

OBED MOUNTAIN MINE
TABLE 11 ATHABASCA RIVER DOWNSTREAM 150 KM TO 830 KM

		Location	ATR 1110HP	ATR 1110MP-A	ATR 1110MP-B	ATR 1110PP	ATR 1110TP	ATR 1112HP	ATR 1112MP	ATR 1112PP
		Date	10-Nov-13	10-Nov-13	10-Nov-13	10-Nov-13	10-Nov-13	12-Nov-13	12-Nov-13	12-Nov-13
Method Type	Chemical	Unit	MDL							
Aggregate Organics	Hydrocarbons, Recoverable (I.R.)	mg/L	1	<1	<1	<1	<1	<1	<1	<1
	BOD	mg/L	2	2	2.1	<2	2	2.3	<2	<2
	Phenols (4AAP)	µg/L	1	3.5	2.2	<1	2.5	2.5	2.2	1.2
Anions and Nutrients	Alkalinity (T) as CaCO3	mg/L	2	147	172	166	148	180	160	175
	Ammonia	mg/L	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
	Bicarbonate	mg/L	5	179	210	203	181	220	195	214
	Carbonate	mg/L	5	<5	<5	<5	<5	<5	<5	<5
	Chloride	mg/L	0.5	2.27	2.83	2.48	3.67	2.3	2.58	3.1
	Electrical Conductivity (lab)	dS/m	0.0002	0.356	0.433	0.399	0.355	0.445	0.374	0.444
	Hydroxide	mg/L	5	<5	<5	<5	<5	<5	<5	<5
	Ionic Balance	%		98.5	96.9	97.4	97.2	95.1	98	97.8
	Kjeldahl Nitrogen Total	mg/L	0.2	0.2	<0.2	0.32	<0.2	<0.2	0.28	<0.2
	Nitrate (as N)	mg/L	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
	Nitrate + Nitrite-N	mg/L	0.07	<0.071	<0.071	<0.071	<0.071	<0.071	<0.071	<0.071
	Nitrite (as N)	mg/L	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
	pH (Lab)	pH	0.1	8.09	8.14	8.11	8.11	8.16	8.11	8.08
	Phosphorus	mg/L	0.001	0.0192	0.0142	0.0568	0.0132	0.0107	0.0169	0.009
	Phosphorus (Filtered)	mg/L	0.001	0.0034	0.0016	0.0029	0.0032	0.0051	0.0024	<0.001
	Sulphate	mg/L	0.5	38	59.2	47.9	38	58.2	40.6	60.4
Sulphide	mg/L	0.002	<0.002	<0.002	<0.002	<0.002	0.002	<0.002	<0.002	
Hardness as CaCO3	mg/L		156	201	180	156	201	168	204	
TDS	mg/L		198	250	230	199	256	215	256	
Cyanides	Cyanide Total	mg/L	0.002	-	-	-	-	-	-	-
Dissolved Metals	Aluminium (Filtered)	mg/L	0.001	0.0044	0.0074	0.0191	0.0061	0.0058	0.0647	0.0048
	Antimony (Filtered)	mg/L	0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
	Arsenic (Filtered)	mg/L	0.0001	0.00055	0.00026	0.00051	0.00055	0.00026	0.00059	0.0003
	Barium (Filtered)	mg/L	0.00005	0.0757	0.0911	0.09	0.075	0.0901	0.0847	0.0916
	Beryllium (Filtered)	mg/L	0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
	Bismuth (Filtered)	mg/L	0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
	Boron (hot water ext) (Filtered)	mg/L	0.01	0.017	<0.01	0.017	0.012	0.017	0.02	0.013
	Cadmium (Filtered)	mg/L	0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	0.000015	<0.00001
	Calcium (Filtered)	mg/L	0.02	43.4	56.9	51.5	44.1	55.9	46.8	56.1
	Chromium (III+VI) (Filtered)	mg/L	0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
	Cobalt (Filtered)	mg/L	0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
	Copper (Filtered)	mg/L	0.0001	0.00054	0.00023	0.00054	0.0005	0.00024	0.00068	0.00031
	Iron (Filtered)	mg/L	0.01	0.031	<0.01	<0.01	0.057	0.017	0.04	<0.01
	Lead (Filtered)	mg/L	0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
	Lithium (Filtered)	mg/L	0.003	0.0079	0.0051	0.0076	0.0076	0.0044	0.0078	0.0048
	Magnesium (Filtered)	mg/L	0.005	11.5	14.2	12.4	11.2	14.9	12.3	15.6
	Manganese (Filtered)	mg/L	0.00005	0.00351	0.0201	0.0102	0.00393	0.00914	0.00176	0.0289
	Molybdenum (Filtered)	mg/L	0.00005	0.000932	0.00113	0.00127	0.000909	0.0011	0.00101	0.00112
	Nickel (Filtered)	mg/L	0.0001	0.00089	0.00042	0.00074	0.00081	0.00037	0.00098	0.00045
	Phosphorus (Filtered)	mg/L	0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
	Potassium (Filtered)	mg/L	0.05	1.72	0.91	1.43	1.65	1	1.85	0.97
	Selenium (Filtered)	mg/L	0.0001	0.00022	0.00031	0.00029	0.00021	0.00036	0.00018	0.00029
	Silicon (Filtered)	µg/L	50	2060	2550	2390	2100	2520	2410	2580
	Silver (Filtered)	mg/L	0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
	Sodium (Filtered)	mg/L	0.05	13.2	13.2	15	12.7	14.7	14.6	14.6
	Strontium (Filtered)	mg/L	0.0001	0.339	0.522	0.447	0.338	0.497	0.336	0.454
	Thallium (Filtered)	mg/L	0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
	Tin (Filtered)	mg/L	0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
	Titanium (Filtered)	mg/L	0.0003	<0.0003	<0.0003	0.00058	0.00039	<0.0003	0.00208	<0.0003
	Uranium (Filtered)	µg/L	0.01	0.542	0.72	0.955	0.527	0.704	0.657	0.763
	Vanadium (Filtered)	mg/L	0.0001	0.00016	0.00017	0.00024	0.00017	0.00014	0.00025	0.0002
	Zinc (Filtered)	mg/L	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
	Organic / Inorganic Carbon	Carbon	mg/L	1	4.6	2.3	6.6	4.6	2.8	7.6
Dissolved Organic Carbon (Filtered)		mg/L	1	4.3	2.1	3.2	4.3	1.4	7.2	
Organic Parameters	Acrylamide	µg/L	5	<5	<5	<5	<5	-	-	
	Naphthenic Acid	mg/L	1	<1	<1	<1	<1	<1	<1	
Physical Tests	TDS (Filtered)	mg/L	10	221	260	287	217	247	270	
	Total Suspended Solids	mg/L	3	22	22	120	7	6	22	

Notes

MDL - Method Detection Limit

- "Sample not analyzed for this parameter"

< - "result is less than the MDL. No detectable concentration was measured"

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TABLE 11 ATHABASCA RIVER DOWNSTREAM 150 KM TO 830 KM

