containing material.
6. Remaining rock to be processed will be tested to verify that it contains less than 0.25% asbestos by the California Air Resources Board 435 Method.

7.6 Control for Offsite Transport

Any material generated from activities conducted within the Work Site and which material is to be transported off Site must be done so with vehicles that are maintained such that:

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1. No spillage can occur from holes or other openings in cargo compartments.
2. Material is adequately wetted.
3. Material is loaded onto the trucks such that the material does not touch the front, back or sides of the cargo compartment at any point less than twelve (12) inches from the top and that no point of the load extends above the top of the cargo compartment.
4. Truck is covered with a tarp.

If concrete and/or asphalt are to be hauled off Site, reasonable effort will be made to remove excess Site soil adhered to the material to be hauled off Site.

7.7 Post-Construction Stabilization

One or more of the following post construction measures to mitigate dust emissions of serpentine-containing soil shall be utilized:

1. Establishing a vegetative cover.
2. Placement of at least three (3) inches of fill containing less than 0.25% asbestos.
3. Installation of hardscape (e.g., sidewalk, road, building foundation).

7.8 Contingency Dust Control Measures

In the event the above measures do not suppress visible fugitive dust at the Site perimeter or result in an exceedance of action levels established in the PAMP, one or more of the following contingency measures will be considered and implemented until the condition stabilizes:

Any designated haul roads will be watered more frequently as necessary to control windblown dust and dust generated by construction vehicle traffic when in use by the contractor.

Streets adjacent to the Work Site locations will be swept as necessary to remove accumulated dust and soil. Only wet sweeping methods or a HEPA filter equipped vacuum device will be used. Dry rotary sweeping methods are prohibited.

Water may also be applied to paved roads leading between Work Sites, when necessary.

Vehicle trips and speeds will be reduced to the extent practicable.

Construction employees will park personal vehicles on paved or gravel surfaces.

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1. The construction schedule will be prioritized to the extent possible to install permanent cap over soil with potential NOA by placement of concrete road base.
2. Imported clean aggregate base rock may be used for placement of the final 6 to 12 inches of necessary fill to raise the grade to final subgrade elevation and provide a cover over soil with potential NOA.

Paved public roads within 100 feet of construction entrances will be washed at the end of each work day.

Additional water trucks will be utilized to aid in wetting paved public roads, and Work Site roads as needed, throughout the day.

Installation of a misting system can be used up to as much as 24 hours per day as needed to aid in keeping soil moist after construction activity has ceased each day.

Drop heights will be minimized when dropping soil into an awaiting dump truck.

Periodic watering of haul routes from the point of excavation to the drop-off point regardless of whether the route is paved, unpaved or within or outside the defined Work Site.

3. A mechanical sweeper will be utilized at and around points of active excavation and/or backfill occurring on paved streets to prevent soil from collecting on paved surfaces. This measure will be employed to help control track out of sediment onto paved public streets. Only wet sweeping methods or a HEPA filter equipped vacuum device will be used. Dry rotary sweeping methods are prohibited.

If compaction will not take place immediately following clearing and grubbing, the surface soil will be stabilized with dust palliative and water to form a crust on the soil surface.

Graded areas will be stabilized with chemical stabilizers within 5 working days of verification of final grading completion. All unpaved, inactive portions of the Work Site will be seeded and watered to maintain a grass cover if they are to remain inactive for long periods of time.

All clearing, grading, earthmoving, and excavating activities will be temporarily suspended during periods of sustained strong winds (hourly average wind speeds of 25 mph [40 km/h] or greater) if other dust control measures are unsuccessful.

The areas subject to excavation, grading or other construction activity will be limited at any one time.

In the event blasting is required, the blasting activities will be designed to reduce the potential for PM emissions. Guidance from the BAAQMD staff report will be followed which may include covering the blast area with wet soil. The amount of soil used will be

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based on best engineering judgment taking into consideration the amount of the charge, the size of the blast area, and the proximity to receptors and other structures.

Asbestos emissions from building demolition activities will be controlled in accordance with the requirements of BAAQMD Regulation 11, Rule 2, and will be detailed in a separate pre-demolition asbestos abatement plan.

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8. VAPOR AND ODOR CONTROL MEASURES

This section describes control measures that will be employed at the Site to limit the generation and potential off-site migration of vapors and odors. These measures will be implemented during any earth-moving activity that has the potential to disturb contaminated soil (i.e., restricted material as defined by RMP) that could emit organic vapors or odors. Such activities may include, but are not limited to, demolition of existing structures and roads, excavation of contaminated soil, and movement/loading of contaminated soil. The vapor and odor control measures described in this document shall be employed in conjunction with the PAMP, which will describe the perimeter air monitoring program together with action levels for volatile and/or odorous COPCs and suitable responses if action levels are exceeded. As described in Sections 4.3 and 6.0 of the RMP, development blocks 1, 2, 3, 4, and portions of 9 are the locations of soil and soil vapor COPCs remaining from past manufactured gas plant (MGP) operations. Disturbance of soils in these areas may result in the emission of elevated concentrations volatile organic compounds (VOCs) in air and/or the emission of noxious odors. Any work within blocks 1, 2, 3, 4, and 9 should be expected to produce elevated vapors and odors and should therefore be approached with adequate preparedness for robust controls at the outset. The PAMP provides monitoring and response procedures tailored to the COPCs within these blocks for soil disturbance activities within these areas.

In most cases, emissions of organic vapors and odors will be significantly reduced by implementing the dust control measures as described in **Section 7**. **Sections 8.1** and **8.2** describe additional measures to control vapor and odor emissions.

8.1 Primary Vapor and Odor Controls

Vapor and odor controls will be implemented proactively during construction activities as needed. Primary controls include:

- Using polyethylene sheeting or a layer of clean soil to cover stockpiles and excavation areas when not being used. This will minimize the exposure of malodorous materials to ambient air and prevent or minimize fugitive vapor.
- Spraying water or water-containing non-toxic biodegradable detergent (e.g. Simple Green) over malodorous materials.
- Limiting certain site activities when prevailing wind direction increases the potential impact to offsite receptors.
- Sealing and covering liquid storage containers.
- Minimizing idling time for all equipment.

- Minimizing drop height of contaminated material when being excavated, stockpiled, or transported.

8.2 Secondary Vapor and Odor Controls

If vapor levels exceed the action levels discussed in the PAMP or if persistent odor complaints are received, additional vapor control measures will be implemented. Vapor reducing agents can be sprayed over impacted soil in the excavation or on stockpiles to reduce vapor emissions. These agents may be used where tarps are unable to effectively be deployed due to active operations or irregular surfaces, or when tarps are ineffective in controlling odors. Vapor reducing agents include, but are not limited to, the following:

- ODEX – A non-hazardous, biodegradable, proprietary odor mitigating agent made of food grade ingredients. ODEX is sprayed in a mist near odor emissions so that the odor particles can adhere to the surface of the mist and ODEX neutralizes odor components by converting them to non-odorous aqueous solution. For overnight or longer term vapor encapsulation, Hydroseal, an ODEX and biodegradable cellulose mixture, can be applied to exposed soil such that it forms a physical barrier between exposed soil and air, sealing odors, vapors and particulates.
- Odor Suppressant Foam – Odor suppressant foam can provide immediate, localized control of odor emissions. The foam is made by the injection of air into a foam concentrate/water mixture using a Pneumatic Foam Unit. The foam is applied in a 3 to 6-inch layer via a hose to cover source areas. Short-term foam (e.g., Rusmar RusFoam® AC-645) is used to control organic vapor and odor emissions from active excavations and stockpiles. It is shipped as a concentrate and diluted with water at the Site. Under normal conditions this foam can remain effective for 12 to 17 hours. However, it has been observed to degrade quickly in direct sunlight, so frequent and liberal application to all areas that require odor control is advisable. For longer-term odor suppression needs, such as over weekends, long-term latex- based foam (e.g., Rusmar RusFoam® LM AC-900, which lasts between 15 to 30 days) may be used.
- BioSolve – A biodegradable, water-based product that has the ability to encapsulate hydrocarbon vapor. The product is mixed with water at a 3 to 5 percent concentration to create an "oil in water emulsion" and can be applied with a wide variety of water application spray methods. BioSolve emulsifies and encapsulates the hydrocarbon almost instantly and is not subject to breaches or drawdown (like some foam applications) that allow for re-volatilization, making it suitable for use in windy conditions, and on sloped surfaces.

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The placement of portable barriers at ground level, close to small active vapor or odor source areas can elevate the discharge point of emissions to facilitate dispersion and minimize the effect on downwind receptors. The barriers can be constructed using materials such as plastic Jersey barriers, or fence panels covered with visual barrier fabric or plastic. The barriers would typically be installed on two or three sides of the active source area, corresponding to the predominant upwind and downwind direction. If barrier can only be installed on one side of the source area, then the barrier should be placed on the downwind side.

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9. PERIMETER AIR MONITORING PLAN

The effectiveness of the construction/asbestos dust, vapor, and odor control efforts will be measured and documented through the implementation of a PAMP. The primary purpose of the PAMP is to monitor the effectiveness of the construction means and methods required by the DVOPC and being implemented by the contractor(s) to control the off-site release of construction dust, asbestos dust, organic vapors, and odors during construction activities.

The PAMP objective will be met by monitoring the air quality at the perimeter of the Site to verify that construction/asbestos dust, constituents of potential concern, and odors are not leaving the Site at concentrations that could pose a potential health concern for off Site receptors. The results of the PAMP will inform the adequacy of the dust control measures and ensure the objectives of the DVOCP are being met in the field. The PAMP is included in **Appendix A**.

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10. COMMUNITY RELATIONS

The Community is encouraged to assist in monitoring and reporting conditions that suggest that dust, vapor, and odor control measures are not being effective. A publicly visible sign with the telephone number to contact regarding dust or odor complaints will be posted prior to starting construction and maintained during construction. For general complaints, the contractor will attempt to respond and take corrective action within 24 hours.

During hours of active construction, phone calls will be answered or returned as soon as practicable. During non-work hours phone calls may be diverted to a message machine and returned the next business day. A log of all calls pertaining to dust or odor complaints will be maintained in the onsite construction office for the duration of the project and can be made available to regulatory agencies upon request.

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FIGURES

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22ND STREET

SWITCHYARD/GC YARD AREA
(RMP / LUC)
BLOCK 13

GEORGIA STREET

BLOCK 14

CRAIG LANE

PIER 70
(RMP / LUC)

BLOCK 1

LOUISIANA STREET

TANK FARM
(REMEDIATION TBD)
BLOCK 2

BLOCK 3

BLOCK 4

HUMBOLDT STREET

OFFSHORE AREA (OSA)
(REMEDIATION COMPLETE)

SAN FRANCISCO BAY

ILLINOIS STREET

BLOCK 5

GEORGIA LANE

BLOCK 15

BLOCK 7

STATION A AREA
(RMP / LUC)

MARYLAND STREET

BLOCK 8

DELAWARE STREET

NORTHEAST AREA (NEA)
(REMEDIATION COMPLETE)
BLOCK 9

BLOCK 11

BLOCK 12

UNIT 3 AREA
(RMP / LUC)

23RD STREET

TRANS BAY CABLE / HARRIGAN WEIDENMULLER COMBINED SITE
(RMP / LUC)

Source: CBG, 2020

LEGEND

- PROPOSED PROJECT BOUNDARY
- ADJACENT PROPERTY BOUNDARY
- PROPOSED PARCEL BOUNDARIES
- PORT / CITY OWNED PROPERTY
- CBC OWNED PROPERTY & PROPOSED CBC LUC
- PROPOSED SITEWIDE RMP
- PROPOSED OFFSHORE AREA RMP
- EXISTING REMEDIATION AREAS
- PG&E AND CBC OWNED PROPERTY

0 150

PG&E and CBC Owned Portions of the Potrero Power Station

Potrero Power Station
420 23rd Street,
San Francisco, California

Geosyntec consultants

WR2273 | August 2020

Figure 1

P:\GIS\California Barrel Company LLC\Project\2020_PPP_RMP\Fig-02_PGEandCBCproperties.ai

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Legend

- Residential
- Office or Laboratory
- Laboratory
- Hotel
- Hotel and/or Residential
- * Potential District Parking Garage and Publicly Accessible Rooftop Soccer Field Location
- Open Space
- Proposed Development Boundary

N

1,000 Feet

Proposed Development and Land Uses

Risk Management Plan
Potrero Power Station
San Francisco, California

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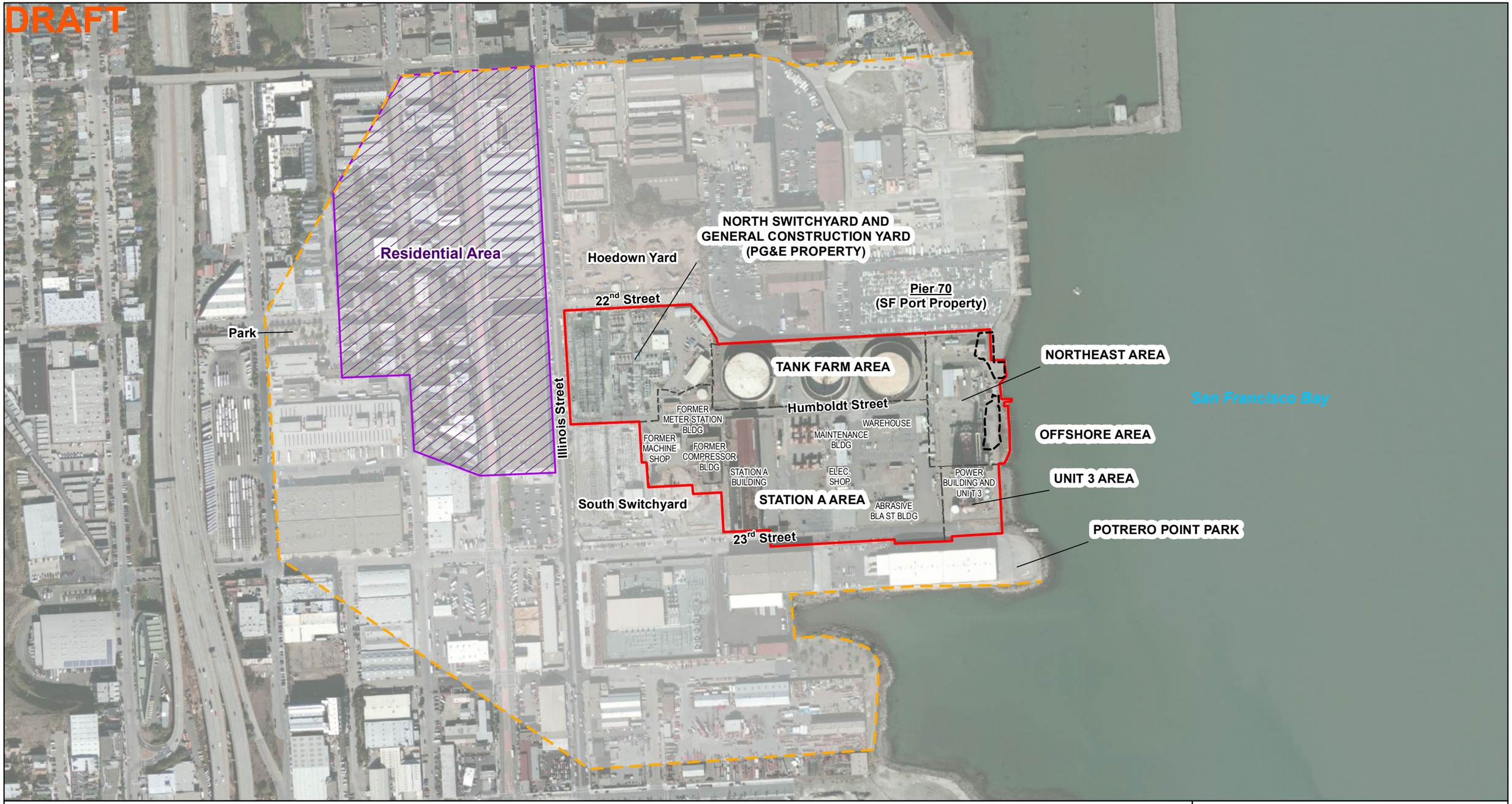
Figure 2

P:\GIS\California Barrel Company LLC\Project\2020_PPP_RMP\Fig-05_ProposedDevelopmentLandUses.ai



Legend

- Planned Development Area Boundary
- Residential Area
- 1,000 foot buffer
- Former Operational Subareas
- PG&E ISS Remediation Area

N

0 350 Feet

Site Plan and Site Features
Risk Management Plan
Potrero Power Station
San Francisco, California

Geosyntec consultants

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Figure 3

P:\GIS\California Barrel Company LLC\Project\2020_07\Fig-03_SitePlan.mxd 8/28/2020 11:11:36 AM

APPENDIX A:
Perimeter Air Monitoring Plan

Geosyntec consultants

engineers | scientists | innovators

DRAFT PERIMETER AIR MONITORING PLAN

POTRERO POWER STATION
SAN FRANCISCO, CALIFORNIA

Prepared for

California Barrel Company
420 23rd Street
San Francisco, California 94107

Prepared by

Geosyntec Consultants, Inc.
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Project Number: WR2273

August 28, 2020

Geosyntec consultants

DRAFT Perimeter Air Monitoring Plan

Potrero Power Station
San Francisco, California

Prepared for

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Project Number: WR2273

August 28, 2020

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Appendix C: ProUCL Output

ACRONYMS AND ABBREVIATIONS

µg/m^3	micrograms per cubic meter
AMS	air monitoring station
AQPE	air quality professional engineer
ATCM	Airborne Toxic Control Measure
BAAQMD	Bay Area Air Quality Management Department
BTEX	benzene, toluene, ethylbenzene, xylenes
Cal/EPA	California Environmental Protection Agency
CARB	California Air Resources Board
CBC	California Barrel Company, LLC
COPCs	constituents of potential concern
DTSC	Department of Toxic Substances Control
DVOCP	Dust Vapor and Odor Control Plan
ELCR	excess lifetime carcinogenic risks
ESLs	Environmental Screening Levels
f/cc	fibers per cubic centimeter
Geosyntec	Geosyntec Consultants, Inc.
H&A	Haley & Aldrich
HI	hazard index
IUR	inhalation unit-risk
MGP	manufactured gas plant
NIOSH	National Institute for Occupational Safety and Health
NOA	naturally occurring asbestos
Northeast Area APAMP	*Ambient Perimeter Air Monitoring Plan for the Northeast Area*
OEHHA	Office of Environmental Health Hazard Assessment
PAHs	polycyclic aromatic hydrocarbons
PAMP	Perimeter Air Monitoring Plan
PCBs	polychlorinated biphenyls
PCM	phase contrast microscopy
PG&E	Pacific Gas and Electricity Company
PID	photoionization detector

ppbv	parts per billion by volume
PPP	Potrero Power Plant
PPS	Potrero Power Station
RACR	*Remedial Action Completion Report for the North East Area*
RELs	Reference Exposure Levels
RI	risk index
RMP	Risk Management Plan
SFDPH	San Francisco Department of Public Health
SIM	selective ion monitoring
Site	Potrero Power Station
TAT	turnaround time
TEM	transmission electron microscopy
THI	total hazard index
TPH	total petroleum hydrocarbons
TRI	total risk index
TVOCs	total volatile organic compounds
TWA	time weighted average
USEPA	United States Environmental Protection Agency
VOCs	volatile organic compounds
Water Board	San Francisco Bay Regional Water Quality Control Board

1. INTRODUCTION

On behalf of California Barrel Company, LLC (CBC), Geosyntec Consultants, Inc. (Geosyntec) has prepared this *Perimeter Air Monitoring Plan* (PAMP) for the Potrero Power Station (Site; PPS) located at 420 23rd Street (also referenced as 1201A Illinois Street) in San Francisco, California (**Figure 1**). Pacific Gas and Electricity Company (PG&E) formerly operated an electric power generating plant and manufactured gas plant on the Site. The PPS has been formerly referred to as the Potrero Power Plant or PPP. The PPS is located in an industrial waterfront area of San Francisco, south of the central business district, and is bounded by Illinois Street to the west, 23rd Street and industrial properties to the south, San Francisco Bay to the east, and the Port of San Francisco's Pier 70 property to the north.

A Sitewide Risk Management Plan (RMP) was prepared for the Site to ensure the continued protection of human health and the environment at the Site throughout the development process. It sets forth procedures and protocols to be followed during construction, maintenance activities, and long-term management of residual constituents of potential of concern (COPCs) on the Site. COPCs present in Site soils are due to historical industrial activities, manufactured gas plant (MGP) residues, and backfill composed of artificial fill. The RMP includes a Dust, Vapor, and Odor Control Plan (DVOCP) to be implemented during ground disturbing activities, and a requirement of the DVOCP is that a PAMP be prepared. This PAMP presents the technical approach for performing perimeter air monitoring and is to be used in conjunction with the DVOCP to comply with RMP requirements.

1.1 Regulatory Basis

The San Francisco Bay Regional Water Quality Control Board (Water Board) is the designated Administering Agency for the entire PPS, including the Site, under California Health and Safety Code section 25260, et seq., meaning that the Water Board supervises all aspects of cleanup and is granted sole jurisdiction over all activities necessary to respond to release of hazardous materials. As such, Water Board staff has the authority to oversee the proper implementation of the DVOCP and this PAMP.

Construction and/or maintenance workers at the Site may need to access soil in areas where contaminants, including naturally occurring asbestos (NOA), may be present in existing soil. Site users and the public may also be exposed to dust generated during maintenance and construction activities. Fugitive dust, asbestos dust, organic vapors, and odors emitted during demolition of existing structures, excavation, grading, soil handling and stockpiling, vehicle loading, utility work, truck traffic, and construction of Site infrastructure are subject to the following regulatory requirements:

- California Code of Regulations Title 17, Section 93105, the Asbestos Airborne Toxic Control Measure (ATCM) for Construction, Grading, Quarrying, and Surface Mining Operations;
- Code of Federal Regulations Title 40 Part 61, National Emissions Standards for Hazardous Air Pollutants;

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- Department of Toxic Substances Control (DTSC) Human and Ecological Risk Office Human Health Risk Assessment Note Number: 3 (DTSC, 2020);
- Office of Environmental Health Hazard Assessment (OEHHA) Toxicity Criteria Database;
- City of San Francisco Health Code Article 22B Construction Dust Control Requirements; and
- Bay Area Air Quality Management Department (BAAQMD) Regulation 6, Particulate Matter and Visible Emissions.

Any grading activity or construction activity that disturbs 50 cubic yards of soil or more than half an acre of ground surface shall comply with the provisions of the DVOCP and this PAMP.

1.2 Purpose and Objective

The primary purpose of this PAMP is to monitor the effectiveness of the construction means and methods required by the DVOPC and being implemented by the contractor(s) to control the off-site release of construction dust, asbestos dust, organic vapors, and odors during construction activities. This objective will be met by monitoring the air quality at the perimeter of the Site to verify that dust and COPCs are not leaving the Site at concentrations that could pose a potential health concern for off Site receptors. The results of the PAMP will inform the adequacy of the dust control measures and ensure the objectives of the DVOCP are being met in the field.

The PAMP describes the perimeter air monitoring network in relation to the various work zones, identifies the COPCs associated with the off-Site inhalation exposure pathway, will establishes action levels, provides the data evaluation approach, documentation, and associated response actions. The DVOCP and PAMP shall be reviewed and approved by the Water Board, SFDPH, and the BAAQMD in advance of horizontal development activities.

1.3 PAMP Approach

This PAMP includes the following elements for the Site:

- Establishes perimeter ambient air monitoring locations;
- Establishes COPC-specific action limits for the Site;
- Presents ambient air monitoring means and methods; and
- Presents data evaluation methods and response actions.

Objectives of the PAMP will be met by implementing the following process:

- Conducting a health risk evaluation to set action levels[1];

[1] The risk evaluation was previously completed by PG&E and presented in H&A's 2017 *Ambient Perimeter Air Monitoring Plan for the Northeast Area of the Potrero Power Plant Site and a Portion of the Southeast Area of Pier 70*. Geosyntec conducted an evaluation by comparing the data in the Northeast Area with data from the other areas of the Power Plant Site. See Section 2.2 and Appendix B.

- Conducting ambient air monitoring to generate data;
- Comparing data with action levels; and
- Implementing response actions based on comparison.

1.4 Responsible Person

Execution of the requirements and procedures outlined in the PAMP are the responsibility of the Owner. The Owner may implement the requirements to establish, maintain, and operate the perimeter air monitoring system through designated third-party contractors, but the Owner remains responsible for ensuring compliance and submitting monitoring reports to the Water Board.

The approved PAMP will be implemented under the technical supervision of a registered Professional Engineer experienced in the practice of air quality monitoring, hereafter referred to as the Air Quality Professional Engineer (AQPE). The AQPE will be a third-party observer contracted directly with the Owner/developer and not an employee of the excavation contractor or General Contractor.

On-site air monitoring activities may be implemented by an Engineering Technician, designated by and working under the direction of the AQPE. The AQPE and/or Engineering Technician will either be on-Site or reachable by telephone during all site preparation, demolition, and excavation activities. Contact information for the AQPE and Engineering Technician will be maintained and posted on-Site.

Responsibilities of the AQPE will be to oversee the establishment, maintenance, and operation the perimeter air monitoring system in accordance with the approved PAMP and document the contractor's compliance with the DVOCP.

Responsibilities of the Engineering Technician will be to maintain and operate the perimeter air monitoring system under the direction of the AQPE. The Engineering Technician will immediately notify the AQPE of instances of non-compliance with the DVOCP and/or the PAMP. The AQPE, Engineering Technician, General Contractor, and other contractors will work collectively to resolve instances of non-compliance.

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2. AIR MONITORING ACTION LEVELS

The effectiveness of the control measures specified in the DVOCP will be measured by collecting air quality data for various parameters and comparing them to site-specific action levels. Site-specific action levels have been developed to be protective of the commercial/industrial and sensitive receptors that are located within 1000 feet of the Site. Potentially exposed receptors are identified in Section 5 of the DVOCP, wherein sensitive land uses are defined as a residence, school, childcare center, hospital or other healthcare facility or group living quarters.

2.1 Constituents of Potential Concern

All constituents detected in soil and soil vapor samples within the Site were considered as potential COPCs for perimeter air monitoring. Analytical data for relevant soil and soil vapor samples in the Tank Farm Area are included in **Appendix A**. Due to their close proximity and similar historical operations, soil and soil vapor data for the Northeast Area and Tank Farm Area were compared to assess similarities in occurrence and concentration of potential COPCs. Prevalence tables comparing these two datasets are included in **Appendix B**. Summary data tables of COPCs and analytical data for the relevant soil and soil vapor samples pertaining to the Northeast Area are presented Northeast Area APAMP.

COPCs identified within the Site include:

- Volatile organic compounds (VOCs);
- Polycyclic aromatic hydrocarbons (PAHs);
- Total petroleum hydrocarbons (TPH);
- Total polychlorinated biphenyls (PCBs);
- Metals; and
- Naturally occurring asbestos (NOA).

VOCs in soil and soil vapor data is presented in **Appendix A Tables A-1 and A-2**. The VOCs benzene and ethylbenzene, and naphthalene were detected above the Water Board's published Environmental Screening Levels (ESLs; Water Board, 2019) for commercial/industrial and construction work scenarios. Analytes detected below ESLs in soil and soil vapor are not included as target analytes for time-averaged samples because they are unlikely to pose a significant health risk to the offsite receptors.

Serpentinite bedrock underlies portions of the Tank Farm Area and is known to contain NOA. Friable asbestos may become airborne when the bedrock is disturbed, and monitoring for asbestos is included in this PAMP to inform the implementation of asbestos dust control measures to mitigate the potential health risk associated with exposure to airborne asbestos.

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2.2 Perimeter Air Monitoring Action Levels

Site-specific action levels for COPCs have been established by PG&E and are based on human health risk screening exposure assumptions and methodology applied in the Ambient Perimeter Air Monitoring Plan for the Northeast Area (Northeast Area APAMP; Haley & Aldrich [H&A], 2017). The action levels are considered appropriate for this PAMP based on similar operational histories and environmental conditions that are expected to be encountered during earth disturbing activities at the Site. In addition, the estimated duration of the project is similar to the project duration of the Northeast Area. The action levels specified in the Northeast Area APAMP are considered protective of human health risk and were approved by the Water Board for previous remedial construction activities within the Northeast Area. As presented in **Appendix B**, the evaluation comparing historical COPCs within the Tank Farm Area, Station A Area, and Unit 3 Area to Northeast areas shows occurrence and concentrations to be lower in the Tank Farm Area, with few exceptions noted in **Appendix B** and are therefore appropriate to use for this PAMP. Some COPCs are present at higher concentrations within the Tank Farm area (i.e. petroleum related COPCs) however the monitoring plan addresses those constituents by the TVOC monitoring as noted below which also addresses key petroleum related COPCs such as benzene.

Ambient air will be monitored during work activities utilizing systems of measurement to monitor for action level exceedances. Measurements will be collected using two methods: real-time measurements during active work hours and time-averaged measurements made throughout the duration of the workday. Action levels for specific monitoring parameters for these two monitoring methods are described as follows:

- Action levels for real-time measurements: $PM_{10,}$ TVOCs, visible dust, and odors will be measured in real-time at all perimeter air monitoring stations, and concentrations will be compared against action levels. Real-time TVOC monitoring will be supplemented with real-time measurements that quantify the specific constituents of the TVOC measurements.
- Chemical-specific action levels for time-averaged periods of ambient air quality using sampling and analytical analysis. Perimeter air samples for laboratory analysis will be collected for PAHs, asbestos, and VOCs (**Section 3.2**).

Both real-time and time-averaged action levels for Site COPCs are included in **Table 1**.

2.2.1 Real-time Monitoring Action Levels

Real-time air monitoring for TVOCs, PM_{10}, visible dust, and odors will be conducted throughout the duration of ground disturbing activities. These parameters will not be monitored during nights, holidays, and weekends or anytime when ground disturbing activities are not occurring.

2.2.1.1 Real-Time TVOC Action Level

Benzene and naphthalene are the COPCs with the lowest action levels, and these will be conservatively applied to establish the real-time air monitoring action levels. The acute inhalation Reference Exposure Levels (RELs; OEHHA, 2019) were used to select the action level for TVOCs. RELs are developed based on a 1-hour time weighted average. The acute inhalation REL for benzene, ethylbenzene, and naphthalene are shown below:

COPC	Acute inhalation REL ($\mu g/m^3$)	Acute inhalation REL (ppbv)
Benzene	27	8.5
Ethylbenzene	2,000	461
Naphthalene	9	1.7

Notes:
$\mu g/m^3$ = micrograms per cubic meter
ppbv = parts per billion by volume

The TVOC action level was developed using benzene as a surrogate for TVOCs because of its high toxicity and volatility, and is the conservative chemical with the lowest REL. Treating all TVOC detections as if they are composed entirely of benzene is a conservative approach that will effectively manage risk of unacceptable COPC vapor emissions. ***The real-time action level for TVOCs measured at the perimeter is 27 $\mu g/m^3$ or 8.5 ppbv. The real-time action level for benzene, ethylbenzene, and naphthalene will be their respective REL values.***

Fifteen-minute averaged TVOC levels will be logged in real-time with a ppbv photoionization detector (PID). The PIDs will be set up to data log and display TVOC measurements in 15-minute increments in order to determine the sustained TVOC readings in ambient air. The measured results will be compared to the TVOC action level. The TVOC action level is exceeded when the 15-minute average TVOC concentrations at the perimeter exceed 8.5 ppbv for four consecutive 15-miniute periods. When the real-time TVOC action level is exceeded, additional real-time sampling will be conducted using a portable gas chromatograph (GC/PID; FROG-4000, Defiant Industries, Inc.) from the air monitoring stations that exceeded the TVOC action level. The gas chromatograph will be used to estimate the concentration of benzene, ethylbenzene, and naphthalene in air. The concentration will be compared to the chemical specific REL, listed above.

