Attachment S3B

Concrete and Soil Backfill Summary

Table S3B-1	Sample Locations Representative of Plant 2 Soils Relocated for Use as Backfill in the 2-40s Area Demolition/Redevelopment Project
Table S3B-2	Crushed Concrete Backfill Analytical Data Summary 2-31, 2-40s, and 2-60s Demolition/Redevelopment Areas
S3B-3	Harper (2010-2011 Demolition) Construction Backfill Source Quality
S3B-4	Merlino (2011-2012 Redevelopment) Construction Backfill Source Quality

Table S3B-1 Sample Locations Representative of Plant 2 Soils Relocated for Use as Backfill in the 2-40s Area Demolition/Redevelopment Project

Plant 2 Backfill Soil Origin	Plant 2 Subarea	Sample Location	Reference Document
North Area Stormwater System Retrofit	North Area	B-12	Note 1
		B-25	"
		B-5	"
		HP-AL-28	"
		HP-AL-33	"
		HP-AL-34	"
		NA-DP-08	"
		NA-DP-17	"
		NA-DP-24	"
		NA-DP-25	"
		NA-DP-36	"
		PL2C-2124-04	"
Building 2-25 Sanitary Line Potholes	2-31 Area	2-31-DP-44	Note 2
		2-31-DP-45	"
		2-31-DP-46	"
SPU Potholes near Bldg 2-15	2-10 Area	2-10-DP-070	Note 3
		G03	"
Gas-line Excavation near Bldg 2-15	2-10 Area	PL2-251A	"
Duct Bank Excavation in South Park Bridge Area	2-10 Area	2-10-DP-072	"
		2-10-DP-074	"
		2-10-DP-077	"
		T25	"
		C02	"
	2-31 Area	DP-4129	"
		DP-4130	"
		DP-4131	"

Notes:

1. Interim Measure Work Plan North (No Suggestions) System Retro Fit (Golder, June 2011)
2. Boeing Plant 2 Seattle/Tukwila, Washington Uplands Corrective Measure Study Volume VIIIb: 2-31 Area Data Gap Investigation Report (EPI et. al., July 2010)
3. Addendum to Interim Measure Work Plan Duct Bank Line in the 2-31/2-40s/2-66 Areas Boeing Plant 2 Seattle/Tukwila, Washington (Golder, December 2010)

Table S3B-2: Crushed Concrete Backfill Analytical Data Summary 2-31, 2-40s, and 2-60s Demolition/Redevelopment Areas

