TABLES

TABLE 1
CALTRANS AS NEEDED CONTRACT NO. 43A0100, TASK ORDER NO. 8
STATE-WIDE PORTLAND CEMENT CONCRETE WASTE SUPPLEMENTAL STUDY
SUMMARY OF ANALYTICAL TESTING

	Analysis for All Samples from Each Location										Analysis for One Sample from Each Location																		
	Both Liquid and Slurry Samples							Liquid only			Both Liquid and Slurry Samples						Analysis Applicable to Liquid Samples Only											Slurry Only	
PARAMETER	CAM 17 Metals	Cr (VI)	pH	TPH-cc	Oil & Grease	VOCs	SVOCs	Hardness	TDS	Alkalinity	Pesticides/PCBs	Chloride	Nitrate/nitrite	Sulfate	Phosphate, Ortho	Iron	Fish Bio-Assay	TOH	TOC	Phenols	Sulfide	COD	TSS	Electrical Conductivity	Calcium	Phosphorus	Manganese, Magnesium, Potassium, Sodium, Boron	Aluminum	Grain Size Analysis
EPA/SM Method #s	6010B/245.1 200.7/7470/7471	7196A	150.1/9045	8015M	1664	8260B	8270	2340B	160.1	2320B	8081/8082	300/4500/Caltran 422				6010B/200.7		450.1	415.1/SM5310C	420.1	4500-S-D/376.1	410.4	160.2	120.1/2510B	200.7	365.4	6010B/200.7/7610/7770	6010B	
DISTRICT 3, I-5																													
PCC-03-005-L1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	NA	
PCC-03-005-L2	X	X	X	X	X	X	X	X	X	X	NA						NA								NA			NA	
PCC-03-005-L3	X	X	X	X	X	X	X	X	X	X	NA						NA								NA			NA	
PCC-03-005-L4	X	X	X	X	X	X	X	X	X	X	NA						NA								NA			NA	
PCC-03-005-L5	X	X	X	X	X	X	X	X	X	X	NA						NA								NA			NA	
PCC-03-005-S1	X	X	X	X	X	X	X	NA			X	X	X	X	X	X	NA								NA			X	X
PCC-03-005-S2	X	X	X	X	X	X	X	NA			NA						NA								NA			NA	X
PCC-03-005-S3	X	X	X	X	X	X	X	NA			NA						NA								NA			NA	X
PCC-03-005-S4	X	X	X	X	X	X	X	NA			NA						NA								NA			NA	X
PCC-03-005-S5	X	X	X	X	X	X	X	NA			NA						NA								NA			NA	X
DISTRICT 7, I-5																													
PCC-07-005-L1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	NA	
PCC-07-005-L2	X	X	X	X	X	X	X	X	X	X	NA						NA								NA			NA	
PCC-07-005-L3	X	X	X	X	X	X	X	X	X	X	NA						NA								NA			NA	
PCC-07-005-L4	X	X	X	X	X	X	X	X	X	X	NA						NA								NA			NA	
PCC-07-005-L5	X	X	X	X	X	X	X	X	X	X	NA						NA								NA			NA	
PCC-07-005-S1	X	X	X	X	X	X	X	NA			X	X	X	X	X	X	NA								NA			X	X
PCC-07-005-S2	X	X	X	X	X	X	X	NA			NA						NA								NA			NA	X
PCC-07-005-S3	X	X	X	X	X	X	X	NA			NA						NA								NA			NA	X
PCC-07-005-S4	X	X	X	X	X	X	X	NA			NA						NA								NA			NA	X
PCC-07-005-S5	X	X	X	X	X	X	X	NA			NA						NA								NA			NA	X
DISTRICT 7, US-101																													
November 18, 2004																													
PCC-07-101-L1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	NA	
PCC-07-101-L2	X	X	X	X	X	X	X	X	X	X	NA						NA								NA			NA	
PCC-07-101-L3	X	X	X	X	X	X	X	X	X	X	NA						NA								NA			NA	
PCC-07-101-L4	X	X	X	X	X	X	X	X	X	X	NA						NA								NA			NA	
PCC-07-101-L5	X	X	X	X	X	X	X	X	X	X	NA						NA								NA			NA	
PCC-07-101-S1	X	X	X	X	X	X	X	NA			X	X	X	X	X	X	NA								NA			X	X
PCC-07-101-S2	X	X	X	X	X	X	X	NA			NA						NA								NA			NA	X
PCC-07-101-S3	X	X	X	X	X	X	X	NA			NA						NA								NA			NA	X
PCC-07-101-S4	X	X	X	X	X	X	X	NA			NA						NA								NA			NA	X
PCC-07-101-S5	X	X	X	X	X	X	X	NA			NA						NA								NA			NA	X

TABLE 1
CALTRANS AS NEEDED CONTRACT NO. 43A0100, TASK ORDER NO. 8
STATE-WIDE PORTLAND CEMENT CONCRETE WASTE SUPPLEMENTAL STUDY
SUMMARY OF ANALYTICAL TESTING

