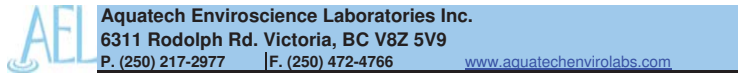


## Appendix 7 AEL Data

This Page Left Intentionally Blank



10-Jun-13 Page: 1 of 1

Contract:

**Client: Christopher Martin**  
 Fisheries Biologist & Environmental Consultant  
 Infrastructure and Environment  
 BC Business Unit, WorleyParsons Canada  
 Tel: +1 778 945 5379 | Fax: +1 604 298 1625  
 #600-4321 | Still Creek Drive | Burnaby, British Columbia V5C 6S7 | Canada  
[Christopher.Martin@worleyparsons.com](mailto:Christopher.Martin@worleyparsons.com) <<mailto:Christopher.Martin@worleyparsons.com>>  
[www.worleyparsons.com](http://www.worleyparsons.com) <<http://www.worleyparsons.com/>>

**Mary Lou Lauria, Ph.D**  
 EA Lead Canada, Managing Consultant Environmental Management  
 BC Business Unit  
 Infrastructure & Environment Operations, WorleyParsons Canada  
 Tel: +1 604 298 1616 | Mob: +1 778 986 6116 | Fax: +1 604 298 1625 | Direct: +1 778 945 5340  
 Suite 600 | 4321 Still Creek Drive | Burnaby, BC V5C 6S7 | Canada  
[marylou.lauria@worleyparsons.com](mailto:marylou.lauria@worleyparsons.com) <<mailto:jason.tielker@worleyparsons.com>> | [www.worleyparsons.com](http://www.worleyparsons.com) <<http://www.worleyparsons.com/>>

No.	Name	Sample Total Dry Weigh gr	Date Processed	Sample ID	Location	ExtractionDry Weigh mg	Amount ppb Chlc2	Amount ppb Fucu	Amount ppb Ddx	Amount ppb Sud	Amount ppb Allo	Amount ppb Lut	Amount ppb Zea	Amount ppb Cant	Amount ppb Chlb	Amount ppb Chla	Amount ppb DVCh-a	Amount ppb Echl	Amount ppb Phta	Amount ppb Acar	Amount ppb Beta
217	1	20.761	06-May-13	RB2001	Einer Biofilm	218	291.17	8471.36	5908.42	na	186.00	905.27	418.46	32.41	49.30	12888.53	2405.18	63.22	1477.58	660.64	nd
220	2	16.071	06-May-13	RB2002	Einer Biofilm	217	407.08	7920.52	6231.91	na	202.23	922.78	514.82	39.48	50.86	9534.32	1761.93	57.89	923.59	489.30	nd
221	3	12.152	06-May-13	RB2003	Einer Biofilm	217	477.47	10627.59	7973.39	na	360.92	1118.60	696.50	55.21	113.23	12767.71	2405.53	680.61	999.50	306.34	nd
222	4	13.795	06-May-13	RB2004	Einer Biofilm	215	643.75	12301.31	9677.63	na	309.19	1367.37	1013.18	45.86	81.79	15171.70	3305.04	35.10	1149.53	561.65	nd
223	5	16.669	06-May-13	RB2005	Einer Biofilm	213	1102.43	18124.46	11032.73	na	902.78	1456.62	1686.86	138.83	107.92	25342.95	4001.83	279.91	2887.76	662.13	nd
224	6	16.574	06-May-13	RB2006	Einer Biofilm	232	1257.31	16692.59	11011.45	na	784.06	2130.38	2153.97	249.80	122.95	27180.38	8545.92	382.97	6329.97	1140.36	nd
225	7	17.141	06-May-13	RB2007	Einer Biofilm	216	1322.98	15844.78	10792.50	na	379.97	1792.15	1183.03	121.93	168.11	23835.95	9566.43	59.28	2274.61	1091.50	nd
226	8	15.235	06-May-13	RB2008	Einer Biofilm	213	2175.29	21797.96	14638.25	na	689.17	2304.84	1270.09	217.29	275.46	32151.29	13321.28	277.49	3301.44	1061.77	nd
227	9	17.521	06-May-13	RB2009	Einer Biofilm	219	979.17	12151.41	8893.89	na	312.72	1329.99	731.62	48.10	91.95	14731.51	935499.94	46.54	1711.47	616.01	nd
230	10	21.013	07-May-13	RB2010	Einer Biofilm	213	1530.72	23251.71	13041.83	na	1467.80	1611.32	1949.71	1.38	208.68	30290.28	6862.89	112.44	3676.14	616.93	nd
233	11	20.835	07-May-13	RB2010 Dup	Einer Biofilm	219	1941.52	22731.17	13779.55	na	1448.35	2086.10	1808.22	4.99	240.24	33842.18	8204.06	78.12	3303.13	689.16	nd
234	12	16.956	07-May-13	RB2011	Inner Intertidal	232	1727.75	18965.03	11556.16	na	708.43	1768.17	1108.16	3.19	226.35	17514.87	9287.54	233.35	2463.87	603.36	nd
235	13	15.652	07-May-13	RB2012	Inner Intertidal	229	1623.05	17517.87	12036.87	na	820.17	1840.60	1200.39	13.74	131.81	21382.47	9019.40	83.44	1946.69	708.86	nd
236	14	14.100	07-May-13	RB2013	Inner Intertidal	214	1897.14	23465.51	16028.91	na	1170.42	2034.31	1999.12	15.42	52.76	27828.64	9622.84	116.14	1524.69	573.96	nd
237	15	18.223	07-May-13	RB2014	Inner Intertidal	222	1972.70	25925.01	18416.94	na	930.24	3083.11	2741.01	58.44	48.27	39447.81	11938.01	156.73	3151.58	791.73	nd
238	16	13.592	07-May-13	RB2015	Inner Intertidal	202	2122.54	26733.38	19346.42	na	1093.48	2958.34	1845.60	14.81	235.36	32904.17	15806.03	278.37	2983.78	886.28	nd
239	17	19.153	07-May-13	RB2016	Inner Intertidal	212	1681.24	15859.86	10630.63	na	936.13	1771.01	992.94	9.93	200.85	18395.91	8915.48	77.53	2073.97	607.49	nd
240	18	17.989	07-May-13	RB2017	Inner Intertidal	207	1527.23	20438.64	11759.02	na	846.60	1855.29	1339.20	4.47	172.64	23693.52	9946.27	221.32	4564.43	957.62	nd
242	19	16.418	07-May-13	RB2018	Inner Intertidal	220	1332.56	17559.90	10828.13	na	756.82	1493.49	988.23	1.50	208.97	14221.77	7869.66	361.51	2445.14	596.98	nd
245	20	24.508	07-May-13	RB2019	Inner Intertidal	215	730.74	8239.49	5926.43	na	20.90	1105.85	385.70	26.88	81.49	16380.00	5850.65	23.87	854.15	538.32	nd
246	21	16.48	07-May-13	RB2020	Inner Intertidal	235	1540.27	20482.29	13508.06	na	821.15	1769.48	1301.78	1.52	124.21	15122.35	7719.55	227.83	1773.07	483.36	nd
247	22	21.675	07-May-13	RB2021	Intercauseway	227	1882.09	12889.37	9040.20	na	200.06	1305.97	614.42	7.94	199.84	14183.39	6340.41	46.19	1728.10	338.17	nd
248	23	22.959	07-May-13	RB2022	Intercauseway	204	1051.86	7877.12	4971.69	na	49.51	843.76	370.38	8.51	147.18	8108.28	2723.60	68.49	1640.66	340.32	nd
249	24	20.553	07-May-13	RB2023	Intercauseway	239	2393.94	16158.25	9460.16	na	143.63	1130.06	389.92	2.64	178.57	15998.94	7726.23	57.03	2003.71	290.40	nd
250	25	26.255	07-May-13	RB2024	Intercauseway	221	1623.39	10696.05	7256.92	na	133.25	1183.23	803.25	15.44	181.22	14489.43	6310.10	66.95	2366.48	582.10	nd
251	26	17.446	07-May-13	RB2025	Intercauseway	208	2318.68	18246.74	10520.03	na	141.64	1289.51	727.40	8.65	235.46	21360.33	9662.27	67.68	2275.52	541.02	nd
252	27	20.568	07-May-13	RB2026	inoe Pass Biof	215	245.27	3246.87	2364.82	na	57.93	344.34	165.78	4.39	107.93	3472.08	681.18	3.84	233.27	230.66	nd

<b>MDL, ng/g (ppb)</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	
All results are presented in ng per g of dry weight of sediment.																					

na- not applicable  
 nd- non detectable

**AEL** Aquatech Enviroscience Laboratories Inc.  
 6311 Rodolph Rd. Victoria, BC V8Z 5V9  
 P. (250) 217-2977 | F. (250) 472-4766 | www.aquatechenvirolabs.com

10-Jun-13 Page: 1 of 1

Contract:

**Client:** Christopher Martin  
 Fisheries Biologist & Environmental Consultant  
 Infrastructure and Environment  
 BC Business Unit, WorleyParsons Canada  
 Tel: +1 778 945 5379 | Fax: +1 604 298 1625  
 #600-4321 | Still Creek Drive | Burnaby, British Columbia V5C 6S7 | Canada  
[Christopher.Martin@worleyparsons.com](mailto:Christopher.Martin@worleyparsons.com) <<mailto:Christopher.Martin@worleyparsons.com>>  
[www.worleyparsons.com](http://www.worleyparsons.com) <<http://www.worleyparsons.com/>>

**Mary Lou Lauria, Ph.D**  
 EA Lead Canada, Managing Consultant Environmental Management  
 BC Business Unit  
 Infrastructure & Environment Operations, WorleyParsons Canada  
 Tel: +1 604 298 1616 | Mob: +1 778 986 6116 | Fax: +1 604 298 1625 | Direct: +1 778 945 5340  
 Suite 600 | 4321 Still Creek Drive | Burnaby, BC V5C 6S7 | Canada  
[marylou.lauria@worleyparsons.com](mailto:marylou.lauria@worleyparsons.com) <<mailto:jason.telker@worleyparsons.com>> | [www.worleyparsons.com](http://www.worleyparsons.com) <<http://www.worleyparsons.com/>>

No.	Lab.Name	Sample Total Dry Weigh gr	Date Processed	Sample ID	Location	ExtractionDry Weigh mg	Amount ppb Chlc2	Amount ppb Fuco	Amount ppb Ddx	Amount ppb Sud	Amount ppb Allo	Amount ppb Lut	Amount ppb Zea	Amount ppb Cant	Amount ppb Chlb	Amount ppb Chla	Amount ppb DVCh-a	Amount ppb Echi	Amount ppb Phta	Amount ppb Acar	Amount ppb Beta
302	28r	16.022	23-May-13	RB2027	Canoe Pass Biofilm	174	655.63	13649.85	8116.02	na	468.05	1085.29	334.31	39.78	110.53	15480.76	3262.22	162.47	5789.76	952.72	nd
305	29r	24.521	23-May-13	RB2028	Canoe Pass Biofilm	181	331.10	7887.22	5567.23	na	116.79	597.16	154.66	nd	85.51	7710.17	994.50	72.08	1337.74	178.32	nd
334	30-r2	17.327	23-May-13	RB2029	Canoe Pass Biofilm	160	859.84	18913.92	13592.42	na	413.84	1523.04	302.89	218.11	83.39	16816.98	2345.90	79.12	4481.30	456.00	nd
307	31r	27.445	23-May-13	RB2030	Canoe Pass Biofilm	169	167.43	2536.44	1816.39	na	35.05	200.73	55.13	14.99	22.21	4179.63	258.95	13.42	581.75	100.11	nd
308	32r	18.569	23-May-13	RB2031	Canoe Pass Biofilm	182	255.75	3661.35	2692.75	na	89.57	383.75	76.10	3.88	78.31	4991.66	1201.90	27.73	1137.76	337.04	nd
309	33r	22.947	23-May-13	RB2032	Canoe Pass Biofilm	166	256.68	5790.08	3964.02	na	106.94	411.33	97.44	9.53	70.66	4362.47	769.27	81.59	1087.82	189.32	nd
310	34r	28.983	23-May-13	RB2033	Canoe Pass Biofilm	177	185.42	3801.21	3163.10	na	71.35	400.03	128.25	4.21	38.54	5553.47	700.37	18.41	1457.56	373.51	nd
311	35r	24.058	23-May-13	RB2034	Canoe Pass Intertidal 1	162	266.22	4193.48	3126.03	na	51.63	340.71	95.64	6.73	61.17	4816.02	934.29	52.37	938.99	154.34	nd
312	36r	25.403	23-May-13	RB2035	Canoe Pass Intertidal 1	155	98.45	972.09	444.83	na	nd	76.63	21.53	nd	nd	1044.17	238.68	10.44	nd	nd	nd
313	37r	24.464	23-May-13	RB2036	Canoe Pass Intertidal 1	155	89.65	908.32	534.61	na	nd	109.02	12.96	nd	nd	1327.51	252.46	15.27	nd	nd	nd
314	38r	25.34	23-May-13	RB2037	Canoe Pass Intertidal 1	187	314.46	4537.72	3085.37	na	37.19	238.84	65.52	3.75	74.49	4464.10	1275.60	225.59	281.88	29.90	nd
315	39r	27.949	23-May-13	RB2038	Canoe Pass Intertidal 1	186	205.36	3880.77	2759.02	na	44.14	364.23	81.87	9.57	49.04	4515.17	884.06	43.21	1061.99	255.78	nd
316	40r	26.657	23-May-13	RB2039	Canoe Pass Intertidal 1	170	209.60	2591.57	1817.57	na	39.47	224.64	56.10	3.28	41.14	3596.97	1110.24	22.36	503.10	136.39	nd
317	41r	35.084	23-May-13	RB2039 Dup	Canoe Pass Intertidal 1	157	144.02	2341.03	1195.13	na	27.91	111.70	29.56	4.17	28.53	1940.65	613.54	34.95	nd	nd	nd
318	42r	20.57	23-May-13	RB2040	Canoe Pass Intertidal 1	182	497.51	10525.41	8671.04	na	226.17	1065.57	289.47	21.74	68.62	15479.78	7060.05	99.66	2545.84	625.29	nd
319	43r	24.616	23-May-13	RB2041	Canoe Pass Intertidal 1	154	682.05	7348.64	7090.69	na	96.51	1018.43	127.36	6.85	124.20	11379.84	3135.09	115.18	1398.17	290.49	nd
320	44r	25.775	23-May-13	RB2042	Canoe Pass Intertidal 1	184	325.05	4462.79	3850.65	na	228.56	409.88	103.56	3.74	42.84	4255.35	703.77	109.50	2225.84	375.51	nd
321	45r	20.985	23-May-13	RB2043	Canoe Pass Intertidal 1	168	365.00	9420.22	5584.84	na	225.10	590.83	173.21	0.10	122.57	9568.58	3757.15	92.01	2276.93	775.11	nd
322	61r	6.743	23-May-13	RB2044-VAR-T2	Canoe Pass Intertidal 1	151	273.60	4947.75	3763.57	na	93.08	464.65	117.48	1.05	105.73	5518.62	1416.95	45.82	1403.38	433.18	nd
323	62r	17.122	23-May-13	RB2044-VAR-B8	Canoe Pass Intertidal 1	193	197.98	3936.41	2836.53	na	54.71	327.60	71.21	39.09	100.34	4790.62	1135.94	60.97	1061.87	364.34	nd

<b>MDL, ng/g (ppb)</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>
------------------------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------

All results are presented in ng per g of dry weight of sediment.

na- not applicable  
 nd- non detectable

**AEL** Aquatech Enviroscience Laboratories Inc.  
 6311 Rodolph Rd. Victoria, BC V8Z 5V9  
 P. (250) 217-2977 F. (250) 472-4766 www.aquatechenvirolabs.com

10-Jun-13 Page: 1 of 1

Contract:

**Client: Christopher Martin**  
 Fisheries Biologist & Environmental Consultant  
 Infrastructure and Environment  
 BC Business Unit, WorleyParsons Canada  
 Tel: +1 778 945 5379 | Fax: +1 604 298 1625  
 #600-4321 | Still Creek Drive | Burnaby, British Columbia V5C 6S7 | Canada  
[Christopher.Martin@worleyparsons.com](mailto:Christopher.Martin@worleyparsons.com) <mailto:Christopher.Martin@worleyparsons.com>  
[www.worleyparsons.com](http://www.worleyparsons.com) <http://www.worleyparsons.com/>