Sample No	Location	Sample Date	Bldg	Location		Data Package	PCB Aroclors (µg/kg)									Total PCBs (ppm)	Avg PCB Concentration (ppm)	Stockpile & In-Situ Running Avg PCB Concentration (ppm)	In-Situ Only Running Avg PCB Concentration (ppm)	Comments
				Easting	Northing		1,016	1,221	1,232	1,242	1,248	1,254	1,260	1,262	1,268					
NON-PULVERIZED SAMPLES																				
P2D-001-CRC-L	Stockpile	3/14/2011		n/a	n/a	SN12	<800U	<800U	<800U	<800U	<800U	<800U	<800U			0	0	0.000		
P2D-002A-CRC-L	Stockpile	3/22/2011		n/a	n/a	SO28	<790U	<790U	<790U	<790U	<790U	<790U	<790U			0	0	0.000		
P2D-002B-CRC-L	Stockpile	3/22/2011		n/a	n/a	SO28	<800U	<800U	<800U	<800U	<800U	<800U	<800U			0				
P2D-002C-CRC-L	Stockpile	3/22/2011		n/a	n/a	SO28	<800U	<800U	<800U	<800U	<800U	<800U	<800U			0				
P2D-002D-CRC-L	Stockpile	3/22/2011		n/a	n/a	SO28	<790U	<790U	<790U	<790U	<790U	<790U	<790U			0				
P2D-003-CRC-L	Stockpile	3/23/2011		n/a	n/a	SO51	<800U	<800U	<800U	<800U	<800U	<800U	870			0.870	0.870	0.290		
P2D-004A-CRC-L	Stockpile	3/23/2011		n/a	n/a	SO51	<790U	<790U	<790U	<790U	<790U	<790U	<790U			0	0	0.218		
P2D-004B-CRC-L	Stockpile	3/23/2011		n/a	n/a	SO51	<800U	<800U	<800U	<800U	<800U	<800U	<800U			0				
P2D-004C-CRC-L	Stockpile	3/23/2011		n/a	n/a	SO51	<800U	<800U	<800U	<800U	<800U	<800U	<800U			0				
P2D-004D-CRC-L	Stockpile	3/23/2011		n/a	n/a	SO51	<790U	<790U	<790U	<790U	<790U	<790U	<790U			0				
P2D-005-CRC-L	Stockpile	3/25/2011		n/a	n/a	SO86	<790U	<790U	<790U	<790U	820	800	1,400			3.020	3.020	0.778		
P2D-006A-CRC-L	Stockpile	3/25/2011		n/a	n/a	SO86	<790U	<790U	<790U	<790U	<790U	<790U	<790U			0	0	0.648		
P2D-006B-CRC-L	Stockpile	3/25/2011		n/a	n/a	SO86	<790U	<790U	<790U	<790U	<790U	<790U	<790U			0				
P2D-006C-CRC-L	Stockpile	3/25/2011		n/a	n/a	SO86	<790U	<790U	<790U	<790U	<790U	<790U	<790U			0				
P2D-006D-CRC-L	Stockpile	3/25/2011		n/a	n/a	SO86	<800U	<800U	<800U	<800U	<800U	<800U	<800U			0				
P2D-007-CRC-L	Stockpile	3/28/2011		n/a	n/a	SP05	<800U	<800U	<800U	<800U	<800U	<800U	<800U			0	0	0.556		
P2D-008A-CRC-L	Stockpile	3/28/2011		n/a	n/a	SP05	<800U	<800U	<800U	<800U	<800U	<800U	<800U			0	0	0.486		
P2D-008B-CRC-L	Stockpile	3/28/2011		n/a	n/a	SP05	<790U	<790U	<790U	<790U	<790U	<790U	<790U			0				
P2D-008C-CRC-L	Stockpile	3/28/2011		n/a	n/a	SP05	<800U	<800U	<800U	<800U	<800U	<800U	<800U			0				
P2D-008D-CRC-L	Stockpile	3/28/2011		n/a	n/a	SP05	<800U	<800U	<800U	<800U	<800U	<800U	<800U			0				
P2D-009-CRC-L	Stockpile	3/30/2011		n/a	n/a	SP47	<790U	<790U	<790U	<790U	990	1,000	1,200			3.190	3.190	0.787		
P2D-010A-CRC-L	Stockpile	3/31/2011		n/a	n/a	SP72	<790U	<790U	<790U	<790U	<790U	<790U	<790U			0	0	0.708		
P2D-010B-CRC-L	Stockpile	3/31/2011		n/a	n/a	SP72	<790U	<790U	<790U	<790U	<790U	<790U	<790U			0				
P2D-010C-CRC-L	Stockpile	3/31/2011		n/a	n/a	SP72	<790U	<790U	<790U	<790U	<790U	<790U	<790U			0				
P2D-010D-CRC-L	Stockpile	3/31/2011		n/a	n/a	SP72	<790U	<790U	<790U	<790U	<790U	<790U	<790U			0				
PULVERIZED SAMPLES (Samples P2D-001-CRC-L thru P2D-010D-CRC-L were re-analyzed after pulverizing to enable lower reporting limits)																	**PULVERIZED AVERAGES**			
P2D-001-CRC-L	Stockpile	3/14/2011		n/a	n/a	SQ34	<31U	<31U	<31U	<31U	94	140	140			0.374	0.374	0.374		
P2D-002A-CRC-L	Stockpile	3/22/2011		n/a	n/a	SQ34	<32U	<32U	<32U	<32U	330	310	960			1.600	0.755	0.565		
P2D-002B-CRC-L	Stockpile	3/22/2011		n/a	n/a	SQ34	<32U	<32U	<32U	<32U	100	150	190			0.440				
P2D-002C-CRC-L	Stockpile	3/22/2011		n/a	n/a	SQ34	<32U	<32U	<32U	<32U	100	160	160			0.420				
P2D-002D-CRC-L	Stockpile	3/22/2011		n/a	n/a	SQ34	<32U	<32U	<32U	<32U	140	180	240			0.560				
P2D-003-CRC-L	Stockpile	3/23/2011		n/a	n/a	SQ34	<31U	<31U	<31U	<31U	140	210	310			0.660	0.660	0.596		
P2D-004A-CRC-L	Stockpile	3/23/2011		n/a	n/a	SQ34	<31U	<31U	<31U	<31U	160	270	180			0.610	0.758	0.637		
P2D-004B-CRC-L	Stockpile	3/23/2011		n/a	n/a	SQ34	<31U	<31U	<31U	<31U	180	320	420			0.920				
P2D-004C-CRC-L	Stockpile	3/23/2011		n/a	n/a	SQ34	<32U	<32U	<32U	<32U	140	240	250			0.630				
P2D-004D-CRC-L	Stockpile	3/23/2011		n/a	n/a	SQ34	<31U	<31U	<31U	<31U	200	310	360			0.870				
P2D-005-CRC-L	Stockpile	3/25/2011		n/a	n/a	SQ34	<310U	<310U	<310U	<310U	1,100	930	3,000			5.030	5.030	1.515		
P2D-006A-CRC-L	Stockpile	3/25/2011		n/a	n/a	SQ34	<31U	<31U	<31U	<31U	160	260	190			0.610	0.458	1.339		
P2D-006B-CRC-L	Stockpile	3/23/2011		n/a	n/a	SQ34	<32U	<32U	<32U	<32U	120	180	100			0.400				
P2D-006C-CRC-L	Stockpile	3/23/2011		n/a	n/a	SQ34	<32U	<32U	<32U	<32U	98	160	84			0.342				
P2D-006D-CRC-L	Stockpile	3/25/2011		n/a	n/a	SQ34	<31U	<31U	<31U	<31U	130	230	120			0.480				
P2D-007-CRC-L	Stockpile	3/28/2011		n/a	n/a	SQ34	<31U	<31U	<31U	<31U	200	340	290			0.830	0.830	1.266		
P2D-008A-CRC-L	Stockpile	3/28/2011		n/a	n/a	SQ34	<32U	<32U	<32U	<32U	<40Y	<95Y	310			0.310	0.313	1.147		
P2D-008B-CRC-L	Stockpile	3/28/2011		n/a	n/a	SQ34	<31U	<31U	<31U	<31U	<39Y	<93Y	270			0.270				
P2D-008C-CRC-L	Stockpile	3/28/2011		n/a	n/a	SQ34	<31U	<31U	<31U	<31U	<38Y	<92Y	310			0.310				
P2D-008D-CRC-l	Stockpile	3/28/2011		n/a	n/a	SQ34	<31U	<31U	<31U	<31U	<39Y	<93Y	360			0.360				
P2D-009-CRC-L	Stockpile	3/30/2011		n/a	n/a	SQ34	<32U	<32U	<32U	<32U	540	620	1,100			2.260	2.260	1.271		
P2D-010A-CRC-L	Stockpile	3/31/2011		n/a	n/a	SQ34	<31U	<31U	<31U	<31U	71	120	150			0.341	0.442	1.188		
P2D-010B-CRC-L	Stockpile	3/31/2011		n/a	n/a	SQ34	<32U	<32U	<32U	<32U	160	230	390			0.780				
P2D-010C-CRC-L	Stockpile	3/31/2011		n/a	n/a	SQ34	<32U	<32U	<32U	<32U	77	140	160			0.377				
P2D-010D-CRC-L	Stockpile	3/31/2011		n/a	n/a	SQ34	<31U	<31U	<31U	<31U	<55Y	140	130			0.270				
P2D-011D-CRC-L	Stockpile	4/1/2011		n/a	n/a	SP96	<31U	<31U	<31U	<31U	130	240	220			0.590	0.590	1.134		
P2D-114-CRC-L	Stockpile	11/23/2011		n/a	n/a	TY91	<160U	<160U	<160U	<160U	170	190	<160U			0.360	0.360	1.069	0.768	
P2D-115-CRC-L	Stockpile	11/23/2011		n/a	n/a	TY91	<150U	<150U	<150U	<150U	250	240	200			0.690	0.690	1.040	0.903	
P2D-116-CRC-L	Stockpile	11/23/2011		n/a	n/a	TY91	<150U	<150U	<150U	<150U	600	440	350			1.390	1.390	1.065	1.010	
P2D-012-CRC-L	Insitu	7/14/2011		1274870.741	196971.537	TE24	<31U	<31U	<31U	<31U	<120Y	300	330			0.630	0.630	1.036	0.630	
P2D-013-CRC-L	Insitu	7/14/2011		1274907.769	196942.761	TE24	<32U	<32U	<32U	<32U	<160Y	390	460			0.850	0.850	1.024	0.740	
P2D-014-CRC-L	Insitu	7/14/2011		1274955.047	196886.485	TE24	<31U	<31U	<31U	<31U	<120Y	330	420			0.750	0.750	1.008	0.743	
P2D-015-CRC-L	Insitu	7/14/2011		1275014.294	196844.848	TE24	<32U	<32U	<32U	<32U	<95Y	230	270			0.500	0.500	0.980	0.683	
P2D-016-CRC-L	Insitu	7/14/2011		1275147.928	196722.440	TE24	<31U	<31U	<31U	<31U	<230Y	470	550			1.020	1.020	0.982	0.750	
P2D-017-CRC-L	Insitu	7/14/2011		1275215.252	196624.202	TE24	<30U	<30U	<30U	<30U	<180Y	380	460			0.840	0.840	0.975	0.765	

Table S3B-2: Crushed Concrete Backfill Analytical Data Summary 2-31, 2-40s, and 2-60s Demolition/Redevelopment Areas