	Analysis for All Samples from Each Location										Analysis for One Sample from Each Location																		
	Both Liquid and Slurry Samples							Liquid only			Both Liquid and Slurry Samples						Analysis Applicable to Liquid Samples Only											Slurry Only	
PARAMETER	CAM 17 Metals	Cr (VI)	pH	TPH-cc	Oil & Grease	VOCs	SVOCs	Hardness	TDS	Alkalinity	Pesticides/PCBs	Chloride	Nitrate/nitrite	Sulfate	Phosphate, Ortho	Iron	Fish Bio-Assay	TOH	TOC	Phenols	Sulfide	COD	TSS	Electrical Conductivity	Calcium	Phosphorus	Manganese, Magnesium, Potassium, Sodium, Boron	Aluminum	Grain Size Analysis
EPA/SM Method #s	6010B/245.1 200.7/7470/ 7471	7196A	150.1/ 9045	8015M	1664	8260B	8270	2340B	160.1	2320B	8081/ 8082	300/4500/Caltran 422				6010B /200.7		450.1	415.1/ SM5310C	420.1	4500-S-D/ 376.1	410.4	160.2	120.1/ 2510B	200.7	365.4	6010B/ 200.7/7610/7770	6010B	
December 21, 2004																													
PCC-07-101-L1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	NA	
PCC-07-101-L2	X	X	X	X	X	X	X	X	X	X	NA						NA								NA			NA	
PCC-07-101-L3	X	X	X	X	X	X	X	X	X	X	NA						NA								NA			NA	
PCC-07-101-L4	X	X	X	X	X	X	X	X	X	X	NA						NA								NA			NA	
PCC-07-101-L5	X	X	X	X	X	X	X	X	X	X	NA						NA								NA			NA	
PCC-07-101-S1	X	X	X	X	X	X	X	NA			X	X	X	X	X	X	NA								NA			X	X
PCC-07-101-S2	X	X	X	X	X	X	X	NA			NA						NA								NA			NA	X
PCC-07-101-S3	X	X	X	X	X	X	X	NA			NA						NA								NA			NA	X
PCC-07-101-S4	X	X	X	X	X	X	X	NA			NA						NA								NA			NA	X
PCC-07-101-S5	X	X	X	X	X	X	X	NA			NA						NA								NA			NA	X
DISTRICT 8, I-10																													
PCC-08-I10-L1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	NA	
PCC-08-I10-L2	X	X	X	X	X	X	X	X	X	X	NA						NA								NA			NA	
PCC-08-I10-L3	X	X	X	X	X	X	X	X	X	X	NA						NA								NA			NA	
PCC-08-I10-L4	X	X	X	X	X	X	X	X	X	X	NA						NA								NA			NA	
PCC-08-I10-L5	X	X	X	X	X	X	X	X	X	X	NA						NA								NA			NA	
PCC-08-I10-S1	X	X	X	X	X	X	X	NA			X	X	X	X	X	X	NA								NA			X	X
PCC-08-I10-S2	X	X	X	X	X	X	X	NA			NA						NA								NA			NA	X
PCC-08-I10-S3	X	X	X	X	X	X	X	NA			NA						NA								NA			NA	X
PCC-08-I10-S4	X	X	X	X	X	X	X	NA			NA						NA								NA			NA	X
PCC-08-I10-S5	X	X	X	X	X	X	X	NA			NA						NA								NA			NA	X
DISTRICT 8, I-15																													
PCC-08-I15-L1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	NA	
PCC-08-I15-L2	X	X	X	X	X	X	X	X	X	X	NA						NA								NA			NA	
PCC-08-I15-S1	X	X	X	X	X	X	X	NA			X	X	X	X	X	X	NA								NA			X	X
PCC-08-I15-S2	X	X	X	X	X	X	X	NA			NA						NA								NA			NA	X

TABLE 2A
CALTRANS AS NEEDED CONTRACT NO. 43A0100, TASK ORDER NO. 8
STATE-WIDE PORTLAND CEMENT CONCRETE WASTE SUPPLEMENTAL STUDY
SUMMARY OF ANALYTICAL RESULTS FOR LIQUID SAMPLES
PRIMARY ANALYTE LIST OF COMPOUNDS