**Mary Lou Lauria, Ph.D**  
 EA Lead Canada, Managing Consultant Environmental Management  
 BC Business Unit  
 Infrastructure & Environment Operations, WorleyParsons Canada  
 Tel: +1 604 298 1616 | Mob: +1 778 986 6116 | Fax: +1 604 298 1625 | Direct: +1 778 945 5340  
 Suite 600 | 4321 Still Creek Drive | Burnaby, BC V5C 6S7 | Canada  
[marylou.lauria@worleyparsons.com](mailto:marylou.lauria@worleyparsons.com) <mailto:jason.tielker@worleyparsons.com> | [www.worleyparsons.com](http://www.worleyparsons.com) <http://www.worleyparsons.com/>

No.	Name	Sample Total Dry Weight	Date Processed	Sample ID	Location	Extraction Dry Weight mg	Amount ppb Chlc2	Amount ppb Fuco	Amount ppb Ddx	Amount ppb Sud	Amount ppb Allo	Amount ppb Lut	Amount ppb Zea	Amount ppb Cant	Amount ppb Chlb	Amount ppb Chia	Amount ppb DVCh-a	Amount ppb Echi	Amount ppb Phta	Amount ppb Acar	Amount ppb Beta
282	46r	25.93	22-May-13	RB2044	Canoe Pass Intertidal	163	218.32	3469.44	2268.67	na	nd	356.13	122.13	66.23	nd	5775.25	705.20	19.86	548.64	290.94	nd
285	47r	23.40	22-May-13	RB2045	Canoe Pass Biofilm	160	418.76	6990.13	5182.94	na	70.87	1043.31	210.88	nd	79.45	9616.93	1213.15	108.35	1115.61	393.37	nd
286	48r	12.95	22-May-13	RB2046	Elner Biofilm	154	1502.41	18924.83	12331.29	na	336.67	2768.63	1493.68	nd	305.74	30773.52	13235.91	206.76	5155.68	1948.82	nd
287	49r	16.01	22-May-13	RB2046 Dup	Elner Biofilm	157	1386.30	21294.34	16053.54	na	381.51	3066.46	1496.56	nd	187.13	29012.00	13851.32	264.39	5266.49	2095.46	nd
288	50r	14.37	22-May-13	RB2047	Elner Biofilm	155	1563.75	19318.29	14602.09	na	268.78	3350.69	1485.68	1.57	210.13	29778.84	14268.34	185.02	6784.74	2380.73	nd
289	51	4.61	22-May-13	RB2002-VAR-T2	Elner Biofilm	171	422.54	8449.47	5929.45	na	218.42	1258.80	487.82	8.37	128.06	10440.21	2362.04	182.83	1789.12	662.23	nd
290	52	17.59	22-May-13	RB2002-VAR-B8	Elner Biofilm	179	40.47	1601.04	1026.03	na	159.71	562.57	1012.13	48.42	80.39	5229.42	763.82	112.33	2031.35	659.57	nd
291	53	3.78	22-May-13	RB2004-VAR-T2	Elner Biofilm	158	908.63	13269.19	9675.50	na	313.29	1714.69	847.99	33.94	131.64	13111.69	6154.59	177.83	2615.36	1011.17	nd
292	54	15.99	22-May-13	RB2004-VAR-B8	Elner Biofilm	182	136.38	4313.42	2592.16	na	149.07	740.97	929.54	56.48	52.57	7304.44	1084.83	123.53	2087.43	731.50	nd
293	55	19.05	22-May-13	RB2019-VAR-B8	Elner Intertidal 1	171	946.01	8438.55	5295.43	na	nd	744.35	555.57	46.72	56.84	13230.28	4362.34	76.96	1022.19	458.92	nd
294	56	8.59	22-May-13	RB2019-VAR-T2	Elner Intertidal 1	172	981.83	9092.22	6490.65	na	nd	1174.14	406.50	43.55	51.89	16480.29	3621.84	51.12	703.49	706.64	nd
295	57	2.97	22-May-13	RB2029-VAR-T2	Canoe Pass Biofilm	171	751.84	9343.69	5545.52	na	311.15	1219.86	410.03	9.60	63.60	11916.58	1813.73	45.06	1423.16	862.90	nd
296	58	16.61	22-May-13	RB2029-VAR-B8	Canoe Pass Biofilm	180	208.26	3149.18	1885.58	na	167.30	396.17	260.53	5.19	84.25	4340.08	491.29	63.76	542.46	284.46	nd
297	59	6.46	22-May-13	RB2032-VAR-T2	Canoe Pass Biofilm	174	453.85	5466.70	3699.38	na	168.43	659.83	196.38	5.08	67.16	5351.05	939.81	52.60	995.11	313.09	nd
298	60	19.97	22-May-13	RB2032-VAR-B8	Canoe Pass Biofilm	162	181.56	3046.30	1992.52	na	nd	434.20	124.49	1.32	49.93	4133.24	689.80	36.43	615.83	249.31	nd

<b>MDL, ng/g (ppb)</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>
------------------------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------

All results are presented in ng per g of dry weight of sediment.

na- not applicable  
 nd- non detectable


**Aquatech Enviroscience Laboratories Inc.**
**6311 Rodolph Rd. Victoria, BC V8Z 5V9**
**P. (250) 217-2977 F. (250) 472-4766**
[www.aquatechenvirolabs.com](http://www.aquatechenvirolabs.com)
**07-Jun-13 Page: 1 of 2**
**Contract:**
**Client: Christopher Martin**  
**Fisheries Biologist & Environmental Consultant**  
**Infrastructure and Environment**  
**BC Business Unit, WorleyParsons Canada**

Tel: +1 778 945 5379 | Fax: +1 604 298 1625

#600-4321 | Still Creek Drive | Burnaby, British Columbia V5C 6S7 | Canada

[Christopher.Martin@worleyparsons.com](mailto:Christopher.Martin@worleyparsons.com) <mailto:Christopher.Martin@worleyparsons.com>

[www.worleyparsons.com](http://www.worleyparsons.com) <http://www.worleyparsons.com/>

**Mary Lou Lauria, Ph.D**  
**EA Lead Canada, Managing Consultant Environmental Manage**  
**BC Business Unit**
**Infrastructure & Environment Operations, WorleyParsons Cana**

Tel: +1 604 298 1616 | Mob: +1 778 986 6116 | Fax: +1 604 298 1625 | Direct: +1

Suite 600 | 4321 Still Creek Drive | Burnaby, BC V5C 6S7 | Canada

[marylou.lauria@worleyparsons.com](mailto:marylou.lauria@worleyparsons.com) <mailto:jason.lielker@worleyparsons.com> | w

No.	lab.Name	Date Processed	Sample ID	ID on vial	ExtractionDry Weight mg	Amount ug/mg Glucose	Field Duplicate TC Reproduc., %
#1	30Ap13-1	May-13	RB2001	1	140	0.3520	
#2	30Ap13-2	May-13	RB2002	2	113	0.3614	
#3	30Ap13-3	May-13	RB2003	3	108	0.4723	
#4	30Ap13-4	May-13	RB2004	4	123	0.4045	
#5	30Ap13-5	May-13	RB2005	5	142	0.9090	
#6	30Ap13-6	May-13	RB2006	6	138	1.0317	
#7	30Ap13-7	May-13	RB2007	7	150	0.4673	
#8	30Ap13-8	May-13	RB2008	8	81	3.8290	
#9	30Ap13-9	May-13	RB2009	9	113	3.1901	
#10	30Ap13-10	May-13	RB2010	10r	78	4.5384	
#11	30Ap13-11	May-13	RB2010 Dup	11r	60	5.0094	104.93%
#12	30Ap13-12	May-13	RB2011	12	112	3.192	
#13	30Ap13-13	May-13	RB2012	13	108	4.345	
#14	30Ap13-14	May-13	RB2013	14r	38	4.194	
#15	30Ap13-15	May-13	RB2014	15r	79	4.067	
#16	30Ap13-16	May-13	RB2015	16r	55	7.495	
#17	30Ap13-17	May-13	RB2016	17	113	2.668	
#18	30Ap13-18	May-13	RB2017	18r	69	5.953	
#19	30Ap13-19	May-13	RB2018	19r	63	4.179	
#20	30Ap13-20	May-13	RB2019	20	112	0.907	
#21	30Ap13-21	May-13	RB2020	21r	65	6.069	
#22	30Ap13-22	May-13	RB2021	22	135	2.142	
#23	30Ap13-23	May-13	RB2022	23	224	1.637	
#24	30Ap13-24	May-13	RB2023	24	102	1.799	
#25	30Ap13-25	May-13	RB2024	25	120	3.197	
#26	30Ap13-26	May-13	RB2025	26	104	3.155	
#27	30Ap13-27	May-13	RB2026	27	210	0.760	
#28	30Ap13-28	May-13	RB2027	28r	95	3.807	
#29	30Ap13-29	May-13	RB2028	29	210	1.089	
#30	30Ap13-30	May-13	RB2029	30r	112	2.218	
#31	30Ap13-31	May-13	RB2030	31	94	0.749	
#32	30Ap13-32	May-13	RB2031	32	78	1.223	
#33	30Ap13-33	May-13	RB2032	33	89	1.217	
#34	30Ap13-34	May-13	RB2033	34	88	0.728	
#35	30Ap13-35	May-13	RB2034	35	86	0.934	
#36	30Ap13-36	May-13	RB2035	36	78	0.333	
#37	30Ap13-37	May-13	RB2036	37	78	0.519	
#38	30Ap13-38	May-13	RB2037	38	77	0.681	
#39	30Ap13-39	May-13	RB2038	39	94	0.952	
#40	30Ap13-41	May-13	RB2039	41	90	0.721	
#41	30Ap13-42	May-13	RB2039 Dup	41mr	78	0.629	93.19%
#42	30Ap13-43	May-13	RB2040	42	91	1.465	
#43	30Ap13-44	May-13	RB2041	43	74	0.683	
#44	30Ap13-45	May-13	RB2042	44	77	1.554	
#45	30Ap13-46	May-13	RB2043	45	89	1.211	
#46	30Ap13-47	May-13	RB2044	46	94	0.814	
#47	30Ap13-48	May-13	RB2045	47	74	1.503	
#48	30Ap13-49	May-13	RB2046	48	41	5.102	
#49	30Ap13-50	May-13	RB2046 Dup	49	42	4.584	94.65%
#50	30Ap13-51	May-13	RB2047	50	77	5.535	

**MDL, ug/mg**
**0.01**
**All results are presented in ug of Glucose per mg of dry weight of sediment.**



**Aquatech Enviroscience Laboratories Inc.**  
 6311 Rodolph Rd. Victoria, BC V8Z 5V9  
 P. (250) 217-2977 F. (250) 472-4766

[www.aquatechenvirolabs.com](http://www.aquatechenvirolabs.com)

07-Jun-13 Page: 2 of 2

Contract:

**Client: Christopher Martin**  
**Fisheries Biologist & Environmental Consultant**  
**Infrastructure and Environment**  
**BC Business Unit, WorleyParsons Canada**  
 Tel: +1 778 945 5379 | Fax: +1 604 298 1625  
 #600-4321 | Still Creek Drive | Burnaby, British Columbia V5C 6S7 | Canada  
[Christopher.Martin@worleyparsons.com](mailto:Christopher.Martin@worleyparsons.com) <<mailto:Christopher.Martin@worleyparsons.com>>  
[www.worleyparsons.com](http://www.worleyparsons.com) <<http://www.worleyparsons.com/>>

**Mary Lou Lauria, Ph.D**  
**EA Lead Canada, Managing Consultant Environmental Management**  
**BC Business Unit**  
**Infrastructure & Environment Operations, WorleyParsons Canada**  
 Tel: +1 604 298 1616 | Mob: +1 778 986 6116 | Fax: +1 604 298 1625 | Direct: +1 778 945 5340  
 Suite 600 | 4321 Still Creek Drive | Burnaby, BC V5C 6S7 | Canada  
[marylou.lauria@worleyparsons.com](mailto:marylou.lauria@worleyparsons.com) <<mailto:jason.tielker@worleyparsons.com>> | [www.worleyparsons.com](http://www.worleyparsons.com)

No.	lab.Name	Date Processed	Sample ID	ID on vial	ExtractionDry Weight mg	Amount ug/mg Glucose	Method Duplicate. TC Reproduc.,%
#8	30Ap13-8	May-13	RB2008	8r	81	3.829	
#8d	30Ap13-8d	May-13	RB2008	8mr	94	3.879	100.65%
#21	30Ap13-21	May-13	RB2020	21r	65	6.069	
#21d	30Ap13-21	May-13	RB2020	21mr2	63	5.315	93.37%
#39	30Ap13-40	May-13	RB2039	40	92	0.717	
#39d	30Ap13-40	May-13	RB2039	41	90	0.721	100.32%

MDL, ug/mg

**0.01**

All results are presented in ug of Glucose per mg of dry weight of sediment.



**Aquatech Enviroscience Laboratories Inc.**  
 6311 Rodolph Rd. Victoria, BC V8Z 5V9  
 P. (250) 217-2977 F. (250) 472-4766

[www.aquatechenvirolabs.com](http://www.aquatechenvirolabs.com)

07-Jun-13 Page: 1 of 2

Contract:

**Client: Christopher Martin**  
**Fisheries Biologist & Environmental Consultant**  
**Infrastructure and Environment**  
**BC Business Unit, WorleyParsons Canada**  
 Tel: +1 778 945 5379 | Fax: +1 604 298 1625  
 #600-4321 | Still Creek Drive | Burnaby, British Columbia V5C 6S7 | Canada  
[Christopher.Martin@worleyparsons.com](mailto:Christopher.Martin@worleyparsons.com) <<mailto:Christopher.Martin@worleyparsons.com>>  
[www.worleyparsons.com](http://www.worleyparsons.com) <<http://www.worleyparsons.com/>>

**Mary Lou Lauria, Ph.D**  
**EA Lead Canada, Managing Consultant Environmental M**  
**BC Business Unit**  
**Infrastructure & Environment Operations, WorleyParson**  
 Tel: +1 604 298 1616 | Mob: +1 778 986 6116 | Fax: +1 604 298 1625 | Di  
 Suite 600 | 4321 Still Creek Drive | Burnaby, BC V5C 6S7 | Canada  
[marylou.lauria@worleyparsons.com](mailto:marylou.lauria@worleyparsons.com) <<mailto:jason.tielker@worleyparsons.com>>

No.	lab.Name	Date Processed	Sample ID	Dry Weight Processed mg	Total Organic C %	Field Duplicate TOC Reproduc, %
#1	30Ap13-1	May-13	RB2001	40.015	0.511	
#2	30Ap13-2	May-13	RB2002	18.989	0.679	
#3	30Ap13-3	May-13	RB2003	22.739	0.776	
#4	30Ap13-4	May-13	RB2004	21.002	0.973	
#5	30Ap13-5	May-13	RB2005	24.244	1.268	
#6	30Ap13-6	May-13	RB2006	23.268	1.466	
#7	30Ap13-7	May-13	RB2007	23.094	1.062	
#8	30Ap13-8	May-13	RB2008	26.439	0.923	
#9	30Ap13-9	May-13	RB2009	46.668	0.765	
#10	30Ap13-10	May-13	RB2010	23.947	1.088	
#11	30Ap13-11	May-13	RB2010 Dup	21.693	1.051	98.30%
#12	30Ap13-12	May-13	RB2011	20.12	0.805	
#13	30Ap13-13	May-13	RB2012	21.98	1.029	
#14	30Ap13-14	May-13	RB2013	22.062	1.126	
#15	30Ap13-15	May-13	RB2014	24.671	1.601	
#16	30Ap13-16	May-13	RB2015	27.313	1.329	
#17	30Ap13-17	May-13	RB2016	24.593	0.877	
#18	30Ap13-18	May-13	RB2017	26.988	1.175	
#19	30Ap13-19	May-13	RB2018	28.22	0.966	
#20	30Ap13-20	May-13	RB2019	33.914	0.210	
#21	30Ap13-21	May-13	RB2020	23.403	0.945	
#22	30Ap13-22	May-13	RB2021	36.775	0.404	
#23	30Ap13-23	May-13	RB2022	31.295	0.319	
#24	30Ap13-24	May-13	RB2023	25.212	0.353	
#25	30Ap13-25	May-13	RB2024	27.286	0.583	
#26	30Ap13-26	May-13	RB2025	31.314	0.691	
#27	30Ap13-27	May-13	RB2026	29.148	0.218	
#28	30Ap13-28	May-13	RB2027	22.052	1.018	
#29	30Ap13-29	May-13	RB2028	35.023	0.363	
#30	30Ap13-30	May-13	RB2029	22.886	0.784	
#31	30Ap13-31	May-13	RB2030	25.876	0.213	
#32	30Ap13-32	May-13	RB2031	29.976	0.285	
#33	30Ap13-33	May-13	RB2032	22.691	0.418	
#34	30Ap13-34	May-13	RB2033	29.137	0.303	
#35	30Ap13-35	May-13	RB2034	44.184	0.214	
#36	30Ap13-36	May-13	RB2035	26.048	0.110	
#37	30Ap13-37	May-13	RB2036	30.566	0.117	
#38	30Ap13-38	May-13	RB2037	25.227	0.157	
#39	30Ap13-39	May-13	RB2038	26.304	0.282	
#40	30Ap13-40	May-13	RB2039	42.738	0.151	
#41	30Ap13-41	May-13	RB2039 Dup	28.43	0.162	103.29%
#42	30Ap13-42	May-13	RB2040	25.505	0.517	
#43	30Ap13-43	May-13	RB2041	23.522	0.191	
#44	30Ap13-44	May-13	RB2042	27.054	0.500	
#45	30Ap13-45	May-13	RB2043	28.505	0.422	
#46	30Ap13-46	May-13	RB2044	25.126	0.190	
#47	30Ap13-47	May-13	RB2045	36.778	0.333	
#48	30Ap13-48	May-13	RB2046	22.302	1.518	
#49	30Ap13-49	May-13	RB2046 Dup	25.602	1.451	97.75%
#50	30Ap13-50	May-13	RB2047	25.205	1.331	