		Location	ATR 1110HP	ATR 1110MP-A	ATR 1110MP-B	ATR 1110PP	ATR 1110TP	ATR 1112HP	ATR 1112MP	ATR 1112PP	
		Date	10-Nov-13	10-Nov-13	10-Nov-13	10-Nov-13	10-Nov-13	12-Nov-13	12-Nov-13	12-Nov-13	
Method Type	Chemical	Unit	MDL								
	Turbidity	NTU	0.1	18.5	19.7	131	6.58	5.18	25.5	13.3	12.8
Polycyclic Aromatic Hydrocarbons	Benzo[<i>b</i>]fluoranthene	mg/L	0.00001	<0.00001	<0.00001	<0.00001 - 0.000013	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
	C4 Benzantracenes/Chrysenes	ug/L	0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
	C4 Dibenzothiophenes	ug/L	0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
	C4 Fluoranthenes/Pyrenes	ug/L	0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
	C4 Naphthalenes	ug/L	0.04	<0.04	<0.04	0.048 - 0.049	<0.04	<0.04	<0.04	<0.04	<0.04
	C4 Phenanthrenes/Anthracenes	ug/L	0.04	<0.04 - 0.054	<0.04 - 0.051	0.24 - 0.482	<0.04	<0.04	0.052	<0.04	<0.04
	1,1-Biphenyl	ug/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	1-Methylnaphthalene	ug/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	2-methylnaphthalene	ug/L	0.01	<0.01	<0.01	0.011 - 0.012	<0.01	<0.01	<0.01	<0.01	<0.01
	Acenaphthene	ug/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Acenaphthylene	ug/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Anthracene	ug/L	0.01	<0.01	<0.04	<0.04	<0.04	<0.04	<0.04	<0.01	<0.04
	Benz(a)anthracene	ug/L	0.01	<0.01	<0.01	<0.01 - 0.023	<0.01	<0.01	<0.01	<0.01	<0.01
	Benzo(a) pyrene	ug/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Acridine	mg/L	0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
	Benzo(e)pyrene	ug/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Benzo(g,h,i)perylene	ug/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Benzo(k)fluoranthene	ug/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	C1 Acenaphthenes	ug/L	0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
	C1 Benz(a)Anthracenes/Chrysenes	ug/L	0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
	C1 Benzofluoranthenes/Benzopyrenes	ug/L	0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
	Chrysene	ug/L	0.01	<0.01	<0.01	<0.01 - 0.015	<0.01	<0.01	<0.01	<0.01	<0.01
	C1 Biphenyls	ug/L	0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
	C1 Dibenzothiophenes	ug/L	0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
	C1 Fluorenes	ug/L	0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
	Dibenz(a,h)anthracene	ug/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Dibenzothiophene	ug/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Fluoranthene	ug/L	0.01	<0.01	<0.01	0.013 - 0.017	<0.01	<0.01	<0.01	<0.01	<0.01
	Fluorene	ug/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Indeno(1,2,3-c,d)pyrene	ug/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Naphthalene	ug/L	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
	Perylene	ug/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Phenanthrene	ug/L	0.01	<0.01 - 0.01	<0.01 - 0.011	0.013 - 0.018	<0.01 - 0.012	<0.01	<0.01	<0.01	<0.01
	Pyrene	ug/L	0.01	<0.01	<0.04	<0.04	<0.04	<0.04	<0.04	<0.01	<0.04
	Quinoline	ug/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Retene	ug/L	0.01	0.031 - 0.054	0.027 - 0.051	0.24 - 0.482	<0.01	<0.01	0.052	0.037	0.035
	C2 Benz(a)Anthracenes/Chrysenes	ug/L	0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
	C2 Benzofluoranthenes/Benzopyrenes	ug/L	0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
	C2 Biphenyls	ug/L	0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
	C2 Dibenzothiophenes	ug/L	0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
	C2 Fluoranthenes/Pyrenes	ug/L	0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
	C2 Naphthalenes	ug/L	0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
	C2 Phenanthrenes/Anthracenes	ug/L	0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
	C2 Fluorenes	ug/L	0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
	C3 Benzantracenes/Chrysenes	ug/L	0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
C3 Dibenzothiophenes	ug/L	0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	
C3 Fluoranthenes/Pyrenes	ug/L	0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	
C3 Fluorenes	ug/L	0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	
C3 Naphthalenes	ug/L	0.04	<0.04	<0.04	0.047 - 0.05	<0.04	<0.04	<0.04	<0.04	<0.04	
C3 Phenanthrenes/Anthracenes	ug/L	0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	
Total Metals	Aluminium	mg/L	0.003	0.327	0.384	3.74	0.117	0.182	0.861	0.317	0.404
	Antimony	mg/L	0.0001	<0.0001	<0.0001	0.00011	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
	Arsenic	mg/L	0.0001	0.00073	0.00045	0.00142	0.00067	0.0003	0.00092	0.00486	0.00073
	Barium	mg/L	0.00005	0.092	0.102	0.204	0.0753	0.0906	0.118	0.0951	
	Beryllium	mg/L	0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
	Bismuth	mg/L	0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
	Boron (hot water ext)	mg/L	0.01	0.016	<0.01	0.017	0.015	0.013	0.017	0.01	0.017
	Cadmium	mg/L	0.00001	0.00002	<0.00001	0.000045	0.000018	<0.00001	0.000023	0.000012	0.000019
	Calcium	mg/L	0.02	40.6	52.9	47.4	40.9	56.4	46.4	60	46.3
	Chromium (III+VI)	mg/L	0.0001	0.00038	0.00037	0.00215	0.00027	0.00021	0.00072	0.00028	0.00038

Notes

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- "Sample not analyzed for this parameter"

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		Location	ATR 1110HP	ATR 1110MP-A	ATR 1110MP-B	ATR 1110PP	ATR 1110TP	ATR 1112HP	ATR 1112MP	ATR 1112PP	
		Date	10-Nov-13	10-Nov-13	10-Nov-13	10-Nov-13	10-Nov-13	12-Nov-13	12-Nov-13	12-Nov-13	
Method Type	Chemical	Unit	MDL								
	Cobalt	mg/L	0.0001	0.00017	0.00018	0.00071	0.00013	<0.0001	0.0003	0.0002	0.00019
	Copper	mg/L	0.0001	0.00204	0.00075	0.00391	0.00084	0.00044	0.0016	0.00071	0.0011
	Iron	mg/L	0.01	0.39	0.401	2.16	0.286	0.199	0.772	0.43	0.435
	Lead	mg/L	0.00005	0.000383	0.000393	0.00214	0.000146	0.000131	0.00059	0.000323	0.000319
	Lithium	mg/L	0.005	0.0067	<0.005	0.0075	0.0061	<0.005	0.0082	0.0053	0.0079
	Magnesium	mg/L	0.005	10.5	13.8	12	10.6	15.5	12.6	15.3	12.3
	Manganese	mg/L	0.00005	0.014	0.0287	0.0446	0.0124	0.0137	0.0157	0.04	0.0113
	Mercury	µg/L	0.0005	0.0017	0.0016	0.0086	<0.001	0.00083	0.00181	0.00114	0.00122
	Molybdenum	mg/L	0.00005	0.000896	0.00109	0.00109	0.000893	0.0012	0.00105	0.00131	0.00103
	Nickel	mg/L	0.0001	0.00132	0.00082	0.00274	0.00109	0.00049	0.00165	0.00079	0.00134
	Phosphorus	mg/L	0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
	Potassium	mg/L	0.05	1.67	0.903	1.73	1.61	1.02	1.89	0.902	1.78
	Selenium	mg/L	0.0001	0.0002	0.00031	0.00031	0.0002	0.00032	0.00024	0.00032	0.00021
	Silicon	µg/L	50	2640	3330	12,600	2220	2860	4070	3180	2970
	Silver	mg/L	0.00001	<0.00001	<0.00001	0.000028	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
	Sodium	mg/L	0.05	12.6	12.3	14.3	12.1	14.6	14.4	13.8	13.5
	Strontium	mg/L	0.0001	0.324	0.483	0.459	0.333	0.504	0.345	0.49	0.341
	Thallium	mg/L	0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
	Tin	mg/L	0.0001	0.00014	0.00014	0.00018	0.00011	<0.0001	<0.0001	<0.0001	<0.0001
	Titanium	mg/L	0.0003	0.00682	0.00937	0.0792	0.00335	0.00569	0.0163	0.00809	0.00874
	Uranium	µg/L	0.01	0.627	0.784	1.43	0.542	0.796	0.792	0.834	0.674
	Vanadium	mg/L	0.0001	0.0007	0.0008	0.00407	0.00052	0.00049	0.00149	0.00096	0.00093
	Zinc	mg/L	0.003	0.0077	0.005	0.011	0.004	<0.003	0.0039	<0.003	0.003
Volatile Organic Compounds	1,1,1-trichloroethane	µg/L	1	<1	<1	<1	<1	<1	<1	<1	<1
	1,1,2,2-tetrachloroethane	µg/L	20	<20	<20	<20	<20	<20	<20	<20	<20
	1,1,2-trichloroethane	µg/L	2	<2	<2	<2	<2	<2	<2	<2	<2
	1,1-dichloroethane	µg/L	1	<1	<1	<1	<1	<1	<1	<1	<1
	1,1-dichloroethene	µg/L	1	<1	<1	<1	<1	<1	<1	<1	<1
	1,2,3-trichloropropane	µg/L	5	<5	<5	<5	<5	<5	<5	<5	<5
	1,2-dibromoethane	µg/L	1	<1	<1	<1	<1	<1	<1	<1	<1
	1,2-dichlorobenzene	µg/L	1	<1	<1	<1	<1	<1	<1	<1	<1
	1,2-dichloroethane	µg/L	2	<2	<2	<2	<2	<2	<2	<2	<2
	1,2-dichloropropane	µg/L	2	<2	<2	<2	<2	<2	<2	<2	<2
	1,3-dichlorobenzene	µg/L	1	<1	<1	<1	<1	<1	<1	<1	<1
	1,4-dichlorobenzene	µg/L	1	<1	<1	<1	<1	<1	<1	<1	<1
	Methyl Ethyl Ketone	µg/L	100	<100	<100	<100	<100	<100	<100	<100	<100
	2-hexanone (MBK)	µg/L	10	<10	<10	<10	<10	<10	<10	<10	<10
	4-Methyl-2-pentanone	µg/L	10	<10	<10	<10	<10	<10	<10	<10	<10
	Acetone	mg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
	Acrolein	µg/L	100	<100	<100	<100	<100	<100	<100	<100	<100
	Acrylonitrile	µg/L	100	<100	<100	<100	<100	<100	<100	<100	<100
	Benzene	mg/L	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
	Toluene	mg/L	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
	Bromodichloromethane	µg/L	1	<1	<1	<1	<1	<1	<1	<1	<1
	Bromoform	µg/L	3	<3	<3	<3	<3	<3	<3	<3	<3
	Bromomethane	µg/L	10	<10	<10	<10	<10	<10	<10	<10	<10
	Carbon disulfide	µg/L	1	<1	<1	<1	<1	<1	<1	<1	<1
	Carbon tetrachloride	µg/L	1	<1	<1	<1	<1	<1	<1	<1	<1
	Chlorobenzene	µg/L	1	<1	<1	<1	<1	<1	<1	<1	<1
	Chlorodibromomethane	µg/L	3	<3	<3	<3	<3	<3	<3	<3	<3
	Chloroethane	µg/L	10	<10	<10	<10	<10	<10	<10	<10	<10
	Chloroform	µg/L	1	<1	<1	<1	<1	<1	<1	<1	<1
	Chloromethane	µg/L	10	<10	<10	<10	<10	<10	<10	<10	<10
	cis-1,2-dichloroethene	µg/L	1	<1	<1	<1	<1	<1	<1	<1	<1
	cis-1,3-dichloropropene	µg/L	1	<1	<1	<1	<1	<1	<1	<1	<1
	cis-1,4-Dichloro-2-butene	µg/L	10	<10	<10	<10	<10	<10	<10	<10	<10
	Dibromomethane	µg/L	3	<3	<3	<3	<3	<3	<3	<3	<3
	Dichlorodifluoromethane	µg/L	3	<3	<3	<3	<3	<3	<3	<3	<3
	Dichloromethane	µg/L	1	<1	<1	<1	<1	<1	<1	<1	<1
	Ethanol	µg/L	300	<300	<300	<300	<300	<300	<300	<300	<300
	Ethyl methacrylate	µg/L	10	<10	<10	<10	<10	<10	<10	<10	<10