2.2.1.2 Real-Time Particulate Matter Action Level

The CARB standard for PM_{10} dust is 50 $\mu g/m^3$, measured as a 24-hour time weighted average (TWA; California Code of Regulations, Title 17, Section 70200). The standard is supported by the Cal/EPA as protective of human health from short-term exposure to particulate matter in ambient air.

The PM_{10} standard of 50 $\mu g/m^3$ will be the action level for particulate dust in air.
Conservatively, the 24-hour PM_{10} standard will be averaged over a 1-hour period at the Site perimeter during active work hours. Dust monitors will be installed at each AMS and will log the 1-hour time weighted average for PM10 concentrations during working hours. If the 1-hour average does not exceed 50 $\mu g/m^3$, it is unlikely that the 24-hour average, which includes non-working hours, would exceed the standard.

The PM_{10} standard also addresses acceptable ambient air concentrations for individual metals in fugitive dust emissions. To confirm that the PM_{10} standard is protective for metals, a conservative evaluation was conducted to compare estimated air concentrations of metals in dust

to health-based screening levels. The potential dust concentrations in ambient air for each metal COPC were estimated by applying an exposure point concentration (EPC) with the 24-hour PM_{10} standard (50 µg/m^3). Where sufficient samples were available, the 95 percent upper confidence limit of the mean concentration (95 percent UCL) for soil samples was used; otherwise the maximum concentration was used. The UCL is considered a reasonable maximum exposure for the evaluation of constituents in soil (USEPA, 2002) and was calculated using USEPA ProUCL software. As presented in the proUCL output in **Appendix C**, the dust action level of 50 µg/m^3 is protective of exposure to individual metal COPCs in soil.

2.2.1.3 Visible Dust Action Level

No visible dust leaving the site is considered the action level. Visible dust will be monitored and if found to be leaving the Site, dust control measures specified in the DVOCP will be modified to achieve a goal of no visible dust emissions leaving the Site.

2.2.1.4 Odor Action Level

No noxious chemical Odors leaving the site is considered the action level. Odors will be monitored and if found to be detectable at the AMS, odor control measures specified in the DVOCP will be modified to achieve a goal of no detectable odors leaving the Site.

2.2.2 Time-Averaged Action Levels

Time-averaged perimeter air samples will be collected at each AMS over the course of each eight-hour work day through the duration of earth disturbing activities. The time-average concentrations will give compound-specific results which will supplement the real-time air monitoring program. Samples will be submitted for analysis of PAHs and asbestos, and selectively for VOCs.

2.2.2.1 Time-Averaged VOC Action Levels

Time-averaged VOC samples will be collected over an 8-hour period at each AMS. Samples will be submitted to an analytical laboratory for analysis of benzene, ethylbenzene, and naphthalene.

Time-averaged action levels for benzene, ethylbenzene, and naphthalene have been established as:

- ***Benzene action limit = 9.1 µg/m^3***
- ***Naphthalene action limit = 7 µg/m^3***
- ***Ethylbenzene action limit = 110 ug/m^3***

2.2.2.2 Time-Averaged Particulate PAHs Action Level

Time-averaged PAH samples will be collected over an 8-hour period at each AMS. Samples will be submitted to an analytical laboratory for analysis of PAH compounds. ***Time-averaged action levels for PAH compounds are presented on Table 1***. Particulate emissions of PAHs will also be assessed by comparing 8-hour time-averaged analytical results to the initial real-time/surrogate action level for PM10 (50 µg/m^3).

2.2.2.3 Time-Averaged Asbestos Action Level

Phase contrast microscopy (PCM) in accordance with the National Institute for Occupational Safety and Health (NIOSH) Method 7400 will be used to analyze 8-hour time-averaged asbestos samples. If samples collected exceed 0.1 fibers per cubic centimeter (f/cc), samples will be run for analysis using transmission electron microscopy (TEM) per the United States Environmental Protection Agency, Asbestos Hazard Emergency Act (AHERA) criteria pursuant to Title 17 of the California Code of Regulations (17 CCR) Section 93105. ***The action level for asbestos is set at the OSHA permissible exposure level (PEL) of 0.1 f/cc for an 8-hour time-weighted average measured with TEM.*** Background asbestos levels will be taken into account when evaluating asbestos analytical results.

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3. AIR MONITORING METHODS

Air monitoring will be performed at the Site perimeter to evaluate if dust control methods applied by Site workers are adequate to protect the surrounding community from exposure to dust and COPCs. Specific dust control techniques are described in the. Air quality monitoring will be conducted prior to the start of intrusive remedial activities to establish background air quality conditions at the Site (see Section 4.2).

Air monitoring outlined in the PAMP will be implemented under the technical supervision of the AQPE. On-site air monitoring activities may be implemented by an Engineering Technician, designated by and working under the direction of the AQPE. The following sections present the monitoring program approach that will be performed to document air quality conditions and to develop data that will be compared to the established action levels.

3.1 Weather Station

During excavation activities at the Site, a weather station will be maintained on-Site at a location that is free from air flow obstructions and is considered generally representative of the wind patterns present at the Site (**Figure 2**). The station will be set up at the Site during the five-day background monitoring period, prior to initiation of construction activities, to evaluate Site-specific wind patterns for use in positioning the perimeter air monitoring stations around the work Site.

Calibrated windsocks will also be installed at each air monitoring station (AMS) as an additional tool to monitor wind direction. Wind speed, wind direction, and relative humidity measurements will be collected continuously at the Site during earth disturbing activities. If the on-Site wind data indicate that a significant shift in wind direction is observed, the perimeter air monitoring stations will be re-evaluated and repositioned, if considered appropriate, and as soon as reasonably possible.

It is expected that the station will be the Davis Vantage Vue model. These stations are solar powered and log data at 60-second intervals. Data will be downloaded from the weather station daily. The weather station is outfitted with an internal compass to accurately record wind direction. The weather station will be located at least 20 feet from any obstructions, and it will be similar height to AMS sampling apparatuses.

3.2 Air Monitoring Site Preparation

Four AMS (AMS-1 through AMS-4) will be installed on-Site prior to earth disturbing activities. Proposed AMS locations are shown in **Figure 2**. A fence exists along the north, west, and south perimeter of the Site and will serve as delineation for the work area. The San Francisco Bay serves as the eastern perimeter boundary of the Site.

AMS will be housed in weatherproof enclosures and will contain particulate, vapor monitoring equipment and laboratory sampling equipment. They will be installed next to the perimeter fence with an air sampling port on a tripod that reaches the fence height. Each AMS will be secured with a lock to prevent theft.

3.2.1 AMS Locations

AMS locations have been established based on prevailing wind directions and are placed at locations with the highest likelihood of exposure potential for offsite receptors (**Figure 2**). Dust generation will vary during each stage of work, and AMS locations will be assessed during pre-construction, site preparation, demolition, mass grading, and excavation activities.

AMS locations may be modified based on changing work activities, locations, and wind conditions. This may include changes to work areas, wind speed, and wind direction. Any time an AMS is relocated, a Relocation or Modification Form will be completed (**Appendix E**). The form will include an explanation for why the change was made, and supporting data, and documentation of the new AMS location. The Form will be submitted to the Water Board and Bay Area Air Quality Management District.

3.3 Background Air Monitoring Activities

Prior to the start of ground disturbing activities, time-averaged air monitoring data will be collected for a period of 10 working days to determine background air quality conditions. Sample data will be collected daily at locations AMS 1 through AMS-4 in accordance with the protocol described in **Section 3.5** and results will compared to the action levels described in **Section 2.2.2** and presented on **Table 1**. If ground disturbing activities are suspended for a period of longer than 3 months, a new background sampling event will be conducted 10 days prior to ground disturbing activities resuming.

Background date will be used when evaluating real time and time-averaged samples and comparison with action levels. Specifically, background concentrations can be subtracted from the real-time or time-averaged result prior to comparison with the action level.

3.4 Real-Time Air Monitoring Procedures

Each AMS will record real-time air monitoring data for particulate (PM_{10}) dust emissions during each workday throughout the duration of earth disturbing activities. Dust, vapor, and odor monitoring will not be completed during non-working hours (nights, holidays, and weekends).

3.4.1 Visible Dust Monitoring

Visible dust monitoring will be completed by an independent third-party contractor. The third-party contractor will observe potential dust generating activities and implementation of mitigation requirements outlined in the DVOCP, and document observations on a daily basis.

The details of the independent third-party observation schedule can be changed as needed to maintain sufficient variability in inspection time. This variability in inspection time has been found to be an effective means to ensure proper contractor response when administering dust mitigation measures.

Results of the observations will be reviewed with the general contractor on a regular basis. Observations will include descriptions of specific dust mitigation measures and any recommendations for enhanced mitigation measures if found to be necessary. Shut down periods that occur during normal work hours will be noted in daily observation reports.

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3.4.2 Dust Particulate Monitoring

A TSI DustTrak DRX™ nephelometer, or similar, will be used for PM10 monitoring and will be located at each AMS. Dust monitors will be calibrated and operated according to manufacturer specifications. Monitors may be charged overnight during non-work hours. Commercially available dust monitors are typically capable of holding a charge for an 8-10-hour workday.

The PM10 dust data will be checked approximately every two hours during the work shift to verify operation and compliance with the action levels established in this PAMP. Data will be downloaded daily to the electronic repository (Section 5.3).

3.4.3 Total Volatile Organic Compounds

Real-time TVOC concentrations will be monitored at each AMS with a hand-held IonScience PhoCheck+2000Ex™ PID, or similar ppbv-PID, with a 10.6 electron volt (eV) lamp to monitor for TVOCs. The PID will be calibrated daily and operated according to manufacturer specifications. Monitors may be charged overnight during non-work hours. Commercially available dust monitors are typically capable of holding a charge for an 8-10 hour work day.

The PIDs will be set up to data log and display TVOC measurements in 15-minute increments in order to determine the sustained TVOC readings in ambient air. TVOC readings will be logged at least every two hours by the Engineering Technician, and data will be downloaded daily to the electronic repository (Section 5.3).

3.4.4 Individual VOCs

If PID TVOC data collected at any AMS exceeds the real time 15-minute average TVOC action level of 8.5 ppbv for four consecutive 15-minute periods, air samples will be collected twice (morning and afternoon) in the following day with the FROG-4000, and analyzed on-Site for benzene, ethylbenzene, and naphthalene. The FROG-4000 will be calibrated daily with analyte-specific solutions. For quality assurance/quality control purposes, one blank and duplicate sample will be collected for every 20 samples collected or at least once per day.

3.4.5 Odor Monitoring

Real-time odor monitoring will be conducted concurrent with visible dust monitoring. At each AMS the Engineering Technician will note the presence and nature of the odors that are emanating from the active earthwork area. If odors are noted, the Engineering Technician will record the observations in the daily field log.

3.5 Time-Averaged Sampling Methods, Frequency and Procedures

Time-averaged perimeter air samples will be collected for VOCs, PAHs, and asbestos at each AMS during soil disturbing activities at the Site. Time-averaged samples will be collected two times per week for the first three weeks of the ground disturbing activity at each AMS and analyzed on an expedited 48-hour turnaround time (TAT). If 90% of the sample results are below the respective action levels during the three-week period, sampling will be reduced to a frequency of one day per week. These reduced frequency samples will be submitted for chemical testing on a five-day TAT. The sample dates within each week will be selected on a random basis, as determined by the air monitoring technician.

If monitoring parameters exceed action limits in samples analyzed and real-time monitoring shows an increase in TVOCs or PM10, then time-averaged sampling at each AMS will be conducted until monitoring data show COPC concentrations in perimeter ambient air are below action limits. The frequency of sampling shall be evaluated by the AQPE.

If ground disturbing activities are suspended for a period of longer than 3 months, Time averaged samples will be conducted during the first 10 days of resumed ground disturbing activities.

3.5.1 Time-Averaged Air Samples for VOCs

Time-averaged air samples for VOCs will be collected at each AMS in laboratory-certified clean Summa canisters. Each canister will be equipped with a flow controller calibrated for the 8-hour sampling interval. Samples will be analyzed for VOCs by USEPA Method TO-15 for benzene, ethylbenzene, and naphthalene. Laboratory reporting limits for VOCs are included in **Table 1**.

3.5.2 Time-Averaged Samples for PAHs

PAHs in particulate matter will be sampled using sampling pumps equipped with sorbent sampling media containing polyurethane foam and XAD resin provided by the laboratory. Sorbent media will be wrapped in aluminum foil during shipment to and from the laboratory to preserve integrity of the samples. After collection, samples will be refrigerated until shipment and once shipped will be preserved with ice. Gilian Hi-Flow 531A sampling pumps will be calibrated such that ambient air will be pulled through the sampling media between 2 to 5 liters per minute for 8 hours. Sample media will be analyzed for PAHs by modified USEPA Method TO-13A SIM.

3.5.3 Time-Averaged Samples for Asbestos

Asbestos samples will be collected over an 8-hour time period with SKC sampling pumps into laboratory-provided cassettes. The sampling pumps will be set to a target flow rate of approximately 8.6 liters per minute to achieve the required analytical sensitivity. After collection, sample media will be placed in a zip-top style plastic bag for shipping and submitted for analysis. Samples will be analyzed for asbestos using NIOSH 7400 with PCM and NIOSH 7402 with TEM methods. NIOSH 7400 provides time-weighted, total fiber concentration which includes asbestos and non-asbestos fibers. The NIOSH 7402 TEM analysis distinguishes between asbestos and non-asbestos fibers and will only be run if the concentration of total fibers reported by the PCM analysis exceeds the action level for asbestos.

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4. DATA EVALUATION AND RESPONSE ACTIONS

4.1 Data Evaluation

Real-time and time-averaged data will be reviewed and compared to action levels as soon as data becomes available. Real-time monitoring data collected in the field will be compared to the real-time action levels (**Table 1**) by the Engineering Technician as soon as the data is received from the real-time monitoring device and/or observations. If data indicates that a specific parameter has exceeded its Action Level, the Engineering Technician shall notify the General Contractor as soon as practical and discuss an appropriate response to escalate the appropriate control measure to address the parameter that is exceeding the Action Level. Appropriate control measures are documented in Sections 7 and 8 of the DVOCP.

Time-averaged data will be validated by the Engineering Technician or AQPE as soon as it is received from the analytical laboratory. Data validation will include review of the sampling methodology, chain of custody, and laboratory quality control data. Data that is determined to be valid will be compared to Action Levels (**Table 1**) by the Engineering Technician. If data indicates that a specific parameter has exceeded its action level, the Engineering Technician shall notify the General Contractor as soon as practical and discuss an appropriate response to escalate the appropriate control measure to address the parameter that is exceeding the Action Level. Because the time-averaged data represents conditions for the previous day(s), the Engineering Technician and General Contractor will conduct a review of the activities occurring at the time the sample was collected and the corresponding real time air monitoring data and attempt to identify the conditions that contributed to the Action Level being exceeded. Under these circumstances, the Action Levels established for real-time monitoring should also be reviewed and adjusted, if warranted. Appropriate control measures and contingency measures are documented in Sections 7 and 8 of the DVOCP.

4.2 Response Actions

Response actions will be implemented based on the findings of the sampling and data evaluation Tasks. Response actions for real-time data will consist of the following actions:

1. If Visible dust is observed to be blowing offsite, the General Contractor shall be notified to escalate dust control measures appropriate for controlling visible dust.
2. If the TVOC Action Level at any of the AMS is exceeded by the real-time PID readings for four consecutive 15-minute averages, then discrete field samples will be collected and analyzed by the FROG 4000 (see Section 4.4.4). The results of the FROG 400 will be compared to the Acute Inhalation RELs for benzene, ethylbenzene, and naphthalene.
3. If the benzene, ethylbenzene, and/or naphthalene inhalation REL is exceeded by the FROG 400 readings for four consecutive 15-minute time periods, then the General Contractor shall be notified to escalate dust control measures appropriate for controlling VOCs.
4. If at any time, the escalated control measures are not effective at controlling the monitored parameter, the AQPE has the authority to require that ground disturbing

activities be suspended until weather conditions change, alternative control measures are identified, and/or action levels are re-evaluated.

Response actions for Time-averaged data will consist of the following actions:

1. If validated laboratory data indicated that any of the VOC, PAH, or asbestos Action Levels have been exceeded, time-averaged sampling for the constituents that exceeded the Action Levels, will be conducted on the day following receipt of the initial results. The General Contractor will also be notified to escalate the appropriate control measures.
2. If validated laboratory data indicate that any of the VOC, PAH, or asbestos Action Levels have been exceeded for two consecutive days, the General Contractor will be notified and earthwork may be temporarily suspended and an evaluation of control measures, real-time action levels and site conditions are conducted. Control measures and/or excavation means and methods will be modified in an effort to control the condition. The modified measures will be documented by the Engineering Technician and earth disturbing activities resumed by the contractor.

A summary of the perimeter air monitoring plan and response actions is provided in **Table 2.**

4.3 Documentation and Recordkeeping

Prior to initiation of the PAMP program, the AQPE will establish an electronic central repository for archiving all project air quality documentation. The repository will be a SharePoint or other similar cloud-based platform that can be accessed by outside parties. Initially, representatives of the Owner, General Contractor, Excavation Contractor, Water Board, SFDPH and BAAQMD will be provided with secure access to the repository. Others can be provided access on an as-needed basis.

Field activities and real time monitoring data shall be recorded by the Engineering Technician on a daily basis on field forms. Completed field forms will be converted to pdf format and uploaded to the electronic repository on a weekly basis. Reports from the analytical laboratory will be stored in the electronic repository within 24 hours of receipt.

As is required by BAAQMD, to comply with the ATCM, air monitoring records will be kept for at least seven years after project completion, and BAAQMD has the authority to request air monitoring reports or results within this timeframe.

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TABLES

TABLE 1
ACTION LIMITS AND ANALYTICAL REPORTING LIMITS
Potrero Power Station
San Francisco, California

Real-Time Action Limits

Constituent	Acute Inhalation REL		TVOC Action Level [1]
	µg/m3	ppbv	ppbv
Benzene	27	8.5	**8.5**
Ethylbenzene	2,000	461	
Naphthalene	9	1.7	

Constituent	Action Level ($\mu g/m^3$)[2]
PM_{10} Dust	50

Time-Averaged Action Limits

VOCs by TO-15

Analyte	Action Level ($\mu g/m^3$)
Benzene	9.1
Ethylbenzene	110
Naphthalene	7.7

Asbestos by NIOSH Method 7400

Analyte	Action Level (f/cc)[3]
Asbestos	0.1

PAHs by TO-13 SIM

Analyte	Action Level ($\mu g/m^3$)
Acenaphthene	1,100
Anthracene	5,300
Benzo[a]anthracene	2.4
Benzo[a]pyrene	0.24
Benzo[b]fluoranthene	2.4
Benzo[k]fluoranthene	2.4
Chrysene	24
Dibenz(a,h)anthracene	0.22
Fluorene	7,000
Indeno[1,2,3-cd]pyrene	2.4
Methylnaphthalene, 2-	70.0
Naphthalene	7.7
Pyrene	530

Abbreviations:
f/cc = fibers per cubic centimeter
m^3 = cubic meter
µg = micrograms
$\mu g/m^3$ = microgram per cubic meter
NIOSH = National Institute for Occupational Safety and Health
REL = reference exposure levels
PAHs = polycyclc aromantic hydrocarbons
ppbv = parts per billion by volume
SIM = select ion monitoring
TEM = transmission electron microscopy
TVOC = total volatile organic compounds
VOCs = volatile organic compounds

Notes:
1. The TVOC acute action level is considered to have been exceeded when the 15-minute average TVOC levels culminate in a sustained (1 hour) TVOC emission at the perimeter exceeding 8.5 ppbv.
2. The 24-hour PM_{10} standard of 50 $\mu g/m^3$ will be applied on an approximately 1-hour averaging basis at the property boundary as a conservative measure.
3. If samples collected exceed 0.1 fibers per cubic centimeter (f/cc), samples will be run for analysis using TEM.

References:
Haley & Aldrich, 2017. Ambient Perimeter Air Monitoring Plan, Northeast Area of the Potrero Power Plant Site and a Portion of the Southeast Area of Pier 70, San Francisco, California. February.
California Office of Environmental Health Hazard Assessment (OEHHA), 2019. OEHHA Acute, 8- hour and Chronic Reference Exposure Level (REL) Summary, November 4. Online: https:// https://oehha.ca.gov/air/general-info/oehha-acute-8-hour-and-chronic-reference-exposure-level-rel-summary.

TABLE 2
SUMMARY OF PERIMETER AIR MONITORING PLAN
Potrero Power Station
San Francisco, California

Sampling Activity	Parameter	Analysis Method/Instrument	Monitoring Frequency	Documentation	Response Actions
Real-Time Fenceline Air Monitoring	TVOCs	- Handheld photoionization detector with sensitivity in the part per billion range - IonScience PhoCheck+2000Ex™ PID, or similar ppbv-PID, with a 10.6 eV lamp to monitor	- The PIDs will be set up to data log and display TVOC measurements in 15-minute incrementsthroughout the work day to determine the sustained TVOC readings in ambient air. TVOC readings will be logged at least every two hours. -The PID will be calibrated daily and operated according to manufacturer specifications.	- Hand-held data will be recorded throughout the work day in field logbooks. - Data will be downloaded daily to the electronic repository	- If the TVOC Action Level at any of the AMS is exceeded by the PID readings for four consecutive 15-minute averages, then discrete field samples will be collected and analyzed by the FROG 4000. The results of the FROG 400 will be compared to the Acute Inhalation RELs for benzene, ethylbenzene, and naphthalene. - If the benzene, ethylbenzene, and/or naphthalene inhalation REL is exceeded by the FROG 400 readings, then the General Contractor shall be notified to escalate dust control measures appropriate for controlling VOCs. - If the engineering controls and/or modification of work activity still do not result in VOC levels below action levels, then work must stop until action levels are revised or other acceptable measures to mitigate the risk in emissions are developed.
	Individual VOCs	- Hand Held Gas Chromatograph with Photoionization Detector - Defiant Technologies FROG-4000	- If the TVOC Action Level at any of the AMS is exceeded by the PID readings for four consecutive 15-minute averages, then discrete field samples will be collected and analyzed by the FROG 4000. -The FROG 4000 will be calibrated daily and operated according to manufacturer specifications.	- Hand-held data will be recorded in real time in field logbooks.	- If the benzene, ethylbenzene, and/or naphthalene inhalation REL is exceeded by the FROG 400 readings for four consecutive 15-minute time periods, then the General Contractor shall be notified to escalate dust control measures appropriate for controlling VOCs.
	Respirable Dust (PM10)	- TSI DustTrak DRX™ nephelometer, or similar	- PM10 dust data will be collected continuously throughout the work day and checked approximately every two hours during the work shift to verify operation and compliance with the action levels established in this PAMP.	- Hand-held data will be recorded in real time in field logbooks. - Data will be downloaded daily to the electronic repository	- If Visible dust is observed to be blowing offsite or the PM10 monitoring data exceed the threshold, the General Contractor shall be notified to escalate dust control measures appropriate for controlling visible dust.
Time-averaged Fenceline Laboratory Air Sampling	PAHs	- Polyurethane foam and XAD resin - Analyze for PAHs using USEPA Method TO-13A SIM - Gilian Hi-Flow 531A sampling pumps will be calibrated such that ambient air will be pulled through the sampling media between 2 to 5 liters per minute for 8 hours.	- During the initial three weeks of ground disturbing activities, samples will be collected twice a week at each AMS and submitted on an expedited 48-hour TAT. - If 90% of the sample results are below the respective action levels during the 3-week period, sampling will be reduced to once per week. Subsequent samples will be submitted on a 5-day TAT.	- Record air sampling objective, air sampling activity and air sampling collection details in field logbooks and field air sample management/ chain--of-custody forms. Download laboratory EDD reports daily to the electronic repository.	- If validated laboratory data indicates that any of the VOC, PAH, or asbestos action levels have been exceeded, time-averaged sampling for the constituents that exceeded the action levels, will be conducted on the following day. The General Contractor will also be notified to escalate the appropriate control measures. - If validated laboratory data indicates that any of the VOC, PAH, or asbestos Action Levels have been exceeded for two consecutive days, the General Contractor will be notified and earthwork may be temporarily suspended and an evaluation of control measures, real-time action levels and site conditions are conducted. Control measures and/or excavation means and methods will be modified in an effort to control the condition.
	VOCs	- Samples will be collected in passivated 6-liter Summa canisters equiped with 8-hour flow controllers. - Samples will be analyzed for VOCs by USEPA Method TO-15 SIM for benzene, ethylbenzene, and naphthalene.	- For the first three weeks of ground disturbing activities, samples will be collected twice a week at each AMS and analyzed on an expedited 48-hour TAT. If 90% of the sample results are below the respective action levels during the 3-week period, sampling will be reduced to once per week. Subsequent samples will be submitted on a 5-day TAT. - The weekly sample date will be selected on a random basis, as determined by the air monitoring technician.	- Record air sampling objective, air sampling activity and air sampling collection details in field logbooks and field air sample management/ chain--of-custody forms. Download laboratory EDD reports daily to the electronic repository.	

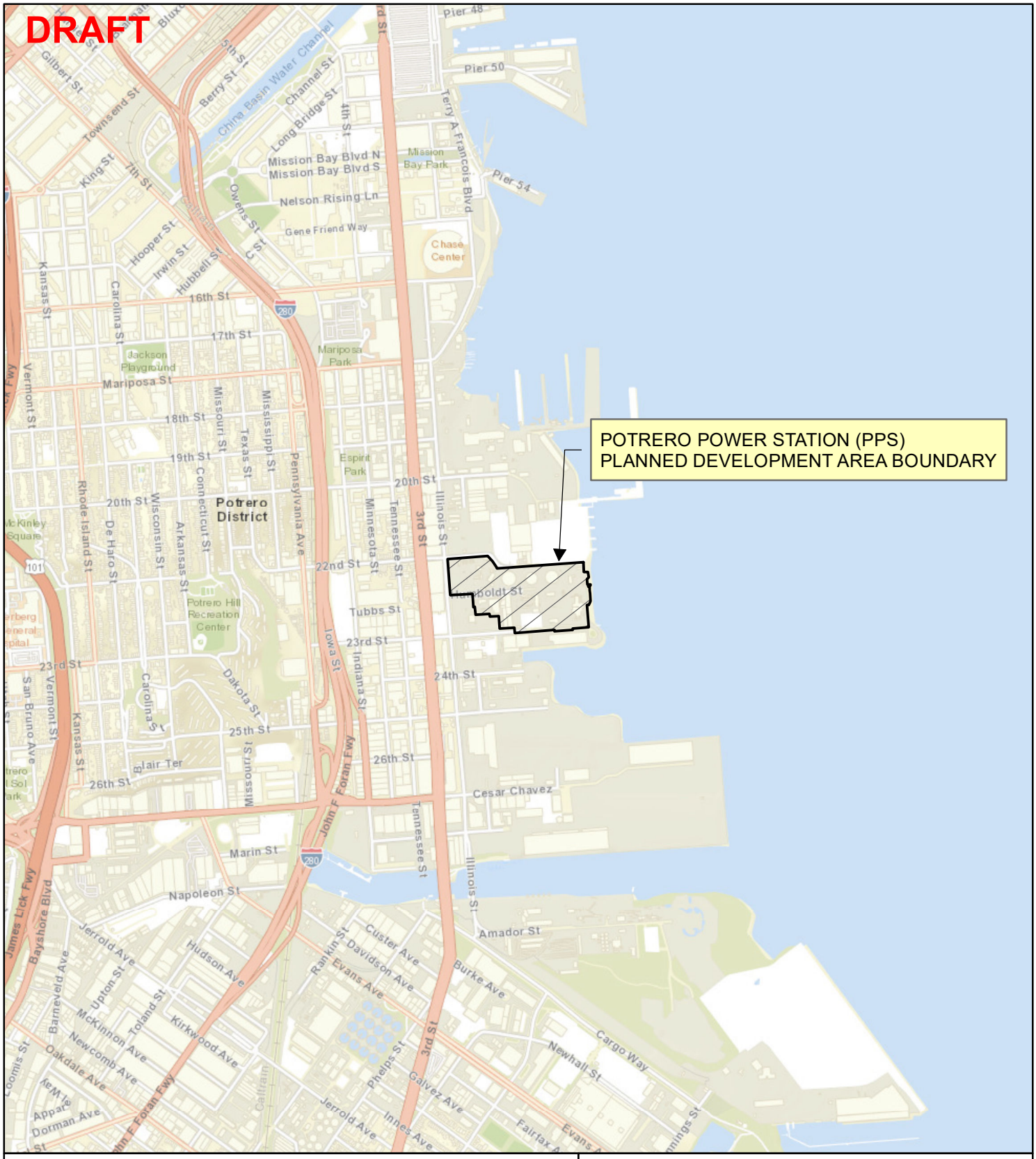
Notes:

REL = California Office of Environmental Health Hazard Assessment (OEHHA) Acute, 8- hour and Chronic Reference Exposure Level

Abbreviations:

AMS = air monitoring station
EDD = Electronic Data Delivery
eV = electorn volt
PAHs = polycyclic aromatic hydrocarbons
PAMP = perimeter air monitoring plan
PID = photoionization detector
PM_{10} = particulatematter less than 10 microns
ppbv = parts per billion by volume
TAT = turnaround time
TVOCs = total volatile organic compounds
USEPA = United States Environmental Protection Agency
VOCs = volatile organic compounds

FIGURES



Site Location Map

Risk Management Plan
Potrero Power Station
San Francisco, California

Geosyntec consultants

Figure 1

WR2273 | August 2020

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DRAFT

PG&E PROPERTY

Pier 70 (SF Port Property)

22nd Street

General Construction Yard

North Switchyard

AMS-1

TANK FARM AREA

AMS-2

AMS-3

NORTHEAST AREA

Humboldt Street

Illinois Street

OFFSHORE AREA

STATION A AREA

South Switchyard (PG&E Property)

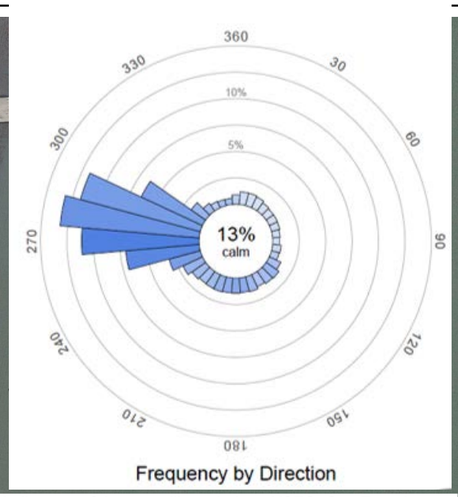
UNIT 3 AREA

Port of San Francisco Propoerty

AMS-4

23rd Street

POTRERO POINT PARK



A diagram of the prevailing winds at KSFO: San Francisco International Airport. The blue is a wind rose: the bar length shows the frequency of winds from each direction.