MDL, %

0.05





**Aquatech Enviroscience Laboratories Inc.**  
**6311 Rodolph Rd. Victoria, BC V8Z 5V9**  
**P. (250) 217-2977 F. (250) 472-4766**

[www.aquatechenvirolabs.com](http://www.aquatechenvirolabs.com)

07-Jun-13 Page: 2 of 2

Contract:

**Client: Christopher Martin**  
**Fisheries Biologist & Environmental Consultant**  
**Infrastructure and Environment**  
**BC Business Unit, WorleyParsons Canada**

Tel: +1 778 945 5379 | Fax: +1 604 298 1625

#600-4321 | Still Creek Drive | Burnaby, British Columbia V5C 6S7 | Canada

[Christopher.Martin@worleyparsons.com](mailto:Christopher.Martin@worleyparsons.com) <<mailto:Christopher.Martin@worleyparsons.com>>

[www.worleyparsons.com](http://www.worleyparsons.com) <<http://www.worleyparsons.com/>>

**Mary Lou Lauria, Ph.D**  
**EA Lead Canada, Managing Consultant Environmental Management**  
**BC Business Unit**  
**Infrastructure & Environment Operations, WorleyParsons Canada**

Tel: +1 604 298 1616 | Mob: +1 778 986 6116 | Fax: +1 604 298 1625 | Direct: +1 778 945 5340

Suite 600 | 4321 Still Creek Drive | Burnaby, BC V5C 6S7 | Canada

[marylou.lauria@worleyparsons.com](mailto:marylou.lauria@worleyparsons.com) <<mailto:jason.tielker@worleyparsons.com>> | [www.worleyparsons.com](http://www.worleyparsons.com)

No.	lab.Name	Date Processed	Sample ID	Dry Weight Processed mg	Total Organic C %	Dup. Rep. %
#1	30Ap13-10	May-13	RB2010	23.947	1.088	
#1dup	30Ap13-11	May-13	RB2010 Dup	21.693	1.051	98.30%
#13	30Ap13-40	May-13	RB2039	42.738	0.151	
#13dup	30Ap13-41	May-13	RB2039 Dup	28.43	0.162	103.29%
#25	30Ap13-48	May-13	RB2046	22.302	1.518	
#25dup	30Ap13-49	May-13	RB2046 Dup	25.602	1.451	97.75%
#7	100713-07	na	CALCHK	20.174	1.999	99.95%
#19	100713-19	na	CALCHK	17.151	2.042	102.10%
#31	100713-31	na	CALCHK	23.063	2.034	101.70%
#43	100713-43	na	CALCHK	19.248	2.083	104.15%
#55	100713-55	na	CALCHK	15.666	2.061	103.05%

MDL, %

0.05

**CALCHK** - for TOC determination we used Low Organic Soil Standard from Elemental Microanalysis Ltd., (UK) with TOC content at 2.00%



**Aquatech Enviroscience Laboratories Inc.**  
**6311 Rodolph Rd. Victoria, BC V8Z 5V9**  
**P. (250) 217-2977 | F. (250) 472-4766**  
[www.aquatechenvirobiolabs.com](http://www.aquatechenvirobiolabs.com)

29-Oct-13 Page: 1 of 1

Contract:

**Client: Christopher Martin**  
**Fisheries Biologist & Environmental Consultant**  
**Infrastructure and Environment**  
**BC Business Unit, WorleyParsons Canada**  
 Tel: +1 778 945 5379 | Fax: +1 604 298 1625  
[#600-4321 | Still Creek Drive | Burnaby, British Columbia V5C 6S7 | Canada](mailto:Christopher.Martin@worleyparsons.com)  
[Christopher.Martin@worleyparsons.com](mailto:Christopher.Martin@worleyparsons.com) <<mailto:Christopher.Martin@worleyparsons.com>>  
[www.worleyparsons.com](http://www.worleyparsons.com) <<http://www.worleyparsons.com/>>

**Mary Lou Lauria, Ph.D**  
**EA Lead Canada, Managing Consultant Environmental Management**  
**BC Business Unit**  
**Infrastructure & Environment Operations, WorleyParsons Canada**  
 Tel: +1 604 298 1616 | Mob: +1 778 986 6116 | Fax: +1 604 298 1625 | Direct: +1 778 945 5340  
 Suite 600 | 4321 Still Creek Drive | Burnaby, BC V5C 6S7 | Canada  
[marylou.lauria@worleyparsons.com](mailto:marylou.lauria@worleyparsons.com) <<mailto:marylou.lauria@worleyparsons.com>> | [www.worleyparsons.com](http://www.worleyparsons.com) <<http://www.worleyparsons.com/>>

No.	Name	Sample Total Dry Weight gr	Date Processed	Sample ID	Location	ExtractionDry Weight mg	Amount ppb Chlc2	Amount ppb Fuco	Amount ppb Ddx	Amount ppb Sud	Amount ppb Allo	Amount ppb Lut	Amount ppb Zea	Amount ppb Cant	Amount ppb Chlb	Amount ppb Chia	Amount ppb DVCh-a	Amount ppb Echl	Amount ppb Phta	Amount ppb Acar	Amount ppb Beta
342	sep-41	30.181	Sep-13	RB2001	Elnor Biofilm	206	264.42	7835.90	4914.39	na	145.00	850.10	767.21	103.09	434.43	11870.27	3018.01	215.47	2904.86	825.68	113.96
345	sep-42	20.732	Sep-13	RB2002	Elnor Biofilm	205	323.86	7407.25	5241.12	na	174.73	935.36	756.52	89.40	190.11	12072.68	4572.61	352.22	2874.62	766.15	nd
346	sep-43	21.616	Sep-13	RB2003	Elnor Biofilm	203	463.91	10036.33	6807.73	na	143.08	1039.07	796.77	160.10	337.50	15368.93	6117.31	196.87	3035.85	819.89	nd
347	sep-44	15.402	Sep-13	RB2004	Elnor Biofilm	209	1575.02	22265.50	16491.54	na	487.94	3356.68	1216.26	238.76	326.59	38496.29	11633.45	227.21	9649.87	2267.66	nd
348	sep-45	14.254	Sep-13	RB2005	Elnor Biofilm	208	2479.58	33682.63	30437.92	na	323.95	3303.07	2513.39	479.44	545.04	71493.90	29033.51	193.59	30791.10	5776.42	nd
349	sep-46	19.042	Sep-13	RB2006	Elnor Biofilm	194	2135.16	32774.55	30608.27	na	472.93	3826.28	3415.00	558.27	669.13	76828.47	30895.89	1066.70	30778.30	7480.94	nd
350	sep-47	20.847	Sep-13	RB2006 DUP	Elnor Biofilm	203	1588.03	33346.24	31744.64	na	489.79	4000.84	3783.00	553.74	625.51	78350.27	29537.47	886.55	29449.08	7021.28	nd
351	sep-48	19.826	Sep-13	RB2007	Elnor Biofilm	203	2080.58	24493.56	17770.18	na	191.57	1484.88	1308.53	354.17	425.80	38332.53	19893.41	649.63	7447.39	2406.39	nd
352	sep-49	19.135	Sep-13	RB2008	Elnor Biofilm	196	2000.17	22927.70	20155.24	na	217.52	2058.34	1275.65	189.96	374.32	40948.74	19988.52	418.08	9036.47	2646.45	nd
353	sep-50	26.275	Sep-13	RB2009	Elnor Biofilm	199	835.93	16774.01	14004.33	na	256.41	1483.80	1444.31	176.05	469.66	31596.15	9920.98	184.60	10670.94	1491.52	nd
356	sep-51	11.278	Sep-13	RB2010	Elnor Biofilm	194	2693.56	34703.46	30543.23	na	198.80	3681.04	1242.34	458.77	399.04	72618.92	24930.26	785.28	28069.00	9094.46	nd
359	sep-52	16.509	Sep-13	RB2011	Elnor Intertidal 1	202	422.88	7196.08	4646.21	na	8.01	412.97	64.09	64.84	69.80	9296.19	4165.43	81.40	1196.46	402.31	nd
360	sep-53	24.079	Sep-13	RB2012	Elnor Intertidal 1	208	857.19	12073.49	7584.56	na	93.34	590.67	208.87	91.19	179.78	16622.06	8689.36	99.23	1861.31	878.10	nd
361	sep-54	31.156	Sep-13	RB2013	Elnor Intertidal 1	203	879.03	11733.41	8527.92	na	79.88	782.61	432.98	97.60	285.80	16857.99	8745.59	121.70	2320.18	810.18	nd
362	sep-55	31.292	Sep-13	RB2014	Elnor Intertidal 1	200	709.17	10347.45	7180.93	na	48.32	609.07	243.78	93.93	168.52	14252.26	7263.25	55.44	1826.71	684.36	nd
363	sep-56	32.976	Sep-13	RB2015	Elnor Intertidal 1	206	684.86	10390.30	7043.01	na	79.65	638.72	382.29	108.16	214.62	14589.15	7431.27	47.56	2102.26	864.55	nd
364	sep-57	19.95	Sep-13	RB2016	Elnor Intertidal 1	208	510.11	8111.86	5507.52	na	20.89	483.82	104.79	63.99	66.71	9574.67	5864.61	64.08	1776.37	552.65	nd
365	sep-58	29.398	Sep-13	RB2017	Elnor Intertidal 1	203	729.98	11015.79	7128.87	na	119.29	589.36	445.20	107.48	186.83	15360.62	7449.50	63.08	1915.35	839.27	nd
366	sep-59	30.596	Sep-13	RB2018	Elnor Intertidal 1	204	547.07	10336.51	7124.43	na	110.16	640.52	622.96	111.37	242.34	15510.29	6973.33	89.33	2752.31	752.97	nd
367	sep-60	31.436	Sep-13	RB2019	Elnor Intertidal 1	202	1201.87	13496.30	10687.59	na	1.10	891.83	142.93	43.11	175.09	23550.29	11234.52	62.84	0.00	408.33	nd
371	sep-61	24.96	Sep-13	RB2020	Elnor Intertidal 1	199	669.18	8828.33	3311.62	na	74.06	453.21	234.32	161.22	116.61	10326.31	6451.57	106.31	1503.28	446.03	nd
374	sep-62	13.111	Sep-13	RB2021	Intercauseway	206	2937.72	18211.68	5716.70	na	82.16	987.93	246.65	79.79	159.58	24453.24	15409.17	64.31	2566.19	951.64	nd
375	sep-63	14.019	Sep-13	RB2021 DUP	Intercauseway	201	3287.31	19988.33	6260.36	na	71.21	930.26	221.55	65.49	152.24	25875.10	14431.11	52.81	1710.14	265.89	nd
376	sep-64	12.987	Sep-13	RB2022	Intercauseway	198	2623.68	18219.50	6328.99	na	93.74	658.90	342.50	107.80	111.08	22108.93	13222.86	115.49	2353.71	990.43	65.46
377	sep-65	13.592	Sep-13	RB2023	Intercauseway	200	2317.06	14357.81	3201.43	na	24.07	408.19	68.04	41.02	66.13	15117.57	8816.85	45.21	905.29	181.67	nd
378	sep-66	13.257	Sep-13	RB2024	Intercauseway	204	6980.98	42291.84	20984.70	na	370.37	3418.60	2727.54	217.06	275.49	83143.62	44136.71	86.77	10945.07	2587.70	nd
379	sep-67	16.305	Sep-13	RB2025	Intercauseway	204	2354.92	14824.47	3416.50	na	32.76	591.48	103.44	43.27	102.59	16482.61	9998.69	57.49	1810.26	466.54	nd
380	sep-68	33.747	Sep-13	RB2026	Canoe Pass Biofilm	207	270.99	3697.48	1385.37	na	25.97	425.55	141.57	36.98	25.34	5331.60	1841.57	67.72	838.02	369.25	nd
381	sep-69	29.395	Sep-13	RB2027	Canoe Pass Biofilm	197	441.72	5877.77	2159.95	na	23.40	593.53	437.47	20.27	271.72	12204.45	5178.50	72.48	1237.58	206.60	nd
382	sep-70	27.587	Sep-13	RB2028	Canoe Pass Biofilm	205	132.44	4113.98	1198.13	na	0.00	234.32	145.10	25.14	57.54	6093.11	1610.43	131.95	702.92	159.97	nd

<b>MDL, ng/g (ppb)</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>
All results are presented in ng per g of dry weight of sediment.																					

na- not applicable  
 nd- non detectable



**Aquatech Enviroscience Laboratories Inc.**  
 6311 Rodolph Rd. Victoria, BC V8Z 5V9  
 P. (250) 217-2977 | F. (250) 472-4766  
[www.aquatechenvirolabs.com](http://www.aquatechenvirolabs.com)

29-Oct-13 Page: 1 of 1

Contract:

**Client: Christopher Martin**  
 Fisheries Biologist & Environmental Consultant  
 Infrastructure and Environment  
 BC Business Unit, WorleyParsons Canada  
 Tel: +1 778 945 5379 | Fax: +1 604 298 1625  
 #600-4321 | Still Creek Drive | Burnaby, British Columbia V5C 6S7 | Canada  
[Christopher.Martin@worleyparsons.com](mailto:Christopher.Martin@worleyparsons.com) <<mailto:Christopher.Martin@worleyparsons.com>>  
[www.worleyparsons.com](http://www.worleyparsons.com) <<http://www.worleyparsons.com/>>

**Mary Lou Lauria, Ph.D**  
 EA Lead Canada, Managing Consultant Environmental Management  
 BC Business Unit  
 Infrastructure & Environment Operations, WorleyParsons Canada  
 Tel: +1 604 298 1616 | Mob: +1 778 986 6116 | Fax: +1 604 298 1625 | Direct: +1 778 945 5340  
 Suite 600 | 4321 Still Creek Drive | Burnaby, BC V5C 6S7 | Canada  
[marylou.lauria@worleyparsons.com](mailto:marylou.lauria@worleyparsons.com) <<mailto:jason.tielker@worleyparsons.com>> | [www.worleyparsons.com](http://www.worleyparsons.com) <<http://www.worleyparsons.com/>>

