TABLE 5

SUMMARY OF ANALYTICAL RESULTS: METALS
SEISMIC RETROFIT OF THE WEST APPROACH
SAN FRANCISCO - OAKLAND BAY BRIDGE
RETAINING WALL

BORING	DEPTH	SB	AS	BA	BE	CD	CR	CO	CU	PB	HG	MO	NI	SE	AG	TL	V	ZN
B-1	S	<5.0	<5.0	220	<0.5	0.6	27	12	36	160 (4.9)	0.21	<2.5	26	<2.5	<0.5	<5.0	22	180
	2	<5.0	<5.0	150	<0.5	2.8	15	7.2	13	51 (1.7)	0.11	<2.5	17	<2.5	<0.5	<5.0	15	360
B-2	S	<5.0	<5.0	220	<0.5	1	22	9.7	45	**290 (11) {0.15}**	0.23	<2.5	25	<2.5	<0.5	<5.0	22	240
B-3	S	<5.0	5.1	200	<0.5	1.4	40	16	57	**120 (6.8) {ND}***	0.21	<2.5	37	<2.5	<0.5	<5.0	25	340
	3	<5.0	<5.0	140	<0.5	0.6	15	5.5	86	99 (3.8)	0.1	<2.5	26	<2.5	<0.5	<5.0	15	150
B-4	S	<5.0	<5.0	160	<0.5	0.9	36	10	36	**170 (10) {ND}***	0.22	<2.5	31	<2.5	<0.5	<5.0	26	170
	1	<5.0	<5.0	180	<0.5	<0.5	23	12	24	65 (2.4)	0.13	<2.5	30	<2.5	<0.5	<5.0	22	70
B-5	S	<5.0	<5.0	180	<0.5	0.7	35	13	38	**110 (6.3) {ND}***	0.2	<2.5	35	<2.5	<0.5	5.4	29	120
B-6	S	<5.0	<5.0	200	<0.5	0.9	29	16	48	**520 (24) {0.06}**	0.17	<2.5	36	<2.5	<0.5	5.1	31	190
B-7	S	<5.0	5.1	230	<0.5	0.8	24	15	39	100 (4.8)	0.15	<2.5	42	<2.5	<0.5	6.5	26	180
B-8	S	<5.0	<5.0	100	<0.5	1.1	26	5.6	44	**1,800 (150) {1.2}**	0.18	<2.5	24	<2.5	<0.5	<5.0	21	350
B-9	S	<50	<50	150	<5.0	<5.0	35	18	45*	13*	1.3	<25	42	<25	<5.0	<50	49	410
	3	<5.0	5.2	110	<0.5	0.7	26	5.2	130	200 (NS)	3.5 (0.014)	<2.5	20	<2.5	<0.5	<5.0	20	270
B-10	S	<5.0	<5.0	84	<0.5	0.7	21	5.9	110	**140 (15) {1.5}***	2.1	<2.5	23	<2.5	<0.5	<5.0	19	300
	3	<5.0	7	53	<0.5	<0.5	14	2.1	29	**440 (21) {0.53}***	0.77	<2.5	10	<2.5	<0.5	<5.0	9.2	1200
	6	<5.0	<5.0	59	<0.5	<0.5	24	5.3	32	**360 (14) {2.6}**	2.9	<2.5	15	<2.5	<0.5	<5.0	17	77
B-11	S	<5.0	<5.0	52	<0.5	0.5	30	5.7	36	**350 (25) {0.55}***	0.27	<2.5	23	<2.5	<0.5	<5.0	24	100
	2.5	<5.0	9.1	100	<0.5	0.7	32	7.8	62	**380 (23) {0.87}***	1.3	<2.5	28	<2.5	<0.5	<5.0	24	170
B-13	1	ND	11	70	ND	ND	38	8.2	37	**260 (12) {0.69}**	0.64	ND	36	ND	22	ND	35	94
	3	ND	11	49	ND	ND	23	2.7	20	10	ND	ND	23	ND	ND	ND	30	31
	6	ND	11	130	ND	ND	19	5.8	16	11	ND	ND	23	ND	ND	ND	21	42
B14	1	ND	38	290	ND	ND	22	11	360	37*	0.83	11	38	ND	ND	ND	40	700
	3	ND	39	12	ND	ND	24	24	100	11	2.9 (ND)	ND	24	ND	ND	ND	45	15
	6	ND	5.1	9.9	ND	ND	39	4.4	3.7	ND	1.6	ND	19	ND	ND	ND	36	19

BORING	DEPTH	SB	AS	BA	BE	CD	CR	CO	CU	PB	HG	MO	NI	SE	AG	TL	V	ZN
B-15	1	ND	9.5	250	ND	ND	18	8.6	18	49	0.42	6.0	25	ND	ND	ND	26	51
	3	ND	8.9	78	ND	ND	44	6.0	25	82 (ND)	ND	5.7	25	ND	ND	ND	39	75
	6	ND	5.4	16	ND	ND	41	4.8	ND	ND	ND	ND	22	ND	ND	ND	34	21
TTLC		500	500	10,000	75	100	500	8,000	2,500	1,000	20	3,500	2,000	100	500	700	2,400	5,000
STLC		15	5	100	0.75	1	5	80	25	5	0.2	350	20	1	5	7	24	250

Notes:
<0.01 = not detected at or above the laboratory detection limits
Metals are designated by their symbol on the periodic table of elements.
All samples are reported as total concentration in milligrams per kilogram (mg/kg), unless indicated.
(3.3) = Soluable concentration after a WET, presented in milligrams per liter (mg/l)
{3.3} = Soluble concentration after a TCLP, presented in mg/l.
NS = Not sufficient sample to analyze
TTLC = total threshold limit concentration
STLC = soluable threshold limit concentration.
ND = Not Detected.
S = Surface.
* = Soil sample resampled and reanalyzed
Depth in feet below surface grade.