Legend

- Air Monitoring Station Location
- Prevailing Wind Direction
- Project Boundary
- PPP Property Boundary Line and PG&E Remediation Areas
- Site Area
- BCDC Bay Jurisdiction (Mean High Tide: 94.51'(Mission Bay Datum)/5.81' (NAVD 88))
- PG&E Property

N

0 160 Feet

Air Monitoring Station Location Map

Potrero Power Station
420 23rd Street,
San Francisco, California

Geosyntec consultants

WR2273 | August 2020

Figure 2

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APPENDIX A:
Tank Farm Area Soil and Soil Vapor Analytical Results

TABLE A-1
SOIL ANALYTICAL RESULTS - VOLATILE ORGANIC COMPOUNDS
Tank Farm Area
Potrero Power Station, San Francisco, CA

Boring Location	Sample Depth (ft bgs)	Date	1,2,4-Trichlorobenzene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Benzene	Ethylbenzene	Toluene	o-Xylene	Xylenes, total
Direct Exposure Commercial ESL			110,000	--	--	1,400	26,000	5,300,000	--	2,500,000
Construction/Trench Worker Exposure Scenario ESL			240,000	--	--	33,000	540,000	4,700,000	--	2,400,000
GB-127	2	11/13/2017	--	--	--	**3.2**	--	--	--	--
GB-128	5	12/6/2017	**16**	--	--	**17**	**11**	--	--	--
GB-128	10	12/7/2017	--	--	--	**110**	**8.3**	**48**	**2.7**	--
GB-129	9.25	11/20/2017	--	--	--	**1.5**	--	--	--	--
GB-129	18.75	11/20/2017	--	--	--	**0.84**	--	--	--	--
GB-130	2	11/14/2017	--	--	--	**1.8**	--	--	--	--
GB-130	5	11/15/2017	--	**110**	--	**48**	**76**	--	--	--
GB-130	10	11/15/2017	**1.9**	--	--	**2.3**	--	--	--	--
GB-130	15	11/15/2017	--	--	--	**1.4**	--	--	--	--
GB-130	19	11/15/2017	--	--	--	**1.5**	--	--	--	--
GB-130	25.75	11/15/2017	--	**51,000**	**22,000**	**600,000**	**400,000**	**74,000**	**58,000**	--
GB-131	2	11/13/2017	--	--	--	**2.4**	--	--	--	--
GB-131	6.5	12/4/2017	--	--	--	**6.7**	--	**0.92**	--	--
GB-131	9	12/4/2017	**6.8**	--	--	**12**	**4.4**	**1.7**	**2.9**	--
GB-131	12.5	12/4/2017	--	--	--	**98**	--	--	--	--
GB-131	16.5	12/4/2017	--	**1,300**	**380**	**300**	**1,300**	**380**	**550**	--
GB-131	28	12/4/2017	**2.7**	--	--	**1.2**	--	--	--	--
GB-132	2	11/13/2017	**17**	--	--	**6.2**	--	**2.2**	**2**	--
GB-132	5	11/13/2017	**8.4**	--	--	**30**	**4.3**	**1.6**	**2.2**	--
GB-132	10	11/13/2017	**8.9**	--	--	**4.2**	--	**1.2**	--	--
GB-132	15	11/13/2017	**1.8**	--	--	**1.6**	--	--	--	--
GB-132	20	11/13/2017	**5.4**	--	--	**4.6**	--	**0.75**	--	--
GB-132	25	11/14/2017	**2.3**	--	--	**5.4**	--	--	--	--
GB-133	2	11/17/2017	--	--	--	**0.99**	--	--	--	--
GB-134	2	11/15/2017	**250**	**270**	--	**160**	**630**	**100**	**580**	--
GB-134	5	11/20/2017	**430**	--	--	**210**	**670**	**61**	**310**	--
GB-134	10	11/21/2017	**9.9**	--	--	**3.3**	--	--	--	--
GB-135	2	11/17/2017	--	--	--	**2.4**	--	--	--	--
GB-135	10.5	11/20/2017	--	--	--	**2.6**	--	--	--	--
GB-135	14.5	11/20/2017	--	--	--	**1**	--	--	--	--
GB-135	19	11/20/2017	--	--	--	**0.96**	--	--	--	--
GB-136	2	11/13/2017	--	--	--	**2.7**	--	--	--	--
GB-136	5	11/13/2017	**5.1**	--	--	**4.3**	--	**0.98**	--	--
GB-138	2	11/9/2017	--	--	--	**1.3**	--	--	--	--
GB-139	3	11/15/2017	--	--	--	**11**	**1.1**	**2**	**0.98**	--
GB-140	4.75	11/9/2017	--	--	--	**1.3**	--	--	--	--
GB-141	5	11/21/2017	--	--	--	**100**	**39**	**68**	**47**	--
GB-142	5	11/8/2017	--	--	--	**6.1**	--	--	--	--
GB-142	10	11/8/2017	--	**2,500**	**1,000**	**32,000**	**13,000**	**2,200**	**3,200**	--
GB-142	15	11/8/2017	--	**2,800**	**1,500**	**42,000**	**940**	--	**2,500**	--
GB-142	20	11/8/2017	--	**1,500**	**1,200**	**12,000**	--	--	**1,300**	--
GB-142	23	11/8/2017	--	--	--	**6,600**	--	**2,000**	**190**	--
GB-143	5	11/9/2017	--	--	--	**8.4**	--	--	--	--
GB-143	10	11/9/2017	--	**1,400**	--	**5,800**	**15,000**	**2,800**	**1,800**	--
GB-143	10.5	11/9/2017	--	--	--	**56,000**	**24,000**	**18,000**	--	--
GB-143	13	11/9/2017	--	--	--	**1.4**	--	--	--	--
GB-144	2	11/10/2017	--	--	--	**9**	--	--	--	--
GB-144	5.5	11/10/2017	--	**92**	--	**280**	--	**320**	**85**	--
GB-146	1	12/5/2017	--	--	--	**82**	--	--	--	--
GB-146	4	12/5/2017	--	**9.9**	--	**11,000**	**33,000**	--	**11,000**	--
GB-147	2	11/10/2017	--	--	--	**1**	--	--	--	--
GB-147	5	11/10/2017	--	--	--	**140**	--	--	--	--
GB-147	9.25	11/10/2017	--	**18,000**	**6,900**	**95,000**	**47,000**	**22,000**	**16,000**	--
GB-147	12.5	11/10/2017	--	**6,800**	**4,800**	**5,100**	--	**2,300**	**5,000**	--
GB-147	15	11/10/2017	--	--	--	**960**	--	--	**280**	--
GB-148	2	11/7/2017	--	--	--	**1.5**	--	--	--	--
GB-148	5	11/7/2017	--	--	--	**68**	**5.8**	**1.6**	**5.9**	--
GB-148	7.5	11/7/2017	--	**14,000**	**6,000**	**27,000**	**32**	**12,000**	**16000**	--
GB-150	10	11/7/2017	--	--	--	**330**	--	--	--	--
GB-151	2	11/8/2017	--	--	--	**1.2**	--	--	--	--
GB-151	5	12/4/2017	--	--	--	**2.9**	--	--	--	--
GB-151	9.5	12/5/2017	--	**15,000**	--	**13,000**	**67,000**	--	**13000**	--
GB-151	19	12/5/2017	--	--	--	**140,000**	**50,000**	**14,000**	**7,600**	--
GB-152	10.5	11/21/2017	--	**2.1**	--	--	--	--	--	--
GB-152	16.5	11/21/2017	--	--	--	--	--	--	--	--
GB-153	1.5	12/5/2017	--	--	--	**1.2**	--	--	--	--
GB-153	5	11/21/2017	--	--	--	**3.4**	--	**1.1**	--	--
GB-153	9	12/5/2017	--	--	--	--	--	--	--	--
GB-153	13	12/5/2017	--	--	--	--	--	--	--	--
GB-153	18	12/5/2017	--	--	--	**95,000**	--	--	--	--
GB-154	9.5	12/4/2017	--	--	--	**2.1**	--	**2.1**	--	--
GB-154	19	12/6/2017	--	--	--	**2,000**	**1,100**	--	**240**	--
GB-155	2	11/16/2017	--	--	--	**3.1**	--	--	--	--
GB-155A	9	1/4/2018	--	--	--	**19,000**	**3,500**	--	--	--
GB-155A	15	1/4/2018	--	--	--	**140**	**72**	--	**44**	--
GB-156	2	11/16/2017	--	--	--	**3.2**	--	--	--	--
GB-156A	5	1/2/2018	--	--	--	**3.8**	--	--	--	--
GB-157	10	1/8/2018	--	--	--	**1.6**	--	--	--	--
GB-158	15	1/5/2018	--	--	--	**18**	--	**4.9**	--	--
GB-159	8.5	1/4/2018	--	--	--	**8.3**	--	--	--	--
GB-161	9.25	1/5/2018	--	--	--	**130,000**	**190,000**	**84,000**	**47,000**	--
GB-161	15	1/5/2018	--	--	--	**17,000**	**15,000**	--	--	--
GB-161	17.5	1/5/2018	--	--	--	--	**500**	--	**58**	--
GB-162	9.5	1/4/2018	--	--	--	**140,000**	**59,000**	**41,000**	**19,000**	--
GB-162	19.5	1/4/2018	--	--	--	--	**610**	--	--	--

TABLE A-1
SOIL ANALYTICAL RESULTS - VOLATILE ORGANIC COMPOUNDS
Tank Farm Area
Potrero Power Station, San Francisco, CA

Boring Location	Sample Depth (ft bgs)	Date	1,2,4-Trichlorobenzene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Benzene	Ethylbenzene	Toluene	o-Xylene	Xylenes, total
Direct Exposure Commercial ESL			110,000	--	--	1,400	26,000	5,300,000	--	2,500,000
Construction/Trench Worker Exposure Scenario ESL			240,000	--	--	33,000	540,000	4,700,000	--	2,400,000
GB-163	9	1/3/2018	--	--	--	**13**	**3.2**	**2.5**	**3.5**	--
GB-163	14	1/3/2018	--	--	--	**50,000**	**36,000**	--	--	--
GB-163	23	1/3/2018	--	--	--	**6,600**	**6,300**	--	**1,800**	--
GB-164	7.5	1/3/2018	--	--	--	**28,000**	**6,400**	**11,000**	**1,600**	--
GB-166	20.5	1/3/2018	--	--	--	**2.3**	--	--	--	--
GB-167	5.5	1/12/2018	--	--	--	--	--	--	**1.1**	--
GB-167	9	1/12/2018	--	--	--	--	**1,400**	--	**1,600**	--
GB-167	17	1/12/2018	--	--	--	**8,100**	**9,700**	**10,000**	**30,000**	--
GB-167	19.78	1/12/2018	--	--	--	**110**	**150**	--	**79**	--
MW-POT-10	5.5-6	2/27/1991	--	--	--	**33**	**6.6**	**12**	--	**10**
MW-POT-10	9-11	2/27/1991	--	--	--	--	ND	ND	--	ND
MW-POT-11	1.5-2	3/5/1991	--	--	--	ND	ND	ND	--	ND
MW-POT-11	5.5-6	3/5/1991	--	--	--	ND	ND	ND	--	ND
MW-POT-12	2.5-3	2/26/1991	--	--	--	--		**0.36**	--	--
MW-POT-12	10.5	2/26/1991	--	--	--	--	**16**	--	--	--
PL3.5W	4.5-5	4/17/1990	ND	--	--	ND	ND	ND	--	**64**
PL4C	4.5-5	4/17/1990	ND	--	--	ND	**1,000**	**250**	--	**11,000**
PL4N	4.5-5	4/17/1990	ND	--	--	**6,100**	ND	ND	--	ND
PL5E	4.5-5	4/17/1990	ND	--	--	**7,200**	**0.014**	**5**	--	**170**
POT-10	6-6.5	2/27/1991	--	--	--	**33,000**	**6.6**	--	--	**10**
POT-12	2-2.5	2/26/1991	--	--	--	ND	ND	**0.36**	--	ND
POT-12	10-10.5	2/26/1991	--	--	--	ND	**16**	ND	--	**19**
POT-13	7-7.5	2/26/1991	--	--	--	ND	**1.8**	--	--	ND
POT-13	30-30.5	2/26/1991	--	--	--	**120,000**	**27**	--	--	**340**
S-1	2-2.5	11/10/1989	--	--	--	--	ND	**10**	--	**11**
S-1.5	2-2.5	11/10/1989	--	--	--	--	**62**	**51**	--	--
S-2	2.5-3	11/10/1989	--	--	--	ND	ND	**10**	--	ND
S-2	3-3.5	11/10/1989	--	--	--	ND	ND	**15**	--	ND
S-2	4.5-5	11/10/1989	--	--	--	ND	**54**	**66**	--	**368**
S-2	9.5-10	11/10/1989	--	--	--	ND	**12**	**32**	--	**51**
S-3	2.5-3	11/10/1989	--	--	--	ND	**12**	**26**	--	**53**
S-3	4.5-5	11/10/1989	--	--	--	ND	**7**	**23**	--	**18**
S-3	6.5-7	11/10/1989	--	--	--	ND	ND	**24**	--	**75**
S-3	7.5-8	11/10/1989	--	--	--	--	**69**	**67**	--	--
TB3-003	9-10	11/24/1997	ND	ND	ND	ND	ND	ND	ND	ND
TB3-012	25-26	2/27/1998	ND	ND	ND	**13**	ND	ND	--	ND
TB3-012	29.5-30	2/27/1998	ND	ND	ND	**7.2**	ND	ND	--	ND
TB3-012	33-34	2/27/1998	--	--	--	**7.7**	ND	ND	--	ND

Notes:
1. ESLs; Table S-1. Direct Exposure Soil Screening Levels, Commercial/Industrial Worker Exposure Scenario, Most Stringent (Water Board, Jan. 2019).
2. ESLs; Table S-1. Direct Exposure Soil Screening Levels, Construction/Trench Worker Exposure Scenario, Most Stringent (Water Board, Jan. 2019).
3. All results are in ug/kg
4. Only constituents with at least one detection are included here

Abbreviations:
ESL = environmental screening level
ft bgs = feet below ground surface
ND = not detected above the laboratory reporting limit
-- = not analyzed
ug/kg = micrograms per kilogram
< = The analyte was not detected above the reported detection limit.

References:
Haley & Aldrich, 2018, Tank Farm Area Investigation Report, Potrero Power Plant Site, San Francisco, California, July.

TABLE A-2
SOIL VAPOR ANALYTICAL RESULTS - VOLATILE ORGANIC COMPOUNDS
Tank Farm Area
Potrero Power Station, San Francisco, CA

Location ID	Sample ID	Sample Depth (ft bgs)	Sample Date	1,2,4-Trimethyl- benzene	1,3,5-Trimethyl- benzene	2-Butanone (MEK)	4-Ethyltoluene	Acetone	Benzene	Carbon Disulfide	Chloroform	Chloromethane	Cumene	Cymene	Dichloro- difluoromethane (Freon 12)	Ethylbenzene	Hexane	m,p-Xylenes	Methyl tert- butyl ether (MTBE)	Naphthalene	n-Butylbenzene	n- Propylbenzene	o-Xylene	sec- Butylbenzene	Styrene	Tetra- chloroethene	Toluene	Trichloro- ethene (TCE)	Trichlorofluor o-methane (Freon 11)	Xylenes
GB-135	GB-135-SV-4	4	12/18/2017	<0.0074	<0.0025	<0.0044	<0.0025	0.018	0.0017	0.0066	0.0045	<0.001	--	--	0.0054	<0.0022	--	<0.0087	<0.0072	<0.026 [a]	--	--	<0.0022	--	<0.0064	0.35	<0.0019	<0.0027	0.019	<0.0087
GB-137	GB-137-SV-4	4	12/15/2017	<0.0074	0.0026	<0.0044	<0.0025	0.02	0.019	0.16	0.0028	<0.001	--	--	0.1	0.011	--	0.011	<0.0072	<0.026	--	--	0.0031	--	<0.0064	<0.0034	0.0053	<0.0027	0.24	0.014
GB-141	GB-141-SV-8	8	12/15/2017	<0.0074	<0.0025	0.0051	<0.0025	0.033	0.073	0.16	0.029	0.0015	--	--	<0.0025	0.015	--	<0.0087	0.016	<0.026	--	--	0.0078	--	<0.0064	<0.0034	0.0098	0.056	<0.0056	0.0078
GB-142	GB-142-SV-6	6	12/14/2017	<0.024	<0.008	<0.014	<0.008	<0.015	0.065	<0.02	<0.0079	<0.0034	--	--	<0.008	0.047	--	0.034	<0.023	<0.085	--	--	0.011	--	<0.021	<0.011	0.031	<0.0087	<0.018	0.045
GB-143	GB-143-SV-6	6	12/14/2017	0.15	0.76	<0.077	0.27	<0.083	2.7	0.12	0.044	<0.018	--	--	<0.043	1.4	--	<0.15	<0.13	<0.46	--	--	0.2	--	<0.11	<0.059	0.17	<0.047	<0.098	0.20
GB-145	GB-145-SV-5	5	12/14/2017	<0.0074	<0.0025	<0.0045	<0.0025	0.0082	<0.0016	<0.0063	0.0086	<0.001	--	--	<0.0025	<0.0022	--	<0.0088	<0.0073	<0.026	--	--	<0.0022	--	<0.0065	0.0077	0.0037	<0.0027	<0.0057	<0.0088
GB-146	GB-146-SV-7	7	12/18/2017	3.9	1.6	<0.022	0.56	0.074	11	0.098	<0.012	<0.0052	--	--	<0.012	16	--	10	<0.036	13	--	--	7.5	--	0.13	<0.017	3.7	<0.013	<0.028	18
GB-147	GB-147-SV-5	5	12/15/2017	<0.29	<0.098	<0.18	<0.098	<0.19	1.8	<0.25	<0.098	<0.041	--	--	<0.099	0.44	--	0.58	<0.29	<1	--	--	0.26	--	<0.26	<0.14	0.59	<0.11	<0.22	0.84
GB-148	GB-148-SV-6	6	12/18/2017	1.6	0.81	<0.18	0.55	0.61	280	<0.25	<0.098	<0.041	--	--	<0.099	21 J	--	12	<0.29	4.1 J	--	--	6.7	--	0.70	<0.14	17 J	<0.11	<0.22	19
GB-149A	GB-149A-SV-5	5	2/28/2018	<0.0074	<0.0025	<0.0044	<0.0025	0.0074	0.007	<0.0062	<0.0024	<0.001	--	--	<0.0025	<0.0022	--	<0.0087	<0.0072	<0.026	--	--	<0.0022	--	<0.0064	<0.0034	<0.0019	<0.0027	0.041	<0.0087
GB-150A	GB-150A-SV-5	5	2/28/2018	<0.0074	<0.0025	<0.0044	<0.0025	0.063	0.0096	0.017	<0.0024	<0.001	--	--	<0.0025	0.0046	--	<0.0087	<0.0072	0.085	--	--	0.0026	--	<0.0064	0.0064	0.0066	<0.0027	<0.0056	0.0026
GB-151	GB-151-SV-5	5	12/18/2017	<0.29	<0.098	<0.18	<0.098	<0.19	77 J	<0.25	<0.098	<0.041	--	--	<0.099	1.1	--	<0.35	<0.29	5.6	--	--	0.15	--	<0.26	<0.14	0.64	<0.11	<0.22	0.15
	GB-151-SV-8	8	12/18/2017	1.2	0.76	<0.18	1.7	<0.19	260	<0.25	<0.098	<0.041	--	--	<0.099	70	--	12	<0.29	3.7	--	--	7.4	--	0.34	<0.14	7.9	<0.11	<0.22	19
GB-152	GB-152-SV-6	6	12/14/2017	<0.02	<0.0066	<0.012	<0.0066	<0.013	<0.0043	<0.017	<0.0065	<0.0028	--	--	<0.0066	<0.0058	--	<0.023	<0.019	<0.07	--	--	<0.0058	--	<0.017	<0.0091	<0.005	<0.0072	<0.015	<0.023
GB-153	GB-153-SV-8	8	12/15/2017	<0.046	<0.015	<0.028	<0.015	<0.03	0.034	0.14	<0.015	<0.0065	--	--	<0.015	0.016	--	<0.054	<0.045	<0.16	--	--	<0.014	--	<0.04	<0.021	0.021	<0.017	<0.035	<0.054
GB-154	GB-154-SV-5	5	12/18/2017	<0.0074	<0.0025	<0.0044	<0.0025	<0.0048	<0.0016	<0.0062	0.0028	<0.001	--	--	<0.0025	<0.0022	--	<0.0087	<0.0072	<0.026	--	--	<0.0022	--	<0.0064	0.24	<0.0019	<0.0027	<0.0056	<0.0087
	DUP-121817	5	12/18/2017	<0.0074	<0.0025	<0.0044	<0.0025	0.011	<0.0016	<0.0062	0.0026	<0.001	--	--	<0.0025	<0.0022	--	<0.0087	<0.0072	<0.026	--	--	<0.0022	--	<0.0064	0.24	<0.0019	<0.0027	<0.0056	<0.0087
GB-155B	GB-155B-SV-5	5	2/27/2018	<0.29	<0.098	<0.18	<0.098	<0.19	5.2	<0.25	<0.098	<0.041	--	--	<0.099	0.41	--	0.64	<0.29	1.6	--	--	0.35	--	<0.26	<0.14	1.0	<0.11	<0.22	0.99
GB-155C	GB-155C-SV-3	3	2/28/2018	<0.029	<0.0098	<0.018	<0.0098	0.08	0.038	<0.025	0.03	<0.0041	--	--	<0.0099	0.01 J	--	<0.035	<0.029	<0.1	--	--	<0.0087	--	<0.026	<0.014	0.0088	<0.011	<0.022	<0.035
GB-156B	GB-156B-SV-5	5	2/28/2018	<0.0074	<0.0025	<0.0044	<0.0025	0.012	<0.0016	<0.0062	0.0084	<0.001	--	--	0.0037	<0.0022	--	<0.0087	<0.0072	<0.026	--	--	<0.0022	--	<0.0064	<0.0034	<0.0019	0.0046	<0.0056	<0.0087
GB-174	GB-174-SV-5	5	2/28/2018	<0.0075	<0.0025	<0.0045	<0.0025	0.043	<0.0016	<0.0064	0.0069 J	<0.0011	--	--	<0.0025	<0.0022	--	<0.0089	<0.0074	<0.027	--	--	<0.0022	--	<0.0065	<0.0035	<0.0019	<0.0027 UJ	<0.0057 UJ	<0.0089
	DUP-022818	5	2/28/2018	<0.0074	<0.0025	0.0081	<0.0025	0.03	<0.0016	<0.0062	<0.0024 UJ	<0.001	--	--	<0.0025	<0.0022	--	<0.0087	<0.0072	<0.026	--	--	<0.0022	--	<0.0064	<0.0034	<0.0019	0.025	0.046	<0.0087
SV08	SV08A	4	11/4/2009	0.038	<0.008	--	--	--	<0.008	--	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	1.18	--	<0.008	<0.008	<0.008	<0.008	--	0.039	<0.008	<0.008	0.209	<0.008	<0.008	0.060
	SV08A	4	11/4/2009	<0.056	<0.056	<0.034	<0.056	<0.11	<0.036	<0.036	<0.056	<0.094	<0.056	--	<0.057	<0.05	0.058	0.051	<0.041	<0.24	--	<0.056	<0.05	--	<0.049	<0.078	<0.043	<0.062	<0.064	0.051
	SV08A-091510	4	9/15/2010	<0.008	<0.008	--	--	--	<0.008	--	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	--	<0.008	0.129	<0.008	<0.008	--	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008
SV09	SV09	5	11/4/2009	0.908	0.222	--	--	--	238	--	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	--	<0.008	5.63	<0.008	<0.008	--	0.46	<0.008	<0.008	13.1	<0.008	<0.008	1.44
	SV09	5	9/15/2010	0.088	<0.058	<0.035	0.19	<0.11	0.91	<0.037	<0.058	<0.098	0.095	--	<0.059	0.29	0.1	0.2	<0.043	3.7	--	<0.058	0.086	--	0.054	<0.081	0.15	<0.064	<0.067	0.286
	SV09-5' 1P	5	9/15/2010	<0.008	<0.008	--	--	--	1.16	--	<0.008	<0.008	0.044	<0.008	<0.008	0.221	--	--	<0.008	1.65	<0.008	<0.008	--	<0.008	<0.008	<0.008	0.17	<0.008	<0.008	0.274
	SV09-5' 3P	5	9/15/2010	<0.008	<0.008	--	--	--	1.93	--	<0.008	<0.008	0.05	<0.008	<0.008	0.342	--	--	<0.008	1.77	<0.008	<0.008	--	<0.008	<0.008	<0.008	0.228	<0.008	<0.008	0.289
	SV09-5' 10P	5	9/15/2010	<0.008	<0.008	--	--	--	1.41	--	<0.008	<0.008	0.056	<0.008	<0.008	0.278	--	--	<0.008	1.95	<0.008	<0.008	--	<0.008	<0.008	<0.008	0.206	<0.008	<0.008	0.278
SV19	SV19	4.4	11/4/2009	<0.008	<0.008	--	--	--	0.052	--	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	0.353	--	<0.008	0.156	<0.008	<0.008	--	<0.008	<0.008	<0.008	0.336	<0.008	<0.008	<0.008
SV22	SV22	3	11/3/2009	0.392	0.148	--	--	--	22.1	--	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	1.78	--	<0.008	<0.008	<0.008	<0.008	--	0.19	<0.008	<0.008	1.19	<0.008	<0.008	2.39
SV24	SV24	5.2	11/3/2009	8.2	2.8	<1.4	5.3	<4.4	930	<1.4	<2.3	<3.8	<2.3	--	<2.3	200	7.9	130	<1.7	260	--	<2.3	42	--	100	5.7	600	<2.5	<2.6	172
	SV24-1P	5.2	11/3/2009	4.27	4.86	--	--	--	532	--	<0.008	<0.008	1.49	<0.008	<0.008	66.6	0.282	--	<0.008	<0.008	<0.008	36.2	--	0.159	1.02	<0.008	156	<0.008	<0.008	52.1
	SV24-3P	5.2	11/3/2009	5.73	3.11	--	--	--	717	--	<0.008	<0.008	1.16	0.355	<0.008	117	0.322	--	<0.008	<0.008	<0.008	52.3	--	0.23	0.464	<0.008	459	<0.008	<0.008	136
	SV24-7P	5.2	11/3/2009	4.14	2.28	--	--	--	581	--	<0.008	<0.008	0.636	<0.008	<0.008	89	0.309	--	<0.008	<0.008	<0.008	45.9	--	0.194	0.2	<0.008	375	<0.008	<0.008	103
	SV24-5.2'	5.2	9/15/2010	6.21	1.83	--	--	--	303	--	<0.008	<0.008	2.52	0.238	<0.008	103	--	--	<0.008	253	0.39	<0.008	--	<0.008	<0.008	<0.008	31.4	<0.008	<0.008	28.3
SV25	SV25	3.2	11/5/2009	<0.008	<0.008	--	--	--	<0.008	--	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	--	<0.008	<0.008	<0.008	<0.008	--	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008
	SV25-3.2 1P	3.2	9/15/2010	<0.008	<0.008	--	--	--	<0.008	--	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	--	--	<0.008	0.066	<0.008	<0.008	--	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008
	SV25-3.2 3P	3.2	9/15/2010	<0.008	<0.008	--	--	--	<0.008	--	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	--	--	<0.008	0.088	<0.008	<0.008	--	<0.008	<0.008	0.024	<0.008	<0.008	<0.008	<0.008
	SV25-3.2 10P	3.2	9/15/2010	<0.008	<0.008	--	--	--	<0.008	--	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	--	--	<0.008	0.063	<0.008	<0.008	--	<0.008	<0.008	0.012	<0.008	<0.008	<0.008	<0.008

TABLE A-2
SOIL VAPOR ANALYTICAL RESULTS - VOLATILE ORGANIC COMPOUNDS
Tank Farm Area
Potrero Power Station, San Francisco, CA

Location ID	Sample ID	Sample Depth (ft bgs)	Sample Date	1,2,4-Trimethyl- benzene	1,3,5-Trimethyl- benzene	2-Butanone (MEK)	4-Ethyltoluene	Acetone	Benzene	Carbon Disulfide	Chloroform	Chloromethane	Cumene	Cymene	Dichloro- difluoromethane (Freon 12)	Ethylbenzene	Hexane	m,p-Xylenes	Methyl tert- butyl ether (MTBE)	Naphthalene	n-Butylbenzene	n- Propylbenzene	o-Xylene	sec- Butylbenzene	Styrene	Tetra- chloroethene	Toluene	Trichloro- ethene (TCE)	Trichlorofluor o-methane (Freon 11)	Xylenes
SV30	SV30	6	11/3/2009	**0.235**	**0.062**	--	--	--	**2.88**	--	<0.008	<0.008	**1.19**	<0.008	<0.008	<0.008	**0.108**	--	<0.008	<0.008	<0.008	<0.008	--	**0.118**	**0.463**	<0.008	**3**	<0.008	<0.008	**1.13**
	SV30-6.0'	6	9/15/2010	<0.008	<0.008	--	--	--	**0.076**	--	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	--	<0.008	**1.37**	<0.008	<0.008	--	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008

Notes:
1. ESLs; Table S-1. Direct Exposure Soil Screening Levels, Commercial/Industrial Worker Exposure Scenario, Most Stringent (Water Board, Jan. 2019).
2. ESLs; Table S-1. Direct Exposure Soil Screening Levels, Construction/Trench Worker Exposure Scenario, Most Stringent (Water Board, Jan. 2019).
3. All results in mg/m^3
4. Only constituents with at least one detection are included here

Abbreviations:
ESL = environmental screening level
ft bgs = feet below ground surface
< = The analyte was not detected above the reported detection limit.
-- = not analyzed
mg/m^3 = milligrams per cubic meter

References:
Haley & Aldrich, 2018, Tank Farm Area Investigation Report, Potrero Power Plant Site, San Francisco, California, July.