Notes

MDL - Method Detection Limit

- "Sample not analyzed for this parameter"

< - "result is less than the MDL. No detectable concentration was measured"

OBED MOUNTAIN MINE
TABLE 11 ATHABASCA RIVER DOWNSTREAM 150 KM TO 830 KM

		Location	ATR 1110HP	ATR 1110MP-A	ATR 1110MP-B	ATR 1110PP	ATR 1110TP	ATR 1112HP	ATR 1112MP	ATR 1112PP
		Date	10-Nov-13	10-Nov-13	10-Nov-13	10-Nov-13	10-Nov-13	12-Nov-13	12-Nov-13	12-Nov-13
Method Type	Chemical	Unit	MDL							
	Ethylbenzene	mg/L	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
	Xylene (m & p)	mg/L	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
	Xylene (o)	mg/L	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
	Iodomethane	µg/L	1	<1	<1	<1	<1	<1	<1	<1
	Styrene	µg/L	1	<1	<1	<1	<1	<1	<1	<1
	Trichloroethene	µg/L	1	<1	<1	<1	<1	<1	<1	<1
	Tetrachloroethene	µg/L	1	<1	<1	<1	<1	<1	<1	<1
	trans-1,2-dichloroethene	µg/L	1	<1	<1	<1	<1	<1	<1	<1
	trans-1,3-dichloropropene	µg/L	1	<1	<1	<1	<1	<1	<1	<1
	trans-1,4-Dichloro-2-butene	µg/L	10	<10	<10	<10	<10	<10	<10	<10
	Trichlorofluoromethane	µg/L	1	<1	<1	<1	<1	<1	<1	<1
	Vinyl acetate	µg/L	100	<100	<100	<100	<100	<100	<100	<100
	Vinyl chloride	µg/L	2	<2	<2	<2	<2	<2	<2	<2

Notes
MDL - Method Detection Limit
- "Sample not analyzed for this parameter"
< - "result is less than the MDL. No detectable concentration was measured"