No.	Name	Sample Total Dry Weight	Date Processed	Sample ID	Location	ExtractionDry Weight mg	Amount ppb Chlc2	Amount ppb Fuco	Amount ppb Ddx	Amount ppb Sud	Amount ppb Allo	Amount ppb Lut	Amount ppb Zea	Amount ppb Cant	Amount ppb Chlb	Amount ppb Chla	Amount ppb DVCh-a	Amount ppb Echi	Amount ppb Phta	Amount ppb Acar	Amount ppb Beta
387	sep-71	28.237	Oct-13	RB2029	Canoe Pass Biofilm	203	268.44	4490.17	2815.49	na	nd	311.82	92.05	21.20	nd	4545.46	1039.18	66.15	nd	171.24	nd
390	sep-72	36.788	Oct-13	RB2030	Canoe Pass Biofilm	209	136.92	3065.16	2109.65	na	nd	260.74	37.94	nd	nd	3918.50	527.31	63.32	nd	142.17	nd
391	sep-73	35.879	Oct-13	RB2031	Canoe Pass Biofilm	206	249.62	3156.52	2256.61	na	nd	327.98	65.54	19.18	nd	3641.39	929.94	117.62	nd	197.05	nd
392	sep-74	27.155	Oct-13	RB2032	Canoe Pass Biofilm	207	185.33	3517.83	2262.94	na	nd	339.85	37.60	22.60	nd	4480.20	1070.04	48.81	nd	153.56	nd
393	sep-75	40.827	Oct-13	RB2033	Canoe Pass Biofilm	196	129.08	2747.12	1729.44	na	nd	209.76	23.10	35.56	nd	2872.91	602.59	80.36	nd	189.13	nd
394	sep-76	33.607	Oct-13	RB2034	Canoe Pass Biofilm	205	200.11	3275.98	1767.60	na	nd	167.10	22.91	9.77	nd	2668.05	616.56	71.18	nd	113.26	nd
395	sep-77	35.502	Oct-13	RB2035	Canoe Pass Intertidal 1	207	74.47	750.23	637.97	na	nd	75.13	nd	nd	nd	516.93	133.01	nd	nd	18.98	nd
396	sep-78	34.63	Oct-13	RB2036	Canoe Pass Intertidal 1	206	76.17	1024.17	809.39	na	nd	112.77	nd	nd	nd	841.01	195.88	nd	nd	23.10	nd
397	sep-79	33.918	Oct-13	RB2037	Canoe Pass Intertidal 1	204	432.94	5064.63	3585.13	na	nd	489.33	35.27	nd	nd	7147.89	1766.20	441.56	nd	184.43	nd
398	sep-80	34.046	Oct-13	RB2038	Canoe Pass Intertidal 1	204	127.95	2688.25	1685.92	na	nd	180.61	nd	12.53	nd	2775.44	519.47	nd	nd	87.43	nd

<b>MDL, ng/g (ppb)</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>
------------------------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------

All results are presented in ng per g of dry weight of sediment.

na- not applicable  
 nd- non detectable



**Aquatech Enviroscience Laboratories Inc.**  
 6311 Rodolph Rd. Victoria, BC V8Z 5V9  
 P. (250) 217-2977 | F. (250) 472-4766  
[www.aquatechenvirobiolabs.com](http://www.aquatechenvirobiolabs.com)

29-Oct-13 Page: 1 of 1

Contract:

**Client: Christopher Martin**  
 Fisheries Biologist & Environmental Consultant  
 Infrastructure and Environment  
 BC Business Unit, WorleyParsons Canada  
 Tel: +1 778 945 5379 | Fax: +1 604 298 1625  
 #600-4321 | Still Creek Drive | Burnaby, British Columbia V5C 6S7 | Canada  
[Christopher.Martin@worleyparsons.com](mailto:Christopher.Martin@worleyparsons.com) <<mailto:Christopher.Martin@worleyparsons.com>>  
[www.worleyparsons.com](http://www.worleyparsons.com) <<http://www.worleyparsons.com/>>

**Mary Lou Lauria, Ph.D**  
 EA Lead Canada, Managing Consultant Environmental Management  
 BC Business Unit  
 Infrastructure & Environment Operations, WorleyParsons Canada  
 Tel: +1 604 298 1616 | Mob: +1 778 986 6116 | Fax: +1 604 298 1625 | Direct: +1 778 945 5340  
 Suite 600 | 4321 Still Creek Drive | Burnaby, BC V5C 6S7 | Canada  
[marylou.lauria@worleyparsons.com](mailto:marylou.lauria@worleyparsons.com) <<mailto:marylou.lauria@worleyparsons.com>> | [www.worleyparsons.com](http://www.worleyparsons.com) <<http://www.worleyparsons.com/>>

No.	Name	Sample Total Dry Weight	Date Processed	Sample ID	Location	ExtractionDry Weight mg	Amount ppb Chlc2	Amount ppb Fuco	Amount ppb Ddx	Amount ppb Sud	Amount ppb Allo	Amount ppb Lut	Amount ppb Zea	Amount ppb Cant	Amount ppb Chlb	Amount ppb Chia	Amount ppb DVCh-a	Amount ppb Echi	Amount ppb Phta	Amount ppb Acar	Amount ppb Beta
420	sep-81	31.217	Oct-13	RB2039	Canoe Pass Intertidal 1	201	251.04	2611.71	1923.95	na	nd	227.01	42.39	nd	53.64	3705.39	708.25	nd	311.49	112.93	nd
406	sep-82	33.292	Oct-13	RB2040	Canoe Pass Intertidal 1	193	167.11	4019.78	2696.26	na	nd	352.02	157.60	nd	162.91	4839.69	1006.79	35.06	nd	232.11	nd
407	sep-83	33.073	Oct-13	RB2041	Canoe Pass Intertidal 1	196	718.08	7000.40	4223.77	na	nd	431.62	55.95	nd	109.11	9775.31	4131.56	17.83	nd	275.24	nd
408	sep-84	33.334	Oct-13	RB2042	Canoe Pass Intertidal 1	192	109.00	1743.04	963.89	na	nd	164.39	nd	20.26	26.23	1604.76	435.55	27.18	353.66	156.69	nd
409	sep-85	34.045	Oct-13	RB2043	Canoe Pass Intertidal 1	203	219.16	5241.12	3003.00	na	nd	278.36	16.13	12.90	57.55	7840.72	1622.98	22.91	497.27	219.69	nd
410	sep-86	32.356	Oct-13	RB2044	Canoe Pass Intertidal 1	206	193.05	5147.82	2992.53	na	nd	271.69	23.14	17.70	37.19	5244.40	1287.16	48.23	307.28	241.56	nd
411	sep-87	32.328	Oct-13	RB2044 DUP	Canoe Pass Intertidal 1	201	249.91	5246.32	3160.70	na	nd	311.13	18.63	20.99	35.85	6209.23	1582.62	26.72	349.36	215.94	nd
412	sep-88	33.523	Oct-13	RB2045	Canoe Pass Biofilm	199	265.57	5962.73	3484.27	na	nd	323.28	10.50	17.05	84.32	9203.69	2134.61	29.61	316.82	351.00	nd
413	sep-89	8.047	Oct-13	RB2046	Elnor Biofilm	205	3036.75	40536.91	30145.96	na	nd	3033.50	1624.16	395.17	143.93	57206.64	29788.41	198.08	12459.90	3546.99	nd
414	sep-90	13.364	Oct-13	RB2047	Elnor Biofilm	207	1714.39	26304.47	19108.68	na	nd	3155.74	1653.98	240.67	208.09	40391.83	19245.34	136.36	9208.50	3339.58	nd
415	sep-91	31.251	Oct-13	RB2014 DUP	Elnor Intertidal 1	201	817.78	12467.84	6110.41	na	nd	469.64	176.33	54.38	145.71	15568.29	7208.32	27.58	1870.51	678.26	nd

<b>MDL, ng/g (ppb)</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>
------------------------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------

All results are presented in ng per g of dry weight of sediment.

na- not applicable  
 nd- non detectable



**Aquatech Enviroscience Laboratories Inc.**  
 6311 Rodolph Rd. Victoria, BC V8Z 5V9  
 P. (250) 217-2977 | F. (250) 472-4766  
[www.aquatechenvirolabs.com](http://www.aquatechenvirolabs.com)

15-Oct-13 Page: 2 of 2

Contract:

**Client: Christopher Martin**  
 Fisheries Biologist & Environmental Consultant  
 Infrastructure and Environment  
 BC Business Unit, WorleyParsons Canada  
 Tel: +1 778 945 5379 | Fax: +1 604 298 1625  
 #600-4321 | Still Creek Drive | Burnaby, British Columbia V5C 6S7 | Canada  
[Christopher.Martin@worleyparsons.com](mailto:Christopher.Martin@worleyparsons.com)  
[Christopher.Martin@worleyparsons.com](mailto:Christopher.Martin@worleyparsons.com)  
[www.worleyparsons.com](http://www.worleyparsons.com) <<http://www.worleyparsons.com>>

**Mary Lou Lauria, Ph.D**  
 EA Lead Canada, Managing Consultant Environmental Management  
 BC Business Unit  
 Infrastructure & Environment Operations, WorleyParsons Canada  
 Tel: +1 604 298 1616 | Mob: +1 778 986 6116 | Fax: +1 604 298 1625 | Direct: +1 778 945 5340  
 Suite 600 | 4321 Still Creek Drive | Burnaby, BC V5C 6S7 | Canada  
[marylou.lauria@worleyparsons.com](mailto:marylou.lauria@worleyparsons.com) <<mailto:jason.tielker@worleyparsons.com>> | [www.worleyparsons.com](http://www.worleyparsons.com) <<http://www.worleyparsons.com>>

No.	lab.Name	Date Processed	Sample ID	sampling Date	Location	UTM X	UTM Y	Time	Total Dry Weight (g)	Amount ug/mg Glucose	Duplicate TC Reproduc., %
#1	091113-41 091113-41dup	Oct-13	RB2001	23-Aug-13	Elnor Biofilm	487705.5576	5433968.41	12:00:00 PM	30.181	1.92 2.57	<b>114.51%</b>
#11	091113-51 091113-51dup	Oct-13	RB2010	17-Aug-13	Elnor Biofilm	489772.8334	5432070.79	9:41:00 AM	11.278	14.47 10.46	<b>83.93%</b>
#22	091113-61 091113-61dup	Oct-13	RB2020	21-Aug-13	Elnor Intertidal 1	489759.7679	5432898.3	1:45:00 PM	24.96	1.56 2.15	<b>115.93%</b>
#32	091113-71 091113-71dup	Oct-13	RB2029	20-Aug-13	Canoe Pass Biofilm	486000.4974	5434782.38	12:45:00 PM	28.237	1.65 2.11	<b>112.24%</b>
#42	091113-81 091113-81dup	Oct-13	RB2039	20-Aug-13	Canoe Pass Intertidal 1	485960.9493	5433792.42	10:50:00 AM	31.217	0.93 0.81	<b>93.10%</b>

**MDL, ug/mg** 0.01

All results are presented in ug of Glucose per mg of dry weight of sediment.



15-Oct-13 Page: 1 of 2

Contract:

**Client:** Christopher Martin  
 Fisheries Biologist & Environmental Consultant  
 Infrastructure and Environment  
 BC Business Unit, WorleyParsons Canada  
 Tel: +1 778 945 5379 | Fax: +1 604 298 1625  
 #600-4321 | Still Creek Drive | Burnaby, British Columbia V5C 6S7 | Canada  
[Christopher.Martin@worleyparsons.com](mailto:Christopher.Martin@worleyparsons.com) <<mailto:Christopher.Martin@worleyparsons.com>>  
[www.worleyparsons.com](http://www.worleyparsons.com) <<http://www.worleyparsons.com/>>

**Mary Lou Lauria, Ph.D**  
 EA Lead Canada, Managing Consultant Environmental Management  
 BC Business Unit  
 Infrastructure & Environment Operations, WorleyParsons Canada  
 Tel: +1 604 298 1616 | Mob: +1 778 986 6116 | Fax: +1 604 298 1625 | Direct: +1 778 945 5340  
 Suite 600 | 4321 Still Creek Drive | Burnaby, BC V5C 6S7 | Canada  
[marylou.lauria@worleyparsons.com](mailto:marylou.lauria@worleyparsons.com) <<mailto:jason.tielker@worleyparsons.com>> | [www.worleyparsons.com](http://www.worleyparsons.com) <<http://www.worleyparsons.com/>>

No.	lab.Name	Date Processed	Sample ID	sampling Date	Location	UTM X	UTM Y	Time	Total Dry Weight (g)	Amount ug/mg Glucose	Field Duplicate TC Reproduc., %
#1	091113-41	Oct-13	RB2001	23-Aug-13	Elner Biofilm	487705.5576	5433969.413	12:00:00 PM	30.181	1.92	
#2	091113-42	Oct-13	RB2002	19-Aug-13	Elner Biofilm	488029.5481	5433749.411	9:20:00 AM	20.732	3.20	
#3	091113-43	Oct-13	RB2003	23-Aug-13	Elner Biofilm	488212.0581	5433977.902	1:00:00 PM	21.616	4.31	
#4	091113-44	Oct-13	RB2004	19-Aug-13	Elner Biofilm	488567.1743	5434111.601	8:45:00 AM	15.402	8.32	
#5	091113-45	Oct-13	RB2005	21-Aug-13	Elner Biofilm	489176.2481	5433885.94	11:20:00 AM	14.254	10.91	
#6	091113-46	Oct-13	RB2006	22-Aug-13	Elner Biofilm	490114.9717	5433477.061	2:30:00 PM	19.042	12.49	
#7	091113-47	Oct-13	RB2006 DUP	22-Aug-13	Elner Biofilm	490114.9717	5433477.061	2:30:00 PM	20.847	11.54	96.07%
#8	091113-48	Oct-13	RB2007	22-Aug-13	Elner Biofilm	490635.6202	5432945.094	12:15:00 PM	19.826	4.90	
#9	091113-49	Oct-13	RB2008	20-Aug-13	Elner Biofilm	490315.1667	5432611.907	8:20:00 AM	19.135	5.97	
#10	091113-50	Oct-13	RB2009	21-Aug-13	Elner Biofilm	488884.5788	5433479.46	11:45:00 AM	26.275	5.31	
#11	091113-51	Oct-13	RB2010	17-Aug-13	Elner Biofilm	489772.8334	5432070.785	9:41:00 AM	11.278	14.47	
#12	091113-52	Oct-13	RB2011	17-Aug-13	Elner Intertidal 1	4889816.7327	5432600.962	10:28:00 AM	16.509	1.77	
#13	091113-53	Oct-13	RB2012	20-Aug-13	Elner Intertidal 1	490106.0332	5432700.156	8:40:00 AM	24.079	2.26	
#14	091113-54	Oct-13	RB2013	21-Aug-13	Elner Intertidal 1	490222.0379	5432857.57	3:00:00 PM	31.156	2.00	
#15	091113-55	Oct-13	RB2014	21-Aug-13	Elner Intertidal 1	489916.4504	5432975.264	2:10:00 PM	31.292	2.31	
#16	091113-91	Oct-13	RB2014DUP	21-Aug-13	Elner Intertidal 1	489916.4504	5432975.264	2:10:00 PM	31.251	1.95	91.47%
#17	091113-56	Oct-13	RB2015	22-Aug-13	Elner Intertidal 1	489777.592	5433172.568	2:10:00 PM	32.976	2.39	
#18	091113-57	Oct-13	RB2016	17-Aug-13	Elner Intertidal 1	488998.884	5432618.872	10:03:00 AM	19.95	1.73	
#19	091113-58	Oct-13	RB2017	21-Aug-13	Elner Intertidal 1	489466.4081	5433111.139	1:15:00 PM	29.398	2.33	
#20	091113-59	Oct-13	RB2018	21-Aug-13	Elner Intertidal 1	489322.8266	5433323.092	12:20:00 PM	30.596	1.82	
#21	091113-60	Oct-13	RB2019	19-Aug-13	Elner Intertidal 1	487281.3551	5433974.147	2:20:00 AM	31.436	0.84	
#22	091113-61	Oct-13	RB2020	21-Aug-13	Elner Intertidal 1	489759.7679	5432898.3	1:45:00 PM	24.96	1.56	
#23	091113-62	Oct-13	RB2021	17-Aug-13	Intercauseway	490725.3215	5432578.715	7:50:00 AM	13.111	2.62	
#24	091113-63	Oct-13	RB2021 DUP	17-Aug-13	Intercauseway	490725.3215	5432578.715	7:50:00 AM	14.019	2.93	105.58%
#25	091113-64	Oct-13	RB2022	17-Aug-13	Intercauseway	491094.2338	5432650.698	8:06:00 AM	12.987	3.45	
#26	091113-65	Oct-13	RB2023	17-Aug-13	Intercauseway	491178.8937	5431828.287	7:30:00 AM	13.592	2.28	
#27	091113-66	Oct-13	RB2024	17-Aug-13	Intercauseway	492008.2451	5432037.064	6:15:00 AM	13.257	7.85	
#28	091113-67	Oct-13	RB2025	17-Aug-13	Intercauseway	492214.4568	5430939.09	6:55:00 AM	16.305	2.18	
#29	091113-68	Oct-13	RB2026	19-Aug-13	Canoe Pass Biofilm	486249.5985	5433062.309	11:25:00 AM	33.747	1.72	
#30	091113-69	Oct-13	RB2027	21-Aug-13	Canoe Pass Biofilm	487202.3895	5433676.719	2:05:00 PM	29.395	1.37	
#31	091113-70	Oct-13	RB2028	20-Aug-13	Canoe Pass Biofilm	486164.2796	5434328.15	11:40:00 AM	27.587	1.62	
#32	091113-71	Oct-13	RB2029	20-Aug-13	Canoe Pass Biofilm	486000.4974	5434782.384	12:45:00 PM	28.237	1.65	
#33	091113-72	Oct-13	RB2030	19-Aug-13	Canoe Pass Biofilm	485548.9249	5434010.122	12:52:00 PM	36.788	1.12	
#34	091113-73	Oct-13	RB2031	19-Aug-13	Canoe Pass Biofilm	486036.8137	5433306.138	11:48:00 AM	35.879	1.11	
#35	091113-74	Oct-13	RB2032	20-Aug-13	Canoe Pass Biofilm	486031.3509	5433577.999	10:30:00 AM	27.155	0.90	
#36	091113-75	Oct-13	RB2033	19-Aug-13	Canoe Pass Biofilm	485294.0075	5433743.165	12:40:00 PM	40.827	1.49	
#37	091113-76	Oct-13	RB2034	19-Aug-13	Canoe Pass Biofilm	486643.8789	5434181.388	1:30:00 PM	33.607	1.42	
#38	091113-77	Oct-13	RB2035	20-Aug-13	Canoe Pass Intertidal 1	485813.8034	5434697.689	12:30:00 PM	35.502	0.53	
#39	091113-78	Oct-13	RB2036	20-Aug-13	Canoe Pass Intertidal 1	485263.6151	5434432.638	12:10:00 PM	34.63	0.49	
#40	091113-79	Oct-13	RB2037	20-Aug-13	Canoe Pass Intertidal 1	486474.5484	5434643.138	1:00:00 PM	33.918	0.60	
#41	091113-80	Oct-13	RB2038	20-Aug-13	Canoe Pass Intertidal 1	486084.0776	5433994.679	11:10:00 AM	34.046	0.89	
#42	091113-81	Oct-13	RB2039	20-Aug-13	Canoe Pass Intertidal 1	485992.9493	5433792.421	10:50:00 AM	31.217	0.93	
#43	091113-82	Oct-13	RB2040	19-Aug-13	Canoe Pass Intertidal 1	486815.5743	5434124.114	1:50:00 PM	33.292	1.06	
#44	091113-83	Oct-13	RB2041	21-Aug-13	Canoe Pass Intertidal 1	487061.6782	5433769.009	1:40:00 PM	33.073	0.99	
#45	091113-84	Oct-13	RB2042	19-Aug-13	Canoe Pass Intertidal 1	485229.7583	5433475.703	12:30:00 PM	33.934	1.42	
#46	091113-85	Oct-13	RB2043	19-Aug-13	Canoe Pass Intertidal 1	486895.5019	5433123.48	10:21:00 AM	34.045	0.81	
#47	091113-86	Oct-13	RB2044	19-Aug-13	Canoe Pass Intertidal 1	486344.0177	5433283.09	10:54:00 AM	32.356	1.14	
#48	091113-87	Oct-13	RB2044 DUP	19-Aug-13	Canoe Pass Intertidal 1	486344.0177	5433283.09	10:54:00 AM	32.328	1.21	103.23%
#49	091113-88	Oct-13	RB2045	19-Aug-13	Canoe Pass Biofilm	486987.4197	5433175.133	10:00:00 AM	33.523	0.97	
#50	091113-89	Oct-13	RB2046	22-Aug-13	Elner Biofilm	489626	54333201	10:47	13.38		
#51	091113-90	Oct-13	RB2047	21-Aug-13	Elner Biofilm	489779	5433792	10:40:00 AM	13.364	6.90	