				Location			PCB Aroclors (µg/kg)													
Sample No	Location	Sample Date	Bldg	Easting	Northing	Data Package	1,016	1,221	1,232	1,242	1,248	1,254	1,260	1,262	1,268	Total PCBs (ppm)	Avg PCB Concentration (ppm)	Stockpile & In-Situ Running Avg PCB Concentration (ppm)	In-Situ Only Running Avg PCB Concentration (ppm)	Comments
P2D-018-CRC-L	Insitu	7/15/2011		1275110.338	196891.227	TE35	<32U	<32U	<32U	<32U	250	340	500			1.090	1.090	0.980	0.811	
P2D-019-CRC-L	Insitu	7/15/2011		1275051.079	196874.172	TE35	<32U	<32U	<32U	<32U	240	420	510			1.170	1.170	0.989	0.856	
P2D-020-CRC-L	Insitu	7/15/2011		1275136.030	196860.830	TE35	<31U	<31U	<31U	<31U	<160Y	370	500			0.870	0.870	0.984	0.858	
P2D-021-CRC-L	Insitu	7/15/2011		1275128.102	196797.421	TE35	<32U	<32U	<32U	<32U	<130Y	350	680			1.030	1.030	0.986	0.875	
P2D-022-CRC-L	Insitu	7/15/2011		1275164.677	196748.896	TE35	<50U	<50U	<50U	<50U	<230Y	750	1,700			2.450	2.450	1.044	1.018	
P2D-023-CRC-L	Insitu	7/15/2011		1275205.735	196845.727	TE35	<31U	<31U	<31U	<31U	190	380	410			0.980	0.980	1.042	1.015	
P2D-024-CRC-L	Insitu	7/19/2011		1275146.007	196731.554	TE76	<30U	<30U	<30U	<30U	280	550	540			1.370	1.370	1.054	1.042	
P2D-025-CRC-L	Insitu	7/19/2011		1275217.851	196651.311	TE76	<32U	<32U	<32U	<32U	280	590	440			1.310	1.310	1.063	1.061	
P2D-026-CRC-L	Insitu	7/20/2011		1274944.457	196945.850	TE91	<32U	<32U	<32U	<32U	180	270	380			0.830	0.830	1.055	1.046	
P2D-027-CRC-L	Insitu	7/20/2011		1274999.034	196898.047	TE91	<31U	<31U	<31U	<31U	150	210	230			0.590	0.590	1.040	1.018	
P2D-028-CRC-L	Insitu	7/22/2011		1275029.791	196842.274	TF24	<32U	<32U	<32U	<32U	190	<230Y	550			0.740	0.740	1.030	1.001	
P2D-029-CRC-L	Insitu	7/22/2011		1275088.896	196883.080	TF24	<32U	<32U	<32U	<32U	<230Y	520	200			0.720	0.720	1.020	0.986	
P2D-030-CRC-L	Insitu	7/22/2011		1275327.760	196542.187	TF24	<32U	<32U	<32U	<32U	<120Y	240	160			0.400	0.400	1.001	0.955	
P2D-031-CRC-L	Insitu	7/22/2011		1275050.049	196866.041	TF24	<32U	<32U	<32U	<32U	<240	500	170			0.670	0.670	0.992	0.941	
P2D-032-CRC-L	Insitu	7/29/2011		1275357.233	196552.805	TG21	<380U	<380U	<380U	<380U	<380U	800	460			1.260	1.260	0.999	0.956	
P2D-033-CRC-L	Insitu	7/29/2011		1275211.245	196685.474	TG21	<210U	<210U	<210U	<210U	<210U	340	220			0.560	0.560	0.987	0.938	
P2D-034-CRC-L	Insitu	7/29/2011		1275128.704	196903.502	TG21	<400U	<400U	<400U	<400U	<400U	420	560			0.980	0.980	0.987	0.940	
P2D-035-CRC-L	Insitu	8/30/2011		1275526.033	196396.249	TK47	<32U	<32U	<32U	<32U	93	180	310			0.583	0.583	0.976	0.925	
P2D-036-CRC-L	Insitu	8/30/2011		1275403.850	196500.610	TK47	<32U	<32U	<32U	<32U	130	270	430			0.830	0.830	0.973	0.921	
P2D-037-CRC-L	Insitu	8/30/2011		1275441.390	196736.510	TK47	<32U	<32U	<32U	<32U	160	300	350			0.810	0.810	0.969	0.917	
P2D-038-CRC-L	Insitu	9/8/2011		1275289.108	197084.693	TL49	<32U	<32U	<32U	<32U	<48Y	82	110			0.192	0.192	0.950	0.890	
P2D-039-CRC-L	Insitu	9/8/2011		1275499.226	196602.922	TL49	<31U	<31U	<31U	<31U	<78Y	150	190			0.340	0.340	0.935	0.870	
P2D-040-CRC-L	Insitu	9/8/2011		1275388.800	196725.680	TL49	<32U	<32U	<32U	<32U	<80Y	180	240			0.420	0.420	0.923	0.855	
P2D-041-CRC-L	Insitu	9/8/2011		1275440.720	196900.044	TL49	<32U	<32U	<32U	<32U	<79Y	170	160			0.330	0.330	0.910	0.837	
P2D-042-CRC-L	Insitu	9/22/2011		1275152.135	196941.190	TN61	<80U	<80U	<80U	<80U	<80U	190	200			0.390	0.390	0.898	0.823	
P2D-043-CRC-L	Insitu	9/22/2011		1275331.791	196768.058	TN61	<79U	<79U	<79U	<79U	<79U	170	170			0.340	0.340	0.886	0.808	
P2D-044-CRC-L	Insitu	9/22/2011		1275373.258	196655.176	TN61	<80U	<80U	<80U	<80U	<80U	130	<80U			0.130	0.130	0.870	0.787	
P2D-045-CRC-L	Insitu	9/22/2011		1274962.054	197085.459	TN61	<81U	<81U	<81U	<81U	<81U	290	230			0.520	0.520	0.863	0.779	
P2D-046-CRC-L	Insitu	9/22/2011		1275272.787	196819.864	TN61	<80U	<80U	<80U	<80U	120	270	230			0.620	0.620	0.858	0.775	
P2D-048-CRC-L	Insitu	9/23/2011		1275111.993	197035.324	TN87	<32U	<32U	<32U	<32U	<40Y	76	120			0.196	0.196	0.844	0.759	
P2D-049-CRC-L	Insitu	9/23/2011		1275229.570	196963.083	TN87	<31U	<31U	<31U	<31U	<31U	45	80			0.125	0.125	0.830	0.742	