OBED MOUNTAIN MINE
TABLE 11 ATHABASCA RIVER DOWNSTREAM 150 KM TO 830 KM

		Location	ATR 1113MP-A	ATR 1113MP-B	ATR 1114HP	ATR 1114MP-A	ATR 1114MP-B	ATR 1114PP	ATR 1114TP	ATR 1115MP-A
		Date	13-Nov-13	13-Nov-13	14-Nov-13	14-Nov-13	14-Nov-13	14-Nov-13	14-Nov-13	15-Nov-13
Method Type	Chemical	Unit	MDL							
Aggregate Organics	Hydrocarbons, Recoverable (I.R.)	mg/L	1	<1	<1	<1	<1	<1	<1	<1
	BOD	mg/L	2	<2	<2	<2	<2	<2	<2	<2
	Phenols (4AAP)	µg/L	1	1.6 - 2.7	1.6	2.6	<1	2.3	2.6	2.3
Anions and Nutrients	Alkalinity (T) as CaCO3	mg/L	2	150 - 188	189	165	184	152	144	186
	Ammonia	mg/L	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
	Bicarbonate	mg/L	5	183 - 230	230	225	185	176	227	176 - 180
	Carbonate	mg/L	5	<5	<5	<5	<5	<5	<5	<5
	Chloride	mg/L	0.5	2.37 - 3.63	3.63	3.85	3.08	2.23	3.52	3.55
	Electrical Conductivity (lab)	dS/m	0.0002	0.359 - 0.466	0.464	0.402	0.45	0.361	0.363	0.468
	Hydroxide	mg/L	5	<5	<5	<5	<5	<5	<5	<5
	Ionic Balance	%		97.1 - 98	97.7	96	96.5	97.1	99	95.4
	Kjeldahl Nitrogen Total	mg/L	0.2	<0.2 - 0.38	<0.2	0.23	<0.2	0.28	0.21	<0.2
	Nitrate (as N)	mg/L	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
	Nitrate + Nitrite-N	mg/L	0.07	<0.071	<0.071	<0.071	<0.071	<0.071	<0.071	<0.071
	Nitrite (as N)	mg/L	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
	pH (Lab)	pH	0.1	8.05 - 8.21	8.19	8.04	8.09	8.02	7.96	8.18
	Phosphorus	mg/L	0.001	0.0209 - 0.031	0.0214	0.0228	0.0129	0.0222	0.0207	0.0118
	Phosphorus (Filtered)	mg/L	0.001	0.0032 - 0.0056	0.0033	0.0108	0.0027	0.0114	0.0033	0.0157 - 0.0159
	Sulphate	mg/L	0.5	37 - 60.1	60	45.3	55.9	36	40	63.3
Sulphide	mg/L	0.002	<0.002 - 0.006	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	
Hardness as CaCO3	mg/L		150 - 219	219	170	204	151	154	212	
TDS	mg/L		200 - 269	269	227	257	200	201	268	
Cyanides	Cyanide Total	mg/L	0.002	-	-	<0.005	<0.005	<0.005	<0.005	<0.005
Dissolved Metals	Aluminium (Filtered)	mg/L	0.001	0.0044 - 0.0139	0.0038	0.0062	0.004	0.0612	0.0059	0.0043
	Antimony (Filtered)	mg/L	0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.0001	<0.0001	<0.0001
	Arsenic (Filtered)	mg/L	0.0001	0.00118 - 0.00168	0.00122	0.00063	0.00041	0.0042	0.00055	0.00038
	Barium (Filtered)	mg/L	0.00005	0.0829 - 0.0938	0.0941	0.0776	0.0904	0.0803	0.0694	0.0897
	Beryllium (Filtered)	mg/L	0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
	Bismuth (Filtered)	mg/L	0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
	Boron (hot water ext) (Filtered)	mg/L	0.01	0.012 - 0.019	0.012	0.021	0.019	0.013	0.018	0.018 - 0.019
	Cadmium (Filtered)	mg/L	0.00001	<0.00001 - 0.000017	<0.00001	0.000012	<0.00001	0.000015	<0.00001	<0.00001
	Calcium (Filtered)	mg/L	0.02	43.4 - 61.5	60.8	46.6	55.7	41.7	42.3	57.3
	Chromium (III+VI) (Filtered)	mg/L	0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.00011	<0.0001	<0.0001
	Cobalt (Filtered)	mg/L	0.0001	<0.0001 - 0.0001	<0.0001	<0.0001	<0.0001	0.0001	<0.0001	<0.0001
	Copper (Filtered)	mg/L	0.0001	0.00029 - 0.00076	0.0004	0.00058	0.00038	0.0007	0.00052	0.0003
	Iron (Filtered)	mg/L	0.01	0.017 - 0.025	0.017	0.036	<0.01	0.037	0.038	0.017
	Lead (Filtered)	mg/L	0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
	Lithium (Filtered)	mg/L	0.003	0.0055 - 0.0092	0.0056	0.0083	0.0055	0.0082	0.0072	0.0049
	Magnesium (Filtered)	mg/L	0.005	10.2 - 15.9	16.2	13	15.8	11.3	11.7	16.7
	Manganese (Filtered)	mg/L	0.00005	0.00598 - 0.02	0.0195	0.00501	0.0203	0.00727	0.00224	0.0152
	Molybdenum (Filtered)	mg/L	0.00005	0.00113 - 0.00121	0.00119	0.000892	0.00113	0.00103	0.000792	0.00111
	Nickel (Filtered)	mg/L	0.0001	0.00045 - 0.00113	0.00043	0.00097	0.00061	0.00109	0.00085	0.00047
	Phosphorus (Filtered)	mg/L	0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
	Potassium (Filtered)	mg/L	0.05	0.93 - 1.84	0.93	2.29	1.1	1.99	2.04	1.01
	Selenium (Filtered)	mg/L	0.0001	0.00021 - 0.00031	0.00031	0.00018	0.00027	0.00019	0.00018	0.0003
	Silicon (Filtered)	µg/L	50	2320 - 2580	2660	2360	2560	2490	2040	2650
	Silver (Filtered)	mg/L	0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
	Sodium (Filtered)	mg/L	0.05	14.2 - 15.5	14.1	16.9	15.1	15.4	15	14.8
	Strontium (Filtered)	mg/L	0.0001	0.318 - 0.471	0.469	0.325	0.44	0.322	0.299	0.482
	Thallium (Filtered)	mg/L	0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
	Tin (Filtered)	mg/L	0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
	Titanium (Filtered)	mg/L	0.0003	<0.0003 - 0.00052	<0.0003	0.00038	<0.0003	0.00115	<0.0003	<0.0003
	Uranium (Filtered)	µg/L	0.01	0.709 - 0.78	0.799	0.578	0.77	0.684	0.518	0.802
	Vanadium (Filtered)	mg/L	0.0001	0.00023	0.00023	0.0002	0.00021	0.00025	0.00019	0.00019
	Zinc (Filtered)	mg/L	0.001	<0.001	<0.001	<0.001	0.0017	0.0018	<0.001	0.0015 - 0.0021
	Organic / Inorganic Carbon	Carbon	mg/L	1	3.5 - 9	3.6	7.3	4.1	8.1	7.1
		Dissolved Organic Carbon (Filtered)	mg/L	1	3.7 - 7.8	3.8	7.8	3.8	7.2	7.3
Organic Parameters	Acrylamide	µg/L	5	-	-	-	-	-	-	
	Naphthenic Acid	mg/L	1	<1	<1	<1	<1	<1	<1	
Physical Tests	TDS (Filtered)	mg/L	10	243 - 276	272	259	276	233	221	
	Total Suspended Solids	mg/L	3	20 - 29	22	<3	7	12	<3	

Notes
MDL - Method Detection Limit
- "Sample not analyzed for this parameter"
< - "result is less than the MDL. No detectable concentration was measured"

OBED MOUNTAIN MINE
TABLE 11 ATHABASCA RIVER DOWNSTREAM 150 KM TO 830 KM

			Location	ATR 1113MP-A	ATR 1113MP-B	ATR 1114HP	ATR 1114MP-A	ATR 1114MP-B	ATR 1114PP	ATR 1114TP	ATR 1115MP-A
			Date	13-Nov-13	13-Nov-13	14-Nov-13	14-Nov-13	14-Nov-13	14-Nov-13	14-Nov-13	15-Nov-13
Method Type	Chemical	Unit	MDL								
	Turbidity	NTU	0.1	11.5 - 40.7	12.9	5.73	12.7	23.8	4.96	6.8	29.6 - 30.8
Polycyclic Aromatic Hydrocarbons	Benzo[<i>b</i>]fluoranthene	mg/L	0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
	C4 Benzantracenes/Chrysenes	ug/L	0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
	C4 Dibenzothiophenes	ug/L	0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
	C4 Fluoranthenes/Pyrenes	ug/L	0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
	C4 Naphthalenes	ug/L	0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
	C4 Phenanthrenes/Anthracenes	ug/L	0.04	<0.04 - 0.1	<0.04	<0.04	<0.04	0.053	<0.04	<0.04	0.066 - 0.067
	1,1-Biphenyl	ug/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	1-Methylnaphthalene	ug/L	0.01	<0.01 - 0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	2-methylnaphthalene	ug/L	0.01	<0.01 - 0.02	0.014	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Acenaphthene	ug/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Acenaphthylene	ug/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Anthracene	ug/L	0.01	<0.04	<0.04	<0.04	<0.04	<0.01	<0.04	<0.04	<0.04
	Benz(a)anthracene	ug/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Benzo(a) pyrene	ug/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Acridine	mg/L	0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
	Benzo(e)pyrene	ug/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Benzo(g,h,i)perylene	ug/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Benzo(k)fluoranthene	ug/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	C1 Acenaphthenes	ug/L	0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
	C1 Benz(a)Anthracenes/Chrysenes	ug/L	0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
	C1 Benzofluoranthenes/Benzopyrenes	ug/L	0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
	Chrysene	ug/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	C1 Biphenyls	ug/L	0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
	C1 Dibenzothiophenes	ug/L	0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
	C1 Fluorenes	ug/L	0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
	Dibenz(a,h)anthracene	ug/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Dibenzothiophene	ug/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Fluoranthene	ug/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Fluorene	ug/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Indeno(1,2,3-c,d)pyrene	ug/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Naphthalene	ug/L	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
	Perylene	ug/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Phenanthrene	ug/L	0.01	<0.01 - 0.017	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Pyrene	ug/L	0.01	<0.04	<0.04	<0.04	<0.04	<0.01	<0.04	<0.04	<0.04
	Quinoline	ug/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Retene	ug/L	0.01	0.014 - 0.1	0.015	<0.01	0.025	0.053	<0.01	0.011	0.066 - 0.067
	C2 Benz(a)Anthracenes/Chrysenes	ug/L	0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
	C2 Benzofluoranthenes/Benzopyrenes	ug/L	0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
	C2 Biphenyls	ug/L	0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
	C2 Dibenzothiophenes	ug/L	0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
	C2 Fluoranthenes/Pyrenes	ug/L	0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
	C2 Naphthalenes	ug/L	0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
	C2 Phenanthrenes/Anthracenes	ug/L	0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
	C2 Fluorenes	ug/L	0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
	C3 Benzantracenes/Chrysenes	ug/L	0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
	C3 Dibenzothiophenes	ug/L	0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
	C3 Fluoranthenes/Pyrenes	ug/L	0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
	C3 Fluorenes	ug/L	0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
	C3 Naphthalenes	ug/L	0.04	<0.04 - 0.049	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
	C3 Phenanthrenes/Anthracenes	ug/L	0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
Total Metals	Aluminium	mg/L	0.003	0.296 - 0.917	0.446	0.0937	0.215	0.402	0.0924	0.151	0.39 - 0.485
	Antimony	mg/L	0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.0001	<0.0001	<0.0001	<0.0001
	Arsenic	mg/L	0.0001	0.00421 - 0.00425	0.00421	0.00144	0.00103	0.00095	0.00138	0.00089	0.00087 - 0.0009
	Barium	mg/L	0.00005	0.104 - 0.124	0.109	0.0857	0.113	0.118	0.0839	0.0992	0.109 - 0.113
	Beryllium	mg/L	0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
	Bismuth	mg/L	0.00005	<0.00005	<0.00005	<0.00005	0.000051	<0.00005	<0.00005	<0.00005	<0.00005
	Boron (hot water ext)	mg/L	0.01	0.011 - 0.018	0.012	0.02	0.012	0.018	0.018	0.013	0.018
	Cadmium	mg/L	0.00001	0.000013 - 0.000038	0.000012	0.000018	0.000016	0.000025	0.000014	0.000011	0.000034 - 0.000035
	Calcium	mg/L	0.02	42.7 - 59.9	61.9	47.8	55.2	45.4	46.2	58.9	44.1 - 44.4
	Chromium (III+VI)	mg/L	0.0001	0.00051 - 0.00077	0.00044	0.0002	0.00037	0.00052	0.0002	0.00022	0.00054 - 0.00065