MDL, ug/mg 0.01

All results are presented in ug of Glucose per mg of dry weight of sediment.



**Aquatech Enviroscience Laboratories Inc.**  
 6311 Rodolph Rd. Victoria, BC V8Z 5V9  
 P. (250) 217-2977 | F. (250) 472-4766  
[www.aquatechenvirolabs.com](http://www.aquatechenvirolabs.com)

08-Oct-13 Page: 2 of 2

Contract:


**Client: Christopher Martin**  
 Fisheries Biologist & Environmental Consultant  
 Infrastructure and Environment  
 BC Business Unit, WorleyParsons Canada  
 Tel: +1 778 945 5379 | Fax: +1 604 298 1625  
 #600-4321 | Still Creek Drive | Burnaby, British Columbia V5C 6S7 | Canada  
[Christopher.Martin@worleyparsons.com](mailto:Christopher.Martin@worleyparsons.com)  
[Christopher.Martin@worleyparsons.com](mailto:Christopher.Martin@worleyparsons.com)  
[www.worleyparsons.com](http://www.worleyparsons.com) <<http://www.worleyparsons.com>>

**Mary Lou Lauria, Ph.D**  
 EA Lead Canada, Managing Consultant Environmental Management  
 BC Business Unit  
 Infrastructure & Environment Operations, WorleyParsons Canada  
 Tel: +1 604 298 1616 | Mob: +1 778 986 6116 | Fax: +1 604 298 1625 | Direct: +1 778 945 5340  
 Suite 600 | 4321 Still Creek Drive | Burnaby, BC V5C 6S7 | Canada  
[marylou.lauria@worleyparsons.com](mailto:marylou.lauria@worleyparsons.com) <<mailto:jason.tielker@worleyparsons.com>> | [www.worleyparsons.com](http://www.worleyparsons.com) <<http://www.worleyparsons.com>>

No.	lab.Name	Date Processed	Sample ID	sampling Date	Location	UTM X	UTM Y	Time	Total Dry Weight (g)	Total Organic C ug/mg	Method Duplicate TOC Reproduc. %
#1	091113-41 091113-41dup	Oct-13	RB2001	23-Aug-13	EIner Biofilm	487705.5576	5433968.41	12:00:00 PM	30.181	6.08 6.05	99.75%
#12	091113-52 091113-52dup	Oct-13	RB2011	17-Aug-13	EIner Intertidal 1	489816.7327	5432600.96	10:28:00 AM	16.509	3.97 4.43	105.48%
#44	091113-84 091113-84dup	Oct-13	RB2042	19-Aug-13	Canoe Pass Intertidal 1	485229.7583	5433475.7	12:30:00 PM	33.934	3.48 3.58	101.42%
#33	091113-73 091113-73dup	Oct-13	RB2031	19-Aug-13	Canoe Pass Biofilm	486038.8137	5433306.14	11:48:00 AM	35.879	2.37 2.18	95.82%

MDL, ug/mg 0.5

CALCHK - for TOC determination we used Low Organic Soil Standard from Elemental Microanalysis Ltd., (UK) with TOC content at 16.0ug/mg



**Aquatech Enviroscience Laboratories Inc.**  
 6311 Rodolph Rd. Victoria, BC V8Z 5V9  
 P. (250) 217-2977 | F. (250) 472-4766  
[www.aquatechenvirolabs.com](http://www.aquatechenvirolabs.com)

02-Nov-13 Page: 1 of 2

Contract:

**Client:** Christopher Martin  
 Fisheries Biologist & Environmental Consultant  
 Infrastructure and Environment  
 BC Business Unit, WorleyParsons Canada  
 Tel: +1 778 945 5379 | Fax: +1 604 298 1625  
 #600-4321 | Still Creek Drive | Burnaby, British Columbia V5C 6S7 | Canada  
[Christopher.Martin@worleyparsons.com](mailto:Christopher.Martin@worleyparsons.com) <<mailto:Christopher.Martin@worleyparsons.com>>  
[www.worleyparsons.com](http://www.worleyparsons.com) <<http://www.worleyparsons.com/>>

**Mary Lou Lauria, Ph.D**  
 EA Lead Canada, Managing Consultant Environmental Management  
 BC Business Unit  
 Infrastructure & Environment Operations, WorleyParsons Canada  
 Tel: +1 604 298 1616 | Mob: +1 778 986 6116 | Fax: +1 604 298 1625 | Direct: +1 778 945 5340  
 Suite 600 | 4321 Still Creek Drive | Burnaby, BC V5C 6S7 | Canada  
[marylou.lauria@worleyparsons.com](mailto:marylou.lauria@worleyparsons.com) <<mailto:marylou.lauria@worleyparsons.com>> | [www.worleyparsons.com](http://www.worleyparsons.com) <<http://www.worleyparsons.com/>>

No.	lab.Name	Date Processed	Sample ID	sampling Date	Location	UTM X	UTM Y	Time	Total Dry Weight (g)	Total Organic C ug/mg	Field Duplicate TOC Reproduc. %	Total Lipids, ug/mg Batch#April	Total Lipids, ug/mg Batch#August	Lipid Dup Rep. April	Lipid Dup Rep. Aug	Lipids Dup. Reprod.%
#1	091113-41	Oct-13	RB2001	23-Aug-13	Elnor Biofilm	487705.5576	5433969.413	12:00:00 PM	30.181	6.08		1.14	1.27	1.78		122.12%
#2	091113-42	Oct-13	RB2002	19-Aug-13	Elnor Biofilm	488029.5481	5433749.411	9:20:00 AM	20.732	8.00		1.67	1.69		1.39	90.23%
#3	091113-43	Oct-13	RB2003	23-Aug-13	Elnor Biofilm	488212.0581	5433977.902	1:00:00 PM	21.616	7.10		5.79	2.07			
#4	091113-44	Oct-13	RB2004	19-Aug-13	Elnor Biofilm	488567.1743	5434111.601	8:45:00 AM	15.402	12.17		3.03	2.57			
#5	091113-45	Oct-13	RB2005	21-Aug-13	Elnor Biofilm	489176.2481	5433885.94	11:20:00 AM	14.254	16.66		3.19	4.15			
#6	091113-46	Oct-13	RB2006	22-Aug-13	Elnor Biofilm	490114.9717	5433477.061	2:30:00 PM	19.042	18.12		3.83	4.49			
#7	091113-47	Oct-13	RB2006 DUP	22-Aug-13	Elnor Biofilm	490114.9717	5433477.061	2:30:00 PM	20.847	18.09	99.92%	na	na			
#8	091113-48	Oct-13	RB2007	22-Aug-13	Elnor Biofilm	490335.6202	5432945.094	12:15:00 PM	19.826	12.60		2.13	2.22			
#9	091113-49	Oct-13	RB2008	20-Aug-13	Elnor Biofilm	490315.1667	5432611.907	8:20:00 AM	19.135	11.96		2.52	2.18			
#10	091113-50	Oct-13	RB2009	21-Aug-13	Elnor Biofilm	488884.5788	5433479.46	11:45:00 AM	26.275	9.85		1.39	2.04			
#11	091113-51	Oct-13	RB2010	17-Aug-13	Elnor Biofilm	489772.8334	5432070.785	9:41:00 AM	11.278	19.77		1.86	4.72	2.55		115.53%
#12	091113-52	Oct-13	RB2011	17-Aug-13	Elnor Intertidal 1	489816.7327	5432600.962	10:28:00 AM	16.509	3.97						
#13	091113-53	Oct-13	RB2012	20-Aug-13	Elnor Intertidal 1	490106.0332	5432700.156	8:40:00 AM	24.079	5.15						
#14	091113-54	Oct-13	RB2013	21-Aug-13	Elnor Intertidal 1	490222.0379	5432857.57	3:00:00 PM	31.156	5.35						
#15	091113-55	Oct-13	RB2014	22-Aug-13	Elnor Intertidal 1	489916.4504	5432975.264	2:10:00 PM	31.292	5.23						
#16	091113-56	Oct-13	RB2015	22-Aug-13	Elnor Intertidal 1	489777.592	5433172.568	2:10:00 PM	32.976	5.78						
#17	091113-57	Oct-13	RB2016	17-Aug-13	Elnor Intertidal 1	488998.884	5432618.872	10:03:00 AM	19.95	4.19						
#18	091113-58	Oct-13	RB2017	21-Aug-13	Elnor Intertidal 1	489466.4081	5433111.139	1:15:00 PM	29.398	5.47						
#19	091113-59	Oct-13	RB2018	21-Aug-13	Elnor Intertidal 1	489322.8266	5433323.092	12:20:00 PM	30.596	5.11						
#20	091113-60	Oct-13	RB2019	19-Aug-13	Elnor Intertidal 1	487281.3551	5433974.147	2:20:00 AM	31.436	1.90						
#21	091113-61	Oct-13	RB2020	21-Aug-13	Elnor Intertidal 1	489759.7679	5432898.3	1:45:00 PM	24.96	4.59						
#22	091113-62	Oct-13	RB2021	17-Aug-13	Intercauseway	490725.3215	5432578.715	7:50:00 AM	13.111	4.12		0.05	1.31			
#23	091113-63	Oct-13	RB2021 DUP	17-Aug-13	Intercauseway	490725.3215	5432578.715	7:50:00 AM	14.019	4.13	100.12%	na	na			
#24	091113-64	Oct-13	RB2022	17-Aug-13	Intercauseway	491094.2338	5432650.698	8:06:00 AM	12.987	5.28		0.14	2.84	3.24		106.61%
#25	091113-65	Oct-13	RB2023	17-Aug-13	Intercauseway	491178.8937	5431828.287	7:30:00 AM	13.592	2.38						
#26	091113-66	Oct-13	RB2024	17-Aug-13	Intercauseway	492008.2451	5432037.064	6:15:00 AM	13.257	15.89						
#27	091113-67	Oct-13	RB2025	17-Aug-13	Intercauseway	492214.4568	5430939.09	6:55:00 AM	16.305	3.17						
#28	091113-68	Oct-13	RB2026	19-Aug-13	Canoe Pass Biofilm	486249.5985	5433062.309	11:25:00 AM	33.747	3.41		4.84	2.18			
#29	091113-69	Oct-13	RB2027	21-Aug-13	Canoe Pass Biofilm	487202.3895	5433676.719	2:05:00 PM	29.395	2.82		2.50	1.55			
#30	091113-70	Oct-13	RB2028	20-Aug-13	Canoe Pass Biofilm	486194.2796	5434328.15	11:40:00 AM	27.587	3.17		0.83	1.68			
#31	091113-71	Oct-13	RB2029	20-Aug-13	Canoe Pass Biofilm	486000.4974	5434782.384	12:45:00 PM	28.237	3.94						
#32	091113-72	Oct-13	RB2030	19-Aug-13	Canoe Pass Biofilm	485548.9249	5434010.122	12:52:00 PM	36.788	2.10		0.96	1.10			
#33	091113-73	Oct-13	RB2031	19-Aug-13	Canoe Pass Biofilm	486038.8137	5433306.138	11:48:00 AM	35.879	2.37		1.11	1.16			
#34	091113-74	Oct-13	RB2032	20-Aug-13	Canoe Pass Biofilm	486031.3509	5433577.999	10:30:00 AM	27.155	1.77		2.45	0.80			
#35	091113-75	Oct-13	RB2033	19-Aug-13	Canoe Pass Biofilm	485294.0075	5433743.165	12:40:00 PM	40.827	2.67		1.76	0.07			
#36	091113-76	Oct-13	RB2034	19-Aug-13	Canoe Pass Biofilm	486643.8789	5434181.388	1:30:00 PM	33.607	1.89		0.84	0.71			
#37	091113-77	Oct-13	RB2035	20-Aug-13	Canoe Pass Intertidal 1	485613.8034	5434697.689	12:30:00 PM	35.502	0.78						
#38	091113-78	Oct-13	RB2036	20-Aug-13	Canoe Pass Intertidal 1	485263.6151	5434432.638	12:10:00 PM	34.63	1.14						
#39	091113-79	Oct-13	RB2037	20-Aug-13	Canoe Pass Intertidal 1	486474.5484	5434643.138	1:00:00 PM	33.918	1.33						
#40	091113-80	Oct-13	RB2038	20-Aug-13	Canoe Pass Intertidal 1	486084.0776	5433994.679	11:10:00 AM	34.046	1.63						
#41	091113-81	Oct-13	RB2039	20-Aug-13	Canoe Pass Intertidal 1	485960.9493	5433792.421	10:50:00 AM	31.217	1.46						
#42	091113-82	Oct-13	RB2040	19-Aug-13	Canoe Pass Intertidal 1	486815.5743	5434123.414	1:50:00 PM	33.292	3.11						
#43	091113-83	Oct-13	RB2041	21-Aug-13	Canoe Pass Intertidal 1	487061.6782	5433769.009	1:40:00 PM	33.073	1.55						
#44	091113-84	Oct-13	RB2042	19-Aug-13	Canoe Pass Intertidal 1	485229.7583	5433475.703	12:30:00 PM	33.834	3.48						
#45	091113-85	Oct-13	RB2043	19-Aug-13	Canoe Pass Intertidal 1	486344.0177	5433283.09	10:54:00 AM	32.356	2.66						
#46	091113-86	Oct-13	RB2044	19-Aug-13	Canoe Pass Intertidal 1	486344.0177	5433283.09	10:54:00 AM	32.328	2.72	101.12%					
#47	091113-87	Oct-13	RB2044 DUP	19-Aug-13	Canoe Pass Intertidal 1	486344.0177	5433283.09	10:54:00 AM	32.328	2.72						
#48	091113-88	Oct-13	RB2045	19-Aug-13	Canoe Pass Biofilm	486987.4197	5433175.133	10:00:00 AM	33.523	2.25		1.00	0.27			
#49	091113-89	Oct-13	RB2046	22-Aug-13	Elnor Biofilm	490626	5433201	10:25:00 AM	8.047	17.63						
#50	091113-90	Oct-13	RB2047	21-Aug-13	Elnor Biofilm	489779	5433792	10:40:00 AM	13.364	13.69		2.02	2.51			
#51	091113-91	Oct-13	RB2014 DUP	21-Aug-13	Elnor Intertidal 1	489916.4504	5432975.264	2:10:00 PM	31.251	5.91	106.10%					

<b>MDL, ug/mg</b>	<b>0.5</b>	<b>0.5</b>	<b>0.5</b>
-------------------	------------	------------	------------

All results are presented in ug of Total Organic Carbon per mg of dry weight of sediment.