SITE LOCATION	DISTRICT 3 - I-5					DISTRICT 7 - I-5					DISTRICT 7 - US 101					DISTRICT 7 - US 101					DISTRICT 8 - I-15		DISTRICT 8 - I-10				
SAMPLING DATE	NOVEMBER 1, 2004					NOVEMBER 5, 2004					NOVEMBER 18, 2004					DECEMBER 21, 2004					OCTOBER 26, 2004		JANUARY 19, 2005				
SAMPLE ID	PCC-03-005-#					PCC-07-005-#					PCC-07-101-#					PCC-07-101-#					PCC-08-015-#		PCC-08-010-#				
PARAMETER	L-1	L-2	L-3	L-4	L-5	L-1	L-2	L-3	L-4	L-5	L-1	L-2	L-3	L-4	L-5	L-1	L-2	L-3	L-4	L-5	L-1	L-2	L-1	L-2	L-3	L-4	L-5
GENERAL CHEMISTRY (mg/L, unless noted otherwise)																											
pH (units)	11.1	11.0	11.4	11.3	11.2	10.1	10.8	10.8	10.7	10.7	12.1	10.9	11.4	11.7	12.1	12.0	10.9	11.5	11.0	9.99	11.0	11.0	9.4	10.37	11.15	10.92	10.94
Hardness	460	520	420	460	480	290	300	550	530	430	640	680	580	500	1,700	1,600	1,700	2,000	740	1,700	450	480	240	280	330	240	260
Total Dissolved Solids	790	870	840	810	830	1,700	1,600	2,300	1,600	1500	2,800	2,300	2,200	1,400	3,900	4,600	3,400	5,400	1,500	4,300	1,500	1,700	740	440	760	690	690
Alkalinity	3,700	2,400	9,600	3,500	4,200	26,000	30,000	12,000	21,000	14,000	1,300	1,300	650	660	1,700	640	290	390	290	270	1,200	5,800	48	310	300	230	230
CAM METALS (mg/L)																											
Silver	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.03	<0.003	<0.003	<0.003	<0.0075	<0.38	<0.075	<0.075	<0.075	<0.015	<0.003	<0.03	<0.038	<0.075	<0.038	<0.075	<0.015
Arsenic	0.26	0.31	0.61	0.21	0.25	0.22	0.25	0.3	0.31	0.59	0.21	0.024	0.034	0.030	0.062	3.0	0.81	0.37	0.80	0.14	0.072	0.59	<0.12	<0.25	<0.12	<0.25	<0.05
Barium	5	6.1	11	3.7	4.9	4.5	6.2	7.6	8.2	17	4.6	0.29	0.52	0.89	2.1	43	13	5.5	17	1.4	1.0	13	4.0	12	2.8	4.4	0.12
Beryllium	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.03	<0.003	<0.003	<0.003	<0.0075	<0.38	<0.075	<0.075	<0.075	<0.015	<0.0030	<0.03	<0.038	<0.075	<0.038	<0.075	<0.015
Cadmium	<0.015	0.019	0.031	<0.015	<0.015	0.032	0.046	0.052	0.058	0.14	<0.03	<0.003	<0.003	<0.003	<0.0075	<0.38	0.14	<0.075	0.17	<0.015	0.008	0.056	<0.038	<0.075	<0.038	<0.075	<0.015
Cobalt	0.72	0.81	1.1	0.61	0.60	0.24	0.34	0.44	0.45	0.95	<0.03	<0.003	<0.003	0.0047	<0.0075	1.5	0.39	0.16	0.54	0.049	0.061	0.87	0.18	0.51	0.13	0.38	<0.015
Chromium	1.8	2.3	3.4	1.4	1.9	0.37	0.51	0.66	0.71	1.5	0.21	0.071	0.30	0.38	0.17	5.5	1.8	0.98	2.4	0.28	0.16	2.2	0.30	1.5	0.29	0.82	0.070
Copper	2.2	2.8	3.7	1.7	1.9	0.9	1.2	1.6	1.8	3.8	0.050	0.019	0.014	<0.005	<0.012	2.8	0.78	0.36	1.0	0.13	0.18	1.4	0.23	0.75	0.16	0.48	<0.025
Mercury	0.0013	0.004	0.004	<0.001	<0.001	0.001	0.003	0.002	0.002	0.003	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	0.0068	0.0065	0.0014	0.01	<0.0005	<0.20	0.0045	<0.0005	0.0013	<0.0005	<0.001	<0.0002
Molybdenum	<0.025	<0.025	0.033	<0.025	<0.025	<0.025	<0.025	0.028	<0.025	<0.025	<0.05	0.025	0.084	0.058	0.049	1.3	0.34	0.33	0.34	0.22	<0.054	0.16	0.56	0.94	0.39	0.82	0.11
Nickel	1.4	1.6	2.4	1.2	1.2	0.34	0.44	0.57	0.59	1.2	<0.05	<0.05	0.0089	0.022	0.013	3.3	0.98	0.40	1.4	0.17	0.12	1.6	0.28	0.73	0.19	0.65	<0.025
Lead	0.33	0.43	0.59	0.24	0.33	0.29	0.43	0.60	0.72	1.6	<0.05	<0.005	<0.005	<0.005	<0.012	2.4	0.35	0.38	0.79	<0.025	0.038	0.49	<0.062	1.3	<0.062	<0.12	<0.025
Antimony	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.35	<0.025	<0.05	<0.005	<0.005	<0.005	<0.012	<0.62	<0.12	<0.12	<0.12	<0.025	<0.0050	<0.05	<0.062	<0.12	<0.062	<0.12	<0.025
Selenium	0.16	0.20	0.18	0.16	0.18	0.14	0.17	0.20	0.22	0.18	0.23	0.026	0.018	0.035	0.050	2.2	0.43	0.42	0.62	0.14	0.034	0.48	0.42	<0.25	0.14	<0.25	<0.050
Thallium	<0.075	<0.075	<0.075	<0.075	<0.075	<0.075	<0.075	<0.075	<0.075	<0.075	<0.15	<0.015	<0.015	<0.015	<0.038	<1.9	<0.38	<0.38	<0.38	<0.075	<0.015	<0.15	<0.19	<0.38	<0.19	<0.38	<0.075
Vanadium	2.6	3.4	5.0	2.1	2.8	0.77	1.1	1.4	1.5	3.1	0.11	0.0072	0.016	0.03	0.022	7.1	2.0	0.80	2.7	0.17	0.38	4.7	0.40	1.5	0.36	1.3	0.048
Zinc	2.5	2.5	4.2	1.6	1.8	6.4	8.3	13	15	33	0.87	0.022	0.011	0.033	0.08	16	7.8	2.6	9.3	0.60	0.54	6.1	0.62	1.9	0.43	1.8	0.062
CHROMIUM (VI), mg/L	0.014	0.1	0.17	0.19	0.023	0.01	<0.01	0.097	0.018	0.024	0.024	0.11	0.18	0.16	0.089	0.21	0.30	0.17	0.20	0.075	<0.050	<0.05	0.055	0.48	0.047	0.046	0.046
PETROLEUM & OTHER HYDROCARBONS (mg/L)																											
Gasoline (ug/L)*	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
Diesel	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Oil	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Oil & Grease	<4.0	<4.0	<4.0	<4.0	<4.0	52	29	28	21	35	51	17	15	8.4	16	12	9.0	15	<7.7	8.8	22	<4.3	5.3	<9.1	4.4	4.0	<4.0
VOLATILE ORGANIC COMPOUNDS (µg/L)																											
Chloroform	13	12	<5	9.4	8	<5	<5	<5	<5	<5	<5	<5	<5	11	<5	<5	<5	<5	<5	<5	<50	<1,000	<5	<5	<5	<5	<5
1,2,4-trimethylbenzene	180	190	46	200	180	<5	<5	<5	<5	<5	22	<5	<5	<5	<5	<5	<5	<5	<5	<5	<50	<1,000	<5	<5	<5	<5	<5
SEMI-VOLATILE ORGANIC COMPOUNDS (µg/L)																											
Benzoic Acid	<60	<65	<65	<100	<65	260	300	310	350	360	<50	<50	<50	<50	<50	<91	<81	<620	<50	<710	180	83	<250	<300	<250	<250	<250
Benzyl Alcohol	<24	<26	<26	<40	<26	<100	<100	<100	<100	<100	53	40	110	<20	40	<36	<32	<250	<20	<290	<20	<20	<100	<120	<100	<100	<100
Phenol	<12	<13	<13	<20	<13	<50	<50	<50	<50	<50	23	19	<10	<10	<10	<18	<16	<120	<10	<140	<10	<10	<50	<60	<50	<50	<50
N-Nitroso-di-n-propylamine	<12	<13	<13	<20	<13	<50	<50	<50	<50	<50	<10	14	<10	<10	<10	<18	<16	<120	<10	<140	<10	<10	<50	<60	<50	<50	<50
2-Nitrophenol	<12	<13	<13	<20	<13	<50	<50	<50	<50	<50	<10	<10	<10	<10	<10	25	<16	<120	<10	<140	<10	<10	<50	<60	<50	<50	<50