Notes
MDL - Method Detection Limit
- "Sample not analyzed for this parameter"
< - "result is less than the MDL. No detectable concentration was measured"

OBED MOUNTAIN MINE
TABLE 11 ATHABASCA RIVER DOWNSTREAM 150 KM TO 830 KM

		Location	ATR 1113MP-A	ATR 1113MP-B	ATR 1114HP	ATR 1114MP-A	ATR 1114MP-B	ATR 1114PP	ATR 1114TP	ATR 1115MP-A	
		Date	13-Nov-13	13-Nov-13	14-Nov-13	14-Nov-13	14-Nov-13	14-Nov-13	14-Nov-13	15-Nov-13	
Method Type	Chemical	Unit	MDL								
	Cobalt	mg/L	0.0001	0.00026 - 0.00033	0.00025	0.00015	0.00019	0.00027	0.00013	0.00015	0.00027 - 0.00029
	Copper	mg/L	0.0001	0.00112 - 0.00184	0.00084	0.00081	0.00093	0.00185	0.00087	0.00052	0.00148 - 0.00166
	Iron	mg/L	0.01	0.535 - 0.791	0.573	0.266	0.371	0.537	0.255	0.302	0.528 - 0.591
	Lead	mg/L	0.00005	0.000435 - 0.000825	0.000359	0.000138	0.000393	0.000529	0.00012	0.000191	0.00062 - 0.000625
	Lithium	mg/L	0.005	0.0052 - 0.009	0.0053	0.0071	<0.005	0.0077	0.0066	<0.005	0.0086 - 0.0087
	Magnesium	mg/L	0.005	10.1 - 15.2	15.8	12.3	14.2	10.8	12.6	15.6	10.3 - 10.4
	Manganese	mg/L	0.00005	0.0219 - 0.0335	0.0353	0.0143	0.0291	0.0232	0.0088	0.0243	0.0184 - 0.0185
	Mercury	µg/L	0.0005	0.00131 - 0.00283	0.00132	0.00079	0.0014	0.0023	0.00098	<0.001	0.003 - 0.0031
	Molybdenum	mg/L	0.00005	0.00107 - 0.00126	0.00123	0.000943	0.0011	0.00102	0.00093	0.00115	0.00108 - 0.00115
	Nickel	mg/L	0.0001	0.00115 - 0.00199	0.00098	0.00121	0.00113	0.00185	0.00115	0.00066	0.00175 - 0.00183
	Phosphorus	mg/L	0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
	Potassium	mg/L	0.05	0.958 - 1.87	1.01	2.18	1.03	1.92	2.15	0.986	2.72 - 2.79
	Selenium	mg/L	0.0001	0.00023 - 0.0003	0.00031	0.0002	0.00024	0.0002	0.00017	0.00028	0.00021
	Silicon	µg/L	50	2820 - 3980	3170	2210	2510	2730	2150	2600	2980 - 3100
	Silver	mg/L	0.00001	<0.00001 - 0.000011	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
	Sodium	mg/L	0.05	13.8 - 14.9	14.6	17.2	14.8	15.2	17	15.5	18.9 - 19
	Strontium	mg/L	0.0001	0.313 - 0.457	0.481	0.348	0.468	0.358	0.337	0.526	0.336 - 0.341
	Thallium	mg/L	0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
	Tin	mg/L	0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
	Titanium	mg/L	0.0003	0.00648 - 0.021	0.0122	0.00197	0.00453	0.00897	0.00218	0.00335	0.008 - 0.00925
	Uranium	µg/L	0.01	0.814 - 0.901	0.838	0.544	0.745	0.718	0.521	0.73	0.858 - 0.86
	Vanadium	mg/L	0.0001	0.00098 - 0.00163	0.00115	0.00051	0.00066	0.00096	0.00057	0.00057	0.00089 - 0.00106
	Zinc	mg/L	0.003	0.0049 - 0.008	<0.003	0.0059	0.0116	0.0116	<0.003	<0.003	0.0065 - 0.007
Volatile Organic Compounds	1,1,1-trichloroethane	µg/L	1	<1	<1	<1	<1	<1	<1	<1	<1
	1,1,2,2-tetrachloroethane	µg/L	20	<20	<20	<20	<20	<20	<20	<20	<20
	1,1,2-trichloroethane	µg/L	2	<2	<2	<2	<2	<2	<2	<2	<2
	1,1-dichloroethane	µg/L	1	<1	<1	<1	<1	<1	<1	<1	<1
	1,1-dichloroethene	µg/L	1	<1	<1	<1	<1	<1	<1	<1	<1
	1,2,3-trichloropropane	µg/L	5	<5	<5	<5	<5	<5	<5	<5	<5
	1,2-dibromoethane	µg/L	1	<1	<1	<1	<1	<1	<1	<1	<1
	1,2-dichlorobenzene	µg/L	1	<1	<1	<1	<1	<1	<1	<1	<1
	1,2-dichloroethane	µg/L	2	<2	<2	<2	<2	<2	<2	<2	<2
	1,2-dichloropropane	µg/L	2	<2	<2	<2	<2	<2	<2	<2	<2
	1,3-dichlorobenzene	µg/L	1	<1	<1	<1	<1	<1	<1	<1	<1
	1,4-dichlorobenzene	µg/L	1	<1	<1	<1	<1	<1	<1	<1	<1
	Methyl Ethyl Ketone	µg/L	100	<100	<100	<100	<100	<100	<100	<100	<100
	2-hexanone (MBK)	µg/L	10	<10	<10	<10	<10	<10	<10	<10	<10
	4-Methyl-2-pentanone	µg/L	10	<10	<10	<10	<10	<10	<10	<10	<10
	Acetone	mg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
	Acrolein	µg/L	100	<100	<100	<100	<100	<100	<100	<100	<100
	Acrylonitrile	µg/L	100	<100	<100	<100	<100	<100	<100	<100	<100
	Benzene	mg/L	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
	Toluene	mg/L	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
	Bromodichloromethane	µg/L	1	<1	<1	<1	<1	<1	<1	<1	<1
	Bromoform	µg/L	3	<3	<3	<3	<3	<3	<3	<3	<3
	Bromomethane	µg/L	10	<10	<10	<10	<10	<10	<10	<10	<10
	Carbon disulfide	µg/L	1	<1	<1	<1	<1	<1	<1	<1	<1
	Carbon tetrachloride	µg/L	1	<1	<1	<1	<1	<1	<1	<1	<1
	Chlorobenzene	µg/L	1	<1	<1	<1	<1	<1	<1	<1	<1
	Chlorodibromomethane	µg/L	3	<3	<3	<3	<3	<3	<3	<3	<3
	Chloroethane	µg/L	10	<10	<10	<10	<10	<10	<10	<10	<10
	Chloroform	µg/L	1	<1	<1	<1	<1	<1	<1	<1	<1
	Chloromethane	µg/L	10	<10	<10	<10	<10	<10	<10	<10	<10
	cis-1,2-dichloroethene	µg/L	1	<1	<1	<1	<1	<1	<1	<1	<1
	cis-1,3-dichloropropene	µg/L	1	<1	<1	<1	<1	<1	<1	<1	<1
cis-1,4-Dichloro-2-butene	µg/L	10	<10	<10	<10	<10	<10	<10	<10	<10	
Dibromomethane	µg/L	3	<3	<3	<3	<3	<3	<3	<3	<3	
Dichlorodifluoromethane	µg/L	3	<3	<3	<3	<3	<3	<3	<3	<3	
Dichloromethane	µg/L	1	<1	<1	<1	<1	<1	<1	<1	<1	
Ethanol	µg/L	300	<300	<300	<300	<300	<300	<300	<300	<300	
Ethyl methacrylate	µg/L	10	<10	<10	<10	<10	<10	<10	<10	<10	