TABLE A-3
SOIL ANALYTICAL RESULTS - POLYCYCLIC AROMATIC HYDROCARBONS
Tank Farm Area
Potrero Power Station, San Francisco, CA

Location ID	Sample Depth (ft bgs)	Date	1-Methylnaphthalene	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene	BaP Equivalents
Direct Exposure Commercial ESL			--	3,000	45,000	--	230,000	20	2.1	21	--	210	2,100	2.1	30,000	30,000	21	17	--	23,000	--
Construction/Trench Worker Exposure Scenario ESL			--	670	10,000	--	50,000	110	10	110	--	910	9,100	11	6,700	6,700	11	400	--	5,000	--
GB-127	2	11/13/2017	0.32	0.35	0.53	2.9	6.8	--	20	14	16	16	21	4.3	43	2.3	12	1.2	44	95	--
GB-127	6	12/7/2017	0.018	0.011	0.13	0.059	0.11	--	0.2	0.15	0.2	0.1	0.18	0.026	0.66	0.055	0.13	0.088	0.81	0.82	--
GB-128	2	11/13/2017	2.3	1.7	8.5	6.3	8.5	--	23	15	28	13	16	4.2	86	4.3	16	4.6	89	110	--
GB-128	5	12/6/2017	5.8	4.8	24	18	16	--	43	27	43	19	26	3.4	140	8	29	23	180	180	--
GB-128	10	12/7/2017	0.013	0.018	0.035	0.017	0.032	--	0.045	0.026	0.036	0.028	0.038	--	0.15	0.03	0.028	0.095	0.27	0.16	--
GB-129	2	11/8/2017	--	--	--	0.27	0.46	--	1.2	0.78	1.3	0.96	1.4	0.22	2.1	0.23	0.86	0.1	2.5	3.6	--
GB-129	5	11/20/2017	--	--	--	--	--	--	0.24	0.15	0.15	0.19	0.22	--	0.4	--	0.12	--	0.19	0.53	--
GB-129	9.25	11/20/2017	--	--	--	1.7	2.4	--	8.1	5.2	5.2	5.7	6.4	1	18	--	4.2	--	14	22	--
GB-129	18.75	11/20/2017	--	--	0.32	0.38	0.16	--	1	0.72	0.92	0.77	0.78	0.18	1.2	0.23	0.7	0.45	0.67	1.8	--
GB-129	22.5	11/20/2017	--	--	--	--	0.26	--	1.1	0.75	1.2	0.67	0.79	0.13	1.8	--	0.82	0.12	0.72	2.5	--
GB-130	2	11/14/2017	--	--	0.39	0.86	1.1	--	4.1	2.4	5.1	2.5	3.3	0.63	9.5	0.35	3.2	0.39	7.6	13	--
GB-130	5	11/15/2017	1.2	0.91	1.5	1.1	2.2	--	5.9	3	6.1	2.8	4	0.61	13	1.4	3.1	18	15	15	--
GB-130	10	11/15/2017	0.11	--	1.9	1.5	1.2	--	11	7.8	12	4.5	7.6	1.3	22	0.2	7.6	0.49	6.7	33	--
GB-130	15	11/15/2017	0.14	0.17	0.13	0.42	0.66	--	2.6	1.9	2.2	1.9	2.3	0.48	4.3	0.28	1.6	0.59	3.2	6	--
GB-130	19	11/15/2017	0.049	0.057	0.098	0.35	0.57	--	2.5	1.7	2.4	1.7	2	0.36	4.8	0.18	1.6	0.27	3.2	7	--
GB-130	25.75	11/15/2017	220	250	1700	330	550	--	1,900	1,000	2,300	600	830	120	4,400	240	1,400	5,300	5,300	5,700	--
GB-131	2	11/13/2017	0.17	0.13	2.9	1.5	2.4	--	12	6.7	17	6.9	9	1.3	28	0.82	9.1	0.47	22	37	--
GB-131	6.5	12/4/2017	1.6	1.3	8.6	4.2	4.9	--	25	15	27	11	15	1.7	50	1.9	18	4.9	48	60	--
GB-131	9	12/4/2017	0.84	0.68	1.4	0.96	2.5	--	6.7	3.4	4.4	3	4.5	0.61	16	1.3	3.3	11	17	19	--
GB-131	12.5	12/4/2017	2.6	3.5	9.8	6.8	7.7	--	25	15	27	12	16	1.7	58	3.1	18	39	64	68	--
GB-131	16.5	12/4/2017	2.5	2.3	1.3	1.8	2.1	--	4.7	3.1	3.1	3	4.2	0.65	11	1.3	2.6	87	11	14	--
GB-131	21.5	12/4/2017	0.13	0.11	3.6	1.6	1.5	--	10	6.7	11	4.4	7.5	0.89	23	0.28	7	0.59	4.4	30	--
GB-131	25	12/4/2017	0.13	0.11	0.57	1.7	1.9	--	14	9.8	12	8.1	11	1.2	33	0.31	9	0.71	12	39	--
GB-131	28	12/4/2017	--	--	0.38	0.9	0.68	--	6.8	3.5	4.2	3.4	4.6	0.65	13	0.12	3.2	0.28	2.1	17	--
GB-132	2	11/13/2017	0.29	0.27	1.5	1.6	1.9	--	8.8	6	9.1	4.9	6.9	1.2	20	0.71	5.7	1.5	15	23	--
GB-132	5	11/13/2017	0.51	0.37	6.2	2	2.6	--	12	7.5	14	6.3	7.7	1.4	28	0.44	8.2	5	17	33	--
GB-132	10	11/13/2017	0.14	0.14	1.8	1.1	1	--	7.5	4.5	8.6	3.9	5.8	0.96	16	0.13	5.2	0.69	3.7	19	--
GB-132	15	11/13/2017	--	--	0.1	0.56	0.63	--	3.3	2.3	3.8	2	2.9	0.52	7.4	0.1	2.3	0.21	2.7	10	--
GB-132	20	11/13/2017	0.041	0.016	0.079	0.088	0.17	--	0.63	0.36	0.7	0.37	0.58	0.081	1.2	0.035	0.36	0.18	0.85	2.5	--
GB-132	25	11/14/2017	0.45	0.2	0.88	0.98	1.8	--	6.4	3.7	8	3.1	4.8	0.67	15	0.55	3.9	1.5	11	21	--
GB-133	2	11/17/2017	0.061	0.076	0.14	0.5	0.94	--	3.5	2.9	3	2.2	3	0.37	8.6	0.26	2.2	0.24	6.8	12	--
GB-133	5	11/17/2017	--	--	--	--	--	--	--	--	--	--	--	--	0.01	--	--	0.021	--	0.015	--
GB-133	10	11/20/2017	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.013	--	0.016	--
GB-134	2	11/15/2017	4.8	4.2	23	11	15	--	45	26	60	19	27	3.4	120	6.9	28	33	140	140	--
GB-134	5	11/20/2017	1.6	1.4	12	4.2	9.7	--	27	18	37	13	18	2.3	62	2.2	21	37	66	77	--
GB-134	10	11/21/2017	--	--	1.5	2.1	4.1	--	13	8.6	12	8.5	10	1.6	29	--	8.3	8	25	36	--
GB-134	13.5	11/21/2017	2.2	--	3.5	0.25	3.3	--	2	0.86	1.3	1	2	0.18	4.7	0.66	0.79	--	1.1	6.8	--
GB-134	15.5	11/21/2017	--	--	0.012	--	--	--	0.016	0.011	0.017	0.011	0.011	--	0.029	--	0.011	0.15	0.037	0.059	--
GB-135	2	11/17/2017	0.074	0.04	0.033	0.65	0.33	--	1.4	1	0.83	1.1	1.1	0.24	1.8	0.044	0.74	0.24	0.9	2	--
GB-135	5.5	11/17/2017	0.026	0.036	0.087	0.25	1	--	2.6	1.6	1.4	1.9	2.3	0.25	4.5	0.11	1.1	0.21	1.4	6.5	--
GB-135	10.5	11/20/2017	1.6	0.93	0.65	2	4	--	4.8	3	2	3.9	4.5	0.59	11	2.8	1.7	4	11	11	--
GB-135	14.5	11/20/2017	0.41	0.13	0.13	0.53	1.4	--	3.5	2.1	1.7	2.8	3.4	0.47	5.4	0.37	1.4	0.68	2.2	8.6	--
GB-135	19	11/20/2017	2	--	4.7	0.74	4.6	--	5	2.7	5.2	2.6	4.5	0.45	12	1.1	2.9	0.34	18	18	--
GB-136	2	11/13/2017	0.57	0.73	0.96	1.9	2.3	--	7.4	4	8	4.8	6.8	0.93	17	1.5	4.6	2.2	17	22	--
GB-136	5	11/13/2017	--	--	0.34	0.46	0.38	--	2.5	1.6	2.9	1.5	1.7	0.26	4	0.11	1.7	0.11	2	7.5	--
GB-136	10	11/13/2017	--	--	--	--	--	--	0.024	0.013	0.034	0.016	0.018	--	0.037	--	0.018	--	0.032	0.056	--
GB-137	2	11/15/2017	--	--	--	--	--	--	0.016	0.011	0.025		0.0099	--	0.02	--	0.014	--	0.018	0.044	--
GB-137	5	12/7/2017	--	--	--	0.017	0.057	--	0.1	0.079	0.093	0.061	0.088	--	0.29	0.028	0.067	--	0.051	0.64	--
GB-137	9	12/7/2017	--	--	--	--	--	--	--	--	--	--	--	--	0.019	0.01	--	--	0.015	0.033	--
GB-138	2	11/9/2017	--	0.12	--	0.68	0.57	--	4.5	2.9	7	2.7	2.9	0.79	6.4	0.12	4.3	0.53	2.6	10	--

TABLE A-3
SOIL ANALYTICAL RESULTS - POLYCYCLIC AROMATIC HYDROCARBONS
Tank Farm Area
Potrero Power Station, San Francisco, CA

Location ID	Sample Depth (ft bgs)	Date	1-Methylnaphthalene	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene	BaP Equivalents
Direct Exposure Commercial ESL			--	3,000	45,000	--	230,000	20	2.1	21	--	210	2,100	2.1	30,000	30,000	21	17	--	23,000	--
Construction/Trench Worker Exposure Scenario ESL			--	670	10,000	--	50,000	110	10	110	--	910	9,100	11	6,700	6,700	11	400	--	5,000	--
GB-138A	5	1/2/2018	--		--	0.33	0.39	--	2.2	1.7	2.3	1.4	1.7	0.32	3.3	0.13	1.7	0.6	2	4.9	--
GB-139	3	11/15/2017	--	0.13	0.18	0.88	1.8	--	7.9	5	3.3	4.3	8.3	1.1	18	0.55	2.8	0.66	8.4	20	--
GB-139	5	11/15/2017	--	--	--	--	--	--	0.028	0.02	0.019	0.022	0.028	--	0.059	--	0.016	0.018	0.034	0.065	--
GB-139	10	11/16/2017	--	--	0.012	0.058	0.081	--	0.27	0.22	0.18	0.18	0.25	0.044	0.61	0.031	0.15	0.055	0.33	0.72	--
GB-140	2	11/9/2017	--	--	--	0.36	0.34	--	2.2	1.5	3.2	1.5	1.9	0.35	3.5	0.1	1.9	0.72	1.9	4.8	--
GB-140	4.75	11/9/2017	--	--	--	1.5	1.6	--	7.2	4.8	8.2	4.6	6.6	--	15	--	5.2	1.3	7.2	28	--
GB-140	10	12/6/2017	--	--	--	--	0.016	--	0.055	0.052	0.063	0.036	0.047	--	0.11	--	0.046	0.13	0.12	0.17	--
GB-141	2	11/17/2017	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.011		0.01	--
GB-141	5	11/21/2017	1.3	1.4	--	3.7	7.3	--	24	17	22	18	20	2.9	58	2.3	15	8.2	39	61	--
GB-141	7.5	12/7/2017	3.7	3	7	10	10	--	31	20	27	17	25	3.5	61	4.7	19	200	57	70	--
GB-141	12.5	12/7/2017	--	--	0.071	0.033	0.09	--	0.22	0.15	0.17	0.14	0.19	0.03	0.64	0.031	0.13	0.043	0.47	0.83	--
GB-142	2	11/8/2017	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.067	--	--	--
GB-142	5	11/8/2017	0.18	0.12	0.11	0.7	0.83	--	2.9	2	2.6	1.8	2.7	0.28	6.8	0.25	1.8	0.89	4.9	8.8	--
GB-142	10	11/8/2017	22	42	4.8	50	27	--	36	21	20	22	32	3.8	73	2.8	16	4100	130	92	--
GB-142	15	11/8/2017	19	44	--	1.6	9.2	--	12	6.4	4.2	8.5	12	1.1	26	12	4.1	910	66	31	--
GB-142	20	11/8/2017	14	39	0.87	1.1	4.5	--	7.5	4	2.9	6.8	7.9	0.99	16	9.6	3.1	320	39	19	--
GB-142	23	11/8/2017	0.06	0.12	0.011	0.032	0.094	--	0.14	0.069	0.07	0.12	0.17	0.018	0.3	0.15	0.067	4.9	0.71	0.41	--
GB-143	2	11/9/2017	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.047	--	--	--
GB-143	5	11/9/2017	0.91	0.4	1.6	2.6	4	--	13	8.8	11	8	11	1.3	30	1.3	8.1	3.4	27	41	--
GB-143	10	11/9/2017	20	16	37	47	45	--	110	72	95	63	84	12	260	37	68	1500	290	290	--
GB-143	10.5	11/9/2017	26	35	27	140	76	--	120	75	120	68	100	14	350	67	81	35000	630	400	--
GB-143	13	11/9/2017	--	0.015	0.022	0.13	0.097	--	0.29	0.2	0.19	0.16	0.24	0.018	0.64	0.065	0.16	0.24	0.63	0.91	--
GB-144	2	11/10/2017	--	--		1.9	1.6	--	11	7.7	11	6.8	7.2	1.1	18	--	6.4		11	23	--
GB-144	5.5	11/10/2017	15	24	9.2	20	46	--	110	57	68	86	110	15	250	36	53	100	290	320	--
GB-144	6.5	11/10/2017	0.024	0.036	0.013	0.069	0.084	--	0.14	0.076	0.077	0.11	0.13	0.021	0.29	0.052	0.065	0.23	0.36	0.38	--
GB-145	2	11/14/2017	--	--	--	--	--	--	--	--	0.011	--		--	0.012	--	--	--	0.011	0.025	--
GB-145	7	11/14/2017	--	--	--	--	--	--	--	--	0.013	--	0.01	--	0.014	--	--	--	0.013	0.029	--
GB-145	14	11/14/2017	0.18		1.4	0.13	0.27	--	0.42	0.18	0.27	0.31	0.69	--	0.71	0.81	0.2		1.1	2.2	--
GB-146	1	12/5/2017	0.3	0.52	--	8.1	6	--	220	68	630	58	54	14	75	0.96	170	4.2	41	320	--
GB-146	4	12/5/2017	280	490	74	79	240	--	310	140	150	210	310	34	1100	400	130	9500	2500	1400	--
GB-146A	7.5	1/5/2018	67	--	160	99	230	--	360	180	220	240	320	39	680	140	180	32	760	750	--
GB-146A	11	1/5/2018	16	--	13	11	28	--	37	21	20	26	36	5.3	100	26	18	7.8	110	140	--
GB-147	2	11/10/2017	--	--	--	0.23	0.14	--	0.59	0.47	0.71	0.41	0.47	--	1.3	--	0.44	0.31	1.3	2.1	--
GB-147	5	11/10/2017	4.2	--	7.1	1	2.9	--	4.8	2.9	6.4	3.3	5.1	--	10	3	3.8	1.7	15	18	--
GB-147	9.25	11/10/2017	33	79	25	19	37	--	72	31	46	27	65	7.4	180	43	37	4500	310	210	--
GB-147	12.5	11/10/2017	26	65	3.5	20	16	--	13	7.2	6.5	11	15	1.8	36	20	5.9	750	96	38	--
GB-147	15	11/10/2017	12	24	1.4	3	7	--	5.9	2.8	2.8	5.2	6.4	--	15	7.3	2.5	290	32	18	--
GB-148	2	11/7/2017	0.43	0.71	--		0.068	--	0.071	0.032	0.046	0.018	0.16	--	0.059	0.052	0.017	0.12	0.82	0.43	--
GB-148	5	11/7/2017	1	1.5	0.41	0.87	0.76	--	1.5	1.1	2	0.74	1.6	0.15	3.3	0.71	1.2	0.68	10	7.6	--
GB-148	7.5	11/7/2017	45	87	200	31	140	--	260	150	190	140	230	30	660	130	150	5100	870	770	--
GB-148	10	11/7/2017	0.025	0.035	0.079	0.034	0.066	--	0.12	0.094	0.11	0.072	0.16	0.015	0.32	0.055	0.076	0.53	0.34	0.53	--
GB-149	2	11/14/2017	--	--	--	--	--	--	0.021	0.015	0.028	0.013	0.02	--	0.012	--	0.019	--	0.01	0.031	--
GB-149	5	11/21/2017	--	--	--	--	--	--	0.2	0.34	2.4	0.19	--	--	--	--	1	--	--	0.12	--
GB-149	10.5	11/21/2017	--	--	--	0.69		--	0.31	--	1.9	--	1	--	--	--	0.44	--	--	0.66	--
GB-149	14.5	11/21/2017	--	--	7.8	4.5	1.3	--	23	14	20	12	13	2.6	77	--	14	--	5	83	--
GB-149	20.5	11/21/2017	2.5	--	3.5	--	3.6	--	2	0.85	1.3	1	2.1	0.2	4.4	1.2	0.84	--	1.1	6.4	--
GB-149	24.5	11/21/2017	--	--	--	--		--	--	--	--	--	0.011	--	0.032	--	--	--	0.022	0.031	--
GB-150	2	11/9/2017	--	--	--	0.13	0.31	--	0.38	0.24	0.23	0.33	0.45	--	0.93	0.16	0.19	--	1.1	1.1	--
GB-150	4.5	11/9/2017	0.14	0.13	0.96	0.25	0.65	--	1.4	0.98	1.5	0.97	1.3	0.21	2.8	0.27	0.98	0.82	2	4	--

TABLE A-3
SOIL ANALYTICAL RESULTS - POLYCYCLIC AROMATIC HYDROCARBONS
Tank Farm Area
Potrero Power Station, San Francisco, CA

Location ID	Sample Depth (ft bgs)	Date	1-Methylnaphthalene	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene	BaP Equivalents
Direct Exposure Commercial ESL			--	3,000	45,000	--	230,000	20	2.1	21	--	210	2,100	2.1	30,000	30,000	21	17	--	23,000	--
Construction/Trench Worker Exposure Scenario ESL			--	670	10,000	--	50,000	110	10	110	--	910	9,100	11	6,700	6,700	11	400	--	5,000	--
GB-150	10	11/10/2017	1	1.5	4	2.6	5	--	19	11	17	14	13	2.4	16	2.5	11	11	18	23	--
GB-150	13	11/10/2017	--	--	0.12	0.48	--	--	1.4	1.5	0.56	1	2.1	0.19	6	--	0.49	--	0.4	8.7	--
GB-150	14	11/10/2017	--	--	--	0.17	--	--	0.61	0.62	0.47	0.36	0.86	0.091	1.7	--	0.35	--	--	4.4	--
GB-151	2	11/8/2017	0.055	0.059	--	--	0.025	--	0.072	0.054	0.065	0.05	0.086	--	0.09	--	0.04	0.031	0.12	0.21	--
GB-151	5	12/4/2017	0.11	0.11	--	--	0.18	--	0.35	0.23	0.31	0.17	0.34	--	0.56	--	0.2	0.35	0.84	0.8	--
GB-151	9.5	12/5/2017	71	78	330	82	76	--	300	240	370	130	170	33	560	63	220	15,000	640	780	--
GB-151	15	12/5/2017	56	87	210	110	110	--	240	150	220	130	170	25	840	100	160	3,000	1,200	950	--
GB-151	19	12/5/2017	78	120	350	230	160	--	480	320	430	230	310	53	1,600	120	340	19,000	2,200	1,800	--
GB-151	26	12/6/2017	2.1	2.1	14	1.2	3.7	--	7.6	4.8	6.8	3.2	6.4	0.74	23	3	4.3	27	36	30	--
GB-152	2	11/9/2017	--	--	--	--	--	--	0.097	0.072	0.11	0.069	0.092	--	0.19	--	0.065	--	0.19	0.28	--
GB-152	4.5	11/21/2017	--	--	--	0.11	--	--	0.43	0.32	0.47	0.35	0.36	--	0.66	--	0.32	0.14	0.4	1.1	--
GB-152	10.5	11/21/2017	--	--	--	0.58	0.4	--	4.3	3.7	4.9	3.4	3.7	0.63	8.4	--	3.4	0.19	3.3	9.3	--
GB-152	13.5	11/21/2017	140	85	680	320	620	--	2,000	1,200	1,500	940	1,400	170	5,500	450	1,100	4,200	7,600	6,100	--
GB-152	16.5	11/21/2017	--	--	79	4.9	18	--	22	13	28	13	22	--	83	19	17	--	160	140	--
GB-152	19	11/21/2017	0.17	--	0.88	0.2	0.41	--	0.43	0.29	0.27	0.26	0.48	--	1.8	0.33	0.21	0.3	2.6	1.8	--
GB-153	1.5	12/5/2017	0.14	0.11	--	0.88	0.28	--	2	1.4	2.6	1.1	1.3	0.31	2.3		1.7	1.3	1.9	3	--
GB-153	5	11/21/2017	--	--	1.4	9.6	11	--	42	29	47	23	31	4.9	100	1.2	30	4.3	76	120	--
GB-153	9	12/5/2017	--	--	1.8	0.52	0.77	--	3.4	2.2	2.4	1.7	3.2	0.34	14	--	2	0.18	1.4	17	--
GB-153	13	12/5/2017	--	--	37	2.5	5.7	--	11	7.2	6.9	5.9	10	--	41	1.7	5.9	1.5	31	45	--
GB-153	18	12/5/2017	--	--	47	640	--	--	570	--	420	--	490	50	1700	--	--	26,000	2,800	1,800	--
GB-153	20	12/5/2017	2.2	4	1.1	7.1	6	--	6.7	3.8	4	3.5	10	0.73	18	3.9	3.5	200	31	19	--
GB-154	2	11/16/2017	--	0.013	--	0.047	0.031	--	0.16	0.13	0.13	0.11	0.14	0.034	0.2	--	0.1	0.084	0.12	0.27	--
GB-154	5	11/16/2017	--	0.01	--	0.016	0.01	--	0.043	0.034	0.049	0.025	0.032	0.011	0.038	--	0.033	0.12	0.023	0.054	--
GB-154	9.5	12/4/2017	0.11	--	0.11	1.6	1.2	--	5.1	3.8	2.7	3.5	4.6	0.95	7	0.11	2.4	0.34	1.1	8.3	--
GB-154	19	12/6/2017	0.47	0.7	0.34	0.11	0.12	--	0.17	0.11	0.1	0.11	0.14	0.027	0.35	0.16	0.096	38	0.71	0.44	--
GB-154	23	12/6/2017	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	34	--	--	--
GB-154A	2	1/5/2018	--	--	--	0.56	0.5	--	2.7	2	2.8	1.8	2.2	0.42	4.4	0.15	2.1	0.48	2.8	7.6	--
GB-154A	9.5	1/5/2018	--	--	--	0.29	0.57	--	4.1	3	4.1	2.3	2.8	0.48	17	--	3.2	1.2	2	20	--
GB-155	2	11/16/2017	--	0.012	--	0.09	0.066	--	0.29	0.2	0.3	0.19	0.23	0.032	0.69	0.023	0.2	0.041	0.6	0.82	--
GB-155A	5	1/2/2018	1.2	1.6	0.78	1.6	3.1	--	8.7	7.4	8.8	4.2	7.8	1.1	23	0.99	6.7	18	33	30	--
GB-155A	9	1/4/2018	280	84	180	68	370	--	340	210	200	240	330	36	800	360	170	320	1,400	830	--
GB-155A	15	1/4/2018	1.8	0.57	3	1	3.4	--	2.6	1.8	1.2	2	3.2	0.5	10	3.2	1.2	8.3	16	8.3	--
GB-155A	20.5	1/4/2018	2	3.1	0.43	1.3	1.1	--	0.65	0.46	0.34	0.52	0.77	0.12	1.9	1.6	0.32	25	3.8	2	--
GB-156	2	11/16/2017	0.11	0.11	--	1.4	0.93	--	6.1	3.8	6.2	3.5	4.2	0.72	12	0.27	4	1.1	7.5	16	--
GB-156A	5	1/2/2018	--	--	--	0.76	0.56	--	4	3.3	4.4	2.6	3.1	0.79	9.2	0.17	3.4	0.84	3.8	13	--
GB-157	10	1/8/2018	--	--	0.3	0.92	0.93	--	4.2	3.1	2.8	2.6	3.5	0.42	11	0.12	2.1	0.28	1.7	15	--
GB-158	10	1/5/2018	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.011	--
GB-158	15	1/5/2018	0.61	0.37	0.39	3.4	2.8	--	13	9.7	8	8.3	9.9	1.1	26	1.8	6.5	8.1	11	30	--
GB-158	20	1/5/2018	--	--	--	0.014	0.011	--	0.084	0.07	0.083	0.045	0.041	0.014	0.13	--	0.062	0.034	0.04	0.17	--
GB-159	8.5	1/4/2018	0.012	0.012	0.044	0.28	0.059	--	2.8	1.8	2.3	1.4	0.68	0.26	9.6	--	1.8	0.13	0.069	13	--
GB-159	10	1/4/2018	--	--	--	0.042	0.041	--	0.17	0.11	0.085	0.13	0.19	0.029	0.4	0.011	0.085	0.022	0.032	1.2	--
GB-161	9.25	1/5/2018	840	1500	520	590	860	--	1,900	1,300	1,700	840	1,500	210	4,800	930	1,200	37,000	7,000	4,900	--
GB-161	15	1/5/2018	19	21	97	4.8	25	--	39	26	32	22	32	4.7	100	20	25	570	150	110	--
GB-161	17.5	1/5/2018	1.1	1.3	10	0.78	2.3	--	3.7	3	3.1	2	3.2	0.49	12	1.7	2.5	35	17	15	--
GB-161	20	1/5/2018	--	--	3.2	1.1	1.9	--	3.2	2.5	2.6	1.7	2.6	0.35	8.5	0.49	2.1	0.19	9.6	11	--
GB-162	9.5	1/4/2018	390	420	1600	230	500	--	1,200	720	880	610	870	110	3,100	470	670	56,000	4,300	3,300	--
GB-162	15	1/4/2018	12	10	47	1.7	10	--	15	9.1	12	8.2	12	1.1	47	7.9	9.2	270	91	65	--
GB-162	19.5	1/4/2018	9.4	7.8	40	4.6	14	--	24	15	17	14	21	2.1	87	11	14	250	130	91	--
GB-162	24.5	1/4/2018	0.028	0.024	0.19	0.039	0.098	--	0.25	0.18	0.24	0.14	0.2	0.03	0.69	0.065	0.18	0.3	0.74	0.72	--

TABLE A-3
SOIL ANALYTICAL RESULTS - POLYCYCLIC AROMATIC HYDROCARBONS
Tank Farm Area
Potrero Power Station, San Francisco, CA

Location ID	Sample Depth (ft bgs)	Date	1-Methylnaphthalene	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene	BaP Equivalents
Direct Exposure Commercial ESL			--	3,000	45,000	--	230,000	20	2.1	21	--	210	2,100	2.1	30,000	30,000	21	17	--	23,000	--
Construction/Trench Worker Exposure Scenario ESL			--	670	10,000	--	50,000	110	10	110	--	910	9,100	11	6,700	6,700	11	400	--	5,000	--
GB-163	9	1/3/2018	1.7	2.6	0.37	11	8	--	28	20	28	15	20	2.3	79	4.2	20	18	90	88	--
GB-163	14	1/3/2018	120	190	580	88	220	--	570	390	580	280	380	44	1,600	180	410	6,000	2,100	1,700	--
GB-163	23	1/3/2018	7.8	10	19	2.9	8.3	--	15	9.6	12	4.9	12	1.1	39	8.5	9.2	140	63	41	--
GB-163	28.5	1/3/2018	0.047	0.061	0.21	0.058	0.1	--	0.26	0.17	0.25	0.13	0.2	0.028	0.58	0.097	0.18	0.74	0.75	0.62	--
GB-164	7.5	1/3/2018	--	--	--	760	360	--	980	970	970	680	840	150	2,500	180	930	3,600	2,800	3,000	--
GB-166	2	1/2/2018	--	--	--	0.016	--	--	0.041	0.038	0.053	0.028	0.036	--	0.077	--	0.04	0.07	0.071	0.089	--
GB-166	5.5	1/2/2018	0.014	0.017	0.014	0.074	0.042	--	0.32	0.29	0.31	0.2	0.22	0.079	0.25	0.018	0.25	0.15	0.14	0.48	--
GB-166	8.75	1/3/2018	--	--	3.4	0.93	1.5	--	3.4	2.6	4.3	1.9	2.9	0.68	8.2	0.66	3	0.81	3.3	14	--
GB-166	14.5	1/3/2018	0.58	0.8	1.3	2.3	8.2	--	30	20	1.9	17	17	7.8	29	0.54	0.61	6.5	19	0.62	--
GB-166	20.5	1/3/2018	--	0.018	0.02	0.013	0.02	--	0.063	0.05	0.065	0.034	0.049	0.014	0.13	--	0.047	0.013	0.11	0.17	--
GB-167	2	1/2/2018	0.024	0.022	0.019	0.054	0.039	--	0.14	0.12	0.094	0.1	0.16	0.035	0.16	0.024	0.081	0.029	0.094	0.24	--
GB-167	5.5	1/12/2018	0.033	0.041	0.049	0.2	0.28	--	0.96	0.66	0.71	0.64	0.83	0.19	1.6	0.071	0.53	0.25	0.95	2.2	--
GB-167	9	1/12/2018	140	15	75	50	67	--	160	87	120	65	130	17	420	62	83	620	570	440	--
GB-167	14.75	1/12/2018	2.2	0.37	19	4.4	7.3	--	15	10	4.2	12	19	1.5	50	2.6	4.3	3.7	24	44	--
GB-167	17	1/12/2018	140	180	79	69	160	--	94	60	35	76	140	12	350	200	37	950	600	310	--
GB-167	19.78	1/12/2018	1.5	2.8	0.36	0.9	0.59	--	0.41	0.25	0.13	0.37	0.49	--	1.2	1	0.13	29	2.7	1.1	--
GB-169	2	1/10/2018	--	--	--	0.04	0.047	--	0.21	0.21	0.17	0.14	0.19	0.033	0.34	0.013	0.14	0.016	0.17	0.48	--
GB-169	5.5	1/10/2018	--	--	0.01	0.2	0.26	--	1.1	0.75	0.31	0.91	1.3	0.14	2.3	--	0.33	0.011	0.034	3	--
GB-170	6	1/11/2018	17	9.8	12	140	84	--	360	280	200	280	320	51	530	48	170	51	330	750	--
GB-170	11.5	1/11/2018	0.5	--	1.6	0.78	1.9	--	0.87	0.56	0.41	0.63	1.1	0.14	2.9	1.4	0.39	--	3.3	3.4	--
GB-173	25	2/21/2018	0.92	1.6	0.17	0.26	0.25	--	0.12	--	--	0.12	0.16	--	0.51	0.46	--	13	1.1	0.43	--
GB-174	2	2/21/2018	0.19	0.14	0.84	1.8	2.6	--	14	9.6	13	8.2	10	1.5	28	0.81	9.7	0.58	23	37	--
GB-174	5.5	2/21/2018	0.15	ND	0.59	0.73	0.73	--	3.5	2	2.7	1.9	2.1	0.48	3.8	0.4	1.9	0.011	1.4	7.4	--
MW-POT-11	1.5 - 2	3/5/1991	--	--	2.6	1.3	0.47	1.4	2.9	1.4	2.2	0.9	1.7	2.5	3.6	0.49	1.2	2.5	1.7	5.9	4.407
MW-POT-12	2.5 -3	2/26/1991	--	--	--	--	0.062	--	0.23	0.24	--	--	0.58	--	0.92	--	0.26	--	0.27	1	--
MW-POT-12	5 -5.5	2/26/1991	--	--	--	2.2	1.2	--	10	4.2	7.4	--	5.7	8.7	20	0.7	4.6	--	4.9	21	--
MW-POT-12	10 -10.5	2/26/1991	--	--	--	2.8	1.9	--	8.7	3.7	9.1	3.8	4.6	22	24	1.4	3	--	4.9	23	--
MW-POT-12	15 - 15.5	2/26/1991	--	--	--	1.2	1.7	--	8.4	3.6	9.2	3.6	4.5	25	24	1.1	3.7	--	4.4	25	--
PA-4	0.5 - 1	5/28/1986	--	--	0.66	1	3.4	--	10	6.5	7.8	4.2	11	0.87	32	3.2	7	3.5	34	44	--
PA-5	0.5 -1	5/28/1986	--	--	0.65	2.5	4.1	--	15	11	14	5.8	13	1.2	37	1.5	12	10	33	53	--
PA-5	4.5	5/28/1986	--	--	--	1	3.4	11	10	6.5	7.8	--	11	--	32	3.2	7	3.5	34	44	--
PL4C	4.5 -5	4/17/1990	--	5.7	1.9	3.2	12	30	32	25	22	--	41	--	48	5.3	18	2.4	70	150	--
PL5E	4.5 -5	4/17/1990	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	1.5	--
POT-11	6 -6.5	3/5/1991	--	--	2.6	1.3	0.47	1.4	2.9	1.4	2.2	0.9	1.7	2.5	3.6	0.49	1.2	2.5	1.7	5.9	4.407
POT-12	10 -10.5	2/26/1991	--	--	ND	ND	0.062	0.12	0.23	0.24	ND	--	0.58	--	0.92	ND	0.26	ND	0.27	1	0.3286
POT-12	2 -2.5	2/26/1991	--	--	ND	2.2	1.2	4.1	10	4.2	7.4	--	5.7	--	20	0.7	4.6	ND	4.9	21	14.8299
POT-12	6 -6.5	2/26/1991	--	--	ND	2.8	1.9	4.9	8.7	3.7	9.1	--	4.6	--	24	1.4	3	ND	4.9	23	11.086
POT-12	3 -3.5	2/26/1991	--	--	ND	1.2	1.7	4.8	8.4	3.6	9.2	--	4.5	--	24	1.1	3.7	ND	4.4	25	20.015