25-Feb-14 Page: 1 of 1

Contract:

**Client:** Christopher Martin  
 Fisheries Biologist & Environmental Consultant  
 Infrastructure and Environment  
 BC Business Unit, WorleyParsons Canada

Tel: +1 778 945 5379 | Fax: +1 604 298 1625  
 #600-4321 | Still Creek Drive | Burnaby, British Columbia V5C 6S7 | Canada  
[Christopher.Martin@worleyparsons.com](mailto:Christopher.Martin@worleyparsons.com) <<mailto:Christopher.Martin@worleyparsons.com>>  
[www.worleyparsons.com](http://www.worleyparsons.com) <<http://www.worleyparsons.com/>>

**Mary Lou Lauria, Ph.D**  
 EA Lead Canada, Managing Consultant Environmental Management  
 BC Business Unit

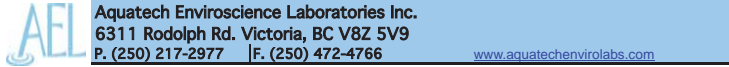
Infrastructure & Environment Operations, WorleyParsons Canada  
 Tel: +1 604 298 1616 | Mob: +1 778 986 6116 | Fax: +1 604 298 1625 | Direct: +1 778 945 5340  
 Suite 600 | 4321 Still Creek Drive | Burnaby, BC V5C 6S7 | Canada  
[marylou.lauria@worleyparsons.com](mailto:marylou.lauria@worleyparsons.com) <<mailto:jason.tielker@worleyparsons.com>> | [www.worleyparsons.com](http://www.worleyparsons.com) <<http://www.worleyparsons.com/>>

No.	Name	Sample Total Dry Weight gr	Date Collected	Sample ID	Time	ExtractionDry Weight mg	Amount ppb Chlc2	Amount ppb Fuco	Amount ppb Ddx	Amount ppb Sud	Amount ppb Allo	Amount ppb Myxo	Amount ppb Lut	Amount ppb Zea	Amount ppb Cant	Amount ppb Chlb	Amount ppb Chia	Amount ppb DVCh-a	Amount ppb Echi	Amount ppb Pita	Amount ppb Acar	Amount ppb Beta
441	AV-1	21.262	4-Feb-18	RB2001	3:36 PM	226	129.4	5257.4	3197.3	na	28.3	0.0	515.3	443.6	75.6	282.4	3793.5	967.5	15.1	1022.4	384.0	nd
444	AV-2	20.007	4-Feb-18	RB2002	3:50 PM	227	165.8	5360.2	3399.0	na	27.6	0.0	475.5	242.6	77.0	201.7	5782.8	783.4	26.4	863.0	283.9	nd
445	AV-3	19.016	4-Feb-18	RB2003	4:00 PM	226	286.4	6703.7	3781.3	na	5.7	0.0	742.6	159.3	82.6	146.8	7487.4	2051.0	36.0	1586.6	505.6	nd
446	AV-4	14.725	4-Feb-18	RB2004	4:20 PM	225	231.9	8886.5	314.5	na	124.6	2106.0	739.6	46.4	112.9	118.2	8179.8	1969.6	81.0	5573.2	498.8	nd
447	AV-5	14.640	3-Feb-18	RB2005	11:20 AM	224	497.6	10355.9	4852.5	na	217.0	1984.3	765.3	17.7	134.1	84.6	8993.7	3373.9	108.1	6015.0	401.9	nd
448	AV-6	13.555	3-Feb-18	RB2005 DUP	11:20 AM	225	687.5	11121.1	7746.4	na	144.4	798.0	1243.0	245.4	75.9	112.7	13781.7	6262.1	31.2	4229.7	902.8	nd
449	AV-7	14.008	2-Feb-18	RB2006	3:05 PM	228	859.9	13003.1	9426.5	na	267.5	745.3	1624.7	398.1	122.3	144.9	16712.2	6700.4	166.4	6894.4	1029.7	nd

<b>MDL, ng/g (ppb)</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>
------------------------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------

All results are presented in ng per g of dry weight of sediment.

na- not applicable  
 nd- non detectable



17-Mar-14 Page: 1 of 1

Contract:

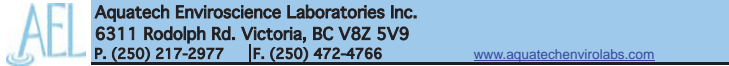
**Client:** Christopher Martin  
 Fisheries Biologist & Environmental Consultant  
 Infrastructure and Environment  
 BC Business Unit, WorleyParsons Canada  
 Tel: +1 778 945 5379 | Fax: +1 604 298 1625  
 #600-4321 | Still Creek Drive | Burnaby, British Columbia V5C 6S7 | Canada  
[Christopher.Martin@worleyparsons.com](mailto:Christopher.Martin@worleyparsons.com) <<mailto:Christopher.Martin@worleyparsons.com>>  
[www.worleyparsons.com](http://www.worleyparsons.com) <<http://www.worleyparsons.com/>>

**Mary Lou Lauria, Ph.D**  
 EA Lead Canada, Managing Consultant Environmental Management  
 BC Business Unit  
 Infrastructure & Environment Operations, WorleyParsons Canada  
 Tel: +1 604 298 1616 | Mob: +1 778 986 6116 | Fax: +1 604 298 1625 | Direct: +1 778 945 5340  
 Suite 600 | 4321 Still Creek Drive | Burnaby, BC V5C 6S7 | Canada  
[marylou.lauria@worleyparsons.com](mailto:marylou.lauria@worleyparsons.com) <<mailto:jason.tielker@worleyparsons.com>> | [www.worleyparsons.com](http://www.worleyparsons.com) <<http://www.worleyparsons.com/>>

No.	Name	Sample Total Dry Weight gr	Date Collected	Sample ID	Time	ExtractionDry Weight mg	Amount ppb Chlc2	Amount ppb Fuco	Amount ppb Ddx	Amount ppb Sud	Amount ppb Alilo	Amount ppb Myxo	Amount ppb Lut	Amount ppb Zea	Amount ppb Cant	Amount ppb Chlb	Amount ppb Chia	Amount ppb DVCh-a	Amount ppb Echi	Amount ppb Pita	Amount ppb Acar	Amount ppb Beta
556	AV-26	18.693	01-Feb-14	RB2024DUP	12:50 PM	504	1941.7	12108.3	10048.5	na	nd	nd	1133.2	296.6	26.9	134.5	16975.0	6222.1	58.0	2427.3	792.1	nd
495	AV-27	18.641	01-Feb-14	RB2025	11:50 AM	231	1335.2	17360.0	7335.7	na	nd	nd	326.9	113.4	19.8	50.2	9494.4	2017.6	173.1	17753.7	129.0	nd
557	AV-28	23.870	04-Feb-14	RB2026	3:30 PM	513	309.5	3139.1	2496.7	na	nd	nd	342.3	25.2	20.7	70.6	3541.5	967.3	20.5	780.2	137.3	nd
558	AV-29	23.865	04-Feb-14	RB2027	2:10 PM	515	692.1	6341.9	4706.7	na	nd	nd	623.1	132.7	12.5	228.1	8485.1	3262.4	75.3	3253.8	227.3	nd
524	AV-30	16.371	3-Feb-14	RB2028	2:36 PM	1158	97.6	3900.8	2447.3	na	7.9	nd	345.1	111.4	56.5	173.0	5636.2	1939.2	42.8	446.6	189.1	nd
525	AV-31	26.951	04-Feb-14	RB2031	3:20 PM	1212	158.0	3569.2	2416.5	na	15.1	nd	309.3	40.1	19.1	94.0	4236.5	1779.3	32.7	392.4	134.6	nd
526	AV-32	23.779	04-Feb-14	RB2032	3:00 PM	1170	531.8	3977.9	2701.9	na	nd	nd	283.5	65.0	14.3	71.2	4076.0	2046.0	20.8	289.4	137.6	nd
506	AV-33	24.228	3-Feb-14	RB2034	2:50 PM	230	660.8	4650.0	2671.8	na	13.7	nd	198.4	14.0	2.8	63.6	3790.5	904.3	41.6	473.9	117.9	nd
509	AV-34	26.294	3-Feb-14	RB2034 DUP	2:50 PM	231	567.1	4017.3	2524.9	na	6.6	nd	218.9	17.6	nd	50.6	3568.0	934.0	36.8	521.8	116.2	nd
510	AV-35	25.644	3-Feb-14	RB2037	1:15 PM	226	612.9	6174.3	2863.4	na	30.1	nd	95.5	13.3	nd	99.0	3509.1	943.0	70.8	473.3	105.3	nd
511	AV-36	24.546	04-Feb-14	RB2038	2:40 PM	226	423.8	3950.8	1551.4	na	6.2	nd	80.2	8.1	5.9	44.0	1836.8	379.4	36.2	344.4	75.7	nd
512	AV-37	26.873	04-Feb-14	RB2039	2:50 PM	228	1072.3	7598.5	4255.8	na	11.0	nd	302.5	21.3	nd	44.1	6375.6	2132.1	22.5	740.4	256.1	nd
513	AV-38	22.881	3-Feb-14	RB2040	3:00 PM	235	420.8	4563.9	2652.9	na	10.7	nd	174.0	10.2	11.0	54.5	2832.4	695.9	nd	549.9	86.4	nd
514	AV-39	23.835	04-Feb-14	RB2041	1:45 PM	234	1617.2	11100.6	7862.4	na	183.6	nd	708.0	79.3	18.2	144.7	12198.1	4456.1	nd	975.1	556.2	nd
532	AV-40	22.289	04-Feb-14	RB2043	4:15 PM	232	830.9	6445.1	3999.7	na	120.3	nd	396.4	72.4	52.3	153.5	7683.2	2950.4	56.0	1169.7	234.0	nd
535	AV-41	23.664	04-Feb-14	RB2044	3:40 PM	230	916.5	6284.4	3746.7	na	83.4	nd	395.0	69.9	30.2	74.7	5886.0	2164.5	56.3	1050.6	242.6	nd
536	AV-42	22.560	04-Feb-14	RB2045	4:30 PM	231	822.0	6079.3	4302.9	na	116.9	nd	486.7	104.3	31.6	131.9	7995.6	3563.5	35.2	734.2	241.8	nd

<b>MDL, ng/g (ppb)</b>							10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
All results are presented in ng per g of dry weight of sediment.																						

na- not applicable  
 nd- non detectable



19-Mar-14 Page: 1 of 1

Contract:

**Client:** Christopher Martin  
 Fisheries Biologist & Environmental Consultant  
 Infrastructure and Environment  
 BC Business Unit, WorleyParsons Canada  
 Tel: +1 778 945 5379 | Fax: +1 604 298 1625  
 #600-4321 | Still Creek Drive | Burnaby, British Columbia V5C 6S7 | Canada  
[Christopher.Martin@worleyparsons.com](mailto:Christopher.Martin@worleyparsons.com)  
[www.worleyparsons.com](http://www.worleyparsons.com)

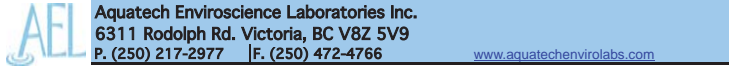
**Mary Lou Lauria, Ph.D**  
 EA Lead Canada, Managing Consultant Environmental Management  
 BC Business Unit  
 Infrastructure & Environment Operations, WorleyParsons Canada  
 Tel: +1 604 298 1616 | Mob: +1 778 986 6116 | Fax: +1 604 298 1625 | Direct: +1 778 945 5340  
 Suite 600 | 4321 Still Creek Drive | Burnaby, BC V5C 6S7 | Canada  
[marylou.lauria@worleyparsons.com](mailto:marylou.lauria@worleyparsons.com) | [www.worleyparsons.com](http://www.worleyparsons.com)

No.	Name	Sample Total Dry Weight gr	Date Collected	Sample ID	Time	ExtractionDry Weight mg	Amount ppb Chlc2	Amount ppb Fuco	Amount ppb Ddx	Amount ppb Sud	Amount ppb Allo	Amount ppb Myxo	Amount ppb Lut	Amount ppb Zea	Amount ppb Cant	Amount ppb Chlb	Amount ppb Chla	Amount ppb DVCh-a	Amount ppb Echi	Amount ppb Pita	Amount ppb Acar	Amount ppb Beta
560	AV-43	21.394	4-Feb-14	RB2045 DUP	4:30 PM	236	927.3	8568.7	5439.4	na	nd	nd	658.0	96.3	8.4	125.1	7324.1	2718.6	72.5	nd	227.6	nd
562	AV-44	9.459	4-Feb-14	RB2046	2:45 PM	236	1252.2	15070.3	10206.6	na	64.2	nd	2043.6	503.1	125.5	228.0	18577.9	8247.9	268.9	5432.1	1277.9	nd
563	AV-45	8.904	4-Feb-14	RB2047	2:06 PM	228	1123.1	16812.9	9728.3	na	105.6	nd	1609.1	619.3	143.6	166.4	14889.3	7202.1	250.8	8771.7	1189.9	nd
564	AV-46	21.884	4-Feb-14	RB-AV001	12:50 PM	233	535.4	3978.6	3355.5	na	nd	nd	399.3	44.3	7.3	97.5	5038.0	1945.2	139.0	nd	145.2	nd
545	AV-47	21.509	3-Feb-14	RB-AV002	2:05 PM	226	174.9	5253.0	2760.6	na	nd	nd	359.0	171.0	30.1	155.4	9244.4	1133.5	nd	1149.2	315.2	nd
548	AV-48	16.509	3-Feb-14	RB-AV003	2:25 PM	228	181.3	4248.0	2220.2	na	nd	nd	285.7	123.1	28.1	101.2	5370.2	2056.9	45.1	770.9	262.6	nd
549	AV-49	21.574	4-Feb-14	RB-AV004	3:10 PM	226	559.8	4138.5	2883.7	na	nd	nd	418.7	59.4	9.1	67.2	4841.8	1548.8	21.8	712.4	209.1	nd
550	AV-50	23.782	4-Feb-14	RB-AV005	4:00 PM	230	670.6	7059.0	3511.6	na	nd	nd	305.1	100.6	24.6	102.5	5695.4	1334.1	30.9	504.7	155.8	nd
551	AV-51	23.962	4-Feb-14	RB-AV006	4:40 PM	230	1275.8	8147.1	6532.1	na	nd	nd	889.0	141.8	20.9	107.0	9511.5	3899.3	39.5	668.4	286.6	nd