Notes

MDL - Method Detection Limit

- "Sample not analyzed for this parameter"

< - "result is less than the MDL. No detectable concentration was measured"

OBED MOUNTAIN MINE
TABLE 11 ATHABASCA RIVER DOWNSTREAM 150 KM TO 830 KM

		Location	ATR 1113MP-A	ATR 1113MP-B	ATR 1114HP	ATR 1114MP-A	ATR 1114MP-B	ATR 1114PP	ATR 1114TP	ATR 1115MP-A
		Date	13-Nov-13	13-Nov-13	14-Nov-13	14-Nov-13	14-Nov-13	14-Nov-13	14-Nov-13	15-Nov-13
Method Type	Chemical	Unit	MDL							
	Ethylbenzene	mg/L	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
	Xylene (m & p)	mg/L	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
	Xylene (o)	mg/L	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
	Iodomethane	µg/L	1	<1	<1	<1	<1	<1	<1	<1
	Styrene	µg/L	1	<1	<1	<1	<1	<1	<1	<1
	Trichloroethene	µg/L	1	<1	<1	<1	<1	<1	<1	<1
	Tetrachloroethene	µg/L	1	<1	<1	<1	<1	<1	<1	<1
	trans-1,2-dichloroethene	µg/L	1	<1	<1	<1	<1	<1	<1	<1
	trans-1,3-dichloropropene	µg/L	1	<1	<1	<1	<1	<1	<1	<1
	trans-1,4-Dichloro-2-butene	µg/L	10	<10	<10	<10	<10	<10	<10	<10
	Trichlorofluoromethane	µg/L	1	<1	<1	<1	<1	<1	<1	<1
	Vinyl acetate	µg/L	100	<100	<100	<100	<100	<100	<100	<100
	Vinyl chloride	µg/L	2	<2	<2	<2	<2	<2	<2	<2

Notes

MDL - Method Detection Limit

- "Sample not analyzed for this parameter"

< - "result is less than the MDL. No detectable concentration was measured"

OBED MOUNTAIN MINE
TABLE 11 ATHABASCA RIVER DOWNSTREAM 150 KM TO 830 KM

			Location	ATR 1115MP-B	ATR 1119MP	ATR 1120MP	ATR 1121MP	
			Date	15-Nov-13	19-Nov-13	20-Nov-13	21-Nov-13	
Method Type	Chemical	Unit	MDL					
Aggregate Organics	Hydrocarbons, Recoverable (I.R.)	mg/L	1	<1	<1	<1	<1	
	BOD	mg/L	2	<2	3.2	<2	<2	
	Phenols (4AAP)	µg/L	1	<1	2.7	<1	2.4	
Anions and Nutrients	Alkalinity (T) as CaCO3	mg/L	2	142	162	170	185	
	Ammonia	mg/L	0.05	<0.05	<0.05	<0.05	<0.05	
	Bicarbonate	mg/L	5	174	198	207	226	
	Carbonate	mg/L	5	<5	<5	<5	<5	
	Chloride	mg/L	0.5	2.3	4.26	4.35	4.42	
	Electrical Conductivity (lab)	dS/m	0.0002	0.356	0.416	0.42	0.454	
	Hydroxide	mg/L	5	<5	<5	<5	<5	
	Ionic Balance	%		102	94.5	94.6	99.7	
	Kjeldahl Nitrogen Total	mg/L	0.2	0.28	0.33	0.28	0.35	
	Nitrate (as N)	mg/L	0.05	<0.05	<0.05	<0.05	<0.05	
	Nitrate + Nitrite-N	mg/L	0.07	<0.071	<0.071	<0.071	<0.071	
	Nitrite (as N)	mg/L	0.05	<0.05	<0.05	<0.05	<0.05	
	pH (Lab)	pH	0.1	7.94	7.89	8.06	8.08	
	Phosphorus	mg/L	0.001	0.0167	0.0263	0.0287	0.0192	
	Phosphorus (Filtered)	mg/L	0.001	0.0043	0.0182	0.0106	0.009	
	Sulphate	mg/L	0.5	37	49.5	45.9	50.1	
	Sulphide	mg/L	0.002	0.0029	0.0024	0.0022	0.0068	
Hardness as CaCO3	mg/L		157	161	163	194		
TDS	mg/L		195	230	233	257		
Cyanides	Cyanide Total	mg/L	0.002	<0.005	<0.002	<0.002	<0.002	
Dissolved Metals	Aluminium (Filtered)	mg/L	0.001	0.0028	0.0259	0.0093	0.0112	
	Antimony (Filtered)	mg/L	0.0001	<0.0001	<0.0001	<0.0001	<0.0001	
	Arsenic (Filtered)	mg/L	0.0001	0.00062	0.00068	0.00072	0.00071	
	Barium (Filtered)	mg/L	0.00005	0.0793	0.0782	0.0805	0.0845	
	Beryllium (Filtered)	mg/L	0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
	Bismuth (Filtered)	mg/L	0.00005	<0.00005	<0.00005	<0.00005	<0.00005	
	Boron (hot water ext) (Filtered)	mg/L	0.01	0.017	-	0.032	0.035	
	Cadmium (Filtered)	mg/L	0.00001	0.000012	0.000015	0.000019	0.000013	
	Calcium (Filtered)	mg/L	0.02	44.8	44.5	44.8	54.3	
	Chromium (III+VI) (Filtered)	mg/L	0.0001	<0.0001	<0.0001	<0.0001	<0.0001	
	Cobalt (Filtered)	mg/L	0.0001	<0.0001	0.00036	0.0002	0.00019	
	Copper (Filtered)	mg/L	0.0001	0.00061	0.00053	0.00071	0.00077	
	Iron (Filtered)	mg/L	0.01	0.019	0.055	0.042	0.063	
	Lead (Filtered)	mg/L	0.00005	<0.00005	<0.00005	<0.00005	<0.00005	
	Lithium (Filtered)	mg/L	0.003	0.0081	0.0098	0.0098	0.0132	
	Magnesium (Filtered)	mg/L	0.005	10.9	12.2	12.4	14.3	
	Manganese (Filtered)	mg/L	0.00005	0.00558	0.0264	0.0183	0.00753	
	Molybdenum (Filtered)	mg/L	0.00005	0.000974	0.001	0.00103	0.00114	
	Nickel (Filtered)	mg/L	0.0001	0.00098	0.00223	0.00161	0.00164	
	Phosphorus (Filtered)	mg/L	0.3	<0.3	<0.3	<0.3	<0.3	
	Potassium (Filtered)	mg/L	0.05	1.83	2.33	2.47	2.53	
	Selenium (Filtered)	mg/L	0.0001	0.00021	0.00022	0.0002	0.00022	
	Silicon (Filtered)	µg/L	50	2290	2790	2830	2610	
	Silver (Filtered)	mg/L	0.00001	<0.00001	<0.00001	<0.00001	<0.00001	
	Sodium (Filtered)	mg/L	0.05	13.4	20	20.9	20.8	
	Strontium (Filtered)	mg/L	0.0001	0.348	0.321	0.323	0.394	
	Thallium (Filtered)	mg/L	0.00005	<0.00005	<0.00005	<0.00005	<0.00005	
	Tin (Filtered)	mg/L	0.0001	<0.0001	<0.0001	<0.0001	<0.0001	
	Titanium (Filtered)	mg/L	0.0003	<0.0003	0.00032	<0.0003	0.00038	
	Uranium (Filtered)	µg/L	0.01	0.595	0.682	0.718	0.677	
	Vanadium (Filtered)	mg/L	0.0001	0.0002	0.00019	0.00021	0.00021	
	Zinc (Filtered)	mg/L	0.001	<0.001	0.003	0.0021	<0.001	
	Organic / Inorganic Carbon	Carbon	mg/L	1	8.4	10.1	10.6	10.7
		Dissolved Organic Carbon (Filtered)	mg/L	1	8	10	10.4	11.1
	Organic Parameters	Acrylamide	µg/L	5	-	-	-	-
		Naphthenic Acid	mg/L	1	<1	<1	<1	<1
	Physical Tests	TDS (Filtered)	mg/L	10	219	265	262	287
Total Suspended Solids		mg/L	3	10	8	<3	<3	