TABLE A-3
SOIL ANALYTICAL RESULTS - POLYCYCLIC AROMATIC HYDROCARBONS
Tank Farm Area
Potrero Power Station, San Francisco, CA

Location ID	Sample Depth (ft bgs)	Date	1-Methylnaphthalene	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene	BaP Equivalents
Direct Exposure Commercial ESL			--	3,000	45,000	--	230,000	20	2.1	21	--	210	2,100	2.1	30,000	30,000	21	17	--	23,000	--
Construction/Trench Worker Exposure Scenario ESL			--	670	10,000	--	50,000	110	10	110	--	910	9,100	11	6,700	6,700	11	400	--	5,000	--
POT-13	5.5 -6	2/26/1991	--	--	4.4	0.93	0.54	1.6	6	2.6	5.3	1.7	1.8	7.1	10	0.49	2.9	2.2	2.7	11	9.738
POT-13	10.5 -11	2/26/1991	--	--	3,500	830	620	1,500	1,400	1,200	820	650	1,500	110	7,600	720	750	220	1,300	6,900	1869
POT-13	15.5 -16	2/26/1991	--	--	11,000	6,100	470	590	420	380	340	240	580	580	1,800	1,400	160	5,000	1,100	3,200	794.8
S-1.5	2-2.5	11/10/1989	--	--	--	--	--	--	5.49	2.67	3.95	--	--	--	15	--	--	--	1.49	13.7	--
S-2	4.5 -5	11/10/1989	--	--	ND	ND	ND	ND	ND	ND	ND	--	ND	--	ND	3.92	ND	ND	0.88	ND	--
S-3	6.5 -7	11/10/1989	--	--	1.9	ND	0.58	28.8	14.5	9.6	7.3	--	ND	--	57.9	35.6	--	15.3	5.3	27.7	--
SS-POT-2	0.0.5	2/27/1991	--	--	38	26	4.4	13	13	11	11	7.1	14	17	38	6.9	7.1	25	18	76	23.76
TB3-002	0 -0.5	11/24/1997	--	--	ND	ND	ND	2.65	3.91	ND	ND	ND	3.01	ND	6.9	ND	2.51	ND	3.68	7.26	4.9561
TB3-002	0 -1	11/24/1997	--	--	ND	ND	ND	ND	ND	ND	0.101	ND	ND	0.0974	ND	ND	ND	ND	ND	ND	0.08246
TB3-002	6 -7	11/24/1997	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TB3-003	0 -1	11/24/1997	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.54	ND	ND	ND	ND	1.49	ND
TB3-003	5.5	11/24/1997	--	--	ND	ND	ND	ND	2.55	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.19	3.975
TB3-003	9 -10	11/24/1997	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.106	0.291	ND	ND	ND	ND	0.503	0.1294
TB3-007	0 -1	11/24/1997	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.05	ND	ND	ND	15.2	ND	ND
TB3-007	6 - 8	11/24/1997	--	--	ND	ND	ND	3.22	5.13	4.19	5.14	2.34	4.34	2.31	2.6	ND	4.15	ND	ND	3.85	7.4874
TB3-007	10 -11	11/24/1997	--	--	ND	ND	ND	ND	0.719	ND	0.638	ND	ND	ND	1.15	ND	0.905	ND	ND	1.37	0.937
TB3-008	0 -1	11/25/1997	--	--	ND	ND	ND	ND	ND	ND	2.41	ND	ND	1.2	2.35	ND	ND	ND	ND	2.82	1.35
TB3-008	5	11/25/1997	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TB3-008	10 -11	11/25/1997	--	--	ND	ND	ND	ND	22.9	ND	24.5	ND	ND	ND	58.7	ND	19.3	ND	ND	46.3	29.93
TB3-009	0 -1	11/25/1997	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	134	ND	ND	ND	124	175	ND

Notes:

1. ESLs; Table S-1. Direct Exposure Soil Screening Levels, Commercial/Industrial Worker Exposure Scenario, Most Stringent (Water Board, Jan. 2019).
2. ESLs; Table S-1. Direct Exposure Soil Screening Levels, Construction/Trench Worker Exposure Scenario, Most Stringent (Water Board, Jan. 2019).
3. All results are in mg/kg
4. Only constituents with at least one detection are included here

Abbreviations:

ESL = environmental screening level
ft bgs = feet below ground surface
ND = not detected above the laboratory reporting limit
< = The analyte was not detected above the reported detection limit.
-- = not analyzed
mg/kg = milligrams per kilogram

References:

Haley & Aldrich, 2018, Tank Farm Area Investigation Report, Potrero Power Plant Site, San Francisco, California, July.

TABLE A-4
SOIL ANALYTICAL RESULTS - TOTAL PETROLEUM HYDROCARBONS
Tank Farm Area
Potrero Power Station, San Francisco, CA

Location ID	Sample Depth (ft bgs)	Date	TPH-Diesel	TPH- Fuel Oil	TPH-Gasoline	TPH-Motor Oil	Total TPH
Direct Exposure Commercial ESL			1,200	--	2,000	180,000	--
Construction/Trench Worker Exposure Scenario ESL			2,000	--	1,800	54,000	--
B-2-1989	0.5 - 1	5/4/1989	--	**300**	--	--	--
B-2-1989	1.5 -2	5/4/1989	--	**14**	--	--	--
B-2-1989	2.5 -3	5/4/1989	--	**31**	--	--	--
B-2-1989	3.5 - 4	5/4/1989	--	ND	--	--	--
GB-174	2	2/21/2018	**310**	--	--	**490**	--
GB-174	5.5	2/21/2018	**2,200**	--	--	**1900**	--
MW-POT-10	5.5 - 6	2/27/1991	ND	--	**40**	**40**	ND
MW-POT-10	9 - 11	2/27/1991	ND	--	--	ND	ND
MW-POT-11	1.5 - 2	3/5/1991	--	--	--	ND	--
MW-POT-11	5.5 -6	3/5/1991	--	--	--	ND	--
MW-POT-12	3 -3.5	2/26/1991	--	--	**1,400**	--	--
MW-POT-12	5.5 -6	2/26/1991	--	--	**900**	--	--
MW-POT-12	10.5 -11	2/26/1991	--	--	**8,200**	--	--
MW-POT-12	15.5 -16	2/26/1991	--	--	**3,000**	--	--
PL3.5W	4.5 -5	4/17/1990	**45**	--	--	--	--
PL4C	4.5 -5	4/17/1990	**620**	--	--	--	--
PL5E	4.5 -5	4/17/1990	**240**	--	--	--	--
POT-10	6 -6.5	2/27/1991	--	--	--	**40**	--
POT-10	10 -10.5	2/27/1991	--	--	--	ND	--
POT-11	2 -2.5	3/5/1991	--	--	--	ND	--
POT-11	6 -6.5	3/5/1991	--	--	--	ND	--
POT-12	2.5 -3	2/26/1991	**26**	--	--	**1,400**	--
POT-12	5.5 -6	2/26/1991	**780**	--	--	**900**	**0.88**
POT-12	10.5 -11	2/26/1991	**9,500**	--	--	**8,200**	**0.61**
POT-12	15.5 -16	2/26/1991	**260**	--	--	**3,000**	--
S-1	2 -2.5	11/10/1989	**205**	--	ND	**220**	**425**
S-2	3.5 -4	11/10/1989	**13**	--	ND	**22**	**35**
S-2	4.5 -5	11/10/1989	**1,870**	--	ND	ND	**1,870**
S-2	9.5 -10	11/10/1989	**10**	--	ND	**162**	**172**
S-3	2.5 -3	11/10/1989	ND	--	ND	**80**	**80**
S-3	4.5 -5	11/10/1989	**21**	--	ND	ND	**21**
S-3	6.5 -7	11/10/1989	**456**	--	ND	**220**	**676**
S-3	8.5 -9	11/10/1989	**218**	--	ND	**304**	**304**
SS-POT-4	0 -0.5	2/27/1991	ND	--	--	**31**	ND
TB3-001	0 -1	11/25/1997	--	--	--	--	ND
TB3-001	5 - 6	11/25/1997	--	--	--	--	ND
TB3-002	0 - 1	11/24/1997	--	--	--	--	**198**
TB3-002	6 -7	11/24/1997	--	--	--	--	**136**
TB3-002	18 -19	11/24/1997	--	--	--	--	ND
TB3-003	0 -1	11/18/1997	--	--	--	--	**449**
TB3-003	5.5	11/24/1997	--	--	--	--	**156**
TB3-003	9 -10	11/24/1997	--	--	--	--	**199**
TB3-007	0 - 1	11/24/1997	--	--	--	--	**3,650**
TB3-007	6 -8	11/24/1997	--	--	--	--	**204**
TB3-007	10 - 11	11/24/1997	--	--	--	--	**2,380**
TB3-008	0 -1	11/25/1997	--	--	--	--	ND
TB3-008	5 -6	11/25/1997	--	--	--	--	ND
TB3-008	10 -11	11/25/1997	--	--	--	--	**959**
TB3-009	0 -1	11/25/1997	--	--	--	--	**2,910**
TB3-009	6 -8	11/25/1997	--	--	--	--	ND
TB3-012	25 -26	2/27/1998	--	--	--	--	**6.9**
TB3-012	29.5 -30	2/27/1998	--	--	--	--	**1.2**
TB3-012	33 - 34	2/27/1998	--	--	--	--	**0.87**

Notes:

TABLE A-4
SOIL ANALYTICAL RESULTS - TOTAL PETROLEUM HYDROCARBONS
Tank Farm Area
Potrero Power Station, San Francisco, CA

Location ID	Sample Depth (ft bgs)	Date	TPH-Diesel	TPH- Fuel Oil	TPH-Gasoline	TPH-Motor Oil	Total TPH
Direct Exposure Commercial ESL			1,200	--	2,000	180,000	--
Construction/Trench Worker Exposure Scenario ESL			2,000	--	1,800	54,000	--

1. ESLs; Table S-1. Direct Exposure Soil Screening Levels, Commercial/Industrial Worker Exposure Scenario, Most Stringent (Water Board, Jan. 2019).

2. ESLs; Table S-1. Direct Exposure Soil Screening Levels, Construction/Trench Worker Exposure Scenario, Most Stringent (Water Board, Jan. 2019).
3. All results are in mg/kg.
4. Only constituents with at least one detection are presented.

Abbreviations:

ESL = environmental screening level
ft bgs = feet below ground surface
ND = not detected
TPH = total petroleum hydrocarbons
< = The analyte was not detected above the reported detection limit.
-- = not analyzed
mg/kg = milligrams per kilogram

References:

Haley & Aldrich, 2018, Tank Farm Area Investigation Report, Potrero Power Plant Site, San Francisco, California, July.

TABLE A-5
SOIL ANALYTICAL RESULTS - POLYCHLORINATED BIPHENYLS
Tank Farm Area
Potrero Power Station, San Francisco, CA

Location ID	Sample Depth (ft bgs)	Date	Aroclor 1254	Aroclor 1260	PCBs, total
Direct Exposure Commercial ESL			--	--	94
Construction/Trench Worker Exposure Scenario ESL			--	--	5.5
B-2-1989	0.5-1	4/24/1989	ND	ND	**0.46**
B-2-1989	1.5-2	4/24/1989	ND	ND	**1.3**
B-2-1989	2.5-3	4/24/1989	ND	ND	--
B-2-1989	3.5-4	4/24/1989	ND	ND	--
GB-134	10	11/21/2017	ND	ND	**140**
GB-136	5	11/13/2017	ND	ND	**57**
MW-POT-10	9-11	2/27/1991	ND	ND	ND
POT-10	10-10.5	2/27/1991	ND	ND	ND
POT-12	1.5-2	2/26/1991	ND	ND	ND
POT-12	2.5	2/26/1991	**0.064**	ND	**0.064**
POT-12	3-3.5	2/26/1991	**0.064**	ND	**0.064**
SS-POT-2	0-0.5	2/27/1991	ND	**1.1**	**1.1**
SS-POT-4	0-0.5	2/27/1991	ND	ND	ND
TB3-001	0-1	11/25/1997	ND	ND	ND
TB3-001	5-6	11/25/1997	ND	ND	ND
TB3-002	0-1	11/24/1997	ND	ND	ND
TB3-002	6-7	11/24/1997	ND	ND	ND
TB3-003	0-1	11/18/1997	ND	ND	ND
TB3-003	5.5	11/24/1997	ND	ND	ND
TB3-007	0-1	11/24/1997	ND	ND	ND
TB3-007	6-8	11/24/1997	ND	ND	ND
TB3-008	0-1	11/25/1997	ND	ND	ND
TB3-008	5-6	11/25/1997	ND	ND	ND
TB3-009	0	11/25/1997	ND	ND	ND
TB3-009	6-8	11/25/1997	ND	ND	ND

Notes:

1. Environmental Screening Levels (ESLs); Table S-1. Direct Exposure Soil Screening Levels, Commercial/Industrial Worker Exposure Scenario, Most Stringent (Water Board, Jan. 2019).

2. Environmental Screening Levels (ESLs); Table S-1. Direct Exposure Soil Screening Levels, Construction/Trench Worker Exposure Scenario, Most Stringent (Water Board, Jan. 2019).

3. All results are in mg/kg.

Abbreviations:

ESL = environmental screening level

ft bgs = feet below ground surface

ND = not detected

PCB = poilychlorinated biphenyl

< = The analyte was not detected above the reported detection limit.

-- = not analyzed

mg/kg = milligrams per kilogram

References:

Haley & Aldrich, 2018, Tank Farm Area Investigation Report, Potrero Power Plant Site, San Francisco, California, July.

TABLE A-6
SOIL ANALYTICAL RESULTS - METALS AND CYANIDE
Tank Farm Area
Potrero Power Station, San Francisco, CA

Location ID	Sample Depth (ft bgs)	Date	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	Cyanide, Total
Direct Exposure Commercial ESL			160	3.6	220,000	230	1,100	--	350	47,000	320	190	5,800	10,000	5,800	5,800	12	5,800	350,000	25
Construction/Trench Worker Exposure Scenario ESL			50	2.0	3,000	27	51	--	28	14,000	160	44	1,800	86	1,700	1,800	3.5	470	110,000	22
B-2-1989	0.5-1	4/24/1989	ND	**4.3**	**90**	ND	ND	**40**	**10**	**60**	**110**	**0.5**	**10**	**90**	**0.2**	**8**	ND	**40**	**530**	--
B-2-1989	1.5-2	4/24/1989	ND	**5.7**	**100**	ND	ND	**60**	**10**	**40**	**90**	**0.4**	**10**	**90**	**0.1**	**6**	ND	**40**	**70**	--
B-2-1989	2.5-3	4/24/1989	ND	**5.2**	**140**	ND	ND	**210**	**30**	**40**	**130**	**0.03**	**20**	**450**	**0.2**	ND	ND	**50**	**70**	--
B-2-1989	3.5-4	4/24/1989	ND	**5.1**	**110**	ND	ND	**460**	**40**	**40**	**20**	**0.03**	**20**	**900**	**0.1**	ND	ND	**30**	**80**	--
GB-127	2	11/13/2017	--	**5.51**	**65.7**	--	**0.514**	**626**	**56.4**	**15.2**	**321**	**0.165**	--	**1260**	--	--	**1.25**	**25.1**	**142**	--
GB-127	6	12/7/2017	--	**3.6**	**4.04**	--	--	**1200**	**74.2**	**6.08**	**7.44**	--	--	**1520**	--	--	**1.87**	**25.5**	**18.7**	--
GB-128	0.5	11/13/2017	--	--	--	--	--	--	--	--	**19**	--	--		--	--	--	--	--	--
GB-128	2	11/13/2017	--	**5.65**	**193**	**0.289**	**0.597**	**219**	**27.2**	**71.4**	**124**	**1.16**	--	**428**	--	--	--	**41.9**	**418**	--
GB-128	5	12/6/2017	--	**10.1**	**210**	**0.377**	**1.06**	**505**	**50.8**	**117**	**280**	**2.14**	**1.15**	**853**	--	--	**1.26**	**69.8**	**196**	--
GB-128	10	12/7/2017	--	**2.78**	**2.39**	--	--	**889**	**87.1**	**10.9**	**0.805**	--	--	**1750**	--	--	**1.94**	**21.3**	**11.9**	--
GB-129	2	11/8/2017	--	**5.22**	**99.2**	--	**0.496**	**420**	**35.6**	**46.8**	**220**	**0.44**	--	**677**	--	--	--	**34.6**	**96.3**	--
GB-129	5	11/20/2017	--	**4.38**	**27.6**	--	--	**253**	**74.4**	**6.5**	**15.2**	--	--	**1700**	--	--	**1.52**	**5.58**	**35.2**	--
GB-129	9.25	11/20/2017	--	**6.5**	**98.9**	--	--	**381**	**49.7**	**43.1**	**77.3**	**0.119**	--	**837**	--	--	**1.38**	**39.4**	**51.1**	--
GB-129	18.75	11/20/2017	--	**3.76**	**78.5**	--	--	**352**	**50.9**	**44.1**	**71.8**	**0.138**	--	**837**	--	--	**0.956**	**42.3**	**72.1**	--
GB-129	22.5	11/20/2017	--	**7.47**	**82.6**	--	--	**248**	**24.6**	**95.2**	**110**	**1.08**	**0.98**	**387**	--	**0.269**	**0.966**	**32.8**	**80.7**	--
GB-130	2	11/14/2017	--	**2.71**	**78.2**	**0.279**	--	**104**	**14**	**29.7**	**60.2**	**0.851**	--	**200**	--	--	**0.771**	**29.6**	**61.4**	--
GB-130	5	11/15/2017	--	**5.76**	**116**	--	**0.727**	**303**	**32.7**	**83.1**	**118**	**0.598**	--	**524**	--	--	**0.888**	**39.1**	**127**	--
GB-130	10	11/15/2017	--	**5.41**	**130**	--	--	**471**	**34.9**	**58.2**	**124**	**1.36**	--	**572**	--	--	**1.14**	**41.6**	**109**	--
GB-130	15	11/15/2017	--	**3.52**	**95**	--	--	**191**	**25.1**	**31.8**	**82.8**	**0.142**	--	**419**	--	--	--	**35.7**	**39.3**	--
GB-130	19	11/15/2017	--	**10.3**	**225**	**0.291**	**1.59**	**113**	**14.9**	**120**	**260**	**0.715**	**0.321**	**169**	--	**0.286**	--	**30.3**	**413**	--
GB-130	25.75	11/15/2017	--	**7.11**	**117**	--	**0.708**	**35.4**	**10.4**	**33.6**	**547**	**0.223**	**0.527**	**93.4**	--	--	--	**23.9**	**124**	--
GB-131	2	11/13/2017	--	**6.69**	**147**	**0.28**	**0.701**	**385**	**35.6**	**76.3**	**146**	**1.75**	--	**623**	--	--	--	**69.9**	**164**	--
GB-131	6.5	12/4/2017	--	**5.54**	**169**	**0.276**	**0.71**	**236**	**30.6**	**72.3**	**142**	**1.08**	--	**482**	--	--	**1.12**	**42.3**	**141**	--
GB-131	9	12/4/2017	**8.4**	**5.39**	**166**	--	**0.682**	**356**	**36.5**	**82.3**	**1200**	**0.585**	--	**654**	--	**8.11**	**1.36**	**103**	**123**	--
GB-131	28	12/4/2017	--	**4.03**	**30**	--	--	**608**	**69.6**	**14.8**	**53.1**	**0.347**	--	**1370**	--	--	**1.76**	**21.5**	**32.3**	--
GB-132	2	11/13/2017	--	**5.13**	**125**	**0.292**	--	**204**	**27.3**	**61.5**	**151**	**1.61**	--	**443**	--	--	--	**39.2**	**108**	--
GB-132	5	11/13/2017	--	**5.56**	**122**	--	--	**185**	**26.6**	**417**	**168**	**0.805**	--	**502**	--	--	--	**39.2**	**108**	--
GB-132	10	11/13/2017	--	**4.55**	**171**	**0.315**	--	**252**	**28.8**	**59.7**	**146**	**9.72**	--	**497**	--	--	**0.864**	**42.8**	**92.9**	--
GB-132	15	11/13/2017	--	**4.49**	**117**	**0.265**	--	**213**	**24.9**	**53.2**	**155**	**1.46**	--	**364**	--	--	--	**37.2**	**111**	--
GB-132	20	11/13/2017	--	**4**	**93.1**	--	--	**275**	**36.8**	**50.2**	**92.8**	**1.31**	--	**710**	--	--	--	**31.7**	**83.4**	--
GB-132	25	11/14/2017	--	**2.64**	**104**	**0.252**	--	**238**	**19**	**43.1**	**96.2**	**0.979**	--	**259**	--	--	--	**29.1**	**76.9**	--
GB-133	2	11/17/2017	--	**5.81**	**72.6**	**0.249**	**0.852**	**344**	**32.7**	**36.3**	**33.9**	**0.71**	--	**482**	--	--	**0.952**	**43.9**	**58.9**	--
GB-133	5	11/17/2017	--	**2.54**	**19.1**	--	--	**473**	**38.3**	**58.1**	**2.94**	--	--	**492**	--	--	**1.17**	**43.6**	**36.1**	--
GB-133	10	11/20/2017	--	**7.97**	**58.9**	**0.508**	**0.567**	**506**	**44.6**	**34.5**	**4.25**	--	--	**681**	--	--	--	**66.7**	**45.3**	--
GB-134	2	11/15/2017	--	**5.54**	**151**	**0.282**	**0.573**	**226**	**27.1**	**89.3**	**150**	**1.57**	--	**403**	--	--	--	**43.7**	**138**	--
GB-134	5	11/20/2017	--	**7.54**	**126**	**0.251**	**0.532**	**250**	**30.1**	**64.4**	**166**	**8.77**	--	**487**	--	--	--	**38.9**	**109**	--
GB-134	10	11/21/2017	--	**6.63**	**177**	**0.29**	**0.511**	**247**	**28.9**	**73.2**	**245**	**2.16**	--	**444**	--	--	--	**41.4**	**116**	--
GB-134	15.5	11/21/2017	--	**3.87**	**3.78**	--	--	**1,090**	**74.9**	**10.5**	**1.32**	**0.091**	--	**1480**	--	--	**2.25**	**23.8**	**12.9**	--
GB-135	2	11/17/2017	--	**3.69**	**74.6**	--	--	**208**	**22.7**	**19.5**	**30.6**	**0.0877**	--	**322**	--	--	**0.962**	**28.3**	**35.8**	--
GB-135	5.5	11/17/2017	--	**7.13**	**88.2**	**0.274**	**0.596**	**110**	**15**	**46.7**	**61.4**	**0.376**	**0.688**	**190**	--	--	**1.01**	**34.3**	**57**	--
GB-135	10.5	11/20/2017	--	**5.24**	**83**	**0.273**	--	**359**	**36.2**	**37.4**	**126**	**0.401**	--	**640**	--	--	**1.42**	**32.8**	**56.4**	--
GB-135	14.5	11/20/2017	--	**6.69**	**76.5**	**0.254**	--	**416**	**44.7**	**39.1**	**130**	**0.216**	--	**790**	--	--	**1.08**	**35**	**78.4**	--
GB-135	19	11/20/2017	--	**6.31**	**29.4**	--	--	**320**	**39.4**	**62.3**	**34.2**	**0.45**	--	**670**	--	--	**0.956**	**33.1**	**48**	--
GB-136	0.5	11/13/2017	--	--	--	--	--	--	--	--	**23.9**	--	--	--	--	--	--	--	--	--
GB-136	2	11/13/2017	--	**5.28**	**154**	**0.336**	**0.503**	**222**	**31.4**	**45.2**	**87.9**	**0.812**		**422**	--	--	--	**44.8**	**259**	--
GB-136	5	11/13/2017	--	**12.6**	**150**	**0.331**	--	**202**	**29.5**	**42.3**	**186**	**8.21**	**0.292**	**440**	--	--	--	**47.9**	**112**	--
GB-136	10	11/13/2017	--	**2.52**	**13.5**	--	--	**578**	**59.9**	**23.4**	**1.36**	--	--	**1100**	--	--	**1.09**	**45.1**	**30.1**	--
GB-137	2	11/15/2017	--	**1.34**	**137**	--	--	**16.9**	**7.48**	**5.66**	**7.65**	--	--	**19.1**	--	--	--	**29.6**	**56.8**	--
GB-137	5	12/7/2017	--	**4.54**	**35.4**	--	--	**1,000**	**96.4**	**22**	**81.9**	**0.422**	--	**1490**	--	--	**1.52**	**19.4**	**16.4**	--
GB-137	9	12/7/2017	--	**7.88**	**56.6**	**0.535**	**0.797**	**510**	**45**	**188**	**4.94**	**0.128**	--	**744**	--	--	**1.67**	**96.1**	**52.9**	--
GB-138	2	11/9/2017	--	**3.83**	**126**	**0.403**	--	**57.2**	**14**	**23.5**	**35.2**	**0.153**	--	**96.2**	--	--	--	**37.4**	**76**	--
GB-138A	5	1/2/2018	--	**1.52**	**73.3**	**0.333**	--	**343**	**42.4**	**35.9**	**9.94**	--	--	**614**	--	--	--	**51.8**	**43.3**	--
GB-139	3	11/15/2017	--	**4.65**	**288**	**0.577**	**1.12**	**155**	**35.5**	**47.4**	**39.8**	**0.223**	--	**183**	--	--	**1.4**	**138**	**62.7**	--
GB-139	5	11/15/2017	--	**1.7**	**142**	**0.435**	**0.599**	**204**	**31.2**	**28.6**	**4.75**	--	--	**303**	--	--	**0.78**	**68.2**	**36.3**	--

TABLE A-6
SOIL ANALYTICAL RESULTS - METALS AND CYANIDE
Tank Farm Area
Potrero Power Station, San Francisco, CA

Location ID	Sample Depth (ft bgs)	Date	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	Cyanide, Total
Direct Exposure Commercial ESL			160	3.6	220,000	230	1,100	--	350	47,000	320	190	5,800	10,000	5,800	5,800	12	5,800	350,000	25
Construction/Trench Worker Exposure Scenario ESL			50	2.0	3,000	27	51	--	28	14,000	160	44	1,800	86	1,700	1,800	3.5	470	110,000	22
GB-139	10	11/16/2017	--	2.85	128	0.378	0.585	195	28.9	25.5	5.48	--	--	284	--	--	--	57.7	35.1	--
GB-140	0.5	11/10/2017	--	--	--	--	--	--	--	--	6.55	--	--	--	--	--	--	--	--	--
GB-140	2	11/9/2017	--	3.63	63.7	0.263	--	58.1	13.3	20.3	13.1	0.163	0.751	123	--	--	--	30.8	61.2	--
GB-140	4.75	11/9/2017	--	3.02	122	0.444	--	69.4	15	22.9	46.7	0.153		120	--	--	--	43.4	67.2	--
GB-140	10	12/6/2017	--	2.18	53.7	--	--	67.6	11.6	13.7	20.8	0.0875	0.243	71.1	--	--	--	47.5	43.5	--
GB-141	2	11/17/2017	--	5.45	42.1	0.311	0.637	42	8.96	8.9	4.34	--	1.41	47.3	--	--	--	30.1	33.3	--
GB-141	5	11/21/2017	--	4.15	263	0.356	0.656	123	24	64.8	178	0.298	--	356	--	--	--	76.3	117	--
GB-141	7.5	12/7/2017	--	3.25	365	0.413	0.859	172	32	56.2	94.2	0.203	--	288	--	--	1.06	112	102	--
GB-142	2	11/8/2017	--	3.87	47.4	0.284		39.3	6.21	7.53	3.46	0.113	0.904	41.2	--	--	--	23.1	30.2	--
GB-142	5	11/8/2017	--	3.54	160	0.4	0.589	79.5	18.6	30.4	61.3	0.271	--	152	--	--	--	56.1	71.4	--
GB-142	10	11/8/2017	--	2.43	456	0.509	0.951	107	30.5	56.7	3.26	--	--	81.3	--	--	1.18	152	54.2	--
GB-142	15	11/8/2017	--	1.81	372	0.512	0.881	121	30.5	51.3	1.86	--	--	106	--	--	1.27	145	48.3	--
GB-142	20	11/8/2017	--	1.81	133	0.311	0.955	171	31.2	49	1.4	--	--	149	--	--	--	123	42	--
GB-142	23	11/8/2017	--	1.34	116	--	1.06	206	36.4	57.7	0.525	--	--	182	--	--	--	117	45.7	--
GB-143	2	11/9/2017	--	3.69	37.5	--		37.9	6.03	6.95	3.51	0.127	0.826	38.1	--	--	--	25	27.7	--
GB-143	5	11/9/2017	--	2.85	254	0.385	0.742	164	32.9	45.8	115	0.321	--	414	--	--	--	87.4	78.4	--
GB-143	10	11/9/2017	--	2.81	155	0.291	1.03	95.4	19.7	41	133	0.379	--	187	--	--	--	59.2	117	--
GB-143	10.5	11/9/2017	--	2.15	130	--	0.8	147	25.9	63.7	17.8	--	--	112	--	--	--	91.9	61.6	--
GB-143	13	11/9/2017	--	0.771	72.4	--	0.561	123	23.1	41.3	0.864	--	--	112	--	--	--	67.9	32.4	--
GB-144	0.5	11/10/2017	--	--	--	--	--	--	--	--	4.48	--	--		--	--	--	--	--	--
GB-144	2	11/10/2017	--	2.89	197	0.336	0.614	120	22.9	41.5	290	0.331	--	500	--	--	--	65.6	93.9	--
GB-144	5.5	11/10/2017	--	2.32	437	0.347	0.814	77	19.4	83	362	0.386	--	142	--	--	--	78	138	--
GB-144	6.5	11/10/2017	--	--	--	--	--	--	--	--	1.1	--	--		--	--	--	--	--	--
GB-144	10	11/10/2017	--	--	317	--	0.698	27.1	26	57.4	1.65	--	--	51	--	--	--	102	55.1	--
GB-145	2	11/14/2017	--	2.11	29.1	--	--	28.8	5.76	13.7	5.12	--	--	32.7	--	--	--	21.1	22.6	--
GB-145	5	11/14/2017	--	2.27	10.1	--	--	464	65.6	7.28	1.24	--	--	1290	--	--	0.84	12.5	13.7	--
GB-145	7	11/14/2017	--	3.66	12.3	--	--	687	60.4	8.74	1.84	--	--	1230	--	--	1.38	17.7	16.8	--
GB-145	14	11/14/2017	--	--	303	0.531	0.907	160	40.2	62.1	3.54	--	--	168	--	--	--	154	54	--
GB-146	1	12/5/2017	--	3.53	80.3	--	--	22.1	7.1	23.7	14.9	0.211	--	123	--	--	0.811	60.4	50.2	--
GB-146	4	12/5/2017	--	3.01	474	0.51	--	67.7	21.1	71.3	51.7	0.188	--	79.3	--	--	--	83.5	52.2	--
GB-147	0.5	11/10/2017	--	--	--	--	--	--	--	--	32.8	--	--		--	--	--	--	--	--
GB-147	2	11/10/2017	--	4.7	96.7	0.269	--	74.1	14.3	33.6	85.1	0.252	--	114	--	--	--	41.4	123	--
GB-147	5	11/10/2017	--	0.899	199	0.354	0.863	153	34.9	76.9	18.3	--	--	191	--	--	--	117	52.5	--
GB-147	9.25	11/10/2017	--	1.59	138	--	0.628	117	24.7	40	19.5	--	--	118	--	--	--	89.2	44	--
GB-148	2	11/7/2017	--	2.44	85.8	0.284	--	45.9	12.4	29.2	70.2	0.211	0.281	54.6	--	--	--	40.2	62.3	--
GB-148	5	11/7/2017	--	2.99	92.2	0.293	--	67.3	19	57.4	135	0.81	--	177	--	--	--	41.4	88.2	--
GB-148	7.5	11/7/2017	--	1.25	40.9	0.481	--	58.3	53.1	15.3	7.38	--	8.56	4460	--	--	4.93	4260	14.2	--
GB-148	10	11/7/2017	--	2.67	61.7	--	0.526	70.8	25.4	54.2	0.631	--	--	105	--	--	1.84	54.2	28.2	--
GB-149	0.5	11/14/2017	--	--	--	--	--	--	--	--	40.8	--	--		--	--	--	--	--	--
GB-149	2	11/14/2017	--	3.55	111	0.345	--	58	13.3	20.2	45.5	0.17	--	53.7	--	--	--	47.1	55.2	--
GB-149	5	11/21/2017	--	2.88	74.8	--	0.541	47.2	12.9	43.7	96.4	0.131	0.512	53.1	--	--	0.807	40.1	238	--
GB-149	10.5	11/21/2017	--	1.32	225	0.437	0.631	38.4	21.7	45.2	16.9	--	--	34.4	--	--	--	119	61	--
GB-149	14.5	11/21/2017	--	5.3	89.1		0.581	195	18.4	36.2	2.55	--	--	97.2	--	--	--	104	38.9	--
GB-150	0.5	11/7/2017	--	--	--	--	--	--	--	--	18.2	--	--		--	--	--	--	--	--
GB-150	2	11/9/2017	--	3.88	115	0.344	0.51	57.6	16	46.3	114	0.247	--	105	--	--	--	45.7	96.5	--
GB-150	4.5	11/9/2017	1.39	5.64	147	0.315	0.833	55.5	16.4	219	242	0.665	0.443	92.5	--	--	--	53.3	217	--
GB-150	10	11/10/2017	--	5.05	260	0.422	0.516	48.4	15.5	38.1	21.2	0.0923	--	50.8	--	--	--	66.9	50	--
GB-151	2	11/8/2017	--	2.3	76.2	--	--	42.5	9.9	30.7	64.9	0.302	--	49.4	--	--	--	32.9	50.3	--
GB-151	5	12/4/2017	--	3.97	115	0.318	--	64.9	13.8	39.3	99.7	0.325	--	77.1	--	--	--	48.7	81.7	--
GB-151	9.5	12/5/2017	--	4.08	396	0.464	0.899	85.1	26.2	61.9	178	0.1	--	101	--	--	--	137	84.7	--
GB-151	15	12/5/2017	--	--	--	--	--	--	--	--	2.7	--	--	--	--	--	--	--	--	--
GB-151	19	12/5/2017	--	--	--	--	--	--	--	--	2.35	--	--	--	--	--	--	--	--	--
GB-151	26	12/6/2017	--	--	--	--	--	--	--	--	1.34	--	--	--	--	--	--	--	--	--
GB-152	2	11/9/2017	--	2.35	252	0.575	--	56.8	19.5	48	50.9	1.68	--	49.6	--	--	--	68.2	59.4	--
GB-152	4.5	11/21/2017	--	1.55	31.5	--	--	80.6	12.3	10.6	15.3	0.0831	--	163	--	--	--	20.6	30.7	--