P2D-050-CRC-L	Insitu	9/23/2011		1275161.298	197171.955	TN87	<31U	<31U	<31U	<31U	<47Y	110	200			0.310	0.310	0.820	0.730	
P2D-051-CRC-L	Insitu	9/23/2011		1275358.819	196958.851	TN87	<32U	<32U	<32U	<32U	<47Y	95	140			0.235	0.235	0.809	0.717	
P2D-052-CRC-L	Insitu	9/23/2011		1275218.312	197023.925	TN87	<160U	<160U	<160U	<160U	<160U	300	270			0.570	0.570	0.805	0.714	
P2D-053-CRC-L	Insitu	9/26/2011		1275489.323	196951.200	TO12	<31U	<31U	<31U	<31U	<47Y	48	80			0.128	0.128	0.793	0.699	
P2D-054-CRC-L	Insitu	9/26/2011		1275565.221	196872.113	TO12	<31U	<31U	<31U	<31U	<47Y	39	90			0.129	0.129	0.781	0.686	
P2D-055-CRC-L	Insitu	9/26/2011		1275396.847	196789.197	TO12	<32U	<32U	<32U	<32U	<32U	36	90			0.126	0.126	0.769	0.673	
P2D-056-CRC-L	Insitu	10/3/2011		1275558.652	196695.924	TP71	<32U	<32U	<32U	<32U	<38Y	70	160			0.230	0.230	0.760	0.663	
P2D-057-CRC-L	Insitu	10/3/2011		1275553.827	196833.456	TP71	<160U	<160U	<160U	<160U	<170Y	350	370			0.720	0.720	0.759	0.664	
P2D-058-CRC-L	Insitu	10/3/2011		1274961.627	196978.603	TP71	<160U	<160U	<160U	<160U	<160U	250	290			0.540	0.540	0.756	0.661	
P2D-059-CRC-L	Insitu	10/7/2011		1275309.464	197186.686	TQ79	<32U	<32U	<32U	<32U	<34Y	66	130			0.196	0.196	0.746	0.651	
P2D-061-CRC-L	Insitu	10/7/2011		1275512.567	197001.908	TQ79	<32	<32	<32	<32	<41Y	77	140			0.217	0.217	0.738	0.642	
P2D-062-CRC-L	Insitu	10/7/2011		1275650.610	196888.461	TQ79	<32	<32	<32	<32	<61Y	120	170			0.290	0.290	0.731	0.635	
P2D-063-CRC-L	Insitu	10/7/2011		1275429.963	197082.980	TQ79	<31U	<31U	<31U	<31U	<57Y	99	170			0.269	0.269	0.724	0.628	
P2D-064-CRC-L	Insitu	10/10/2011		1275613.522	196926.145	TQ94	<160U	<160U	<160U	<160U	<170Y	340	<270Y			0.340	0.340	0.718	0.622	
P2D-065-CRC-L	Insitu	10/10/2011		1275247.880	197250.716	TQ94	<160U	<160U	<160U	<160U	<160U	<160U	300			0.300	0.300	0.711	0.616	
P2D-066-CRC-L	Insitu	10/10/2011		1275368.880	197115.830	TQ94	<160U	<160U	<160U	<160U	<160U	<160U	360			0.360	0.360	0.706	0.611	
P2D-067-CRC-L	Insitu	10/10/2011		1275465.094	197031.400	TQ94	<160U	<160U	<160U	<160U	<160U	<160U	320			0.320	0.320	0.700	0.606	
P2D-068-CRC-L	Insitu	10/10/2011		1275650.687	196899.835	TQ94	<160U	<160U	<160U	<160U	<160U	<160U	310			0.310	0.310	0.695	0.600	
P2D-069-CRC-L	Insitu	10/12/2011		1275260.356	197242.352	TR81	<160U	<160U	<160U	<160U	<160U	220	270			0.490	0.490	0.692	0.599	
P2D-071-CRC-L	Insitu	10/12/2011		1275609.779	196891.861	TR81	<160U	<160U	<160U	<160U	<160U	290	280			0.570	0.570	0.690	0.598	
P2D-072-CRC-L	Insitu	10/12/2011		1275687.150	196811.966	TR81	<160U	<160U	<160U	<160U	<160U	260	260			0.520	0.520	0.688	0.597	
P2D-073-CRC-L	Insitu	10/12/2011		1275282.938	197149.901	TR81	<150U	<150U	<150U	<150U	<150U	200	240			0.440	0.440	0.684	0.594	
P2D-074-CRC-L	Insitu	10/12/2011		1275393.232	197021.958	TR81	<160U	<160U	<160U	<160U	<160U	250	250			0.500	0.500	0.682	0.592	
P2D-075-CRC-L	Insitu	10/12/2011		1275525.530	196926.870	TR81	<160U	<160U	<160U	<160U	<160U	210	350			0.560	0.560	0.680	0.592	
P2D-076-CRC-L	Insitu	10/14/2011		1275489.042	197055.974	TS24	<30U	<30U	<30U	<30U	<91Y	220	510			0.730	0.730	0.681	0.594	
P2D-077-CRC-L	Insitu	10/14/2011		1275181.382	197321.806	TS24	<31U	<31U	<31U	<31U	<46Y	110	130			0.240	0.240	0.675	0.589	
P2D-078-CRC-L	Insitu	10/17/2011		1275376.852	197146.666	TS40	<32U	<32U	<32U	<32U	<48Y	110	140			0.250	0.250	0.670	0.583	
P2D-079-CRC-L	Insitu	10/17/2011		1275301.968	197215.064	TS40	<160U	<160U	<160U	<160U	<160U	180	560			0.740	0.740	0.671	0.586	
P2D-080-CRC-L	Insitu	10/17/2011		1275221.773	197288.421	TS40	<31U	<31U	<31U	<31U	<120Y	280	180			0.460	0.460	0.668	0.584	
P2D-082-CRC-L	Insitu	10/19/2011		1275157.120	197281.140	TS79	<160U	<160U	<160U	<160U	<160U	230	<160U			0.230	0.230	0.663	0.578	
P2D-083-CRC-L	Insitu	10/19/2011		1275310.727	197434.402	TS79	<160U	<160U	<160U	<160U	<160U	340	440			0.780	0.780	0.664	0.581	
P2D-084-CRC-L	Insitu	10/19/2011		1275398.711	197523.021	TS79	<160U	<160U	<160U	<160U	<240Y	780	420			1.200	1.200	0.670	0.590	
P2D-085-CRC-L	Insitu	10/20/2011		1275548.130	197009.087	TT06	<32U	<32U	<32U	<32U	44	62	120			0.226	0.226	0.665	0.585	