<b>MDL, ng/g (ppb)</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>
------------------------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------

All results are presented in ng per g of dry weight of sediment.

na- not applicable  
 nd- non detectable



06-Mar-14 Page: 1 of 1

Contract:

**Client:** Christopher Martin  
 Fisheries Biologist & Environmental Consultant  
 Infrastructure and Environment  
 BC Business Unit, WorleyParsons Canada  
 Tel: +1 778 945 5379 | Fax: +1 604 298 1625  
 #600-4321 | Still Creek Drive | Burnaby, British Columbia V5C 6S7 | Canada  
[Christopher.Martin@worleyparsons.com](mailto:Christopher.Martin@worleyparsons.com) <<mailto:Christopher.Martin@worleyparsons.com>>  
[www.worleyparsons.com](http://www.worleyparsons.com) <<http://www.worleyparsons.com/>>

**Mary Lou Lauria, Ph.D**  
 EA Lead Canada, Managing Consultant Environmental Management  
 BC Business Unit  
 Infrastructure & Environment Operations, WorleyParsons Canada  
 Tel: +1 604 298 1616 | Mob: +1 778 986 6116 | Fax: +1 604 298 1625 | Direct: +1 778 945 5340  
 Suite 600 | 4321 Still Creek Drive | Burnaby, BC V5C 6S7 | Canada  
[marylou.lauria@worleyparsons.com](mailto:marylou.lauria@worleyparsons.com) <<mailto:jason.tielker@worleyparsons.com>> | [www.worleyparsons.com](http://www.worleyparsons.com) <<http://www.worleyparsons.com/>>

No.	Name	Sample Total Dry Weight gr	Date Collected	Sample ID	Time	ExtractionDry Weight mg	Amount ppb Chlc2	Amount ppb Fuco	Amount ppb Ddx	Amount ppb Sud	Amount ppb Allo	Amount ppb Myxo	Amount ppb Lut	Amount ppb Zea	Amount ppb Cant	Amount ppb Chlb	Amount ppb Chla	Amount ppb DVCh-a	Amount ppb Echi	Amount ppb Phta	Amount ppb Acar	Amount ppb Beta
455	AV-8	13.477	01-Feb-14	RB2007	2:30 PM	232	1502.9	17986.9	11187.6	na	8.2	nd	1469.4	132.4	77.5	140.6	23472.1	11342.5	59.1	2891.5	887.5	nd
457	AV-9	20.018	01-Feb-14	RB2008	1:56 PM	230	1119.3	13929.5	9372.2	na	0.0	nd	1380.0	584.2	74.1	336.6	20178.2	11690.6	28.4	2652.1	1021.2	nd
458	AV-10	20.796	02-Feb-14	RB2009	11:45 AM	222	518.8	11083.4	7077.5	na	0.0	nd	891.6	383.6	60.1	196.0	13115.7	7445.8	69.8	3352.2	740.1	nd
459	AV-11	15.511	01-Feb-14	RB2010	1:00 PM	230	985.7	17633.6	8747.0	na	0.0	nd	1884.9	852.6	266.7	332.2	26505.7	11793.0	115.6	10586.0	3169.1	nd
460	AV-12	16.627	01-Feb-14	RB2011	1:12 PM	232	534.5	8497.7	4439.8	na	15.1	nd	458.5	69.5	57.0	59.6	9160.5	4968.3	81.0	1388.1	369.6	nd
461	AV-13	17.530	01-Feb-14	RB2012	1:25 PM	235	860.4	11923.5	6414.1	na	26.3	nd	702.6	60.8	85.0	83.5	13452.8	7472.0	97.1	1716.0	636.2	nd
462	AV-14	15.783	01-Feb-14	RB2013	1:35 PM	230	702.7	10616.3	5979.2	na	10.2	nd	781.4	112.9	59.7	93.2	12101.0	6441.4	49.3	1738.5	474.5	nd
463	AV-15	14.823	02-Feb-14	RB2014	12:40 PM	227	778.7	11077.0	5719.9	na	53.1	nd	777.4	37.2	61.5	45.9	10835.4	6361.2	59.0	1665.3	625.6	nd
468	AV-16	16.18	02-Feb-14	RB2015	12:30 PM	223	919.9	10904.5	5334.7	na	351.7	nd	943.8	67.4	152.8	124.2	9521.1	5613.6	221.9	3726.3	732.1	nd
471	AV-17	20.445	02-Feb-14	RB2016	1:25 PM	233	668.0	6898.4	3526.9	na	22.9	nd	484.0	39.3	51.3	43.6	7153.5	4446.9	37.3	1113.2	398.1	nd
472	AV-18	21.583	02-Feb-14	RB2017	12:16 PM	223	618.7	7722.2	3858.3	na	83.1	nd	629.1	62.9	44.0	48.8	6787.8	3552.5	110.9	2543.7	466.3	nd
473	AV-19	20.371	02-Feb-14	RB2018	12:05 PM	230	630.8	7755.5	4414.3	na	44.7	nd	603.7	148.6	37.5	84.0	8672.3	5308.0	82.3	1606.5	477.0	nd
474	AV-20	25.657	02-Feb-14	RB2019	3:20 PM	234	558.5	5508.9	4264.7	na	nd	nd	905.1	276.1	21.3	508.8	10109.4	5949.2	24.6	822.5	510.9	nd
475	AV-21	16.021	02-Feb-14	RB2020	12:50 PM	233	824.2	10983.8	4940.7	na	305.3	nd	604.5	83.8	62.1	54.1	8198.5	4387.7	81.3	387.5	422.0	nd
481	AV-22	16.896	01-Feb-14	RB2021	11:10 AM	230	2646.6	18761.4	9488.3	na	94.0	1767.2	1215.5	280.0	49.1	182.0	23875.7	8867.5	179.1	5822.1	802.3	115.1
482	AV-23	19.022	01-Feb-14	RB2022	10:50 AM	232	2651.7	19448.9	6963.4	na	nd	2921.7	711.3	382.3	32.2	187.5	22420.1	9160.2	86.5	6637.9	694.1	nd
483	AV-24	19.320	01-Feb-14	RB2023	11:30 AM	231	730.1	20788.7	4157.5	na	nd	2962.2	419.0	70.2	19.9	20.5	299.2	41.5	105.9	54274.5	160.4	nd
485	AV-25	21.762	01-Feb-14	RB2024	12:15 PM	227	1365.0	10008.4	3277.5	na	nd	1687.2	328.9	115.9	18.2	110.4	7880.6	2184.1	154.9	4019.8	369.9	nd

<b>MDL, ng/g (ppb)</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>
------------------------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------

All results are presented in ng per g of dry weight of sediment.

na- not applicable  
 nd- non detectable



**Aquatech Enviroscience Laboratories Inc.**  
 6311 Rodolph Rd. Victoria, BC V8Z 5V9  
 P. (250) 217-2977 | F. (250) 472-4766

[www.aquatechenvirolabs.com](http://www.aquatechenvirolabs.com)

17-Mar-14 Page: 2 of 2

Contract:

**Client: Christopher Martin**  
**Fisheries Biologist & Environmental Consultant**  
**Infrastructure and Environment**  
**BC Business Unit, WorleyParsons Canada**  
 Tel: +1 778 945 5379 | Fax: +1 604 298 1625  
 #600-4321 | Still Creek Drive | Burnaby, British Columbia V5C 6S7 | Canada  
[Christopher.Martin@worleyparsons.com](mailto:Christopher.Martin@worleyparsons.com) <mailto:Christopher.Martin@worleyparsons.com>  
[www.worleyparsons.com](http://www.worleyparsons.com) <http://www.worleyparsons.com/>

**Mary Lou Lauria, Ph.D**  
**EA Lead Canada, Managing Consultant Environmental Management**  
**BC Business Unit**  
**Infrastructure & Environment Operations, WorleyParsons Canada**  
 Tel: +1 604 298 1616 | Mob: +1 778 986 6116 | Fax: +1 604 298 1625 | Direct: +1 778 945 5340  
 Suite 600 | 4321 Still Creek Drive | Burnaby, BC V5C 6S7 | Canada  
[marylou.lauria@worleyparsons.com](mailto:marylou.lauria@worleyparsons.com) <mailto:jason.tielker@worleyparsons.com>

No.	lab. Name	Sample Total Dry Weight gr	Date Collected	Sample ID	Time	Amount ug/mg Glucose	Method Duplicate TOC Reproduc. %
#1	AV-1 AV-1dup	21.262	3-Feb-14	RB2001	3:36 PM	2.159 2.739	<b>111.85%</b>
#21	AV-21 AV-21dup	16.021	2-Feb-14	RB2020	12:50 PM	2.872 3.097	<b>103.77%</b>
#36	AV-36 AV-36dup	24.546	4-Feb-14	RB2038	2:40 PM	0.765 0.636	<b>90.81%</b>
#46	AV-46 AV-46dup	21.884	3-Feb-14	RB-AV001	12:50 PM	0.554 0.590	<b>103.11%</b>

<b>MDL, ug/mg</b>	<b>0.01</b>
-------------------	-------------

All results are presented in ug of Glucose per mg of dry weight of sediment.



**Client: Christopher Martin**  
**Fisheries Biologist & Environmental Consultant**  
**Infrastructure and Environment**  
**BC Business Unit, WorleyParsons Canada**  
 Tel: +1 778 945 5379 | Fax: +1 604 298 1625  
 #600-4321 | Still Creek Drive | Burnaby, British Columbia V5C 6S7 | Canada  
[Christopher.Martin@worleyparsons.com](mailto:Christopher.Martin@worleyparsons.com) <<mailto:Christopher.Martin@worleyparsons.com>>  
[www.worleyparsons.com](http://www.worleyparsons.com) <<http://www.worleyparsons.com/>>

**Mary Lou Lauria, Ph.D**  
**EA Lead Canada, Managing Consultant Environmental Management**  
**BC Business Unit**  
**Infrastructure & Environment Operations, WorleyParsons Canada**  
 Tel: +1 604 298 1616 | Mob: +1 778 986 6116 | Fax: +1 604 298 1625 | Direct: +1 778 945 5340  
 Suite 600 | 4321 Still Creek Drive | Burnaby, BC V5C 6S7 | Canada  
[marylou.lauria@worleyparsons.com](mailto:marylou.lauria@worleyparsons.com) <<mailto:jason.tielker@worleyparsons.com>> | [www.worleyparsons.com](http://www.worleyparsons.com) <<http://www.worleyparsons.com/>>

No.	lab. Name	Sample Total Dry Weight gr	Date Collected	Sample ID	Time	Amount ug/mg Glucose	Field Duplicate TC Reproduc., %
#1	AV-1	21.262	3-Feb-14	RB2001	3:36 PM	2.159	
#2	AV-2	20.007	3-Feb-14	RB2002	3:50 PM	3.261	
#3	AV-3	19.016	3-Feb-14	RB2003	4:00 PM	2.377	
#4	AV-4	14.725	3-Feb-14	RB2004	4:20 PM	2.580	
#5	AV-5	14.640	2-Feb-14	RB2005	11:20 AM	2.900	
#6	AV-6	13.555	2-Feb-14	RB2005 DUP	11:20 AM	2.916	100.27%
#7	AV-7	14.008	1-Feb-14	RB2006	3:05 PM	7.441	
#8	AV-8	13.477	1-Feb-14	RB2007	2:30 PM	4.656	
#9	AV-9	20.018	1-Feb-14	RB2008	1:56 PM	2.620	
#10	AV-10	20.796	2-Feb-14	RB2009	11:45 AM	3.226	
#11	AV-11	15.511	1-Feb-14	RB2010	1:00 PM	3.489	
#12	AV-12	16.627	1-Feb-14	RB2011	1:12 PM	1.732	
#13	AV-13	17.530	1-Feb-14	RB2012	1:25 PM	2.387	
#14	AV-14	15.763	1-Feb-14	RB2013	1:35 PM	3.102	
#15	AV-15	14.823	2-Feb-14	RB2014	12:40 PM	2.977	
#16	AV-16	16.180	2-Feb-14	RB2015	12:30 PM	3.000	
#17	AV-17	20.445	2-Feb-14	RB2016	1:25 PM	1.566	
#18	AV-18	21.583	2-Feb-14	RB2017	12:16 PM	2.284	
#19	AV-19	20.371	2-Feb-14	RB2018	12:05 PM	2.465	
#20	AV-20	25.657	3-Feb-14	RB2019	3:20 PM	0.967	
#21	AV-21	16.021	2-Feb-14	RB2020	12:50 PM	2.872	
#22	AV-22	16.896	1-Feb-14	RB2021	11:10 AM	4.572	
#23	AV-23	19.022	1-Feb-14	RB2022	10:50 AM	2.419	
#24	AV-24	19.320	1-Feb-14	RB2023	11:30 AM	2.288	
#25	AV-25	21.762	1-Feb-14	RB2024	12:15 PM	1.881	
#26	AV-26	18.693	1-Feb-14	RB2024 DUP	12:50 PM	1.866	99.60%
#27	AV-27	18.641	1-Feb-14	RB2025	11:50 AM	2.382	
#28	AV-28	23.870	4-Feb-14	RB2026	3:30 PM	1.040	
#29	AV-29	23.865	4-Feb-14	RB2027	2:10 PM	1.165	
#30	AV-30	16.371	3-Feb-14	RB2028	2:36 PM	2.132	
#31	AV-31	26.951	4-Feb-14	RB2031	3:20 PM	0.949	
#32	AV-32	23.779	4-Feb-14	RB2032	3:00 PM	0.895	
#33	AV-33	24.228	3-Feb-14	RB2034	2:50 PM	0.674	
#34	AV-34	26.294	3-Feb-14	RB2034 DUP	2:50 PM	0.607	94.77%
#35	AV-35	25.644	3-Feb-14	RB2037	1:15 PM	0.636	
#36	AV-36	24.546	4-Feb-14	RB2038	2:40 PM	0.765	
#37	AV-37	26.873	4-Feb-14	RB2039	2:50 PM	0.836	
#38	AV-38	22.881	3-Feb-14	RB2040	3:00 PM	0.961	
#39	AV-39	23.835	4-Feb-14	RB2041	1:45 PM	1.003	
#40	AV-40	22.289	4-Feb-14	RB2043	4:15 PM	0.598	

#41	AV-41	23.664	4-Feb-14	RB2044	3:40 PM	0.894	
#42	AV-42	22.560	4-Feb-14	RB2045	4:30 PM	0.934	
#43	AV-43	21.394	4-Feb-14	RB2045 DUP	4:30 PM	1.056	106.15%
#44	AV-44	9.459	1-Feb-14	RB2046	2:45 PM	3.635	
#45	AV-45	8.904	2-Feb-14	RB2047	2:06 PM	3.586	
#46	AV-46	21.884	3-Feb-14	RB-AV001	12:50 PM	0.554	
#47	AV-47	21.509	3-Feb-14	RB-AV002	2:05 PM	2.509	
#48	AV-48	16.509	3-Feb-14	RB-AV003	2:25 PM	2.235	
#49	AV-49	21.574	4-Feb-14	RB-AV004	3:10 PM	0.868	
#50	AV-50	23.782	4-Feb-14	RB-AV005	4:00 PM	1.066	
#51	AV-51	23.962	4-Feb-14	RB-AV006	4:40 PM	1.008	

**MDL, ug/mg** **0.01**

All results are presented in ug of Glucose per mg of dry weight of sediment.