NOTES:

<10 Compound was Not Detected above the reported PQL

TABLE 2B
CALTRANS AS NEEDED CONTRACT NO. 43A0100, TASK ORDER NO. 8
STATE-WIDE PORTLAND CEMENT CONCRETE WASTE SUPPLEMENTAL STUDY
SUMMARY OF ANALYTICAL RESULTS FOR LIQUID SAMPLES
EXTENDED ANALYTE LIST OF COMPOUNDS

SITE LOCATION	DISTRICT 3 - I-5	DISTRICT 7 - I-5	DISTRICT 7 - US 101		DISTRICT 8 - I-15	DISTRICT 8 - I-10
SAMPLING DATE	NOVEMBER 1, 2004	NOVEMBER 5, 2004	NOVEMBER 18, 2004	DECEMBER 21, 2004	OCTOBER 26, 2004	JANUARY 19, 2005
SAMPLE ID / PARAMETER	PCC-03-005-L-1	PCC-07-005-L-1	PCC-07-101-L-1	PCC-07-101-L-1	PCC-08-015-L-1	PCC-08-010-L-1
GENERAL CHEMISTRY (mg/L, unless noted otherwise)						
Nitrate as nitrogen	5.4	14	110	42	16	5.1
Nitrite as nitrogen	<1.0	<1.5	14	50	<1.8	4.8
Total Organic Carbon	180	510	240	490	290	120
Phenols	0.10	0.27	0.57	0.26	0.26	0.28
Chloride	24	54	550	1100	77	22
Sulfate	310	460	8.6	480	560	250
Sulfide	<3.8	<3.8	<0.050	<0.050	<0.050	<0.050
Chemical Oxygen Demand	75	1500	910	1600	840	280
Total Suspended Solids	20,000	67,000	1,800	340	4,600	<10
Electrical Conductivity, umho/cm	1,300	1,600	5,000	1,400	1,800	8.6
Calcium	3,700	2,000	2,700	24,000	1,100	1,600
Iron	660	370	44	3100	95	170
Phosphorus, total	13	28	2.0	1.5	1.6	<0.02
Phosphate, Ortho	<0.050	<0.050	0.16	<0.25	<0.50	<0.05
Manganese	<50	<50	<5.0	82	<2.1	<6.2
Magnesium	250	180	19	1400	52	67
Potassium	39	60	230	280	90	9.7
Sodium	37	230	520	770	220	45
Boron	7.5	<5.0	<0.50	17	0.53	1.2
Fluoride	0.94	2.6	10	6.7	2.7	1.6
Total Organic Halides	45	23	210	340	40	23
Fish Bio-Assay	PASS	PASS	PASS	PASS	PASS	PASS
ORGANOCHLORINE PESTICIDES (µg/L)						
	NONE DETECTED	NONE DETECTED	NONE DETECTED	NONE DETECTED	NONE DETECTED	NONE DETECTED
PCBs (mg/L)						
	NONE DETECTED	NONE DETECTED	NONE DETECTED	NONE DETECTED	NONE DETECTED	NONE DETECTED