Table S3B-2: Crushed Concrete Backfill Analytical Data Summary 2-31, 2-40s, and 2-60s Demolition/Redevelopment Areas

				Location			PCB Aroclors (µg/kg)													
Sample No	Location	Sample Date	Bldg	Easting	Northing	Data Package	1,016	1,221	1,232	1,242	1,248	1,254	1,260	1,262	1,268	Total PCBs (ppm)	Avg PCB Concentration (ppm)	Stockpile & In-Situ Running Avg PCB Concentration (ppm)	In-Situ Only Running Avg PCB Concentration (ppm)	Comments
P2D-086-CRC-L	Insitu	10/26/2011		1275878.177	196736.855	TT91	<62U	<62U	<62U	<62U	2,200	820	230			3.250	3.250	0.696	0.623	
P2D-087-CRC-L	Insitu	10/26/2011		1275808.788	196759.835	TT91	<63U	<63U	<63U	<63U	1,200	540	200			1.940	1.940	0.710	0.641	
P2D-088-CRC-L	Insitu	10/26/2011		1275750.313	196795.546	TT91	<1,000U	<1,000U	<1,000U	<1,000U	23,000	11,000	1,800			**35.800**				**Removed**
P2D-088.01-CRC-L	Insitu	11/29/2011		1275749.054	196797.826	TZ35	<320U	<320U	<320U	<320U	5,500	<2,200Y	410			5.910	5.910	0.770	0.713	Confirmation Sample for removal excavation at P2D-088
P2D-088.02-CRC-L	Insitu	11/29/2011		1275743.692	196783.461	TZ35	<62U	<62U	<62U	<62U	1,900	<770Y	230			2.130	2.130	0.785	0.732	Confirmation Sample for removal excavation at P2D-088
P2D-088.03-CRC-L	Insitu	11/29/2011		1275755.081	196786.502	TZ35	<63U	<63U	<63U	<63U	2,800	<1,100Y	260			3.060	3.060	0.811	0.763	Confirmation Sample for removal excavation at P2D-088
P2D-088.04-CRC-L	Insitu	11/29/2011		1275758.165	196797.663	TZ35	<320U	<320U	<320U	<320U	7,400	<2,800Y	490			7.890	7.890	0.889	0.857	Confirmation Sample for removal excavation at P2D-088
P2D-089-CRC-L	Insitu	10/26/2011		1275400.046	197336.800	TT91	<63U	<63U	<63U	<63U	750	350	280			1.380	1.380	0.895	0.864	
P2D-090-CRC-L	Insitu	10/27/2011		1275862.658	196694.954	TU09	<63U	<63U	<63U	<63U	480	320	160			0.960	0.960	0.896	0.865	
P2D-092-CRC-L	Insitu	10/27/2011		1275756.641	196836.712	TU09	<320U	<320U	<320U	<320U	7,300	4,500	1,000			**12.800**				**Removed**
P2D-092.01-CRC-L	Insitu	11/30/2011		1275750.052	196827.818	TZ48	<63U	<63U	<63U	<63U	920	560	280			1.760	1.760	0.905	0.876	Confirmation Sample for removal excavation at P2D-092
P2D-092.02-CRC-L	Insitu	11/30/2011		1275751.476	196840.080	TZ48	<63U	<63U	<63U	<63U	500	360	320			1.180	1.180	0.908	0.880	Confirmation Sample for removal excavation at P2D-092
P2D-092.03-CRC-L	Insitu	11/30/2011		1275763.090	196843.296	TZ48	<63U	<63U	<63U	<63U	2,300	1,200	330			3.830	3.830	0.939	0.917	Confirmation Sample for removal excavation at P2D-092
P2D-092.04-CRC-L	Insitu	11/30/2011		1275759.955	196830.859	TZ48	<63U	<63U	<63U	<63U	2,100	980	280			3.360	3.360	0.964	0.946	Confirmation Sample for removal excavation at P2D-092
P2D-093-CRC-L	Insitu	10/27/2011		1275870.440	196739.750	TU09	<210U	<210U	<210U	<210U	4,900	3,200	550			8.650	8.650	1.043	1.039	
P2D-094-CRC-L	Insitu	10/27/2011		1275883.420	196703.652	TU09	<60U	<60U	<60U	<60U	1,200	730	200			2.130	2.130	1.054	1.052	
P2D-095-CRC-L	Insitu	10/31/2011		1275805.186	196803.215	TU63	<60U	<60U	<60U	<60U	720	660	270			1.650	1.650	1.060	1.059	
P2D-096-CRC-L	Insitu	10/31/2011		1275581.712	197350.419	TU63	<64U	<64U	<64U	<64U	1,100	430	200			1.730	1.730	1.067	1.067	
P2D-097-CRC-L	Insitu	10/31/2011		1275562.793	197201.240	TU63	<62U	<62U	<62U	<62U	1,100	760	270			2.130	2.130	1.077	1.079	
P2D-098-CRC-L	Insitu	11/2/2011		1275773.034	196747.926	TV15	<8,100U	<8,100U	<8,100U	<8,100U	32,200	16,000	<8,100U			**48.200**				**Removed**
P2D-098.01-CRC-L	Insitu	12/1/2011		1275780.448	196755.414	TZ63	<310U	<310U	<310U	<310U	9,500	<3,900Y	650			**10.150**				**Removed**
P2D-098.01a-CRC-L	Insitu	8/22/2012		1275785.160	196759.690	BNZ72-1330698	<740U	<740U	<740U	<740U	3,300	1,700	<740U			5.000	5.000	1.116	1.124	Confirmation Sample for re-excavation at P2D-098.01
P2D-098.01b-CRC-L	Insitu	8/22/2012		1275789.260	196756.250	BNZ72-1330698	<37U	<37U	<37U	<37U	210	240	180			0.630	0.630	1.111	1.118	Confirmation Sample for re-excavation at P2D-098.01
P2D-098.01c-CRC-L	Insitu	8/22/2012		1275788.100	196762.960	BNZ72-1330698	<76U	<76U	<76U	<76U	510	450	210			1.170	1.170	1.112	1.119	Confirmation Sample for re-excavation at P2D-098.01
P2D-098.01d-CRC-L	Insitu	8/22/2012		1275780.370	196763.230	BNZ72-1330698	<38U	<38U	<38U	<38U	450	420	240			1.110	1.110	1.112	1.119	Confirmation Sample for re-excavation at P2D-098.01
P2D-098.02-CRC-L	Insitu	12/1/2011		1275771.360	196753.102	TZ63	<30U	<30U	<30U	<30U	1,200	<520U	210			1.410	1.410	1.114	1.122	Confirmation Sample for removal excavation at P2D-098
P2D-098.03-CRC-L	Insitu	12/1/2011		1275768.393	196744.172	TZ63	<310U	<310U	<310U	<310U	2,900	<1,400Y	320			3.220	3.220	1.134	1.145	Confirmation Sample for removal excavation at P2D-098