TABLE A-6
SOIL ANALYTICAL RESULTS - METALS AND CYANIDE
Tank Farm Area
Potrero Power Station, San Francisco, CA

Location ID	Sample Depth (ft bgs)	Date	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	Cyanide, Total
Direct Exposure Commercial ESL			160	3.6	220,000	230	1,100	--	350	47,000	320	190	5,800	10,000	5,800	5,800	12	5,800	350,000	25
Construction/Trench Worker Exposure Scenario ESL			50	2.0	3,000	27	51	--	28	14,000	160	44	1,800	86	1,700	1,800	3.5	470	110,000	22
GB-152	10.5	11/21/2017	--	1.55	322	0.48	0.814	44.2	31.7	57.6	7.28	0.146	--	54	--	--	--	137	65.3	--
GB-152	13.5	11/21/2017	--	1.25	58.7	--	--	57.1	14.2	23.9	86.3	--	--	122	--	--	--	93.6	58.6	--
GB-152	16.5	11/21/2017	--	11.4	71.1	--	--	629	69.3	22.5	2.65	--	1.78	1,190	--	--	1.5	39.3	24.6	--
GB-153	1.5	12/5/2017	--	3.19	83.5	0.274	--	212	24.7	25.9	55.2	0.272	--	357	--	--	0.952	38.7	54.4	--
GB-153	5	11/21/2017	--	4.36	111	0.246	--	356	43.6	23.4	81.7	0.182	--	718	--	--	--	33.7	44.5	--
GB-153	9	12/5/2017	--	3.55	324	0.27	1.09	158	33	66.4	2.11	--	--	109	--	--	--	121	53	--
GB-153	18	12/5/2017	--	4.24	662	0.459	0.809	126	40.3	76.5	9.08	--	0.623	141	--	--	--	101	52.3	--
GB-154	2	11/16/2017	--	4.16	254	0.41	0.65	60.1	22.9	62.7	75.2	2.86	--	97.2	--	--	--	58.2	85.3	--
GB-154	5	11/16/2017	--	3.43	180	0.288	0.599	47.4	13.9	37.9	70.2	0.602	--	63.5	--	--	--	40.4	59.3	--
GB-154	9.5	12/4/2017	--	4.13	94.4	0.287	--	305	33.7	26	234	0.15	--	588	--	--	--	33.5	59.5	--
GB-154	19	12/6/2017	--	--	--	--	--	--	--	--	33.1	--	--		--	--	--	--	--	--
GB-155	2	11/16/2017	--	2.72	144	0.347	--	76.8	18.4	26.4	26.9	0.939	--	76.9	--	--	--	53.6	50.2	--
GB-155A	5	1/2/2018	--	2.64	48.7	--	--	144	18.6	15.5	23.7	0.139	0.344	265	--	--	0.879	30.3	49.1	--
GB-155A	9	1/4/2018	--	2.26	69.5	--	--	44.8	12.3	23.6	25.5	--	--	67.9	--	--	--	15.2	19.4	--
GB-156	2	11/16/2017	--	5.25	140	0.353	0.611	101	17.8	38.4	109	3.58	--	188	--	--	1.18	41.6	75.1	--
GB-156A	5	1/2/2018	--	4.9	122	0.312		175	24.5	47.7	3080	0.238	0.344	351	--	--	--	38.2	94.1	--
GB-161	9.25	1/5/2018	--	--	--	--	--	--	--	--	73.2	--	--	--	--	--	--	--	--	--
GB-162	9.5	1/4/2018	--	--	--	--	--	--	--	--	39.1	--	--	--	--	--	--	--	--	--
GB-163	9	1/3/2018	--	--	--	--	--	--	--	--	7.85	--	--	--	--	--	--	--	--	--
GB-164	7.5	1/3/2018	--	--	--	--	--	--	--	--	88.5	--	--	--	--	--	--	--	--	--
MW-POT-10	5.5-6	2/27/1991	ND	1.3	17	ND	4.9	560	72	32	ND	ND	ND	1,500	ND	ND	ND	24	28	ND
MW-POT-10	9-10	2/27/1991	ND	1.7	26	ND	4	350	60	25	ND	0.14	ND	1,200	ND	ND	ND	11	21	ND
MW-POT-11	1.5-2	3/5/1991	ND	4.7	78	ND	3.4	140	21	20	38	0.14	ND	330	ND	ND	ND	30	110	1.2
MW-POT-11	5.5-6	3/5/1991	ND	ND	1,800	ND	9.5	25	45	88	11	ND	ND	72	ND	ND	ND	100	110	ND
MW-POT-12	3 -3.5	2/26/1991	--	3	160	--	3	47	14	35	45	0.27	--	86	--	--	--	42	62	--
MW-POT-12	5.5 -6	2/26/1991	--	6.1	210	--	2.8	200	28	58	470	0.27	--	560	--	--	--	160	89	--
MW-POT-12	10.5 -11	2/26/1991	--	4.9	590	--	8.7	340	23	87	28	--	--	220	--	--	--	130	81	--
MW-POT-12	15.5 -16	2/26/1991	--	2.8	320	--	5.3	210	30	75	25	--	--	210	--	--	--	93	60	--
PA-4	0.5 - 1	5/28/1986	--	8.4	--	--	--	--	--	--	370	0.55	--	--	--	--	--	--	--	--
PA-5	0.5 -1	5/28/1986	--	4.8	--	--	--	--	--	--	1600	0.15	--	--	--	--	--	--	--	--
POT-10	6 -6.5	2/27/1991	ND	1.3	17	ND	4.9	560	72	32	ND	ND	ND	1,500	ND	ND	ND	24	28	--
POT-10	10 -10.5	2/27/1991	ND	1.7	26	ND	4	350	60	25	ND	0.14	ND	1,200	ND	ND	ND	11	21	--
POT-11	2 -2.5	3/5/1991	ND	4.7	78	ND	3.4	140	21	20	38	0.14	ND	330	ND	ND	ND	30	110	--
POT-11	6 -6.5	3/5/1991	ND	ND	1,800	ND	9.5	25	45	88	11	ND	ND	72	ND	ND	ND	100	110	--
POT-12	2.5 -3	2/26/1991	ND	3	160	ND	3	47	14	35	45	0.27	ND	86	ND	ND	ND	42	62	ND
POT-12	5.5 -6	2/26/1991	ND	6.1	210	ND	2.8	200	28	58	470	0.27	ND	560	ND	ND	ND	160	89	17
POT-12	10.5 -11	2/26/1991	ND	4.9	590	ND	8.7	340	23	87	28	ND	ND	220	ND	ND	ND	130	81	214
POT-12	15.5 -16	2/26/1991	ND	2.8	320	ND	5.3	210	30	75	25	ND	ND	210	ND	ND	ND	93	60	2
SS-POT-2	0 -0.5	2/27/1991	ND	6.8	200	ND	8.5	610	53	49	1,600	0.53	ND	1,000	ND	ND	ND	48	720	14
SS-POT-4	0 -0.5	2/27/1991	--	2.9	440	--	2.6	19	4	17	14	0.29	--	18	--	--	--	34	72	--
TB3-001	0 -1	11/25/1997	ND	2.3	169	ND	ND	9.8	6.08	7.47	2.84	ND	ND	7.24	ND	ND	ND	33.1	65.7	ND
TB3-001	5 - 6	11/25/1997	ND	ND	47.4	ND	ND	132	23.6	50.4	0.74	ND	ND	208	ND	ND	ND	107	68.9	ND
TB3-002	0 - 1	11/24/1997	ND	2	254	ND	ND	125	19.1	45.7	21.6	0.134	ND	214	ND	ND	ND	60.9	83.9	0.8
TB3-002	6 -7	11/24/1997	ND	0.7	241	ND	ND	88.6	20.5	102	ND	ND	ND	35.9	ND	ND	ND	57.2	58.7	ND
TB3-002	18 -19	11/24/1997	ND	0.8	683	ND	ND	19.6	23.2	53.2	0.98	ND	ND	25.7	ND	ND	ND	116	67	ND
TB3-003	0 -1	11/24/1997	ND	3.8	182	ND	ND	72.1	15.5	35.8	32	0.441	ND	136	ND	ND	ND	55.8	69.7	ND
TB3-003	5.5	11/24/1997	ND	5.7	133	ND	ND	198	20	32.5	92.3	ND	ND	349	ND	ND	ND	32.1	51.4	ND
TB3-003	9 -10	11/24/1997	ND	4.2	121	0.54	ND	20	6.3	19.5	2.83	ND	ND	20.6	ND	ND	ND	29	24.8	ND
TB3-007	0 - 1	11/24/1997	ND	5.9	141	ND	ND	31.4	8.23	15.7	9.94	0.361	ND	34.8	ND	ND	ND	33.4	271	ND
TB3-007	6 -8	11/24/1997	ND	1.4	80.1	ND	ND	7.46	7.08	6.4	3.82	ND	ND	22.3	ND	ND	ND	18.5	26.3	ND
TB3-007	10 - 11	11/24/1997	ND	5.7	854	0.96	ND	4.42	ND	32	0.88	ND	ND	13	ND	ND	ND	48.4	3.58	ND
TB3-008	0 -1	11/25/1997	ND	4.7	70.3	ND	ND	65.5	9.35	18.5	17	0.094	ND	134	ND	ND	ND	35.5	54.5	ND
TB3-008	5 -6	11/25/1997	ND	1.8	31.4	ND	ND	57.5	7.18	4.9	1.58	ND	ND	38.1	ND	ND	ND	43	24	ND
TB3-008	10 -11	11/25/1997	ND	6	204	ND	2.28	261	30.9	78.6	136	1.11	ND	445	ND	ND	ND	51.7	295	0.9
TB3-009	0 -1	11/25/1997	ND	11.5	261	ND	10.2	588	42.4	65.1	2320	6.92	ND	806	ND	ND	1.3	40	552	29.5

TABLE A-6
SOIL ANALYTICAL RESULTS - METALS AND CYANIDE
Tank Farm Area
Potrero Power Station, San Francisco, CA

Location ID	Sample Depth (ft bgs)	Date	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	Cyanide, Total
Direct Exposure Commercial ESL			160	3.6	220,000	230	1,100	--	350	47,000	320	190	5,800	10,000	5,800	5,800	12	5,800	350,000	25
Construction/Trench Worker Exposure Scenario ESL			50	2.0	3,000	27	51	--	28	14,000	160	44	1,800	86	1,700	1,800	3.5	470	110,000	22
TB3-009	6 -8	11/25/1997	ND	ND	ND	ND	ND	**1,200**	**106**	**24.1**	**2.75**	ND	ND	**1,910**	ND	ND	**2.12**	**27.2**	**24.8**	ND

Notes:
1. ESLs; Table S-1. Direct Exposure Soil Screening Levels, Commercial/Industrial Worker Exposure Scenario, Most Stringent (Water Board, Jan. 2019).
2. ESLs; Table S-1. Direct Exposure Soil Screening Levels, Construction/Trench Worker Exposure Scenario, Most Stringent (Water Board, Jan. 2019).
3. All results are in mg/kg.

Abbreviations:
ESL = environmental screening level
ft bgs = feet below ground surface
ND = not detected
< = The analyte was not detected above the reported detection limit.
-- = not analyzed
mg/kg = milligrams per kilogram

References:
Haley & Aldrich, 2018, Tank Farm Area Investigation Report, Potrero Power Plant Site, San Francisco, California, July.

TABLE A-7
SOIL ANALYTICAL RESULTS - POLYCHLORINATED BIPHENYLS
Tank Farm Area
Potrero Power Station, San Francisco, CA

Location ID	Sample Depth (ft bgs)	Date	Asbestos
Direct Exposure Commercial ESL			--
Construction/Trench Worker Exposure Scenario ESL			--
GB-127	2	11/13/2017	<0.25
GB-128	2	11/13/2017	<0.25
GB-129	2	11/8/2017	<0.25
GB-129	18.75	11/20/2017	<0.25
GB-130	2	11/14/2017	<0.25
GB-130	15	11/15/2017	<0.25
GB-130	19	11/15/2017	<0.25
GB-130	25.75	11/15/2017	<0.25
GB-131	2	11/13/2017	<0.25
GB-132	5	11/13/2017	<0.25
GB-132	15	11/13/2017	<0.25
GB-132	20	11/13/2017	<0.25
GB-132	25	11/14/2017	<0.25
GB-134	5	11/20/2017	<0.25
GB-134	10	11/21/2017	<0.25
GB-134	15.5	11/21/2017	<0.25
GB-135	2	11/17/2017	<0.25
GB-136	2	11/13/2017	<0.25
GB-136	5	11/13/2017	<0.25
GB-136	6	11/13/2017	<0.25
GB-136	8.5	11/13/2017	<0.25
GB-136	10	11/13/2017	<0.25
GB-136	12	11/13/2017	<0.25
GB-137	9	12/7/2017	<0.25
GB-140	2	11/9/2017	<0.25
GB-145	2	11/14/2017	<0.25
GB-149	2	11/14/2017	<0.25
GB-151	2	11/8/2017	<0.25
GB-151	5	12/4/2017	<0.25
GB-153	5	11/21/2017	<0.25
GB-154	5	11/16/2017	<0.25
GB-156	2	11/16/2017	<0.25
TB3-001	1	11/25/1997	<1
TB3-001	6	11/25/1997	<1
TB3-002	1	11/24/1997	<1
TB3-002	7	11/24/1997	<1
TB3-003	1	11/24/1997	<1
TB3-003	6	11/24/1997	<1
TB3-007	1	11/24/1997	<1
TB3-007	8	11/24/1997	<1
TB3-008	1	11/25/1997	<1
TB3-008	6	11/25/1997	<1
TB3-009	1	11/25/1997	<1

Notes:
All results in percent

Abbreviations:
< = The analyte was not detected above the reported detection limit.
ft bgs = feet below ground surface

References:
Haley & Aldrich, 2018, Tank Farm Area Investigation Report, Potrero Power Plant Site, San Francisco, California, July.

APPENDIX B:
Prevalence Tables

Appendix B

Comparison of Tank Farm Area and NE Area data

Prevalence tables comparing the Tank Farm Area and Northeast Area soil and soil vapor datasets are included in Tables B-1 through B-7. Data for other areas of the Site (Station A and Unit 3 Areas) are, in general, lower in concentration with fewer detections of COPCs. Therefore, comparison of the Northeast Area with the Tank Farm Area is considered conservative for the entire Site.

The following observations were made:

- Median concentrations of TPH and PCBs in soil were lower in Tank Farm Area samples with the exception of TPH as gasoline, which was higher in the Tank Farm Area.
- Median concentrations of metals and PAHs in soil in both the Tank Farm Area and Northeast Area soil are consistent.
- Naphthalene concentrations are lower in Tank Farm Area soil samples collected, though the maximum concentration observed at the Site (56,000 milligrams per kilogram) was reported for one location (GB-162) in the Tank Farm Area.

Median VOC concentrations are generally higher in the Tank Farm Area. In addition, a greater quantity of samples was collected for benzene, toluene, ethylbenzene, xylenes (BTEX) analysis in the Tank Farm Area as compared to the Northeast Area. Comparison of the Tank Farm Area and Northeast Area datasets show that similar COPCs are present in these areas, and COPC concentrations ranges are generally similar except for TPH as gasoline and VOCs, which were higher in the Tank Farm Area. The COPC list identified for the Northeast Area is considered applicable to the Tank Farm Area given that benzene and naphthalene have some of the lowest screening levels and using these lower screening levels to inform dust and VOC control measures would provide for an appropriate level of protectiveness for other petroleum related VOCs.

COPC-specific action levels specified in this PAMP are based on human health risk screening exposure assumptions and methodology applied in the Northeast Area APAMP. Historically, MGP operations occurred on both the Northeast Area and Tank Farm Area and potential COPCs in both areas are similar.

As presented in the *Remedial Action Completion Report for the North East Area* (RACR; H&A, 2019), ambient perimeter air monitoring was conducted for the duration of remedial construction activities. Ambient perimeter air monitoring consisted of real-time and time-averaged sampling, and laboratory analysis of time-averaged samples. Data was evaluated throughout remedial construction to monitor impacts to the surrounding community. Air monitoring data collected during remediation of the Northeast Area is included in **Appendix D**. Evaluation of the northeast air monitoring data was performed by calculating two indices to demonstrate conditions protective of human health as described in the Northeast Area APAMP.

DRAFT

Developing Ambient Air Concentration Action Limits

Action levels for each of the COPCs are derived from the Northeast Area APAMP where a screening-level human health risk evaluation was used to develop conservative COPC-specific action levels. Methodology used for the evaluation is described in the Northeast Area APAMP and includes the following assumptions:

- Site-specific exposure factors based on the remediation schedule and Site setting.
- Inhalation unit-risk factors (IUR), to evaluate potential carcinogenic risks, and reference exposure levels, to evaluate potential noncarcinogenic hazards, were selected from California Environmental Protection Agency (Cal/EPA) sources[1].

Action levels developed represent the concentration of a COPC if it is to occur continuously at a receptor's point of exposure, for a 14-month duration, without resulting in significant human health risk. Action levels are the lower of the COPC-specific carcinogenic or non-carcinogenic risk-based thresholds, if applicable.

DRAFT

[1] Toxicity criteria was obtained from the following Cal/EPA sources: OEHHA Toxicity Criteria Database, DTSC Human Health Note 3 (DTSC, 2020), and the OEHHA/California Air Resources Board (CARB) Consolidated Table of OEHHA/ARB Approved Risk Assessment Health Values (OEHHA/ARB, 2019a).

TABLE B-1
PREVALENCE OF VOLATILE ORGANIC COMPOUNDS IN SOIL
Tank Farm Area and Northeast Area
Potrero Power Station, San Francisco, CA

Analyte	Tank Farm Summary Statistics								Northeast Area Summary Statistics							
	Minimum Detected	Maximum Detected	Median Detected	Number Analyzed	Number Detected	Frequency of Detection (%)	Minimum RL	Maximum RL	Minimum Detected	Maximum Detected	Median Detected	Number Analyzed	Number Detected	Frequency of Detection (%)	Minimum RL	Maximum RL
Acetone	--	--	--	--	--	--	--	--	--	--	--	2	0	0	< 3,300	< 4,500
Benzene	0.84	600,000	12	111	94	85	--	--	0.33	700	126	18	12	67	<5.0	<330
sec-Butylbenzene	--	--	--	--	--	--	--	--	--	--	--	6	0	0	<5.0	<450
Ethylbenzene	1.1	400,000	555	64	50	78	--	--	0.33	2,600	430	18	13	72	<5.0	<330
Naphthalene	--	--	--	--	--	--	--	--	1.1	230,000	1,078	6	6	100	--	--
Toluene	0.36	84,000	26	59	49	83	--	--	0.33	500	91	18	12	67	<5.0	<450
1,2,4-Trichlorobenzene	1.8	430	8	21	14	67			--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	2.1	51,000	2,500	18	15	83	--	--	2.1	840	430	15	13	87	<5.0	<330
1,3,5-Trimethylbenzene	0.38	22,000	3,150	11	8	73	--	--	3.9	500	237	15	9	60	<5.0	<450
Xylene, o-	0.98	58,000	565	37	36	97	--	--	112	112	112	2	1	50	<100	<100
Xylene, m/p-	--	--	--	--	--	--	--	--	108	108	108	1	1	100	--	--
Xylenes, Total	10	11,000	53	25	13	52	--	--	1.1	1,500	180	17	13	76	<5.0	<670

Notes:
All results in micrograms per kilogram (µg/kg)
RL = reporting limit

TABLE B-2
PREVALENCE OF VOLATILE ORGANIC COMPOUNDS IN SOIL VAPOR
Tank Farm Area and Northeast Area
Potrero Power Station, San Francisco, CA

Analyte	Tank Farm Summary Statistics								Northeast Area Summary Statistics							
	Minimum Detected	Maximum Detected	Median Detected	Number Analyzed	Number Detected	Frequency of Detection (%)	Minimum RL	Maximum RL	Minimum Detected	Maximum Detected	Median Detected	Number Analyzed	Number Detected	Frequency of Detection (%)	Minimum RL	Maximum RL
Acetone	7	610	30	25	13	52	<4.8	<4,400	12	64	16.5	9	8	89	<7.5	<7.5
Benzene	2	930,000	1,930	43	29	67	<1.6	<36	12	446,000	115	16	6	38	<2.3	<100
sec-Butylbenzene	39	460	190	18	7	39	<8	<8	10	3610	16	6	3	50	<8.0	<8.0
Carbon Disulfide	7	160	120	26	7	27	<6.2	<1,400	--	--	--	--	--	--	--	--
Chloroform	3	44	8	43	10	23	<2.4	<2,300	--	--	--	--	--	--	--	--
Chloromethane	2	2	2	43	1	2	<1	<3,800	1.5	1.5	1.5	15	1	7	<1.5	<8.0
Cumene	44	2,520	636	21	9	43	<8	<2,300	--	--	--	--	--	--	--	--
Cymene	238	355	297	18	2	11	<8	<8	--	--	--	--	--	--	--	--
Dichloro- difluoromethane	4	100	5	43	3	7	<2.5	<2,300	4.2	4.8	4.5	16	2	13	<3.8	<100
Ethylbenzene	5	200,000	425	43	22	51	<2.2	<50	3.8	87,700	6	16	5	31	<3.0	<100
4-Ethyltoluene	190	5,300	555	25	6	24	<2.5	<98	4	4	4	9	1	11	<3.4	<6.0
Hexane	58	7,900	316	14	10	71	<8	<8	--	--	--	--	--	--	--	--
Methyl Ethyl Ketone	5	8	7	25	2	8	<4.4	<1,400	7.2	25	9.9	9	3	33	<6.1	<7.0
Methyl tert-butyl ether	16	16	16	43	1	2	<7.2	<1,700	--	--	--	--	--	--	--	--
n-Butylbenzene	390	390	390	18	1	6	<8	<8	--	--	--	--	--	--	--	--
Naphthalene	63	260,000	1,770	43	19	44	<8	<1,000	46	5,660	722	16	5	31	<8.0	<100
n-Propylbenzene	36,200	52,300	45,900	18	3	17	<8	<2,300	--	--	--	--	--	--	--	--
Styrene	54	100,000	463	43	9	21	<6.4	<260	--	--	--	--	--	--	--	--
Tetrachloroethene	6	5,700	132	43	8	19	<3.4	<140	88	220	170	16	8	50	<4.7	<8.0
Toluene	4	600,000	463	43	28	65	<1.9	<3,000	6.6	178,000	37.5	16	10	63	<2.9	<200
Trichloroethene	5	56	25	43	3	7	<2.7	<2,500	--	--	--	--	--	--	--	--
Trichlorofluoromethane	19	240	44	43	4	9	<5.6	<2,600	13	50	27	16	7	44	23	< 100
1,2,4-Trimethylbenzene	38	8,200	1,400	43	14	33	<7.4	<290	12	6,920	25	15	3	20	< 8.0	< 12
1,3,5-Trimethylbenzene	3	4,860	810	43	13	30	<2.5	<9.8	72	3,760	1916	15	2	13	< 3.4	< 8.0
Xylene, o-	3	42,000	200	25	13	52	<2.2	<8.7	4.4	10	9.4	10	4	40	< 5.3	< 100
Xylene, m/p-	11	130,000	610	25	10	40	<8.7	<350	25	26	26	6	3	50	< 14	< 200
Xylenes, Total	3	172,000	840	43	25	58	<8	<35	49	136,000	68,025	6	2	33	< 8.0	< 8.0
Hydrocarbons, Aliphatic (C5-C8)	--	--	--	--	--	--	--	--	7560	1,280,000	643,780	6	2	33	< 25	< 25
Hydrocarbons, Aromatic (C6-C8)	--	--	--	--	--	--	--	--	37	844,000	215	6	6	100	--	--
Hydrocarbons, Aromatic (C9-C16)	--	--	--	--	--	--	--	--	56	17,500	835	6	5	83	< 25	< 25

Notes:

All results in micrograms per cubic meter ($\mu g/m^3$)

RL = reporting limit

TABLE B-3
PREVALENCE OF POLYCYCLIC AROMATIC HYDROCARBONS IN SOIL
Tank Farm Area and Northeast Area
Potrero Power Station, San Francisco, CA

Analyte	Tank Farm Summary Statistics								Northeast Area Summary Statistics							
	Minimum Detected	Maximum Detected	Median Detected	Number Analyzed	Number Detected	Frequency of Detection (%)	Minimum RL	Maximum RL	Minimum Detected	Maximum Detected	Median Detected	Number Analyzed	Number Detected	Frequency of Detection (%)	Minimum RL	Maximum RL
Acenaphthene	0.01	11,000	1.55	147	128	87	--	--	0.015	3,500	3.2	49	34	69	<0.099	<10
Acenaphthylene	0.013	6,100	1.2	179	162	91	--	--	0	2,120	1.1	49	36	73	<0.10	<100
Anthracene	0.01	860	1.8	180	165	92	--	--	0.041	2,370	1.2	49	40	82	<0.10	<10
Benzo(a)anthracene	0.12	1,500	4.8	28	15	54	--	--	0.067	2,270	3.5	43	43	100	<0.10	<10
Benzo(a)pyrene	0.016	2,000	5	195	185	95	--	--	0.06	2,760	4.8	49	48	98	<0.10	<0.10
Benzo(b)fluoranthene	0.011	1,300	3.1	192	178	93	--	--	0.071	1,460	2.6	49	45	92	<0.10	<10
Benzo(g,h,i)perylene	0.011	2,300	4.15	195	184	94	--	--	0.03	1,450	2.8	49	47	96	<0.14	<5.0
Benzo(k)fluoranthene	0.011	940	2.8	180	168	93	--	--	0	1,460	1.6	49	42	86	<0.056	<10
Chrysene	0.0099	1,500	4.2	195	181	93	--	--	0.064	2,040	2.6	49	44	90	<0.10	<10
Dibenzo(a,h)anthracene	0.011	580	0.93	156	147	94	--	--	0.025	343	1.5	49	41	84	<0.10	<5.0
Fluoranthene	0.01	7,600	11	198	192	97	--	--	0.13	7,600	7.7	49	49	100	--	--
Fluorene	0.01	1,400	1.1	160	145	91	--	--	0.053	2,560	1.1	49	34	69	<0.056	<10
Indeno(1,2,3-cd)pyrene	0.011	1,400	3	191	180	94	--	--	0	1,460	2.95	49	46	94	<0.10	<3.0
1-Methylnaphthalene	0.012	840	1.2	103	103	100	--	--	--	--	--	--	--	--	--	--
2-Methylnaphthalene	0.01	1,500	0.8	102	99	97	--	--	5.7	5.7	5.7	5	1	20	<0.10	<0.10
Naphthalene	0.011	56,000	1.5	177	158	89	--	--	0.023	8,860	2.4	50	35	70	<0.099	<20
Phenanthrene	0.01	7,600	4.9	196	185	94	--	--	0.1	16,600	3.8	49	48	98	<10	<10
Pyrene	0.01	6,900	13	203	198	98	--	--	0.13	9,060	9.4	48	48	100	--	--
Benzo(a)pyrene Equivalent	0.08246	1,869	6.22	23	18	78	--	--	0.09	3,562	6.2	44	44	100	--	--

Notes:
All results in milligrams per kilogram (mg/kg)
RL = reporting limit

TABLE B-4
PREVALENCE OF TOTAL PETROLEUM HYDROCARBONS IN SOIL
Tank Farm Area and Northeast Area
Potrero Power Station, San Francisco, CA