NOTES:

<10 Compound was Not Detected above the reported PQL

TABLE 3A
CALTRANS AS NEEDED CONTRACT NO. 43A0100, TASK ORDER NO. 8
STATE-WIDE PORTLAND CEMENT CONCRETE WASTE SUPPLEMENTAL STUDY
SUMMARY OF ANALYTICAL RESULTS FOR SLURRY SAMPLES
ANALYSIS APPLICABLE TO ALL SLURRY SAMPLES

SITE LOCATION	DISTRICT 3 - I-5					DISTRICT 7 - I-5					DISTRICT 7 - US 101					DISTRICT 7 - US 101					DISTRICT 8 - I-15		DISTRICT 8 - I-10					REFERENCED CALIFORNIA AND FEDERAL HAZARDOUS WASTE STADARDS		
SAMPLING DATE	NOVEMBER 1, 2004					NOVEMBER 5, 2004					NOVEMBER 18, 2004					DECEMBER 21, 2004					OCTOBER 26, 2004		JANUARY 19, 2005							
SAMPLE ID	PCC-03-005-#					PCC-07-005-#					PCC-07-101-#					PCC-07-101-#					PCC-08-015-#		PCC-08-010-#							
PARAMETER	S-1	S-2	S-3	S-4	S-5	S-1	S-2	S-3	S-4	S-5	S-1	S-2	S-3	S-4	S-5	S-1	S-2	S-3	S-4	S-5	S-1	S-2	S-1	S-2	S-3	S-4	S-5	TTLC (1) mg/Kg	STLC (2) mg/L	TCLP (3) mg/L
GENERAL CHEMISTRY																														
pH (units)	11.0	10.7	10.9	11.1	11.0	10.4	9.77	10.0	10.2	10.3	11.0	11.1	11.0	11.0	11.8	11.5	10.9	11.0	11.0	10.8	10.0	10	9.26	10.65	10.99	10.71	10.80			
CAM METALS - TOTAL (mg/Kg)																														
Silver	<20	<20	<1.0	<20	<20	<20	<20	<20	<20	<20	<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	<1.0	<1.0	<1.0	500	5.0	5.0
Arsenic	<20	<20	<1.0	<20	<20	<20	<20	<20	<20	<20	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.7	1.1	1.3	<1.0	<1.0	500	5.0	5.0
Barium	72	28	34	62	41	110	76	64	120	110	61	66	74	61	63	41	81	71	64	62	74	61	140	150	130	42	43	10,000	100	100
Beryllium	<20	<20	<1.0	<20	<20	<20	<20	<20	<20	<20	<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	<1.0	<1.0	<1.0	75	0.75	
Cadmium	<20	<20	<1.0	<20	<20	<20	<20	<20	<20	<20	<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	<1.0	<1.0	<1.0	100	1.0	1.0
Cobalt	<20	<20	4.2	<20	<20	<20	<20	<20	<20	<20	2.9	2.6	2.5	2.8	2.3	1.6	2.6	2.9	2.7	2.3	4.0	3.8	3.4	6.8	3.2	3.7	3.4	8,000	80	
Chromium	*67*	25	21	30	24	<20	<20	<20	<20	<20	12	13	14	15	11	5.8	11	11	11	8.4	10	10	9.2	25	8.4	12	13	2,500	560	5.0
Copper	45	<20	30	33	<20	<20	<20	<20	<20	<20	13	8.9	7.6	17	6.8	3.6	6.2	8.6	6.0	5.5	11	8.9	8.6	12.0	7.0	8.5	6.5	2,500	25	
Mercury	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	20	0.2	0.2
Molybdenum	23	<20	2.3	<20	<20	<20	<20	<20	<20	<20	3.4	2.3	2.0	2.7	3.6	3.1	2.2	3.2	2.0	3.1	2.0	1.6	<1.0	1.2	<1.0	<1.0	<1.0	3,500	350	
Nickel	30	<20	13	23	<20	<20	<20	<20	<20	<20	8.2	7.4	7.3	8.2	6.4	4.1	7.4	8.0	6.9	6.1	8.7	8.3	6.0	7.2	4.9	6.7	6.6	2,000	20	
Lead	<20	<20	4.3	<20	<20	<20	<20	<20	23	<20	3.9	3.1	2.9	4.4	2.2	3.0	3.1	6.2	11	5.1	2.7	2.0	3.5	*68*	1.9	2.7	2.6	1,000	5.0	5.0
Antimony	<20	<20	<1.0	<20	<20	<20	<20	<20	<20	<20	<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	1.3	<1.0	<1.0	500	15	
Selenium	<20	<20	<1.0	<20	<20	<20	<20	<20	<20	<20	<1.0	<1.0	<1.0	<1.0	<1.0	1.2	1.7	2.3	<1.0	<1.0	<1.0	<1.0	1.4	1.5	<1.0	<1.0	1.2	100	1.0	1.0
Thallium	<20	<20	<1.0	<20	<20	<20	<20	<20	<20	<20	<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	<1.0	<1.0	<1.0	700	7.0	
Vanadium	53	29	24	39	35	26	<20	<20	21	25	13	13	14	15	11	6.8	14	14	13	10	22	21	13	16	12	16	16	2,400	24	
Zinc	44	22	36	33	36	290	240	230	450	290	72	50	76	45	47	18	42	49	75	43	49	40	25	26	20	32	29	5,000	250	
CHROMIUM (VI), mg/Kg	0.77	1.3	0.80	0.40	0.44	<0.10	<0.10	<0.10	<0.10	<0.10	0.28	0.14	0.21	0.23	0.15	0.63	0.12	0.13	0.37	0.37	<0.10	<0.10	<0.10	0.48	<0.10	<0.10	<0.10			
CAM METALS - SOLUBLE (mg/L)																														
Chromium (TCLP)	<0.01	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2,500	560	5.0
Lead (STLC)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<2.5	NA	NA	NA	1,000	5.0	5.0
PETROLEUM & OTHER HYDROCARBONS (mg/Kg)																														
Gasoline	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50			
Diesel	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20			
Oil	540	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	1300	910	730	<50	<50	<50	<50	<50	<50	820	270	<50	<50	<50	<50	<50			
Oil & Grease	1,000	50	170	180	110	620	610	830	330	320	670	1600	1400	440	120	60	340	400	490	<50	2,500	1100	150	1600	140	380	610			
VOLATILE ORGANIC COMPOUNDS (μg/Kg)																														
1,3,5-trimethylbenzene	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01			
1,2,4-trimethylbenzene	0.048	0.028	<0.01	0.380	0.34	<0.01	<0.01	<0.01	<0.01	<0.01	0.022	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01			
SEMI-VOLATILE ORGANIC COMPOUNDS (μg/Kg)																														
bis (2-Ethylhexyl) phthlate	<0.7	<0.33	<0.33	<0.33	<0.33	1.2	0.73	0.80	<1.1	1.1	<0.33	0.68	<10	<0.33	<0.33	<0.33	0.34	0.47	0.74	<0.33	0.92	0.86	1.1	<6.6	<3.3	0.56	<3.3			