Notes
MDL - Method Detection Limit
- "Sample not analyzed for this parameter"
< - "result is less than the MDL. No detectable concentration was measured"

OBED MOUNTAIN MINE
TABLE 11 ATHABASCA RIVER DOWNSTREAM 150 KM TO 830 KM

			Location	ATR 1115MP-B	ATR 1119MP	ATR 1120MP	ATR 1121MP
			Date	15-Nov-13	19-Nov-13	20-Nov-13	21-Nov-13
Method Type	Chemical	Unit	MDL				
	Turbidity	NTU	0.1	13.8	12.6	14.1	6.54
Polycyclic Aromatic Hydrocarbons	Benzo[<i>b</i> + <i>j</i>]fluoranthene	mg/L	0.00001	<0.00001	<0.00001	<0.00001	<0.00001
	C4 Benzantracenes/Chrysenes	ug/L	0.04	<0.04	<0.04	<0.04	<0.04
	C4 Dibenzothiophenes	ug/L	0.04	<0.04	<0.04	<0.04	<0.04
	C4 Fluoranthenes/Pyrenes	ug/L	0.04	<0.04	<0.04	<0.04	<0.04
	C4 Naphthalenes	ug/L	0.04	<0.04	<0.04	<0.04	<0.04
	C4 Phenanthrenes/Anthracenes	ug/L	0.04	<0.04	<0.04	<0.04	<0.04
	1,1-Biphenyl	ug/L	0.01	<0.01	<0.01	<0.01	<0.01
	1-Methylnaphthalene	ug/L	0.01	<0.01	<0.01	<0.01	<0.01
	2-methylnaphthalene	ug/L	0.01	<0.01	<0.01	<0.01	<0.01
	Acenaphthene	ug/L	0.01	<0.01	<0.01	<0.01	<0.01
	Acenaphthylene	ug/L	0.01	<0.01	<0.01	<0.01	<0.01
	Anthracene	ug/L	0.01	<0.04	<0.04	<0.01	<0.04
	Benz(a)anthracene	ug/L	0.01	<0.01	<0.01	<0.01	<0.01
	Benzo(a) pyrene	ug/L	0.01	<0.01	<0.01	<0.01	<0.01
	Acridine	mg/L	0.00001	<0.00001	<0.00001	<0.00001	<0.00001
	Benzo(e)pyrene	ug/L	0.01	<0.01	<0.01	<0.01	<0.01
	Benzo(g,h)perylene	ug/L	0.01	<0.01	<0.01	<0.01	<0.01
	Benzo(k)fluoranthene	ug/L	0.01	<0.01	<0.01	<0.01	<0.01
	C1 Acenaphthenes	ug/L	0.04	<0.04	<0.04	<0.04	<0.04
	C1 Benz(a)Anthracenes/Chrysenes	ug/L	0.04	<0.04	<0.04	<0.04	<0.04
	C1 Benzofluoranthenes/Benzopyrenes	ug/L	0.04	<0.04	<0.04	<0.04	<0.04
	Chrysene	ug/L	0.01	<0.01	<0.01	<0.01	<0.01
	C1 Biphenyls	ug/L	0.04	<0.04	<0.04	<0.04	<0.04
	C1 Dibenzothiophenes	ug/L	0.04	<0.04	<0.04	<0.04	<0.04
	C1 Fluorenes	ug/L	0.04	<0.04	<0.04	<0.04	<0.04
	Dibenz(a,h)anthracene	ug/L	0.01	<0.01	<0.01	<0.01	<0.01
	Dibenzothiophene	ug/L	0.01	<0.01	<0.01	<0.01	<0.01
	Fluoranthene	ug/L	0.01	<0.01	<0.01	<0.01	<0.01
	Fluorene	ug/L	0.01	<0.01	<0.01	<0.01	<0.01
	Indeno(1,2,3-c,d)pyrene	ug/L	0.01	<0.01	<0.01	<0.01	<0.01
	Naphthalene	ug/L	0.05	<0.05	<0.05	<0.05	<0.05
	Perylene	ug/L	0.01	<0.01	<0.01	<0.01	<0.01
	Phenanthrene	ug/L	0.01	<0.01	<0.01	<0.01	<0.01
	Pyrene	ug/L	0.01	<0.04	<0.04	<0.04	<0.04
	Quinoline	ug/L	0.01	<0.01	<0.01	<0.01	<0.01
	Retene	ug/L	0.01	0.032	0.021	0.023	0.01
	C2 Benz(a)Anthracenes/Chrysenes	ug/L	0.04	<0.04	<0.04	<0.04	<0.04
	C2 Benzofluoranthenes/Benzopyrenes	ug/L	0.04	<0.04	<0.04	<0.04	<0.04
	C2 Biphenyls	ug/L	0.04	<0.04	<0.04	<0.04	<0.04
	C2 Dibenzothiophenes	ug/L	0.04	<0.04	<0.04	<0.04	<0.04
	C2 Fluoranthenes/Pyrenes	ug/L	0.04	<0.04	<0.04	<0.04	<0.04
	C2 Naphthalenes	ug/L	0.04	<0.04	<0.04	<0.04	<0.04
	C2 Phenanthrenes/Anthracenes	ug/L	0.04	<0.04	<0.04	<0.04	<0.04
	C2 Fluorenes	ug/L	0.04	<0.04	<0.04	<0.04	<0.04
	C3 Benzantracenes/Chrysenes	ug/L	0.04	<0.04	<0.04	<0.04	<0.04
	C3 Dibenzothiophenes	ug/L	0.04	<0.04	<0.04	<0.04	<0.04
	C3 Fluoranthenes/Pyrenes	ug/L	0.04	<0.04	<0.04	<0.04	<0.04
	C3 Fluorenes	ug/L	0.04	<0.04	<0.04	<0.04	<0.04
	C3 Naphthalenes	ug/L	0.04	<0.04	<0.04	<0.04	<0.04
	C3 Phenanthrenes/Anthracenes	ug/L	0.04	<0.04	<0.04	<0.04	<0.04
Total Metals	Aluminium	mg/L	0.003	0.154	0.216	0.209	0.199
	Antimony	mg/L	0.0001	<0.0001	<0.0001	0.00012	0.00011
	Arsenic	mg/L	0.0001	0.00078	0.00086	0.00087	0.00088
	Barium	mg/L	0.00005	0.0858	0.0824	0.0866	0.0905
	Beryllium	mg/L	0.0005	<0.0005	<0.0005	<0.0005	<0.0005
	Bismuth	mg/L	0.00005	<0.00005	<0.00005	<0.00005	<0.00005
	Boron (hot water ext)	mg/L	0.01	0.016	0.036	0.032	0.033
	Cadmium	mg/L	0.00001	0.000024	0.000028	0.000037	0.000026
	Calcium	mg/L	0.02	42.5	46.3	47.1	51.7
	Chromium (III+VI)	mg/L	0.0001	0.00033	0.00035	0.0004	0.00026