Analyte	Tank Farm Summary Statistics								Northeast Area Summary Statistics							
	Minimum Detected	Maximum Detected	Median Detected	Number Analyzed	Number Detected	Frequency of Detection (%)	Minimum RL	Maximum RL	Minimum Detected	Maximum Detected	Median Detected	Number Analyzed	Number Detected	Frequency of Detection (%)	Minimum RL	Maximum RL
TPH-Diesel	10	9,500	250	22	16	73	--	--	1	71,000	320	44	43	98	<10	<10
TPH-Fiuel Oil	14	300	31	4	3	75	--	--	14	300	57.5	7	4	57	<1.0	<1.0
TPH-Gasoline	31	8,200	1,150	15	6	40	--	--	0.057	1,400	1.0	23	13	57	<10	<2,200
TPH-Motor Oil	22	8,200	220	25	15	60	--	--	0.77	12,000	570	32	28	88	<5.0	<10
TPH-Total	0.61	3,650	199	38	25	66	--	--	0.8	124,000	1,020	27	25	93	<0.5	<0.5

Notes:
All results in milligrams per kilogram (mg/kg)
RL = reporting limit

TABLE B-5
PREVALENCE OF POLYCHLORINATED BIPHELYLS IN SOIL
Tank Farm Area and Northeast Area
Potrero Power Station, San Francisco, CA

Analyte	Tank Farm Summary Statistics								Northeast Area Summary Statistics							
	Minimum Detected	Maximum Detected	Median Detected	Number Analyzed	Number Detected	Frequency of Detection (%)	Minimum RL	Maximum RL	Minimum Detected	Maximum Detected	Median Detected	Number Analyzed	Number Detected	Frequency of Detection (%)	Minimum RL	Maximum RL
Aroclor 1254	0.064	0.064	0.064	25	2	8	--	--	0.064	0.064	0.064	12	1	8	< 0.022	<0.1
Aroclor 1260	1.1	1.1	1.1	25	1	4	--	--	0.053	2.3	0.63	12	11	92	< 0.022	< 0.022
PCBs, total	0.064	140	1.1	23	7	30	--	--	0.053	2.3	0.545	12	12	100	--	--

Notes:
All results in milligrams per kilogram (mg/kg)
RL = reporting limit

TABLE B-6
PREVALENCE OF METALS IN SOIL
Tank Farm Area and Northeast Area
Potrero Power Station, San Francisco, CA

Analyte	Tank Farm Summary Statistics								Northeast Area Summary Statistics							
	Minimum Detected	Maximum Detected	Median Detected	Number Analyzed	Number Detected	Frequency of Detection (%)	Minimum RL	Maximum RL	Minimum Detected	Maximum Detected	Median Detected	Number Analyzed	Number Detected	Frequency of Detection (%)	Minimum RL	Maximum RL
Antimony	1.39	8.4	4.9	35	2	6	--	--	0.6	12	2.3	43	5	12	<0.50	<100
Arsenic	0.7	12.6	3.9	147	143	97	--	--	1.6	27	4.5	50	41	82	<0.53	<4.0
Barium	2.39	1800	122	147	146	99	--	--	27	230	98	43	39	91	<2.2	<20
Beryllium	0.246	0.96	0.33	99	68	69	--	--	0.14	0.53	0.19	43	7	16	<0.36	<1.0
Cadmium	0.496	10.2	0.81	91	73	80	--	--	0.17	3.9	1.1	54	22	41	<0.45	<10
Chromium	4.42	1200	155	148	147	99	--	--	8.7	1400	78	54	53	98	<1.1	<1.1
Cobalt	4	106	26	79	146	185	--	--	5.8	88	16	47	45	96	<2.2	<5.0
Copper	4.9	417	40	147	147	100	--	--	4.3	730	53	47	47	100	--	--
Lead	0.525	3080	37	165	160	97	--	--	0.12	1700	100	57	56	98	<5.6	<5.6
Mercury	0.03	9.72	0.3	114	98	86	--	--	0	18	0.38	51	42	82	< 0.050	< 0.14
Molybdenum	0.243	20	0.75	52	23	44	--	--	0.53	20	3.3	43	10	23	<1.0	< 10
Nickel	7.24	4460	210	147	147	100	--	--	2.6	1800	110	49	49	100	--	--
Selenium	0.1	0.2	0.15	33	4	12	--	--	0.1	3.4	0.78	43	12	28	< 0.50	<28
Silver	0.269	8.11	6	36	5	14	--	--	0.069	8	0.58	43	7	16	< 0.25	<2.0
Thallium	0.771	4.93	1.2	74	43	58	--	--	0.03	2	1.9	43	3	7	< 0.50	<50
Vanadium	5.58	4260	42.3	147	147	100	--	--	9.7	160	39.5	43	30	70	<2.2	<2.2
Zinc	3.58	720	61.2	147	147	100	--	--	3.3	1500	85	54	54	100	--	--
Cyanide, total	0.8	214	8	25	8	32	--	--	0.6	17	1	32	11	34	< 0.38	<1.1

Notes:
All results in milligrams per kilogram (mg/kg)
RL = reporting limit

TABLE B-7
PREVALENCE OF VOLATILE ORGANIC COMPOUNDS IN SOIL
Tank Farm Area and Northeast Area
Potrero Power Station, San Francisco, CA

Analyte	Tank Farm Summary Statistics								Northeast Area Summary Statistics							
	Minimum Detected	Maximum Detected	Median Detected	Number Analyzed	Number Detected	Frequency of Detection (%)	Minimum RL	Maximum RL	Minimum Detected	Maximum Detected	Median Detected	Number Analyzed	Number Detected	Frequency of Detection (%)	Minimum RL	Maximum RL
Asbestos	--	--	--	43	0	0	<0.25	<1	0.75	4.75	1.0	10	5	50	<0.25	<0.25

Notes:
All results in percent
RL = reporting limit

APPENDIX C:
ProUCL Output

TABLE 1
SOIL EPCs - METALS AND CYANIDE
Tank Farm Area
Potrero Power Station, San Francisco, CA

Analyte	Unit	# Detected	Minimum Detect	Maximum Detect	Mean	UCL	UCL Method	EPC
Antimony	mg/kg	2	1.39	8.4	4.895	--	Data was not processed	***8.4***
Arsenic	mg/kg	143	0.7	12.6	4.127	4.5	95% Approximate Gamma	4.5
Barium	mg/kg	146	2.39	1800	178.6	264	95% Chebyshev (Mean, Sd)	264
Beryllium	mg/kg	68	0.246	0.96	0.367	0.39	95% Student's-t	0.39
Cadmium	mg/kg	73	0.496	10.2	1.995	3.3	95% Chebyshev (Mean, Sd)	3.3
Chromium	mg/kg	147	4.42	1200	222.8	255	95% Approximate Gamma	255
Cobalt	mg/kg	146	4	106	29.91	33	95% Approximate Gamma	33
Copper	mg/kg	147	4.9	417	47.67	53	95% Approximate Gamma	53
Lead	mg/kg	160	0.525	3080	131.4	257	95% Chebyshev (Mean, Sd)	257
Mercury	mg/kg	98	0.03	9.72	0.859	0.97	95% H	0.97
Molybdenum	mg/kg	23	0.243	20	3.521	9.0	95% Chebyshev (Mean, Sd)	9.0
Nickel	mg/kg	147	7.24	4460	428.2	600	95% H	600
Selenium	mg/kg	4	0.1	0.2	0.15	--	95% Student's-t	***0.20***
Silver	mg/kg	5	0.269	8.11	4.533	--	95% Student's-t	***8.1***
Thallium	mg/kg	43	0.771	4.93	1.334	1.5	95% Adjusted Gamma	1.5
Vanadium	mg/kg	147	5.58	4260	84.98	210	95% Chebyshev (Mean, Sd)	210
Zinc	mg/kg	147	3.58	720	87.51	97	95% H	97

Notes:

EPC - exposure point concentrations. Unless otherwise indicated, the UCL of the arithmetic mean concentrations are used as the representative EPCs. Where too few detections (<4) were available to calculate a UCL (USEPA, 2015), the maximum detected concentration was used. Maximum detected concentrations are bolded and italicized.

UCL - upper confidence limit. UCLs are derived using ProUCL 5.1.002 (USEPA, 2018); ProUCL output is presented in Attachment A. In cases where more than one UCL was suggested by ProUCL, the higher UCL was used.

References:

United States Environmental Protection Agency (USEPA). 2015. ProUCL Version 5.1.00 Technical Guide. EPA/600/R-07/041. October.
USEPA. 2018. ProUCL Version 5.1.002. Downloaded from: https://www.epa.gov/land-research/proucl-software.

ATTACHMENT TABLE A-1
PROUCL OUTPUT - METALS AND CYANIDE
Tank Farm Area
Potrero Power Station, San Francisco, CA

UCL Statistics for Uncensored Full Data Sets

User Selected Options	
Date/Time of Computation	ProUCL 5.18/27/2020 12:13:27 PM
From File	Copy of Metals Data.xls
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

OrigResult (arsenic)

General Statistics

Total Number of Observations	143	Number of Distinct Observations	118
		Number of Missing Observations	0
Minimum	0.7	Mean	4.127
Maximum	12.6	Median	3.87
SD	2.204	Std. Error of Mean	0.184
Coefficient of Variation	0.534	Skewness	1.154

Normal GOF Test

Shapiro Wilk Test Statistic	0.921	**Shapiro Wilk GOF Test**
5% Shapiro Wilk P Value	6.764E-10	Data Not Normal at 5% Significance Level
Lilliefors Test Statistic	0.0768	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.0745	Data Not Normal at 5% Significance Level

Data Not Normal at 5% Significance Level

Assuming Normal Distribution

95% Normal UCL		**95% UCLs (Adjusted for Skewness)**	
95% Student's-t UCL	4.432	95% Adjusted-CLT UCL (Chen-1995)	4.449
		95% Modified-t UCL (Johnson-1978)	4.435

Gamma GOF Test

A-D Test Statistic	0.39	**Anderson-Darling Gamma GOF Test**
5% A-D Critical Value	0.758	Detected data appear Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.0498	**Kolmogorov-Smirnov Gamma GOF Test**
5% K-S Critical Value	0.0788	Detected data appear Gamma Distributed at 5% Significance Level

Detected data appear Gamma Distributed at 5% Significance Level

Gamma Statistics

k hat (MLE)	3.554	k star (bias corrected MLE)	3.484
Theta hat (MLE)	1.161	Theta star (bias corrected MLE)	1.185
nu hat (MLE)	1016	nu star (bias corrected)	996.4
MLE Mean (bias corrected)	4.127	MLE Sd (bias corrected)	2.211
		Approximate Chi Square Value (0.05)	924.2
Adjusted Level of Significance	0.0483	Adjusted Chi Square Value	923.5

Assuming Gamma Distribution

95% Approximate Gamma UCL (use when n>=50)	4.45	95% Adjusted Gamma UCL (use when n<50)	4.453

Lognormal GOF Test

Shapiro Wilk Test Statistic	0.965	**Shapiro Wilk Lognormal GOF Test**
5% Shapiro Wilk P Value	0.0177	Data Not Lognormal at 5% Significance Level
Lilliefors Test Statistic	0.0861	**Lilliefors Lognormal GOF Test**
5% Lilliefors Critical Value	0.0745	Data Not Lognormal at 5% Significance Level

Data Not Lognormal at 5% Significance Level

Lognormal Statistics

Minimum of Logged Data	-0.357	Mean of logged Data	1.27
Maximum of Logged Data	2.534	SD of logged Data	0.57

Assuming Lognormal Distribution

95% H-UCL	4.583	90% Chebyshev (MVUE) UCL	4.828
95% Chebyshev (MVUE) UCL	5.119	97.5% Chebyshev (MVUE) UCL	5.522
99% Chebyshev (MVUE) UCL	6.316		

Nonparametric Distribution Free UCL Statistics

Data appear to follow a Discernible Distribution at 5% Significance Level

Nonparametric Distribution Free UCLs

95% CLT UCL	4.43	95% Jackknife UCL	4.432
95% Standard Bootstrap UCL	4.427	95% Bootstrap-t UCL	4.449
95% Hall's Bootstrap UCL	4.458	95% Percentile Bootstrap UCL	4.439
95% BCA Bootstrap UCL	4.458		
90% Chebyshev(Mean, Sd) UCL	4.68	95% Chebyshev(Mean, Sd) UCL	4.93
97.5% Chebyshev(Mean, Sd) UCL	5.278	99% Chebyshev(Mean, Sd) UCL	5.961

Suggested UCL to Use

95% Approximate Gamma UCL	4.45

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
Recommendations are based upon data size, data distribution, and skewness.
These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).
However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

OrigResult (barium)

General Statistics

Total Number of Observations	146	Number of Distinct Observations	120
		Number of Missing Observations	0
Minimum	2.39	Mean	178.6
Maximum	1800	Median	121.5
SD	237.5	Std. Error of Mean	19.66
Coefficient of Variation	1.33	Skewness	4.804

Normal GOF Test

Shapiro Wilk Test Statistic	0.554	**Shapiro Wilk GOF Test**
5% Shapiro Wilk P Value	0	Data Not Normal at 5% Significance Level
Lilliefors Test Statistic	0.235	**Lilliefors GOF Test**

5% Lilliefors Critical Value	0.0737	Data Not Normal at 5% Significance Level

Data Not Normal at 5% Significance Level

Assuming Normal Distribution

95% Normal UCL		**95% UCLs (Adjusted for Skewness)**	
95% Student's-t UCL	211.2	95% Adjusted-CLT UCL (Chen-1995)	219.3
		95% Modified-t UCL (Johnson-1978)	212.5

Gamma GOF Test

A-D Test Statistic	2.347	**Anderson-Darling Gamma GOF Test**
5% A-D Critical Value	0.779	Data Not Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.108	**Kolmogorov-Smirnov Gamma GOF Test**
5% K-S Critical Value	0.0796	Data Not Gamma Distributed at 5% Significance Level

Data Not Gamma Distributed at 5% Significance Level

Gamma Statistics

k hat (MLE)	1.185	k star (bias corrected MLE)	1.165
Theta hat (MLE)	150.8	Theta star (bias corrected MLE)	153.4
nu hat (MLE)	345.9	nu star (bias corrected)	340.1
MLE Mean (bias corrected)	178.6	MLE Sd (bias corrected)	165.5
		Approximate Chi Square Value (0.05)	298.4
Adjusted Level of Significance	0.0484	Adjusted Chi Square Value	298

Assuming Gamma Distribution

95% Approximate Gamma UCL (use when n>=50))	203.6	95% Adjusted Gamma UCL (use when n<50)	203.9

Lognormal GOF Test

Shapiro Wilk Test Statistic	0.956	**Shapiro Wilk Lognormal GOF Test**
5% Shapiro Wilk P Value	9.1752E-4	Data Not Lognormal at 5% Significance Level
Lilliefors Test Statistic	0.113	**Lilliefors Lognormal GOF Test**
5% Lilliefors Critical Value	0.0737	Data Not Lognormal at 5% Significance Level

Data Not Lognormal at 5% Significance Level

Lognormal Statistics

Minimum of Logged Data	0.871	Mean of logged Data	4.707
Maximum of Logged Data	7.496	SD of logged Data	1.028

Assuming Lognormal Distribution

95% H-UCL	227.3	90% Chebyshev (MVUE) UCL	245
95% Chebyshev (MVUE) UCL	271.3	97.5% Chebyshev (MVUE) UCL	307.8
99% Chebyshev (MVUE) UCL	379.5		

Nonparametric Distribution Free UCL Statistics

Data do not follow a Discernible Distribution (0.05)

Nonparametric Distribution Free UCLs

95% CLT UCL	211	95% Jackknife UCL	211.2
95% Standard Bootstrap UCL	210.8	95% Bootstrap-t UCL	225.8
95% Hall's Bootstrap UCL	248.5	95% Percentile Bootstrap UCL	212.3
95% BCA Bootstrap UCL	222.7		

90% Chebyshev(Mean, Sd) UCL	237.6	95% Chebyshev(Mean, Sd) UCL	264.3
97.5% Chebyshev(Mean, Sd) UCL	301.4	99% Chebyshev(Mean, Sd) UCL	374.2

Suggested UCL to Use

95% Chebyshev (Mean, Sd) UCL	264.3

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
Recommendations are based upon data size, data distribution, and skewness.
These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).
However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

OrigResult (beryllium)

General Statistics

Total Number of Observations	68	Number of Distinct Observations	61
		Number of Missing Observations	0
Minimum	0.246	Mean	0.367
Maximum	0.96	Median	0.335
SD	0.117	Std. Error of Mean	0.0142
Coefficient of Variation	0.32	Skewness	2.238

Normal GOF Test

Shapiro Wilk Test Statistic	0.811	**Shapiro Wilk GOF Test**
5% Shapiro Wilk P Value	8.555E-12	Data Not Normal at 5% Significance Level
Lilliefors Test Statistic	0.17	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.107	Data Not Normal at 5% Significance Level

Data Not Normal at 5% Significance Level

Assuming Normal Distribution

95% Normal UCL		**95% UCLs (Adjusted for Skewness)**	
95% Student's-t UCL	0.391	95% Adjusted-CLT UCL (Chen-1995)	0.395
		95% Modified-t UCL (Johnson-1978)	0.391

Gamma GOF Test

A-D Test Statistic	1.953	**Anderson-Darling Gamma GOF Test**
5% A-D Critical Value	0.75	Data Not Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.138	**Kolmogorov-Smirnov Gamma GOF Test**
5% K-S Critical Value	0.108	Data Not Gamma Distributed at 5% Significance Level

Data Not Gamma Distributed at 5% Significance Level

Gamma Statistics

k hat (MLE)	12.66	k star (bias corrected MLE)	12.11
Theta hat (MLE)	0.029	Theta star (bias corrected MLE)	0.0303
nu hat (MLE)	1722	nu star (bias corrected)	1647
MLE Mean (bias corrected)	0.367	MLE Sd (bias corrected)	0.105
		Approximate Chi Square Value (0.05)	1554
Adjusted Level of Significance	0.0465	Adjusted Chi Square Value	1552

Assuming Gamma Distribution

95% Approximate Gamma UCL (use when n>=50))	0.389	95% Adjusted Gamma UCL (use when n<50)	0.389

Lognormal GOF Test

Shapiro Wilk Test Statistic	0.912	**Shapiro Wilk Lognormal GOF Test**	
5% Shapiro Wilk P Value	5.6910E-5	Data Not Lognormal at 5% Significance Level	
Lilliefors Test Statistic	0.134	**Lilliefors Lognormal GOF Test**	
5% Lilliefors Critical Value	0.107	Data Not Lognormal at 5% Significance Level	

Data Not Lognormal at 5% Significance Level

Lognormal Statistics

Minimum of Logged Data	-1.402	Mean of logged Data	-1.042
Maximum of Logged Data	-0.0408	SD of logged Data	0.272

Assuming Lognormal Distribution

95% H-UCL	0.388	90% Chebyshev (MVUE) UCL	0.402
95% Chebyshev (MVUE) UCL	0.419	97.5% Chebyshev (MVUE) UCL	0.442
99% Chebyshev (MVUE) UCL	0.488		

Nonparametric Distribution Free UCL Statistics

Data do not follow a Discernible Distribution (0.05)

Nonparametric Distribution Free UCLs

95% CLT UCL	0.39	95% Jackknife UCL	0.391
95% Standard Bootstrap UCL	0.39	95% Bootstrap-t UCL	0.397
95% Hall's Bootstrap UCL	0.402	95% Percentile Bootstrap UCL	0.392
95% BCA Bootstrap UCL	0.395		
90% Chebyshev(Mean, Sd) UCL	0.41	95% Chebyshev(Mean, Sd) UCL	0.429
97.5% Chebyshev(Mean, Sd) UCL	0.456	99% Chebyshev(Mean, Sd) UCL	0.509

Suggested UCL to Use

95% Student's-t UCL	0.391	or 95% Modified-t UCL	0.391

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
Recommendations are based upon data size, data distribution, and skewness.
These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).
However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

OrigResult (cadmium)

General Statistics

Total Number of Observations	73	Number of Distinct Observations	62
		Number of Missing Observations	0
Minimum	0.496	Mean	1.995
Maximum	10.2	Median	0.814
SD	2.509	Std. Error of Mean	0.294
Coefficient of Variation	1.258	Skewness	2.086

Normal GOF Test

Shapiro Wilk Test Statistic	0.621	**Shapiro Wilk GOF Test**

5% Shapiro Wilk P Value	0	Data Not Normal at 5% Significance Level	
Lilliefors Test Statistic	0.349	**Lilliefors GOF Test**	
5% Lilliefors Critical Value	0.104	Data Not Normal at 5% Significance Level	

Data Not Normal at 5% Significance Level

Assuming Normal Distribution

95% Normal UCL		**95% UCLs (Adjusted for Skewness)**	
95% Student's-t UCL	2.485	95% Adjusted-CLT UCL (Chen-1995)	2.555
		95% Modified-t UCL (Johnson-1978)	2.497

Gamma GOF Test

A-D Test Statistic	7.727	**Anderson-Darling Gamma GOF Test**	
5% A-D Critical Value	0.778	Data Not Gamma Distributed at 5% Significance Level	
K-S Test Statistic	0.3	**Kolmogorov-Smirnov Gamma GOF Test**	
5% K-S Critical Value	0.107	Data Not Gamma Distributed at 5% Significance Level	

Data Not Gamma Distributed at 5% Significance Level

Gamma Statistics

k hat (MLE)	1.107	k star (bias corrected MLE)	1.071
Theta hat (MLE)	1.803	Theta star (bias corrected MLE)	1.864
nu hat (MLE)	161.6	nu star (bias corrected)	156.3
MLE Mean (bias corrected)	1.995	MLE Sd (bias corrected)	1.928
		Approximate Chi Square Value (0.05)	128.4
Adjusted Level of Significance	0.0467	Adjusted Chi Square Value	127.9

Assuming Gamma Distribution

95% Approximate Gamma UCL (use when n>=50))	2.429	95% Adjusted Gamma UCL (use when n<50)	2.438

Lognormal GOF Test

Shapiro Wilk Test Statistic	0.787	**Shapiro Wilk Lognormal GOF Test**	
5% Shapiro Wilk P Value	1.332E-14	Data Not Lognormal at 5% Significance Level	
Lilliefors Test Statistic	0.239	**Lilliefors Lognormal GOF Test**	
5% Lilliefors Critical Value	0.104	Data Not Lognormal at 5% Significance Level	

Data Not Lognormal at 5% Significance Level

Lognormal Statistics

Minimum of Logged Data	-0.701	Mean of logged Data	0.175
Maximum of Logged Data	2.322	SD of logged Data	0.917

Assuming Lognormal Distribution

95% H-UCL	2.296	90% Chebyshev (MVUE) UCL	2.475
95% Chebyshev (MVUE) UCL	2.78	97.5% Chebyshev (MVUE) UCL	3.204
99% Chebyshev (MVUE) UCL	4.037		

Nonparametric Distribution Free UCL Statistics

Data do not follow a Discernible Distribution (0.05)

Nonparametric Distribution Free UCLs

95% CLT UCL	2.478	95% Jackknife UCL	2.485
95% Standard Bootstrap UCL	2.457	95% Bootstrap-t UCL	2.615

95% Hall's Bootstrap UCL	2.55	95% Percentile Bootstrap UCL	2.538
95% BCA Bootstrap UCL	2.61		
90% Chebyshev(Mean, Sd) UCL	2.876	95% Chebyshev(Mean, Sd) UCL	3.275
97.5% Chebyshev(Mean, Sd) UCL	3.829	99% Chebyshev(Mean, Sd) UCL	4.917

Suggested UCL to Use

95% Chebyshev (Mean, Sd) UCL	3.275

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
Recommendations are based upon data size, data distribution, and skewness.
These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).
However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

OrigResult (chromium)

General Statistics

Total Number of Observations	147	Number of Distinct Observations	133
		Number of Missing Observations	0
Minimum	4.42	Mean	222.8
Maximum	1200	Median	155
SD	229.9	Std. Error of Mean	18.96
Coefficient of Variation	1.032	Skewness	2.09

Normal GOF Test

Shapiro Wilk Test Statistic	0.774	**Shapiro Wilk GOF Test**
5% Shapiro Wilk P Value	0	Data Not Normal at 5% Significance Level
Lilliefors Test Statistic	0.177	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.0735	Data Not Normal at 5% Significance Level

Data Not Normal at 5% Significance Level

Assuming Normal Distribution

95% Normal UCL		**95% UCLs (Adjusted for Skewness)**	
95% Student's-t UCL	254.2	95% Adjusted-CLT UCL (Chen-1995)	257.5
		95% Modified-t UCL (Johnson-1978)	254.7

Gamma GOF Test

A-D Test Statistic	0.884	**Anderson-Darling Gamma GOF Test**
5% A-D Critical Value	0.78	Data Not Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.078	**Kolmogorov-Smirnov Gamma GOF Test**
5% K-S Critical Value	0.0794	Detected data appear Gamma Distributed at 5% Significance Level

Detected data follow Appr. Gamma Distribution at 5% Significance Level

Gamma Statistics

k hat (MLE)	1.14	k star (bias corrected MLE)	1.122
Theta hat (MLE)	195.3	Theta star (bias corrected MLE)	198.6
nu hat (MLE)	335.3	nu star (bias corrected)	329.8
MLE Mean (bias corrected)	222.8	MLE Sd (bias corrected)	210.3
		Approximate Chi Square Value (0.05)	288.7
Adjusted Level of Significance	0.0484	Adjusted Chi Square Value	288.3

Assuming Gamma Distribution

95% Approximate Gamma UCL (use when n>=50)	254.5	95% Adjusted Gamma UCL (use when n<50)	254.8

Lognormal GOF Test

Shapiro Wilk Test Statistic	0.974	**Shapiro Wilk Lognormal GOF Test**
5% Shapiro Wilk P Value	0.151	Data appear Lognormal at 5% Significance Level
Lilliefors Test Statistic	0.0753	**Lilliefors Lognormal GOF Test**
5% Lilliefors Critical Value	0.0735	Data Not Lognormal at 5% Significance Level

Data appear Approximate Lognormal at 5% Significance Level

Lognormal Statistics

Minimum of Logged Data	1.486	Mean of logged Data	4.907
Maximum of Logged Data	7.09	SD of logged Data	1.075

Assuming Lognormal Distribution

95% H-UCL	295.1	90% Chebyshev (MVUE) UCL	318.3
95% Chebyshev (MVUE) UCL	354	97.5% Chebyshev (MVUE) UCL	403.5
99% Chebyshev (MVUE) UCL	500.7		

Nonparametric Distribution Free UCL Statistics

Data appear to follow a Discernible Distribution at 5% Significance Level

Nonparametric Distribution Free UCLs

95% CLT UCL	254	95% Jackknife UCL	254.2
95% Standard Bootstrap UCL	253.2	95% Bootstrap-t UCL	256.7
95% Hall's Bootstrap UCL	259.3	95% Percentile Bootstrap UCL	253.6
95% BCA Bootstrap UCL	260.9		
90% Chebyshev(Mean, Sd) UCL	279.7	95% Chebyshev(Mean, Sd) UCL	305.4
97.5% Chebyshev(Mean, Sd) UCL	341.2	99% Chebyshev(Mean, Sd) UCL	411.4

Suggested UCL to Use

95% Approximate Gamma UCL	254.5

When a data set follows an approximate (e.g., normal) distribution passing one of the GOF test
When applicable, it is suggested to use a UCL based upon a distribution (e.g., gamma) passing both GOF tests in ProUCL

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
Recommendations are based upon data size, data distribution, and skewness.
These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).
However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

OrigResult (cobalt)

General Statistics

Total Number of Observations	146	Number of Distinct Observations	117
		Number of Missing Observations	0
Minimum	4	Mean	29.91
Maximum	106	Median	25.95

SD	19.14	Std. Error of Mean	1.584
Coefficient of Variation	0.64	Skewness	1.407

Normal GOF Test

Shapiro Wilk Test Statistic	0.882	**Shapiro Wilk GOF Test**
5% Shapiro Wilk P Value	0	Data Not Normal at 5% Significance Level
Lilliefors Test Statistic	0.134	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.0737	Data Not Normal at 5% Significance Level

Data Not Normal at 5% Significance Level

Assuming Normal Distribution

95% Normal UCL		**95% UCLs (Adjusted for Skewness)**	
95% Student's-t UCL	32.53	95% Adjusted-CLT UCL (Chen-1995)	32.71
		95% Modified-t UCL (Johnson-1978)	32.56

Gamma GOF Test

A-D Test Statistic	0.445	**Anderson-Darling Gamma GOF Test**
5% A-D Critical Value	0.761	Detected data appear Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.057	**Kolmogorov-Smirnov Gamma GOF Test**
5% K-S Critical Value	0.0783	Detected data appear Gamma Distributed at 5% Significance Level

Detected data appear Gamma Distributed at 5% Significance Level

Gamma Statistics

k hat (MLE)	2.697	k star (bias corrected MLE)	2.646
Theta hat (MLE)	11.09	Theta star (bias corrected MLE)	11.3
nu hat (MLE)	787.5	nu star (bias corrected)	772.6
MLE Mean (bias corrected)	29.91	MLE Sd (bias corrected)	18.39
		Approximate Chi Square Value (0.05)	709.1
Adjusted Level of Significance	0.0484	Adjusted Chi Square Value	708.5

Assuming Gamma Distribution

95% Approximate Gamma UCL (use when n>=50)	32.58	95% Adjusted Gamma UCL (use when n<50)	32.61

Lognormal GOF Test

Shapiro Wilk Test Statistic	0.975	**Shapiro Wilk Lognormal GOF Test**
5% Shapiro Wilk P Value	0.191	Data appear Lognormal at 5% Significance Level
Lilliefors Test Statistic	0.0681	**Lilliefors Lognormal GOF Test**
5% Lilliefors Critical Value	0.0737	Data appear Lognormal at 5% Significance Level

Data appear Lognormal at 5% Significance Level

Lognormal Statistics

Minimum of Logged Data	1.386	Mean of logged Data	3.201
Maximum of Logged Data	4.663	SD of logged Data	0.651

Assuming Lognormal Distribution

95% H-UCL	33.68	90% Chebyshev (MVUE) UCL	35.66
95% Chebyshev (MVUE) UCL	38.09	97.5% Chebyshev (MVUE) UCL	41.46
99% Chebyshev (MVUE) UCL	48.07		

Nonparametric Distribution Free UCL Statistics

ATTACHMENT TABLE A-1
PROUCL OUTPUT - METALS AND CYANIDE
Tank Farm Area
Potrero Power Station, San Francisco, CA

Data appear to follow a Discernible Distribution at 5% Significance Level

Nonparametric Distribution Free UCLs

95% CLT UCL	32.51	95% Jackknife UCL	32.53
95% Standard Bootstrap UCL	32.46	95% Bootstrap-t UCL	32.79
95% Hall's Bootstrap UCL	32.76	95% Percentile Bootstrap UCL	32.64
95% BCA Bootstrap UCL	32.86		
90% Chebyshev(Mean, Sd) UCL	34.66	95% Chebyshev(Mean, Sd) UCL	36.81
97.5% Chebyshev(Mean, Sd) UCL	39.8	99% Chebyshev(Mean, Sd) UCL	45.67

Suggested UCL to Use

95% Approximate Gamma UCL	32.58

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
Recommendations are based upon data size, data distribution, and skewness.
These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).
However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

OrigResult (copper)

General Statistics

Total Number of Observations	147	Number of Distinct Observations	126
		Number of Missing Observations	0
Minimum	4.9	Mean	47.67
Maximum	417	Median	40
SD	43.34	Std. Error of Mean	3.574
Coefficient of Variation	0.909	Skewness	4.97