NOTES:

<10 Compound was Not Detected above the reported PQL

NA Not Analyzed

(1) California Total Threshold Limit Concentration

(2) California Soluble Threshold Limit Concentration

(3) Federal Toxicity Characteristic Leaching Potential

5 Concentration exceeding TTLC is shown in **BOLD**

10 Concentration exceeding 10-times the STLC or TCLP is shown in *Italics*

TABLE 3B
CALTRANS AS NEEDED CONTRACT NO. 43A0100, TASK ORDER NO. 8
STATE-WIDE PORTLAND CEMENT CONCRETE WASTE SUPPLEMENTAL STUDY
SUMMARY OF ANALYTICAL RESULTS FOR SLURRY SAMPLES
EXTENDED ANALYTE LIST OF COMPOUNDS

SITE LOCATION	DISTRICT 3 - I-5	DISTRICT 7 - I-5	DISTRICT 7 - US 101		DISTRICT 8 - I-15	DISTRICT 8 - I-10	TTLC (1)	STLC (2)	TCLP (3)
SAMPLING DATE	NOVEMBER 1, 2004	NOVEMBER 5, 2004	NOVEMBER 18, 2004	DECEMBER 21, 2004	OCTOBER 26, 2004	JANUARY 19, 2005			
SAMPLE ID	PCC-03-005-S-1	PCC-07-005-S-1	PCC-07-101-S-1	PCC-07-101-S-1	PCC-08-015-S-1	PCC-08-010-S-1	mg/Kg	mg/L	mg/L
GENERAL CHEMISTRY (mg/Kg)									
Chloride	94	87	230	990	120	98			
Nitrite as nitrogen	<0.50	2.3	<0.50	49	13	<0.50			
Nitrate as nitrogen	4.7	11	9.5	11	5.7	5.9			
Sulfate	590	240	450	520	330	160			
Phosphate, ortho	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50			
Iron	14,000	1,400	5,600	3,100	8,900	7,600			
Aluminum	20,000	8,300	6,300	2,500	6,200	5,400			
ORGANOCHLORINE PESTICIDES (mg/Kg)									
4,4'-DDD	<0.002	<0.002	<0.004	<0.002	<0.004	0.0028	1	0.1	
d-BHC	<0.001	<0.001	<0.002	0.0012	<0.002	<0.001			
PCBs (mg/Kg)									
	NONE DETECTED	NONE DETECTED	NONE DETECTED	NONE DETECTED	NONE DETECTED	NONE DETECTED			