Notes

MDL - Method Detection Limit

- "Sample not analyzed for this parameter"

< - "result is less than the MDL. No detectable concentration was measured"

OBED MOUNTAIN MINE
TABLE 11 ATHABASCA RIVER DOWNSTREAM 150 KM TO 830 KM

		Location	ATR 1115MP-B	ATR 1119MP	ATR 1120MP	ATR 1121MP	
		Date	15-Nov-13	19-Nov-13	20-Nov-13	21-Nov-13	
Method Type	Chemical	Unit	MDL				
	Cobalt	mg/L	0.0001	0.00017	0.00051	0.00033	0.00023
	Copper	mg/L	0.0001	0.00118	0.0019	0.00117	0.00112
	Iron	mg/L	0.01	0.298	0.466	0.424	0.338
	Lead	mg/L	0.00005	0.000322	0.000282	0.00035	0.000159
	Lithium	mg/L	0.005	0.0075	0.01	0.0095	0.0111
	Magnesium	mg/L	0.005	10.3	12.1	12.7	14.6
	Manganese	mg/L	0.00005	0.0195	0.0352	0.0255	0.0158
	Mercury	ug/L	0.0005	0.0016	0.0018	0.0019	0.00101
	Molybdenum	mg/L	0.00005	0.00101	0.00108	0.0011	0.00117
	Nickel	mg/L	0.0001	0.00137	0.00264	0.00221	0.0018
	Phosphorus	mg/L	0.3	<0.3	<0.3	<0.3	<0.3
	Potassium	mg/L	0.05	1.76	2.26	2.38	2.69
	Selenium	mg/L	0.0001	0.00021	0.00019	0.00021	0.00025
	Silicon	ug/L	50	2460	2980	3040	3040
	Silver	mg/L	0.00001	<0.00001	<0.00001	<0.00001	<0.00001
	Sodium	mg/L	0.05	13.1	19.5	20.4	21.9
	Strontium	mg/L	0.0001	0.323	0.339	0.346	0.375
	Thallium	mg/L	0.00005	<0.00005	<0.00005	<0.00005	<0.00005
	Tin	mg/L	0.0001	<0.0001	<0.0001	0.0001	<0.0001
	Titanium	mg/L	0.0003	0.0033	0.00497	0.00392	0.00625
	Uranium	ug/L	0.01	0.665	0.764	0.756	0.704
	Vanadium	mg/L	0.0001	0.00058	0.00079	0.0007	0.00064
	Zinc	mg/L	0.003	0.0037	0.006	0.0137	<0.003
Volatile Organic Compounds	1,1,1-trichloroethane	ug/L	1	<1	<1	<1	<1
	1,1,2,2-tetrachloroethane	ug/L	20	<20	<20	<20	<20
	1,1,2-trichloroethane	ug/L	2	<2	<2	<2	<2
	1,1-dichloroethane	ug/L	1	<1	<1	<1	<1
	1,1-dichloroethene	ug/L	1	<1	<1	<1	<1
	1,2,3-trichloropropane	ug/L	5	<5	<5	<5	<5
	1,2-dibromoethane	ug/L	1	<1	<1	<1	<1
	1,2-dichlorobenzene	ug/L	1	<1	<1	<1	<1
	1,2-dichloroethane	ug/L	2	<2	<2	<2	<2
	1,2-dichloropropane	ug/L	2	<2	<2	<2	<2
	1,3-dichlorobenzene	ug/L	1	<1	<1	<1	<1
	1,4-dichlorobenzene	ug/L	1	<1	<1	<1	<1
	Methyl Ethyl Ketone	ug/L	100	<100	<100	<100	<100
	2-hexanone (MBK)	ug/L	10	<10	<10	<10	<10
	4-Methyl-2-pentanone	ug/L	10	<10	<10	<10	<10
	Acetone	mg/L	0.1	<0.1	<0.1	<0.1	<0.1
	Acrolein	ug/L	100	<100	<100	<100	<100
	Acrylonitrile	ug/L	100	<100	<100	<100	<100
	Benzene	mg/L	0.001	<0.001	<0.001	<0.001	<0.001
	Toluene	mg/L	0.001	<0.001	<0.001	<0.001	<0.001
	Bromodichloromethane	ug/L	1	<1	<1	<1	<1
	Bromoform	ug/L	3	<3	<3	<3	<3
	Bromomethane	ug/L	10	<10	<10	<10	<10
	Carbon disulfide	ug/L	1	<1	<1	<1	<1
	Carbon tetrachloride	ug/L	1	<1	<1	<1	<1
	Chlorobenzene	ug/L	1	<1	<1	<1	<1
	Chlorodibromomethane	ug/L	3	<3	<3	<3	<3
	Chloroethane	ug/L	10	<10	<10	<10	<10
	Chloroform	ug/L	1	<1	<1	<1	<1
	Chloromethane	ug/L	10	<10	<10	<10	<10
	cis-1,2-dichloroethene	ug/L	1	<1	<1	<1	<1
	cis-1,3-dichloropropene	ug/L	1	<1	<1	<1	<1
	cis-1,4-Dichloro-2-butene	ug/L	10	<10	<10	<10	<10
	Dibromomethane	ug/L	3	<3	<3	<3	<3
	Dichlorodifluoromethane	ug/L	3	<3	<3	<3	<3
	Dichloromethane	ug/L	1	<1	<1	<1	<1
	Ethanol	ug/L	300	<300	<300	<300	<300
	Ethyl methacrylate	ug/L	10	<10	<10	<10	<10

Notes

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OBED MOUNTAIN MINE
TABLE 11 ATHABASCA RIVER DOWNSTREAM 150 KM TO 830 KM

				Location	ATR 1115MP-B	ATR 1119MP	ATR 1120MP	ATR 1121MP
				Date	15-Nov-13	19-Nov-13	20-Nov-13	21-Nov-13
Method Type	Chemical	Unit	MDL					
	Ethylbenzene	mg/L	0.001	<0.001	<0.001	<0.001	<0.001	<0.001
	Xylene (m & p)	mg/L	0.001	<0.001	<0.001	<0.001	<0.001	<0.001
	Xylene (o)	mg/L	0.001	<0.001	<0.001	<0.001	<0.001	<0.001
	Iodomethane	µg/L	1	<1	<1	<1	<1	<1
	Styrene	µg/L	1	<1	<1	<1	<1	<1
	Trichloroethene	µg/L	1	<1	<1	<1	<1	<1
	Tetrachloroethene	µg/L	1	<1	<1	<1	<1	<1
	trans-1,2-dichloroethene	µg/L	1	<1	<1	<1	<1	<1
	trans-1,3-dichloropropene	µg/L	1	<1	<1	<1	<1	<1
	trans-1,4-Dichloro-2-butene	µg/L	10	<10	<10	<10	<10	<10
	Trichlorofluoromethane	µg/L	1	<1	<1	<1	<1	<1
	Vinyl acetate	µg/L	100	<100	<100	<100	<100	<100
	Vinyl chloride	µg/L	2	<2	<2	<2	<2	<2

Notes
MDL - Method Detection Limit
- "Sample not analyzed for this parameter"
< - "result is less than the MDL. No detectable concentration was measured"