P2D-098.04-CRC-L	Insitu	12/1/2011		1275779.003	196745.348	TZ63	<310U	<310U	<310U	<310U	6,100	<2,300Y	640			6.740	6.740	1.186	1.204	Confirmation sample for removal excavation at P2D-098
P2D-099-CRC-L	Insitu	11/2/2011		1275791.506	196817.371	TV15	<32U	<32U	<32U	<32U	150	140	170			0.460	0.460	1.179	1.196	
P2D-100-CRC-L	Insitu	11/4/2011		1275417.045	197227.873	TV77	<160U	<160U	<160U	<160U	650	420	310			1.380	1.380	1.181	1.198	
P2D-101-CRC-L	Insitu	11/4/2011		1275502.504	197133.906	TV77	<160U	<160U	<160U	<160U	240	310	310			0.860	0.860	1.178	1.195	
P2D-102-CRC-L	Insitu	11/4/2011		1275578.229	196995.096	TV77	<160U	<160U	<160U	<160U	500	370	310			1.180	1.180	1.178	1.195	
P2D-103-CRC-L	Insitu	11/10/2011		1275714.302	196894.298	TW47	<63U	<63U	<63U	<63U	1,900	<630Y	320			2.220	2.220	1.188	1.205	
P2D-104-CRC-L	Insitu	11/10/2011		1275694.183	196980.075	TW47	<310U	<310U	<310U	<310U	3,400	<1,200Y	370			3.770	3.770	1.210	1.231	
P2D-105-CRC-L	Insitu	11/10/2011		1275664.805	197054.449	TW47	<63U	<63U	<63U	<63U	2,000	<790Y	270			2.270	2.270	1.219	1.241	
P2D-106-CRC-L	Insitu	11/10/2011		1275703.580	197182.397	TW47	<200U	<200U	<200U	<200U	7,700	<2,800Y	960			8.660	8.660	1.284	1.314	
P2D-107-CRC-L	Insitu	11/15/2011		1275811.578	197119.967	TX18	<310U	<310U	<310U	<310U	2,400	1,600	740			4.740	4.740	1.313	1.347	
P2D-108-CRC-L	Insitu	11/15/2011		1275924.400	197003.308	TX18	<160U	<160U	<160U	<160U	480	<310Y	720			1.200	1.200	1.312	1.345	
P2D-109-CRC-L	Insitu	11/15/2011		1275767.930	196986.844	TX18	<300U	<300U	<300U	<300U	3,400	<1,200Y	480			3.880	3.880	1.334	1.370	
P2D-110-CRC-L	Insitu	11/16/2011		1275890.363	197014.612	TX53	<160U	<160U	<160U	<160U	880	580	250			1.710	1.710	1.337	1.373	
P2D-111-CRC-L	Insitu	11/16/2011		1275960.340	196930.146	TX53	<160U	<160U	<160U	<160U	620	530	240			1.390	1.390	1.337	1.373	
P2D-113-CRC-L	Insitu	11/16/2011		1276055.855	196848.199	TX53	<160U	<160U	<160U	<160U	710	380	220			1.310	1.310	1.337	1.372	
P2D-117-CRC-L	Insitu	12/6/2011		1276036.770	196904.517	UA25	<160U	<160U	<160U	<160U	1,200	570	190			1.960	1.960	1.342	1.378	
P2D-118-CRC-L	Insitu	12/6/2011		1275925.011	196845.525	UA25	<160U	<160U	<160U	<160U	160	340	290			0.790	0.790	1.338	1.372	
P2D-119-CRC-L	Insitu	12/6/2011		1275857.236	196873.273	UA25	<160U	<160U	<160U	<160U	<240Y	390	320			0.710	0.710	1.333	1.366	
P2D-120-CRC-L	Insitu	12/12/2011		1275974.53	196757.738	UA89	<32U	<32U	<32U	<32U	470	550	270			1.290	1.290	1.332	1.366	
P2D-121-CRC-L	Insitu	12/12/2011		1275835.773	196681.106	UA89	<32U	<32U	<32U	<32U	210	320	320			0.850	0.850	1.329	1.361	
P2D-122-CRC-L	Insitu	12/12/2011		1275695.777	196674.65	UA89	<32U	<32U	<32U	<32U	250	350	280			0.880	0.880	1.325	1.357	
P2D-124-CRC-L	Insitu	12/14/2011		1275733.444	196573.158	UB34	<30U	<30U	<30U	<30U	92	160	250			0.502	0.502	1.319	1.350	
P2D-125-CRC-L	Insitu	12/14/2011		1275630.654	196525.645	UB34	<30U	<30U	<30U	<30U	170	280	210			0.660	0.660	1.314	1.344	
P2D-126-CRC-L	Insitu	3/6/2012		1275462.84	196522.44	BNW69-1293650	6.7U	6.7U	6.7U	6.7U	120	82	100			0.302	0.302	1.306	1.335	
P2D-127-CRC-L	Insitu	3/6/2012		1275430.20	196739.80	BNW69-1293650	6.7U	6.7U	6.7U	6.7U	60	120	65			0.245	0.245	1.298	1.325	
P2D-128-CRC-L	Insitu	3/6/2012		1275384.66	196586.42	BNW69-1293650	6.7U	6.7U	6.7U	6.7U	69	120	93			0.282	0.282	1.290	1.317	
P2D-CRC-129-L	Insitu	5/23/2012		1275692.63	197261.80	BNX68-1311239	37U	37U	37U	37U	37U	240	160			0.400	0.400	1.284	1.309	
P2D-CRC-130-L	Insitu	5/23/2012		1275141.50	197000.57	BNX68-1311239	7.3U	7.3U	7.3U	7.3U	7.3U	110	82			0.192	0.192	1.275	1.300	
P2D-CRC-131-L	Insitu	5/23/2012		1274973.55	197152.84	BNX68-1311239	36U	36U	36U	36U	36U	36U	220			0.220	0.220	1.268	1.291	
P2D-CRC-132-L	Insitu	5/24/2012		1276033.55	196825.21	BNX70-1311533	7.4U	7.4U	7.4U	7.4U	83	91	63			0.237	0.237	1.260	1.282	
P2D-CRC-133-L	Insitu	5/24/2012		1276261.29	196680.90	BNX70-1311533	7.2U	7.2U	7.2U	7.2U	7.2U	130	150			0.280	0.280	1.253	1.274	
P2D-CRC-134-L	Insitu	5/24/2012		1276153.60	196503.29	BNX70-1311533	7.3U	7.3U	7.3U	7.3U	7.3U	75	73			0.148	0.148	1.245	1.265	
P2D-135-CRC-L	Insitu	5/30/2012		1275950.10	196674.76	BNX74-1312536	36U	36U	36U	36U	140	85	96			0.321	0.321	1.239	1.258	
P2D-136-CRC-L	Insitu	5/30/2012		1275870.03	196597.26	BNX74-1312536	36U	36U	36U	36U	140	89	75			0.304	0.304	1.232	1.250	
P2D-138-CRC-L	Insitu	6/5/2012		1275812.26	196308.99	BNX80-1313685	38U	38U	38U	38U	150	120	120			0.390	0.390	1.226	1.244	
P2D-139-CRC-L	Insitu	6/5/2012		1275915.74	196487.74	BNX80-1313685	38U	38U	38U	38U	91	83	150			0.324	0.324	1.220	1.236	
P2D-140-CRC-L	Insitu	6/7/2012		1276287.84	196662.24	BNX81- 1314384	36U	36U	36U	36U	59	93	73			0.225	0.225	1.213	1.229	