NOTES:

<10 Compound was Not Detected above the reported PQL

TABLE 4A
CALTRANS AS NEEDED CONTRACT NO. 43A0100, TASK ORDER NO. 8
STATE-WIDE PORTLAND CEMENT CONCRETE WASTE SUPPLEMENTAL STUDY
SUMMARY OF STATISTICAL RESULTS FOR LIQUID SAMPLES

PARAMETER	Number of		Distribution	Range of Concentration		Mean or	Standard
	Samples	Detections	Type	Min	Max	Mean Median	Deviation
PRIMARY ANALYTE LIST OF COMPOUNDS							
GENERAL CHEMISTRY (mg/L, unless noted otherwise)							
pH (units)	27	27	Normal	9.4	12.1	11.0	0.61
Hardness	27	27	Non-parametric	240	2000	490	36
Total Dissolved Solids	27	27	Non-parametric	440	5400	1530	262
Alkalinity	27	27	Non-parametric	48	30000	1410	885
CAM METALS (mg/L)							
Silver	27	None	NA	<0.003	<0.380	NA	NA
Arsenic	27	22	Non-Parametric	0.024	3	0.24	0.03
Barium	27	27	Non-Parametric	0.12	43	5.05	0.89
Beryllium	27	None	NA	<0.003	<0.38	NA	NA
Cadmium	27	11	Non-Parametric	<0.003	<0.38	<0.034	0.01
Cobalt	27	22	Normal	<0.03	1.5	0.41	0.39
Chromium	27	27	Non-Parametric	0.07	5.5	0.79	0.36
Copper	27	24	Non-Parametric	<0.005	3.8	0.79	0.35
Mercury	27	14	Non-Parametric	<0.0002	0.2	0.0014	0.0005
Molybdenum	27	17	Non-Parametric	<0.025	1.3	0.072	0.054
Nickel	27	24	Non-Parametric	0.0089	3.3	0.55	0.21
Lead	27	17	Non-Parametric	<0.005	2.4	0.29	0.10
Antimony	27	1	NA	<0.005	<0.62	NA	NA
Selenium	27	24	Non-Parametric	0.018	2.2	0.18	0.02
Thallium	27	None	NA	<0.015	<1.9	NA	NA
Vanadium	27	27	Non-Parametric	0.0072	7.1	1.23	0.46
Zinc	27	27	Non-Parametric	0.011	33	2.23	1.07
CHROMIUM (VI), mg/L	27	24	Non-Parametric	<0.01	0.48	0.075	0.028
PETROLEUM & OTHER HYDROCARBONS (mg/L, unless otherwise noted)							
Gasoline (ug/L)	27	None	NA	NA	NA	NA	NA
Diesel	27	None	NA	NA	NA	NA	NA
Oil	27	None	NA	NA	NA	NA	NA
Oil & Grease	27	19	Non-Parametric	<4	52	10.1	3.04
VOLATILE ORGANIC COMPOUNDS (μg/L)							
Chloroform	27	5	Non-Parametric	<5	13	5.26	0.89
1,2,4-trimethylbenzene	27	6	Non-Parametric	<5	200	5.28	2.27
SEMI-VOLATILE ORGANIC COMPOUNDS (μg/L)							
Benzoic Acid	27	7	Non-Parametric	<50	<710	148.8	73.9
Benzyl Alcohol	27	1	NA	<20	<290	NA	NA
Phenol	27	2	NA	<10	<140	NA	NA
N-Nitroso-di-n-propylamine	27	1	NA	<10	<140	NA	NA
2-Nitrophenol	27	1	NA	<10	<140	NA	NA

TABLE 4A
CALTRANS AS NEEDED CONTRACT NO. 43A0100, TASK ORDER NO. 8
STATE-WIDE PORTLAND CEMENT CONCRETE WASTE SUPPLEMENTAL STUDY
SUMMARY OF STATISTICAL RESULTS FOR LIQUID SAMPLES

PARAMETER	Number of		Distribution	Range of Concentration		Mean or	Standard
	Samples	Detections	Type	Min	Max	Mean Median	Deviation
EXTENDED ANALYTE LIST OF COMPOUNDS							
GENERAL CHEMISTRY (mg/L, unless noted otherwise)							
Nitrate as nitrogen	6	6	NA	5.1	110	NA	NA
Nitrite as nitrogen	6	3	NA	<1.0	50	NA	NA
Total Organic Carbon	6	6	Non-Parametric	120	510	300	100
Phenols	6	6	Non-Parametric	0.1	0.57	0.27	0.05
Chloride	6	6	NA	22	1,100	NA	NA
Sulfate	6	6	NA	8.6	560	NA	NA
Sulfide	6	None	NA	<0.05	<3.80	NA	NA
Chemical Oxygen Demand	6	6	NA	75	1,600	NA	NA
Total Suspended Solids	6	5	NA	<10	67,000	NA	NA
Electrical Conductivity, umho/cm	6	6	NA	8.6	5,000	NA	NA
Calcium	6	6	NA	1,100	24,000	NA	NA
Iron	6	6	NA	44	3100	NA	NA
Phosphorus, total	6	5	NA	<0.02	28	NA	NA
Phosphate, Ortho	6	1	NA	<0.05	0.16	NA	NA
Manganese	6	1	NA	<2.1	82	NA	NA
Magnesium	6	6	NA	19	1,400	NA	NA
Potassium	6	6	NA	9.7	280	NA	NA
Sodium	6	6	NA	37	770	NA	NA
Boron	6	4	NA	<0.5	17	NA	NA
Fluoride	6	6	NA	0.94	10	NA	NA
Total Organic Halides	6	6	NA	23	340	NA	NA
Fish Bio-Assay	6	NA	NA	NA	NA	NA	NA
ORGANOCHLORINE PESTICIDES (µg/L)	6	None	NA	NA	NA	NA	NA
PCBs (mg/L)	6	None	NA	NA	NA	NA	NA