Normal GOF Test

Shapiro Wilk Test Statistic	0.656	**Shapiro Wilk GOF Test**
5% Shapiro Wilk P Value	0	Data Not Normal at 5% Significance Level
Lilliefors Test Statistic	0.167	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.0735	Data Not Normal at 5% Significance Level

Data Not Normal at 5% Significance Level

Assuming Normal Distribution

95% Normal UCL		**95% UCLs (Adjusted for Skewness)**	
95% Student's-t UCL	53.58	95% Adjusted-CLT UCL (Chen-1995)	55.11
		95% Modified-t UCL (Johnson-1978)	53.83

Gamma GOF Test

A-D Test Statistic	0.978	**Anderson-Darling Gamma GOF Test**
5% A-D Critical Value	0.765	Data Not Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.0655	**Kolmogorov-Smirnov Gamma GOF Test**
5% K-S Critical Value	0.0783	Detected data appear Gamma Distributed at 5% Significance Level

Detected data follow Appr. Gamma Distribution at 5% Significance Level

Gamma Statistics

k hat (MLE)	2.032	k star (bias corrected MLE)	1.995

ATTACHMENT TABLE A-1
PROUCL OUTPUT - METALS AND CYANIDE
Tank Farm Area
Potrero Power Station, San Francisco, CA

Theta hat (MLE)	23.46	Theta star (bias corrected MLE)	23.89
nu hat (MLE)	597.4	nu star (bias corrected)	586.6
MLE Mean (bias corrected)	47.67	MLE Sd (bias corrected)	33.75
		Approximate Chi Square Value (0.05)	531.4
Adjusted Level of Significance	0.0484	Adjusted Chi Square Value	530.9

Assuming Gamma Distribution

95% Approximate Gamma UCL (use when n>=50)	52.61	95% Adjusted Gamma UCL (use when n<50)	52.67

Lognormal GOF Test

Shapiro Wilk Test Statistic	0.961	**Shapiro Wilk Lognormal GOF Test**
5% Shapiro Wilk P Value	0.00377	Data Not Lognormal at 5% Significance Level
Lilliefors Test Statistic	0.0866	**Lilliefors Lognormal GOF Test**
5% Lilliefors Critical Value	0.0735	Data Not Lognormal at 5% Significance Level

Data Not Lognormal at 5% Significance Level

Lognormal Statistics

Minimum of Logged Data	1.589	Mean of logged Data	3.598
Maximum of Logged Data	6.033	SD of logged Data	0.753

Assuming Lognormal Distribution

95% H-UCL	54.92	90% Chebyshev (MVUE) UCL	58.5
95% Chebyshev (MVUE) UCL	63.09	97.5% Chebyshev (MVUE) UCL	69.45
99% Chebyshev (MVUE) UCL	81.95		

Nonparametric Distribution Free UCL Statistics

Data appear to follow a Discernible Distribution at 5% Significance Level

Nonparametric Distribution Free UCLs

95% CLT UCL	53.54	95% Jackknife UCL	53.58
95% Standard Bootstrap UCL	53.56	95% Bootstrap-t UCL	56.66
95% Hall's Bootstrap UCL	60.7	95% Percentile Bootstrap UCL	54.03
95% BCA Bootstrap UCL	54.97		
90% Chebyshev(Mean, Sd) UCL	58.39	95% Chebyshev(Mean, Sd) UCL	63.25
97.5% Chebyshev(Mean, Sd) UCL	69.99	99% Chebyshev(Mean, Sd) UCL	83.23

Suggested UCL to Use

95% Approximate Gamma UCL	52.61

When a data set follows an approximate (e.g., normal) distribution passing one of the GOF test

When applicable, it is suggested to use a UCL based upon a distribution (e.g., gamma) passing both GOF tests in ProUCL

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

Recommendations are based upon data size, data distribution, and skewness.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

OrigResult (lead)

ATTACHMENT TABLE A-1
PROUCL OUTPUT - METALS AND CYANIDE
Tank Farm Area
Potrero Power Station, San Francisco, CA

General Statistics

Total Number of Observations	160	Number of Distinct Observations	146
		Number of Missing Observations	0
Minimum	0.525	Mean	131.4
Maximum	3080	Median	36.6
SD	362.8	Std. Error of Mean	28.68
Coefficient of Variation	2.76	Skewness	5.829

Normal GOF Test

Shapiro Wilk Test Statistic	0.364	**Shapiro Wilk GOF Test**
5% Shapiro Wilk P Value	0	Data Not Normal at 5% Significance Level
Lilliefors Test Statistic	0.359	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.0704	Data Not Normal at 5% Significance Level

Data Not Normal at 5% Significance Level

Assuming Normal Distribution

95% Normal UCL		**95% UCLs (Adjusted for Skewness)**	
95% Student's-t UCL	178.9	95% Adjusted-CLT UCL (Chen-1995)	192.8
		95% Modified-t UCL (Johnson-1978)	181.1

Gamma GOF Test

A-D Test Statistic	4.11	**Anderson-Darling Gamma GOF Test**
5% A-D Critical Value	0.837	Data Not Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.125	**Kolmogorov-Smirnov Gamma GOF Test**
5% K-S Critical Value	0.079	Data Not Gamma Distributed at 5% Significance Level

Data Not Gamma Distributed at 5% Significance Level

Gamma Statistics

k hat (MLE)	0.429	k star (bias corrected MLE)	0.425
Theta hat (MLE)	306.6	Theta star (bias corrected MLE)	309.4
nu hat (MLE)	137.2	nu star (bias corrected)	135.9
MLE Mean (bias corrected)	131.4	MLE Sd (bias corrected)	201.7
		Approximate Chi Square Value (0.05)	110
Adjusted Level of Significance	0.0485	Adjusted Chi Square Value	109.8

Assuming Gamma Distribution

95% Approximate Gamma UCL (use when n>=50))	162.4	95% Adjusted Gamma UCL (use when n<50)	162.8

Lognormal GOF Test

Shapiro Wilk Test Statistic	0.961	**Shapiro Wilk Lognormal GOF Test**
5% Shapiro Wilk P Value	0.00212	Data Not Lognormal at 5% Significance Level
Lilliefors Test Statistic	0.0772	**Lilliefors Lognormal GOF Test**
5% Lilliefors Critical Value	0.0704	Data Not Lognormal at 5% Significance Level

Data Not Lognormal at 5% Significance Level

Lognormal Statistics

Minimum of Logged Data	-0.644	Mean of logged Data	3.361
Maximum of Logged Data	8.033	SD of logged Data	1.866

Assuming Lognormal Distribution

95% H-UCL	261.7	90% Chebyshev (MVUE) UCL	270.6
95% Chebyshev (MVUE) UCL	320.8	97.5% Chebyshev (MVUE) UCL	390.6
99% Chebyshev (MVUE) UCL	527.6		

Nonparametric Distribution Free UCL Statistics

Data do not follow a Discernible Distribution (0.05)

Nonparametric Distribution Free UCLs

95% CLT UCL	178.6	95% Jackknife UCL	178.9
95% Standard Bootstrap UCL	178	95% Bootstrap-t UCL	208.6
95% Hall's Bootstrap UCL	209.1	95% Percentile Bootstrap UCL	182.6
95% BCA Bootstrap UCL	195.5		
90% Chebyshev(Mean, Sd) UCL	217.5	95% Chebyshev(Mean, Sd) UCL	256.5
97.5% Chebyshev(Mean, Sd) UCL	310.6	99% Chebyshev(Mean, Sd) UCL	416.9

Suggested UCL to Use

95% Chebyshev (Mean, Sd) UCL	256.5

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
Recommendations are based upon data size, data distribution, and skewness.
These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).
However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

OrigResult (mercury)

General Statistics

Total Number of Observations	98	Number of Distinct Observations	86
		Number of Missing Observations	0
Minimum	0.03	Mean	0.859
Maximum	9.72	Median	0.3
SD	1.693	Std. Error of Mean	0.171
Coefficient of Variation	1.971	Skewness	3.966

Normal GOF Test

Shapiro Wilk Test Statistic	0.464	**Shapiro Wilk GOF Test**
5% Shapiro Wilk P Value	0	Data Not Normal at 5% Significance Level
Lilliefors Test Statistic	0.312	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.0897	Data Not Normal at 5% Significance Level

Data Not Normal at 5% Significance Level

Assuming Normal Distribution

95% Normal UCL		**95% UCLs (Adjusted for Skewness)**	
95% Student's-t UCL	1.143	95% Adjusted-CLT UCL (Chen-1995)	1.213
		95% Modified-t UCL (Johnson-1978)	1.154

Gamma GOF Test

A-D Test Statistic	5.748	**Anderson-Darling Gamma GOF Test**
5% A-D Critical Value	0.797	Data Not Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.187	**Kolmogorov-Smirnov Gamma GOF Test**

ATTACHMENT TABLE A-1
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Tank Farm Area
Potrero Power Station, San Francisco, CA

5% K-S Critical Value	0.0941	Data Not Gamma Distributed at 5% Significance Level	

Data Not Gamma Distributed at 5% Significance Level

Gamma Statistics

k hat (MLE)	0.723	k star (bias corrected MLE)	0.708
Theta hat (MLE)	1.187	Theta star (bias corrected MLE)	1.213
nu hat (MLE)	141.8	nu star (bias corrected)	138.8
MLE Mean (bias corrected)	0.859	MLE Sd (bias corrected)	1.02
		Approximate Chi Square Value (0.05)	112.5
Adjusted Level of Significance	0.0476	Adjusted Chi Square Value	112.2

Assuming Gamma Distribution

95% Approximate Gamma UCL (use when n>=50))	1.059	95% Adjusted Gamma UCL (use when n<50)	1.062

Lognormal GOF Test

Shapiro Wilk Test Statistic	0.947	**Shapiro Wilk Lognormal GOF Test**
5% Shapiro Wilk P Value	0.0014	Data Not Lognormal at 5% Significance Level
Lilliefors Test Statistic	0.0894	**Lilliefors Lognormal GOF Test**
5% Lilliefors Critical Value	0.0897	Data appear Lognormal at 5% Significance Level

Data appear Approximate Lognormal at 5% Significance Level

Lognormal Statistics

Minimum of Logged Data	-3.507	Mean of logged Data	-0.984
Maximum of Logged Data	2.274	SD of logged Data	1.159

Assuming Lognormal Distribution

95% H-UCL	0.972	90% Chebyshev (MVUE) UCL	1.042
95% Chebyshev (MVUE) UCL	1.187	97.5% Chebyshev (MVUE) UCL	1.387
99% Chebyshev (MVUE) UCL	1.781		

Nonparametric Distribution Free UCL Statistics

Data appear to follow a Discernible Distribution at 5% Significance Level

Nonparametric Distribution Free UCLs

95% CLT UCL	1.14	95% Jackknife UCL	1.143
95% Standard Bootstrap UCL	1.137	95% Bootstrap-t UCL	1.286
95% Hall's Bootstrap UCL	1.175	95% Percentile Bootstrap UCL	1.159
95% BCA Bootstrap UCL	1.266		
90% Chebyshev(Mean, Sd) UCL	1.372	95% Chebyshev(Mean, Sd) UCL	1.604
97.5% Chebyshev(Mean, Sd) UCL	1.926	99% Chebyshev(Mean, Sd) UCL	2.56

Suggested UCL to Use

95% H-UCL	0.972

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
Recommendations are based upon data size, data distribution, and skewness.
These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).
However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

ProUCL computes and outputs H-statistic based UCLs for historical reasons only.

ATTACHMENT TABLE A-1
PROUCL OUTPUT - METALS AND CYANIDE
Tank Farm Area
Potrero Power Station, San Francisco, CA

H-statistic often results in unstable (both high and low) values of UCL95 as shown in examples in the Technical Guide.
It is therefore recommended to avoid the use of H-statistic based 95% UCLs.
Use of nonparametric methods are preferred to compute UCL95 for skewed data sets which do not follow a gamma distribution.

OrigResult (molybdenum)

General Statistics

Total Number of Observations	23	Number of Distinct Observations	20
		Number of Missing Observations	0
Minimum	0.243	Mean	3.521
Maximum	20	Median	0.751
SD	6.03	Std. Error of Mean	1.257
Coefficient of Variation	1.713	Skewness	2.087

Normal GOF Test

Shapiro Wilk Test Statistic	0.583	**Shapiro Wilk GOF Test**
5% Shapiro Wilk Critical Value	0.914	Data Not Normal at 5% Significance Level
Lilliefors Test Statistic	0.396	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.18	Data Not Normal at 5% Significance Level

Data Not Normal at 5% Significance Level

Assuming Normal Distribution

95% Normal UCL		**95% UCLs (Adjusted for Skewness)**	
95% Student's-t UCL	5.68	95% Adjusted-CLT UCL (Chen-1995)	6.173
		95% Modified-t UCL (Johnson-1978)	5.771

Gamma GOF Test

A-D Test Statistic	2.537	**Anderson-Darling Gamma GOF Test**
5% A-D Critical Value	0.8	Data Not Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.287	**Kolmogorov-Smirnov Gamma GOF Test**
5% K-S Critical Value	0.191	Data Not Gamma Distributed at 5% Significance Level

Data Not Gamma Distributed at 5% Significance Level

Gamma Statistics

k hat (MLE)	0.555	k star (bias corrected MLE)	0.512
Theta hat (MLE)	6.343	Theta star (bias corrected MLE)	6.881
nu hat (MLE)	25.53	nu star (bias corrected)	23.54
MLE Mean (bias corrected)	3.521	MLE Sd (bias corrected)	4.922
		Approximate Chi Square Value (0.05)	13.5
Adjusted Level of Significance	0.0389	Adjusted Chi Square Value	12.95

Assuming Gamma Distribution

95% Approximate Gamma UCL (use when n>=50))	6.14	95% Adjusted Gamma UCL (use when n<50)	6.401

Lognormal GOF Test

Shapiro Wilk Test Statistic	0.84	**Shapiro Wilk Lognormal GOF Test**
5% Shapiro Wilk Critical Value	0.914	Data Not Lognormal at 5% Significance Level
Lilliefors Test Statistic	0.195	**Lilliefors Lognormal GOF Test**
5% Lilliefors Critical Value	0.18	Data Not Lognormal at 5% Significance Level

Data Not Lognormal at 5% Significance Level

Lognormal Statistics

Minimum of Logged Data	-1.415	Mean of logged Data	0.133
Maximum of Logged Data	2.996	SD of logged Data	1.413

Assuming Lognormal Distribution

95% H-UCL	7.922	90% Chebyshev (MVUE) UCL	5.923
95% Chebyshev (MVUE) UCL	7.307	97.5% Chebyshev (MVUE) UCL	9.229
99% Chebyshev (MVUE) UCL	13		

Nonparametric Distribution Free UCL Statistics

Data do not follow a Discernible Distribution (0.05)

Nonparametric Distribution Free UCLs

95% CLT UCL	5.589	95% Jackknife UCL	5.68
95% Standard Bootstrap UCL	5.53	95% Bootstrap-t UCL	6.913
95% Hall's Bootstrap UCL	6.2	95% Percentile Bootstrap UCL	5.689
95% BCA Bootstrap UCL	6.128		
90% Chebyshev(Mean, Sd) UCL	7.293	95% Chebyshev(Mean, Sd) UCL	9.001
97.5% Chebyshev(Mean, Sd) UCL	11.37	99% Chebyshev(Mean, Sd) UCL	16.03

Suggested UCL to Use

95% Chebyshev (Mean, Sd) UCL	9.001

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
Recommendations are based upon data size, data distribution, and skewness.
These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).
However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

OrigResult (nickel)

General Statistics

Total Number of Observations	147	Number of Distinct Observations	131
		Number of Missing Observations	0
Minimum	7.24	Mean	428.2
Maximum	4460	Median	210
SD	545.1	Std. Error of Mean	44.96
Coefficient of Variation	1.273	Skewness	3.489

Normal GOF Test

Shapiro Wilk Test Statistic	0.7	**Shapiro Wilk GOF Test**
5% Shapiro Wilk P Value	0	Data Not Normal at 5% Significance Level
Lilliefors Test Statistic	0.22	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.0735	Data Not Normal at 5% Significance Level

Data Not Normal at 5% Significance Level

Assuming Normal Distribution

95% Normal UCL **95% UCLs (Adjusted for Skewness)**

95% Student's-t UCL	502.6	95% Adjusted-CLT UCL (Chen-1995)	515.9
		95% Modified-t UCL (Johnson-1978)	504.7

Gamma GOF Test

A-D Test Statistic	1.473	**Anderson-Darling Gamma GOF Test**
5% A-D Critical Value	0.789	Data Not Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.0999	**Kolmogorov-Smirnov Gamma GOF Test**
5% K-S Critical Value	0.08	Data Not Gamma Distributed at 5% Significance Level

Data Not Gamma Distributed at 5% Significance Level

Gamma Statistics

k hat (MLE)	0.886	k star (bias corrected MLE)	0.872
Theta hat (MLE)	483.4	Theta star (bias corrected MLE)	490.9
nu hat (MLE)	260.4	nu star (bias corrected)	256.4
MLE Mean (bias corrected)	428.2	MLE Sd (bias corrected)	458.5
		Approximate Chi Square Value (0.05)	220.3
Adjusted Level of Significance	0.0484	Adjusted Chi Square Value	220

Assuming Gamma Distribution

95% Approximate Gamma UCL (use when n>=50))	498.3	95% Adjusted Gamma UCL (use when n<50)	499

Lognormal GOF Test

Shapiro Wilk Test Statistic	0.978	**Shapiro Wilk Lognormal GOF Test**
5% Shapiro Wilk P Value	0.294	Data appear Lognormal at 5% Significance Level
Lilliefors Test Statistic	0.0697	**Lilliefors Lognormal GOF Test**
5% Lilliefors Critical Value	0.0735	Data appear Lognormal at 5% Significance Level

Data appear Lognormal at 5% Significance Level

Lognormal Statistics

Minimum of Logged Data	1.98	Mean of logged Data	5.398
Maximum of Logged Data	8.403	SD of logged Data	1.227

Assuming Lognormal Distribution

95% H-UCL	599.9	90% Chebyshev (MVUE) UCL	647.8
95% Chebyshev (MVUE) UCL	730.6	97.5% Chebyshev (MVUE) UCL	845.5
99% Chebyshev (MVUE) UCL	1071		

Nonparametric Distribution Free UCL Statistics

Data appear to follow a Discernible Distribution at 5% Significance Level

Nonparametric Distribution Free UCLs

95% CLT UCL	502.1	95% Jackknife UCL	502.6
95% Standard Bootstrap UCL	500.7	95% Bootstrap-t UCL	518.5
95% Hall's Bootstrap UCL	535.9	95% Percentile Bootstrap UCL	500.5
95% BCA Bootstrap UCL	514.6		
90% Chebyshev(Mean, Sd) UCL	563	95% Chebyshev(Mean, Sd) UCL	624.1
97.5% Chebyshev(Mean, Sd) UCL	708.9	99% Chebyshev(Mean, Sd) UCL	875.5

Suggested UCL to Use

95% H-UCL	599.9

ATTACHMENT TABLE A-1
PROUCL OUTPUT - METALS AND CYANIDE
Tank Farm Area
Potrero Power Station, San Francisco, CA

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
Recommendations are based upon data size, data distribution, and skewness.
These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).
However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

ProUCL computes and outputs H-statistic based UCLs for historical reasons only.
H-statistic often results in unstable (both high and low) values of UCL95 as shown in examples in the Technical Guide.
It is therefore recommended to avoid the use of H-statistic based 95% UCLs.
Use of nonparametric methods are preferred to compute UCL95 for skewed data sets which do not follow a gamma distribution.

OrigResult (thallium)

General Statistics

Total Number of Observations	43	Number of Distinct Observations	38
		Number of Missing Observations	0
Minimum	0.771	Mean	1.334
Maximum	4.93	Median	1.18
SD	0.674	Std. Error of Mean	0.103
Coefficient of Variation	0.505	Skewness	3.826

Normal GOF Test

Shapiro Wilk Test Statistic	0.651	**Shapiro Wilk GOF Test**
5% Shapiro Wilk Critical Value	0.943	Data Not Normal at 5% Significance Level
Lilliefors Test Statistic	0.205	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.134	Data Not Normal at 5% Significance Level

Data Not Normal at 5% Significance Level

Assuming Normal Distribution

95% Normal UCL		**95% UCLs (Adjusted for Skewness)**	
95% Student's-t UCL	1.507	95% Adjusted-CLT UCL (Chen-1995)	1.567
		95% Modified-t UCL (Johnson-1978)	1.517

Gamma GOF Test

A-D Test Statistic	1.336	**Anderson-Darling Gamma GOF Test**
5% A-D Critical Value	0.751	Data Not Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.131	**Kolmogorov-Smirnov Gamma GOF Test**
5% K-S Critical Value	0.135	Detected data appear Gamma Distributed at 5% Significance Level

Detected data follow Appr. Gamma Distribution at 5% Significance Level

Gamma Statistics

k hat (MLE)	6.854	k star (bias corrected MLE)	6.391
Theta hat (MLE)	0.195	Theta star (bias corrected MLE)	0.209
nu hat (MLE)	589.4	nu star (bias corrected)	549.6
MLE Mean (bias corrected)	1.334	MLE Sd (bias corrected)	0.528
		Approximate Chi Square Value (0.05)	496.3
Adjusted Level of Significance	0.0444	Adjusted Chi Square Value	494.5

Assuming Gamma Distribution

95% Approximate Gamma UCL (use when n>=50)	1.477	95% Adjusted Gamma UCL (use when n<50)	1.483

Lognormal GOF Test

Shapiro Wilk Test Statistic	0.904	**Shapiro Wilk Lognormal GOF Test**	
5% Shapiro Wilk Critical Value	0.943	Data Not Lognormal at 5% Significance Level	
Lilliefors Test Statistic	0.0959	**Lilliefors Lognormal GOF Test**	
5% Lilliefors Critical Value	0.134	Data appear Lognormal at 5% Significance Level	

Data appear Approximate Lognormal at 5% Significance Level

Lognormal Statistics

Minimum of Logged Data	-0.26	Mean of logged Data	0.213
Maximum of Logged Data	1.595	SD of logged Data	0.356

Assuming Lognormal Distribution

95% H-UCL	1.456	90% Chebyshev (MVUE) UCL	1.536
95% Chebyshev (MVUE) UCL	1.636	97.5% Chebyshev (MVUE) UCL	1.774
99% Chebyshev (MVUE) UCL	2.045		

Nonparametric Distribution Free UCL Statistics

Data appear to follow a Discernible Distribution at 5% Significance Level

Nonparametric Distribution Free UCLs

95% CLT UCL	1.503	95% Jackknife UCL	1.507
95% Standard Bootstrap UCL	1.502	95% Bootstrap-t UCL	1.621
95% Hall's Bootstrap UCL	2.276	95% Percentile Bootstrap UCL	1.523
95% BCA Bootstrap UCL	1.589		
90% Chebyshev(Mean, Sd) UCL	1.642	95% Chebyshev(Mean, Sd) UCL	1.782
97.5% Chebyshev(Mean, Sd) UCL	1.976	99% Chebyshev(Mean, Sd) UCL	2.357

Suggested UCL to Use

95% Adjusted Gamma UCL	1.483

When a data set follows an approximate (e.g., normal) distribution passing one of the GOF test
When applicable, it is suggested to use a UCL based upon a distribution (e.g., gamma) passing both GOF tests in ProUCL

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
Recommendations are based upon data size, data distribution, and skewness.
These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).
However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

OrigResult (vanadium)

General Statistics

Total Number of Observations	147	Number of Distinct Observations	124
		Number of Missing Observations	0
Minimum	5.58	Mean	84.98
Maximum	4260	Median	42.3
SD	348.5	Std. Error of Mean	28.75
Coefficient of Variation	4.102	Skewness	11.93

ATTACHMENT TABLE A-1
PROUCL OUTPUT - METALS AND CYANIDE
Tank Farm Area
Potrero Power Station, San Francisco, CA

Normal GOF Test

Shapiro Wilk Test Statistic	0.141	**Shapiro Wilk GOF Test**
5% Shapiro Wilk P Value	0	Data Not Normal at 5% Significance Level
Lilliefors Test Statistic	0.41	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.0735	Data Not Normal at 5% Significance Level

Data Not Normal at 5% Significance Level

Assuming Normal Distribution

95% Normal UCL		**95% UCLs (Adjusted for Skewness)**	
95% Student's-t UCL	132.6	95% Adjusted-CLT UCL (Chen-1995)	162.5
		95% Modified-t UCL (Johnson-1978)	137.3

Gamma GOF Test

A-D Test Statistic	6.803E+28	**Anderson-Darling Gamma GOF Test**
5% A-D Critical Value	0.783	Data Not Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.204	**Kolmogorov-Smirnov Gamma GOF Test**
5% K-S Critical Value	0.0796	Data Not Gamma Distributed at 5% Significance Level

Data Not Gamma Distributed at 5% Significance Level

Gamma Statistics

k hat (MLE)	1.024	k star (bias corrected MLE)	1.008
Theta hat (MLE)	82.98	Theta star (bias corrected MLE)	84.33
nu hat (MLE)	301.1	nu star (bias corrected)	296.3
MLE Mean (bias corrected)	84.98	MLE Sd (bias corrected)	84.65
		Approximate Chi Square Value (0.05)	257.4
Adjusted Level of Significance	0.0484	Adjusted Chi Square Value	257

Assuming Gamma Distribution

95% Approximate Gamma UCL (use when n>=50))	97.81	95% Adjusted Gamma UCL (use when n<50)	97.94

Lognormal GOF Test

Shapiro Wilk Test Statistic	0.917	**Shapiro Wilk Lognormal GOF Test**
5% Shapiro Wilk P Value	6.371E-11	Data Not Lognormal at 5% Significance Level
Lilliefors Test Statistic	0.109	**Lilliefors Lognormal GOF Test**
5% Lilliefors Critical Value	0.0735	Data Not Lognormal at 5% Significance Level

Data Not Lognormal at 5% Significance Level

Lognormal Statistics

Minimum of Logged Data	1.719	Mean of logged Data	3.88
Maximum of Logged Data	8.357	SD of logged Data	0.713

Assuming Lognormal Distribution

95% H-UCL	70.15	90% Chebyshev (MVUE) UCL	74.55
95% Chebyshev (MVUE) UCL	80.09	97.5% Chebyshev (MVUE) UCL	87.78
99% Chebyshev (MVUE) UCL	102.9		

Nonparametric Distribution Free UCL Statistics

Data do not follow a Discernible Distribution (0.05)

ATTACHMENT TABLE A-1
PROUCL OUTPUT - METALS AND CYANIDE
Tank Farm Area
Potrero Power Station, San Francisco, CA

Nonparametric Distribution Free UCLs

95% CLT UCL	132.3	95% Jackknife UCL	132.6
95% Standard Bootstrap UCL	132.4	95% Bootstrap-t UCL	419.2
95% Hall's Bootstrap UCL	334.5	95% Percentile Bootstrap UCL	139.9
95% BCA Bootstrap UCL	174		
90% Chebyshev(Mean, Sd) UCL	171.2	95% Chebyshev(Mean, Sd) UCL	210.3
97.5% Chebyshev(Mean, Sd) UCL	264.5	99% Chebyshev(Mean, Sd) UCL	371

Suggested UCL to Use

95% Chebyshev (Mean, Sd) UCL	210.3

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
Recommendations are based upon data size, data distribution, and skewness.
These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).
However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

OrigResult (zinc)

General Statistics

Total Number of Observations	147	Number of Distinct Observations	129
		Number of Missing Observations	0
Minimum	3.58	Mean	87.51
Maximum	720	Median	61.2
SD	98.08	Std. Error of Mean	8.089
Coefficient of Variation	1.121	Skewness	3.889

Normal GOF Test

Shapiro Wilk Test Statistic	0.588	**Shapiro Wilk GOF Test**
5% Shapiro Wilk P Value	0	Data Not Normal at 5% Significance Level
Lilliefors Test Statistic	0.246	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.0735	Data Not Normal at 5% Significance Level

Data Not Normal at 5% Significance Level

Assuming Normal Distribution

95% Normal UCL		**95% UCLs (Adjusted for Skewness)**	
95% Student's-t UCL	100.9	95% Adjusted-CLT UCL (Chen-1995)	103.6
		95% Modified-t UCL (Johnson-1978)	101.3

Gamma GOF Test

A-D Test Statistic	4.317	**Anderson-Darling Gamma GOF Test**
5% A-D Critical Value	0.769	Data Not Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.124	**Kolmogorov-Smirnov Gamma GOF Test**
5% K-S Critical Value	0.0786	Data Not Gamma Distributed at 5% Significance Level

Data Not Gamma Distributed at 5% Significance Level

Gamma Statistics

k hat (MLE)	1.676	k star (bias corrected MLE)	1.647
Theta hat (MLE)	52.21	Theta star (bias corrected MLE)	53.15
nu hat (MLE)	492.8	nu star (bias corrected)	484.1

ATTACHMENT TABLE A-1
PROUCL OUTPUT - METALS AND CYANIDE
Tank Farm Area
Potrero Power Station, San Francisco, CA

MLE Mean (bias corrected)	87.51	MLE Sd (bias corrected)	68.2
		Approximate Chi Square Value (0.05)	434.1
Adjusted Level of Significance	0.0484	Adjusted Chi Square Value	433.6

Assuming Gamma Distribution

95% Approximate Gamma UCL (use when n>=50))	97.59	95% Adjusted Gamma UCL (use when n<50)	97.7

Lognormal GOF Test

Shapiro Wilk Test Statistic	0.973	**Shapiro Wilk Lognormal GOF Test**
5% Shapiro Wilk P Value	0.109	Data appear Lognormal at 5% Significance Level
Lilliefors Test Statistic	0.0826	**Lilliefors Lognormal GOF Test**
5% Lilliefors Critical Value	0.0735	Data Not Lognormal at 5% Significance Level

Data appear Approximate Lognormal at 5% Significance Level

Lognormal Statistics

Minimum of Logged Data	1.275	Mean of logged Data	4.145
Maximum of Logged Data	6.579	SD of logged Data	0.772

Assuming Lognormal Distribution

95% H-UCL	96.62	90% Chebyshev (MVUE) UCL	103
95% Chebyshev (MVUE) UCL	111.3	97.5% Chebyshev (MVUE) UCL	122.8
99% Chebyshev (MVUE) UCL	145.4		

Nonparametric Distribution Free UCL Statistics

Data appear to follow a Discernible Distribution at 5% Significance Level

Nonparametric Distribution Free UCLs

95% CLT UCL	100.8	95% Jackknife UCL	100.9
95% Standard Bootstrap UCL	101.1	95% Bootstrap-t UCL	105.2
95% Hall's Bootstrap UCL	105.1	95% Percentile Bootstrap UCL	101.4
95% BCA Bootstrap UCL	104.3		
90% Chebyshev(Mean, Sd) UCL	111.8	95% Chebyshev(Mean, Sd) UCL	122.8
97.5% Chebyshev(Mean, Sd) UCL	138	99% Chebyshev(Mean, Sd) UCL	168

Suggested UCL to Use

95% H-UCL	96.62

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
Recommendations are based upon data size, data distribution, and skewness.
These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).
However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

ProUCL computes and outputs H-statistic based UCLs for historical reasons only.
H-statistic often results in unstable (both high and low) values of UCL95 as shown in examples in the Technical Guide.
It is therefore recommended to avoid the use of H-statistic based 95% UCLs.
Use of nonparametric methods are preferred to compute UCL95 for skewed data sets which do not follow a gamma distribution.