Table S3B-2: Crushed Concrete Backfill Analytical Data Summary 2-31, 2-40s, and 2-60s Demolition/Redevelopment Areas

				Location			PCB Aroclors (µg/kg)													
Sample No	Location	Sample Date	Bldg	Easting	Northing	Data Package	1,016	1,221	1,232	1,242	1,248	1,254	1,260	1,262	1,268	Total PCBs (ppm)	Avg PCB Concentration (ppm)	Stockpile & In-Situ Running Avg PCB Concentration (ppm)	In-Situ Only Running Avg PCB Concentration (ppm)	Comments
P2D-141-CRC-L	Insitu	6/7/2012		1276118.99	196534.00	BNX81- 1314384	7.3U	7.3U	7.3U	7.3U	22	59	65			0.146	0.146	1.205	1.220	
P2D-142-CRC-L	Insitu	6/7/2012		1276220.28	196371.85	BNX81- 1314384	36U	36U	36U	36U	85	72	190			0.347	0.347	1.199	1.214	
P2D-143-CRC-L	Insitu	6/13/2012		1276043.55	196145.59	BNX93-1315685	38U	38U	38U	38U	130	120	140			0.390	0.390	1.194	1.208	
P2D-144-CRC-L	Insitu	6/13/2012		1276104.22	196333.99	BNX93-1315685	7.2U	7.2U	7.2U	7.2U	100	110	150			0.360	0.360	1.188	1.201	
P2D-145-CRC-L	Insitu	6/13/2012		1276023.76	196692.06	BNX93-1315685	7.5U	7.5U	7.5U	7.5U	66	61	68			0.195	0.195	1.182	1.194	
P2D-146-CRC-L	Insitu	6/14/2012		1276256.68	196458.54	BNX97-1316041	35U	35U	35U	35U	110	97	130			0.337	0.337	1.176	1.187	
P2D-147-CRC-L	Insitu	6/14/2012		1276141.14	196252.69	BNX97-1316041	35U	35U	35U	35U	180	120	160			0.460	0.460	1.171	1.182	
P2D-148-CRC-L	Insitu	6/14/2012		1276161.43	196427.17	BNX97-1316041	35U	35U	35U	35U	130	120	120			0.370	0.370	1.166	1.176	
P2D-149-CRC-L	Insitu	6/14/2012		1276179.95	196637.73	BNX97-1316041	36U	36U	36U	36U	190	110	150			0.450	0.450	1.161	1.171	
P2D-150-CRC-L	Insitu	6/15/2012		1276166.14	196774.68	BNZ04-1316302	7.7U	7.7U	7.7U	7.7U	49	51	47			0.147	0.147	1.155	1.164	
P2D-151-CRC-L	Insitu	6/15/2012		1275808.97	196562.69	BNZ04-1316302	7.7U	7.7U	7.7U	7.7U	28	36	39			0.103	0.103	1.148	1.156	
P2D-152-CRC-L	Insitu	6/15/2012		1275014.88	196936.46	BNZ04-1316302	7.5U	7.5U	7.5U	7.5U	140	83	49			0.272	0.272	1.142	1.150	
P2D-153-CRC-L	Insitu	6/15/2012		1275182.34	196874.18	BNZ04-1316302	7.7U	7.7U	7.7U	7.7U	27	29	24			0.080	0.080	1.136	1.143	
P2D-154-CRC-L	Insitu	6/15/2012		1276067.02	196600.35	BNZ04-1316302	7.2U	7.2U	7.2U	7.2U	80	74	69			0.223	0.223	1.130	1.136	
P2D-155-CRC-L	Insitu	7/25/2012		1274941.937	197050.814	BNZ39-1324541	36U	36U	36U	36U	47	82	75			0.204	0.204	1.124	1.130	
P2D-156-CRC-L	Insitu	7/25/2012		1274849.953	197071.684	BNZ39-1324541	35U	35U	35U	35U	180	120	70			0.370	0.370	1.119	1.125	
P2D-157-CRC-L	Insitu	7/25/2012		1274838.97	197197.16	BNZ39-1324541	36U	36U	36U	36U	55	130	72			0.257	0.257	1.114	1.119	
P2D-158-CRC-L	Insitu	7/25/2012		1275016.091	196831.327	BNZ39-1324541	36U	36U	36U	36U	96	120	87			0.303	0.303	1.109	1.113	
P2D-159-CRC-L	Insitu	8/1/2012		1275987.85	196334.33	BNZ45-1326072	37U	37U	37U	37U	190	120	63			0.373	0.373	1.104	1.108	
P2D-160-CRC-L	Insitu	8/1/2012		1275818.81	196459.99	BNZ45-1326072	37U	37U	37U	37U	330	160	81			0.571	0.571	1.101	1.105	
P2D-161-CRC-L	Insitu	8/1/2012		1275273.52	196632.67	BNZ45-1326072	7.3U	7.3U	7.3U	7.3U	120	83	59			0.262	0.262	1.096	1.099	
P2D-162-CRC-L	Insitu	8/2/2012		1275437.00	196467.22	BNZ53-1326630	7.4U	7.4U	7.4U	7.4U	85	61	44			0.190	0.190	1.091	1.093	
P2D-164-CRC-L	Insitu	8/2/2012		1275995.91	196610.70	BNZ51-1326356	7.3U	7.3U	7.3U	7.3U	120	69	37			0.226	0.226	1.085	1.087	
P2D-165-CRC-L	Insitu	8/2/2012		1275949.21	196398.95	BNZ51-1326356	37U	37U	37U	37U	220	110	54			0.384	0.384	1.081	1.083	
P2D-166-CRC-L	Insitu	8/2/2012		1275974.47	196319.51	BNZ51-1326356	36U	36U	36U	36U	180	99	54			0.333	0.333	1.077	1.078	
P2D-167-CRC-L	Insitu	8/10/2012		1275936.79	196098.23	BNZ60-1328244	7.4U	7.4U	7.4U	7.4U	70	110	78			0.258	0.258	1.072	1.073	
P2D-169-CRC-L	Insitu	8/10/2012		1275804.28	196325.05	BNZ61-1328243	150U	150U	150U	150U	210	360	150			0.720	0.720	1.070	1.070	

Am Test Inc.
13600 NE 126TH PL
Suite C
Kirkland, WA 98034
(425) 885-1664
www.amtestlab.com

AMTEST LABORATORIES

Professional Analytical Services

ANALYSIS REPORT

Cadman
7554 185th Ave NE
Redmond, WA 98052
Attention: Mitch San Sebastian
All results reported on a dry weight basis.

Date Received: 07/07/11
Date Reported: 7/12/11

AMTEST Identification Number **11-A009388**
Client Identification **Gravel Barrow - Black Diamond**
Sampling Date **07/06/11**

Conventionals dry weight

PARAMETER	RESULT	UNITS	Q	D.L.	METHOD	ANALYST	DATE
Hexavalent Chromium	< 0.16	ug/g		0.16	SM 3500-Cr D	NLN	07/11/11

Conventionals

PARAMETER	RESULT	UNITS	Q	D.L.	METHOD	ANALYST	DATE
Total Solids	94.7	%		0.1	SM 2540G	NLN	07/11/11

Minerals

PARAMETER	RESULT	UNITS	Q	D.L.	METHOD	ANALYST	DATE
Calcium	3900	ug/g		1.35	SW-846 6010B	HL	07/12/11
Potassium	380	ug/g		2.70	SW-846 6010B	HL	07/12/11
Magnesium	7200	ug/g		1.35	SW-846 6010B	HL	07/12/11
Sodium	215.4	ug/g		1.35	SW-846 6010B	HL	07/12/11

Cadman
Project Name:
AmTest ID: 11-A009388

Total Metals

PARAMETER	RESULT	UNITS	Q	D.L.	METHOD	ANALYST	DATE
Acid Digestion	Y				SW-846 3050B	HL	07/08/11
Silver	< 1.4	ug/g		0.270	SW-846 6010B	HL	07/12/11
Aluminum	15900	ug/g		0.270	SW-846 6010B	HL	07/12/11
Arsenic	2.27	ug/g		0.270	SW-846 6010B	HL	07/12/11
Boron	< 1.35	ug/g		1.35	SW-846 6010B	HL	07/12/11
Barium	32.0	ug/g		0.013	SW-846 6010B	HL	07/12/11
Beryllium	0.243	ug/g		0.013	SW-846 6010B	HL	07/12/11
Cadmium	0.6441	ug/g		0.013	SW-846 6010B	HL	07/12/11
Cobalt	8.26	ug/g		0.027	SW-846 6010B	HL	07/12/11
Chromium	31.9	ug/g		0.027	SW-846 6010B	HL	07/12/11
Copper	23.7	ug/g		0.027	SW-846 6010B	HL	07/12/11
Iron	20700	ug/g		0.135	SW-846 6010B	HL	07/12/11
Mercury	< 1.35	ug/g		0.270	SW-846 6010B	HL	07/12/11
Lithium	15.1	ug/g		0.135	SW-846 6010B	HL	07/12/11
Manganese	488.	ug/g		0.013	SW-846 6010B	HL	07/12/11
Molybdenum	3.97	ug/g		0.135	SW-846 6010B	HL	07/12/11
Nickel	24.1	ug/g		0.135	SW-846 6010B	HL	07/12/11
Phosphorus	324.	ug/g		0.270	SW-846 6010B	HL	07/12/11
Lead	< 1.35	ug/g		0.270	SW-846 6010B	HL	07/12/11
Sulfur	111.	ug/g		1.35	SW-846 6010B	HL	07/12/11
Antimony	4.49	ug/g		0.270	SW-846 6010B	HL	07/12/11
Selenium	< 1.35	ug/g		0.270	SW-846 6010B	HL	07/12/11
Silicon	359.	ug/g		1.35	SW-846 6010B	HL	07/12/11
Tin	< 0.676	ug/g		0.135	SW-846 6010B	HL	07/12/11
Strontium	16.7	ug/g		0.013	SW-846 6010B	HL	07/12/11
Titanium	339.	ug/g		0.027	SW-846 6010B	HL	07/12/11
Thallium	< 1.35	ug/g		0.270	SW-846 6010B	HL	07/12/11
Vanadium	31.4	ug/g		0.135	SW-846 6010B	HL	07/12/11
Yttrium	< 0.0634	ug/g		0.013	SW-846 6010B	HL	07/12/11
Zinc	39.3	ug/g		0.027	SW-846 6010B	HL	07/12/11