NOTES:

* - PQLs in significant exceedance of analyte detections are not presented as discussed in Section 3.0.

<10 Compound was Not Detected above the reported PQL

NA Not Applicable due to either not enough or no detections in a sample set

TABLE 4B
CALTRANS AS NEEDED CONTRACT NO. 43A0100, TASK ORDER NO. 8
STATE-WIDE PORTLAND CEMENT CONCRETE WASTE SUPPLEMENTAL STUDY
SUMMARY OF STATISTICAL RESULTS FOR SLURRY SAMPLES

PARAMETER	Number of		Distribution	Range of Concentration		Mean or	Standard
	Samples	Detections	Type	Min	Max*	Mean Median	Deviation
PRIMARY ANALYTE LIST OF COMPOUNDS							
GENERAL CHEMISTRY (mg/L, unless noted otherwise)							
pH (units)	27	27	Normal	9.4	12.1	10.7	0.55
CAM METALS (mg/L)							
Silver	27	None	NA	<1	<20	NA	NA
Arsenic	27	3	NA	<1	<20	NA	NA
Barium	27	27	Non-Parametric	28	150	66.1	4.17
Beryllium	27	None	NA	<1	<20	NA	NA
Cadmium	27	None	NA	<1	<20	NA	NA
Cobalt	27	18	Non-Parametric	1.6	6.8	2.98	0.25
Chromium	27	22	Non-Parametric	5.8	67	12.2	1.4
Copper	27	20	Non-Parametric	3.6	45	8.7	1.03
Mercury	27	None	NA	NA	NA	NA	NA
Molybdenum	27	15	Non-Parametric	<1	23	2.19	0.34
Nickel	27	20	Non-Parametric	4.1	30	7.37	0.41
Lead	27	19	Non-Parametric	1.9	68	3.39	0.63
Antimony	27	1	NA	<1	<20	NA	NA
Selenium	27	6	Non-Parametric	<1	2.3	1.02	0.06
Thallium	27	None	NA	<1	<20	NA	NA
Vanadium	27	25	Non-Parametric	6.8	53	16.74	2.39
Zinc	27	27	Non-Parametric	18	450	44.36	9.61
CHROMIUM (VI), mg/L	27	16	Non-Parametric	<0.1	1.3	0.159	0.062
PETROLEUM & OTHER HYDROCARBONS (mg/L, unless otherwise noted)							
Gasoline (ug/L)	27	None	NA	NA	NA	NA	NA
Diesel	27	None	NA	NA	NA	NA	NA
Oil	27	5	Non-Parametric	<50	1,300	50.4	9.84
Oil & Grease	27	26	Non-Parametric	<50	2,500	428	112
VOLATILE ORGANIC COMPOUNDS (µg/L)							
1,3,5-trimethylbenzene	27	1	NA	<0.01	0.02	NA	NA
1,2,4-trimethylbenzene	27	5	NA	<0.01	0.38	NA	NA
SEMI-VOLATILE ORGANIC COMPOUNDS (µg/L)							
bis (2-Ethylhexyl) phthlate	27	12	Non-Parametric	<0.33	<10	0.67	0.14
EXTENDED ANALYTE LIST OF COMPOUNDS							
GENERAL CHEMISTRY (mg/L, unless noted otherwise)							
Chloride	6	6	NA	87	990	NA	NA
Nitrate as nitrogen	6	6	Non-Parametric	4.7	11	7.95	1.9
Nitrite as nitrogen	6	3	NA	<0.5	49	NA	NA
Sulfate	6	6	Normal	160	590	382	167
Phosphate, Ortho	6	None	NA	NA	NA	NA	NA
Iron	6	6	NA	1,400	14,000	NA	NA
Aluminum	6	6	NA	2,500	20,000	NA	NA
ORGANOCHLORINE PESTICIDES (µg/L)	6	2	NA	NA	NA	NA	NA
PCBs (mg/L)	6	None	NA	NA	NA	NA	NA

NOTES:

* - PQLs in significant exceedance of analyte detections are not presented as discussed in Section 3.0.

<10 Compound was Not Detected above the reported PQL

NA Not Applicable due to either not enough or no detections in a sample set