**Aquatech Enviroscience Laboratories Inc.**  
 6311 Rodolph Rd. Victoria, BC V8Z 5V9  
 P. (250) 217-2977 | F. (250) 472-4766

[www.aquatechenvirolabs.com](http://www.aquatechenvirolabs.com)

17-Mar-14 Page: 2 of 2

Contract:

**Client: Christopher Martin**  
**Fisheries Biologist & Environmental Consultant**  
**Infrastructure and Environment**  
**BC Business Unit, WorleyParsons Canada**  
 Tel: +1 778 945 5379 | Fax: +1 604 298 1625  
 #600-4321 | Still Creek Drive | Burnaby, British Columbia V5C 6S7 | Canada  
[Christopher.Martin@worleyparsons.com](mailto:Christopher.Martin@worleyparsons.com) <mailto:Christopher.Martin@worleyparsons.com>  
[www.worleyparsons.com](http://www.worleyparsons.com) <http://www.worleyparsons.com/>

**Mary Lou Lauria, Ph.D**  
**EA Lead Canada, Managing Consultant Environmental Management**  
**BC Business Unit**  
**Infrastructure & Environment Operations, WorleyParsons Canada**  
 Tel: +1 604 298 1616 | Mob: +1 778 986 6116 | Fax: +1 604 298 1625 | Direct: +1 778 945 5340  
 Suite 600 | 4321 Still Creek Drive | Burnaby, BC V5C 6S7 | Canada  
[marylou.lauria@worleyparsons.com](mailto:marylou.lauria@worleyparsons.com) <mailto:jason.tielker@worleyparsons.com>

No.	lab. Name	Sample Total Dry Weight gr	Date Collected	Sample ID	Time	Total Lipids, ug/mg	Method Duplicate Lipids Reproduc. %
#10	AV-10	20.796	2-Feb-14	RB2009	11:45 AM	2.48	
	AV-10dup					2.36	97.56%
#42	AV-42	22.560	4-Feb-14	RB2045	4:30 PM	0.58	
	AV-42dup					0.52	94.73%
#48	AV-48	16.509	3-Feb-14	RB-AV003	2:25 PM	1.21	
	AV-48dup					1.26	102.06%

<b>MDL, ug/mg</b>	<b>0.5</b>
-------------------	------------





**Client: Christopher Martin**  
**Fisheries Biologist & Environmental Consultant**  
**Infrastructure and Environment**  
**BC Business Unit, WorleyParsons Canada**  
 Tel: +1 778 945 5379 | Fax: +1 604 298 1625  
 #600-4321 | Still Creek Drive | Burnaby, British Columbia V5C 6S7 | Canada  
[Christopher.Martin@worleyparsons.com](mailto:Christopher.Martin@worleyparsons.com) <<mailto:Christopher.Martin@worleyparsons.com>>  
[www.worleyparsons.com](http://www.worleyparsons.com) <<http://www.worleyparsons.com/>>

**Mary Lou Lauria, Ph.D**  
**EA Lead Canada, Managing Consultant Environmental Management**  
**BC Business Unit**  
**Infrastructure & Environment Operations, WorleyParsons Canada**  
 Tel: +1 604 298 1616 | Mob: +1 778 986 6116 | Fax: +1 604 298 1625 | Direct: +1 778 945 5340  
 Suite 600 | 4321 Still Creek Drive | Burnaby, BC V5C 6S7 | Canada  
[marylou.lauria@worleyparsons.com](mailto:marylou.lauria@worleyparsons.com) <<mailto:jason.tielker@worleyparsons.com>>

No.	lab. Name	Sample Total Dry Weight gr	Date Collected	Sample ID	Time	Total Organic C ug/mg	Field Duplicate TOC Reproduc. %	Total Lipids, ug/mg	Field Duplicate Total Lipids Rep. %
#1	AV-1	21.262	3-Feb-14	RB2001	3:36 PM	4.78		3.3838	
#2	AV-2	20.007	3-Feb-14	RB2002	3:50 PM	6.65		1.2008	
#3	AV-3	19.016	3-Feb-14	RB2003	4:00 PM	5.97		1.5842	
#4	AV-4	14.725	3-Feb-14	RB2004	4:20 PM	6.96		2.0625	
#5	AV-5	14.640	2-Feb-14	RB2005	11:20 AM	6.66		3.1522	
#6	AV-6	13.555	2-Feb-14	RB2005 DUP	11:20 AM	7.30	104.58%	1.3462	59.85%
#7	AV-7	14.008	1-Feb-14	RB2006	3:05 PM	12.87		2.1782	
#8	AV-8	13.477	1-Feb-14	RB2007	2:30 PM	10.67		2.6606	
#9	AV-9	20.018	1-Feb-14	RB2008	1:56 PM	6.20		2.9902	
#10	AV-10	20.796	2-Feb-14	RB2009	11:45 AM	5.16		2.4777	
#11	AV-11	15.511	1-Feb-14	RB2010	1:00 PM	10.38		1.7788	
#12	AV-12	16.627	1-Feb-14	RB2011	1:12 PM	4.90			
#13	AV-13	17.530	1-Feb-14	RB2012	1:25 PM	5.91			
#14	AV-14	15.763	1-Feb-14	RB2013	1:35 PM	7.28			
#15	AV-15	14.823	2-Feb-14	RB2014	12:40 PM	7.46			
#16	AV-16	16.180	2-Feb-14	RB2015	12:30 PM	7.89			
#17	AV-17	20.445	2-Feb-14	RB2016	1:25 PM	4.35			
#18	AV-18	21.583	2-Feb-14	RB2017	12:16 PM	4.27			
#19	AV-19	20.371	2-Feb-14	RB2018	12:05 PM	3.62			
#20	AV-20	25.657	3-Feb-14	RB2019	3:20 PM	1.79			
#21	AV-21	16.021	2-Feb-14	RB2020	12:50 PM	7.03			
#22	AV-22	16.896	1-Feb-14	RB2021	11:10 AM	4.88		1.0337	
#23	AV-23	19.022	1-Feb-14	RB2022	10:50 AM	3.76		0.8929	
#24	AV-24	19.320	1-Feb-14	RB2023	11:30 AM	3.02			
#25	AV-25	21.762	1-Feb-14	RB2024	12:15 PM	2.75			
#26	AV-26	18.693	1-Feb-14	RB2024 DUP	12:50 PM	3.03	104.84%		
#27	AV-27	18.641	1-Feb-14	RB2025	11:50 AM	3.78			
#28	AV-28	23.870	4-Feb-14	RB2026	3:30 PM	2.02		0.6190	
#29	AV-29	23.865	4-Feb-14	RB2027	2:10 PM	1.85		0.4327	
#30	AV-30	16.371	3-Feb-14	RB2028	2:36 PM	4.52		1.0437	
#31	AV-31	26.951	4-Feb-14	RB2031	3:20 PM	2.21		0.7500	
#32	AV-32	23.779	4-Feb-14	RB2032	3:00 PM	1.58		0.8102	
#33	AV-33	24.228	3-Feb-14	RB2034	2:50 PM	1.20		0.0688	
#34	AV-34	26.294	3-Feb-14	RB2034 DUP	2:50 PM	1.31	104.38%		

#35	AV-35	25.644	3-Feb-14	RB2037	1:15 PM	1.61		
#36	AV-36	24.546	4-Feb-14	RB2038	2:40 PM	1.62		
#37	AV-37	26.873	4-Feb-14	RB2039	2:50 PM	1.81		
#38	AV-38	22.881	3-Feb-14	RB2040	3:00 PM	1.75		
#39	AV-39	23.835	4-Feb-14	RB2041	1:45 PM	2.02		
#40	AV-40	22.289	4-Feb-14	RB2043	4:15 PM	1.80		
#41	AV-41	23.664	4-Feb-14	RB2044	3:40 PM	1.78		
#42	AV-42	22.560	4-Feb-14	RB2045	4:30 PM	1.94		0.5808
#43	AV-43	21.394	4-Feb-14	RB2045 DUP	4:30 PM	1.74	94.57%	
#44	AV-44	9.459	1-Feb-14	RB2046	2:45 PM	13.28		2.2045
#45	AV-45	8.904	2-Feb-14	RB2047	2:06 PM	11.73		1.9318
#46	AV-46	21.884	3-Feb-14	RB-AV001	12:50 PM	1.56		0.6510
#47	AV-47	21.509	3-Feb-14	RB-AV002	2:05 PM	3.54		0.9069
#48	AV-48	16.509	3-Feb-14	RB-AV003	2:25 PM	4.74		1.2105
#49	AV-49	21.574	4-Feb-14	RB-AV004	3:10 PM	1.45		
#50	AV-50	23.782	4-Feb-14	RB-AV005	4:00 PM	1.60		
#51	AV-51	23.962	4-Feb-14	RB-AV006	4:40 PM	1.75		

<b>MDL, ug/mg</b>	<b>0.5</b>	<b>0.5</b>
-------------------	------------	------------

All results are presented in ug of Total Organic Carbon per mg of dry weight of sediment.



**Client: Christopher Martin**  
**Fisheries Biologist & Environmental Consultant**  
**Infrastructure and Environment**  
**BC Business Unit, WorleyParsons Canada**  
 Tel: +1 778 945 5379 | Fax: +1 604 298 1625  
 #600-4321 | Still Creek Drive | Burnaby, British Columbia V5C 6S7 | Canada  
[Christopher.Martin@worleyparsons.com](mailto:Christopher.Martin@worleyparsons.com) <mailto:Christopher.Martin@worleyparsons.com>  
[www.worleyparsons.com](http://www.worleyparsons.com) <http://www.worleyparsons.com/>

**Mary Lou Lauria, Ph.D**  
**EA Lead Canada, Managing Consultant Environmental Management**  
**BC Business Unit**  
**Infrastructure & Environment Operations, WorleyParsons Canada**  
 Tel: +1 604 298 1616 | Mob: +1 778 986 6116 | Fax: +1 604 298 1625 | Direct: +1 778 945 5340  
 Suite 600 | 4321 Still Creek Drive | Burnaby, BC V5C 6S7 | Canada  
[marylou.lauria@worleyparsons.com](mailto:marylou.lauria@worleyparsons.com) <mailto:jason.tielker@worleyparsons.com>

No.	lab.Name	Date Processed	Sample ID	sampling Date	Time	Total Dry Weight (g)	Total Organic ug/mg	Method Duplicate TOC Reproduc. %
#1	AV-1 AV-1dup	Feb-14	RB2001	3-Feb-14	3:36 PM	21.262	4.78 4.81	<b>100.31%</b>
#12	AV-2 AV-2dup	Feb-14	RB2002	3-Feb-14	3:50 PM	20.007	6.65 5.87	<b>93.77%</b>
#44	AV-25 AV-25dup	Feb-14	RB2024	1-Feb-14	12:15 PM	21.762	2.75 2.86	<b>101.96%</b>
#33							2.37 2.18	<b>95.82%</b>

<b>MDL, ug/mg</b>	<b>0.5</b>
-------------------	------------

**CALCHK -** for TOC determination we used Low Organic Soil Standard from Elemental Microanalysis Ltd., (UK) with TOC content at 16.0ug/mg



**Client: Christopher Martin**  
**Fisheries Biologist & Environmental Consultant**  
**Infrastructure and Environment**  
**BC Business Unit, WorleyParsons Canada**  
 Tel: +1 778 945 5379 | Fax: +1 604 298 1625  
 #600-4321 | Still Creek Drive | Burnaby, British Columbia V5C 6S7 | Canada  
[Christopher.Martin@worleyparsons.com](mailto:Christopher.Martin@worleyparsons.com) <mailto:Christopher.Martin@worleyparsons.com>  
[www.worleyparsons.com](http://www.worleyparsons.com) <<http://www.worleyparsons.com/>>

**Mary Lou Lauria, Ph.D**  
**EA Lead Canada, Managing Consultant Environmental Management**  
**BC Business Unit**  
**Infrastructure & Environment Operations, WorleyParsons Canada**  
 Tel: +1 604 298 1616 | Mob: +1 778 986 6116 | Fax: +1 604 298 1625 | Direct: +1 778 945 5340  
 Suite 600 | 4321 Still Creek Drive | Burnaby, BC V5C 6S7 | Canada  
[marylou.lauria@worleyparsons.com](mailto:marylou.lauria@worleyparsons.com) <mailto:jason.tielker@worleyparsons.com>

No.	lab. Name	Sample Total Dry Weight gr	Date Collected	Sample ID	Time	Total Organic C ug/mg	Field Duplicate TOC Reproduc. %
#1	AV-1	21.262	3-Feb-14	RB2001	3:36 PM	4.78	
#2	AV-2	20.007	3-Feb-14	RB2002	3:50 PM	6.65	
#3	AV-3	19.016	3-Feb-14	RB2003	4:00 PM	5.97	
#4	AV-4	14.725	3-Feb-14	RB2004	4:20 PM	6.96	
#5	AV-5	14.640	2-Feb-14	RB2005	11:20 AM	6.66	
#6	AV-6	13.555	2-Feb-14	RB2005 DUP	11:20 AM	7.30	104.58%
#7	AV-7	14.008	1-Feb-14	RB2006	3:05 PM	12.87	
#8	AV-8	13.477	1-Feb-14	RB2007	2:30 PM	10.67	
#9	AV-9	20.018	1-Feb-14	RB2008	1:56 PM	6.20	
#10	AV-10	20.796	2-Feb-14	RB2009	11:45 AM	5.16	
#11	AV-11	15.511	1-Feb-14	RB2010	1:00 PM	10.38	
#12	AV-12	16.627	1-Feb-14	RB2011	1:12 PM	4.90	
#13	AV-13	17.530	1-Feb-14	RB2012	1:25 PM	5.91	
#14	AV-14	15.763	1-Feb-14	RB2013	1:35 PM	7.28	
#15	AV-15	14.823	2-Feb-14	RB2014	12:40 PM	7.46	
#16	AV-16	16.180	2-Feb-14	RB2015	12:30 PM	7.89	
#17	AV-17	20.445	2-Feb-14	RB2016	1:25 PM	4.35	
#18	AV-18	21.583	2-Feb-14	RB2017	12:16 PM	4.27	
#19	AV-19	20.371	2-Feb-14	RB2018	12:05 PM	3.62	
#20	AV-20	25.657	3-Feb-14	RB2019	3:20 PM	1.79	
#21	AV-21	16.021	2-Feb-14	RB2020	12:50 PM	7.03	
#22	AV-22	16.896	1-Feb-14	RB2021	11:10 AM	4.88	
#23	AV-23	19.022	1-Feb-14	RB2022	10:50 AM	3.76	
#24	AV-24	19.320	1-Feb-14	RB2023	11:30 AM	3.02	
#25	AV-25	21.762	1-Feb-14	RB2024	12:15 PM	2.75	
#26	AV-26	18.693	1-Feb-14	RB2024 DUP	12:50 PM	3.03	104.84%
#27	AV-27	18.641	1-Feb-14	RB2025	11:50 AM	3.78	
#28	AV-28	23.870	4-Feb-14	RB2026	3:30 PM	2.02	
#29	AV-29	23.865	4-Feb-14	RB2027	2:10 PM	1.85	
#30	AV-30	16.371	3-Feb-14	RB2028	2:36 PM	4.52	
#31	AV-31	26.951	4-Feb-14	RB2031	3:20 PM	2.21	
#32	AV-32	23.779	4-Feb-14	RB2032	3:00 PM	1.58	
#33	AV-33	24.228	3-Feb-14	RB2034	2:50 PM	1.20	

#34	AV-34	26.294	3-Feb-14	RB2034 DUP	2:50 PM	1.31	<b>104.38%</b>
#35	AV-35	25.644	3-Feb-14	RB2037	1:15 PM	1.61	
#36	AV-36	24.546	4-Feb-14	RB2038	2:40 PM	1.62	
#37	AV-37	26.873	4-Feb-14	RB2039	2:50 PM	1.81	
#38	AV-38	22.881	3-Feb-14	RB2040	3:00 PM	1.75	
#39	AV-39	23.835	4-Feb-14	RB2041	1:45 PM	2.02	
#40	AV-40	22.289	4-Feb-14	RB2043	4:15 PM	1.80	
#41	AV-41	23.664	4-Feb-14	RB2044	3:40 PM	1.78	
#42	AV-42	22.560	4-Feb-14	RB2045	4:30 PM	1.94	
#43	AV-43	21.394	4-Feb-14	RB2045 DUP	4:30 PM	1.74	<b>94.57%</b>
#44	AV-44	9.459	1-Feb-14	RB2046	2:45 PM	13.28	
#45	AV-45	8.904	2-Feb-14	RB2047	2:06 PM	11.73	
#46	AV-46	21.884	3-Feb-14	RB-AV001	12:50 PM	1.56	
#47	AV-47	21.509	3-Feb-14	RB-AV002	2:05 PM	3.54	
#48	AV-48	16.509	3-Feb-14	RB-AV003	2:25 PM	4.74	
#49	AV-49	21.574	4-Feb-14	RB-AV004	3:10 PM	1.45	
#50	AV-50	23.782	4-Feb-14	RB-AV005	4:00 PM	1.60	
#51	AV-51	23.962	4-Feb-14	RB-AV006	4:40 PM	1.75	

<b>MDL, ug/mg</b>	<b>0.5</b>
-------------------	------------

All results are presented in ug of Total Organic Carbon per mg of dry weight of sediment.

This Page Left Intentionally Blank