NWTPH-Dx (Soil)

PARAMETER	RESULT	UNITS	Q	D.L.	METHOD	ANALYST	DATE
Diesel	< 25	mg/kg		25.	WDOE NWTPH-Dx	MO	07/11/11
Heavy Oil	< 50	mg/kg		50.	WDOE NWTPH-Dx	MO	07/11/11

Surrogates

ANALYTE	% RECOVERY	LIMITS
Bromofluorobenzene	56.2 %	50.0 - 150.
2-Fluorobiphenyl	70.8 %	50.0 - 150.

Aaron W. Young
Laboratory Manager

September 22, 2011

Gary Merlino Construction
Attn: Brian Gabelien
9125 10th Avenue S
Seattle, WA 98108

PROJECT: Plant 2 South Shoreline Stormwater

RE: Clean Resource Verification
State Pit I.D. # B-231

Dear Mr. Gabelien,

City Transfer, Inc. has operated the Sumner gravel pit # B-231 since first permitted in 1978. This resource is permitted for crushing and washing production of WSDOT certified materials. The resource is not permitted for asphalt production or recycling.

Phase 1 environmental study was performed in conjunction with source approval for the Port of Seattle Third Runway project.

To the best of my knowledge, pit operations have not incurred any environmental accidents, spills, or waste. The resource does not receive any environmentally sensitive materials such as asphalt, concrete, or unsuitables.

Should you have any questions or require additional information, please let me know.

Best Regards,

Keith R. Benson
President

P.O. Box 1850 * Sumner, WA 98390-0400
2720 E. Valley Hwy. East * Sumner, WA 98390 * Seattle (253) 850-1775 * Tacoma (253) 863-4556 * Fax (253) 850-1797

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS
Page 1 of 1

Sample ID: SP-1
SAMPLE

Lab Sample ID: TN93A
LIMS ID: 11-21000
Matrix: Soil
Data Release Authorized:
Reported: 09/27/11

QC Report No: TN93-Gary Merlino Construction Co Inc
Project: CTI Sumner

Date Sampled: 09/23/11
Date Received: 09/23/11

Percent Total Solids: 96.38

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	09/26/11	6010B	09/26/11	7440-36-0	Antimony	5	5	U
3050B	09/26/11	6010B	09/26/11	7440-38-2	Arsenic	5	8	
3050B	09/26/11	6010B	09/26/11	7440-39-3	Barium	0.3	61.9	
3050B	09/26/11	6010B	09/26/11	7440-41-7	Beryllium	0.1	0.2	
3050B	09/26/11	6010B	09/26/11	7440-43-9	Cadmium	0.2	0.2	U
3050B	09/26/11	6010B	09/26/11	7440-47-3	Chromium	0.5	19.2	
3050B	09/26/11	6010B	09/26/11	7440-50-8	Copper	0.2	28.9	
3050B	09/26/11	6010B	09/26/11	7439-92-1	Lead	2	3	
CLP	09/26/11	7471A	09/26/11	7439-97-6	Mercury	0.02	0.02	U
3050B	09/26/11	6010B	09/26/11	7440-02-0	Nickel	1	16	
3050B	09/26/11	6010B	09/26/11	7782-49-2	Selenium	5	5	U
3050B	09/26/11	6010B	09/26/11	7440-22-4	Silver	0.3	0.3	U
3050B	09/26/11	6010B	09/26/11	7440-28-0	Thallium	5	5	U
3050B	09/26/11	6010B	09/26/11	7440-66-6	Zinc	1	38	

U-Analyte undetected at given RL
RL-Reporting Limit

FORM-I

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS
Page 1 of 1

Sample ID: LAB CONTROL

Lab Sample ID: TN93LCS
LIMS ID: 11-21000
Matrix: Soil
Data Release Authorized:
Reported: 09/27/11

QC Report No: TN93-Gary Merlino Construction Co Inc
Project: CTI Sumner

Date Sampled: NA
Date Received: NA

BLANK SPIKE QUALITY CONTROL REPORT

Analyte	Analysis Method	Spike Found	Spike Added	% Recovery	Q
Antimony	6010B	198	200	99.0%	
Arsenic	6010B	196	200	98.0%	
Barium	6010B	192	200	96.0%	
Beryllium	6010B	47.4	50.0	94.8%	
Cadmium	6010B	49.8	50.0	99.6%	
Chromium	6010B	49.1	50.0	98.2%	
Copper	6010B	49.9	50.0	99.8%	
Lead	6010B	194	200	97.0%	
Mercury	7471A	0.26	0.25	104%	
Nickel	6010B	48	50	96.0%	
Selenium	6010B	192	200	96.0%	
Silver	6010B	50.7	50.0	101%	
Thallium	6010B	192	200	96.0%	
Zinc	6010B	48	50	96.0%	

Reported in mg/kg-dry

N-Control limit not met
NA-Not Applicable, Analyte Not Spiked
Control Limits: 80-120%

FORM-VII

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS
Page 1 of 1

Sample ID: METHOD BLANK

Lab Sample ID: TN93MB
LIMS ID: 11-21000
Matrix: Soil
Data Release Authorized:
Reported: 09/27/11

QC Report No: TN93-Gary Merlino Construction Co Inc
Project: CTI Sumner

Date Sampled: NA
Date Received: NA

Percent Total Solids: NA

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	09/26/11	6010B	09/26/11	7440-36-0	Antimony	5	5	U
3050B	09/26/11	6010B	09/26/11	7440-38-2	Arsenic	5	5	U
3050B	09/26/11	6010B	09/26/11	7440-39-3	Barium	0.3	0.3	U
3050B	09/26/11	6010B	09/26/11	7440-41-7	Beryllium	0.1	0.1	U
3050B	09/26/11	6010B	09/26/11	7440-43-9	Cadmium	0.2	0.2	U
3050B	09/26/11	6010B	09/26/11	7440-47-3	Chromium	0.5	0.5	U
3050B	09/26/11	6010B	09/26/11	7440-50-8	Copper	0.2	0.2	U
3050B	09/26/11	6010B	09/26/11	7439-92-1	Lead	2	2	U
CLP	09/26/11	7471A	09/26/11	7439-97-6	Mercury	0.02	0.02	U
3050B	09/26/11	6010B	09/26/11	7440-02-0	Nickel	1	1	U
3050B	09/26/11	6010B	09/26/11	7782-49-2	Selenium	5	5	U
3050B	09/26/11	6010B	09/26/11	7440-22-4	Silver	0.3	0.3	U
3050B	09/26/11	6010B	09/26/11	7440-28-0	Thallium	5	5	U
3050B	09/26/11	6010B	09/26/11	7440-66-6	Zinc	1	1	U

U-Analyte undetected at given RL
RL-Reporting Limit

FORM-I