



ENVIRONMENTAL DYNAMICS INC.
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Date Received: 22-JAN-14
Report Date: 28-JAN-14 15:13 (MT)
Version: FINAL

Client Phone: 867-393-4882

Certificate of Analysis

Lab Work Order #: L1414468
Project P.O. #: NOT SUBMITTED
Job Reference: 13-Y-0452
C of C Numbers: 1, 2
Legal Site Desc:

Can Dang
Senior Account Manager

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ALS ENVIRONMENTAL ANALYTICAL REPORT

	Sample ID Description Sampled Date Sampled Time Client ID	L1414468-1 Surface Water 21-JAN-14 14:20 NF2-B	L1414468-2 Surface Water 21-JAN-14 15:55 R8	L1414468-3 Surface Water 21-JAN-14 15:30 R9	L1414468-4 Surface Water 21-JAN-14 15:20 R10	L1414468-5 Surface Water 21-JAN-14 14:10 NF2-A
Grouping	Analyte					
WATER						
Physical Tests	Conductivity (uS/cm)	270	234	265	267	450
	Hardness (as CaCO3) (mg/L)	130	115	128	127	211
	pH (pH)	7.91	8.08	8.10	8.00	7.77
	Total Suspended Solids (mg/L)	<1.0	<1.0	<1.0	<1.0	69.5
	Total Dissolved Solids (mg/L)	149	128	147	146	281
Anions and Nutrients	Alkalinity, Total (as CaCO3) (mg/L)	126	120	125	124	127
	Ammonia, Total (as N) (mg/L)	<0.0050	0.0051	<0.0050	<0.0050	0.0138
	Chloride (Cl) (mg/L)	<0.50	<0.50	<0.50	<0.50	<0.50
	Fluoride (F) (mg/L)	0.163	0.162	0.164	0.162	0.315
	Nitrate (as N) (mg/L)	0.245	0.155	0.240	0.237	0.324
	Nitrite (as N) (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	0.0033
	Phosphorus (P)-Total (mg/L)	0.0072	0.0063	0.0067	0.0058	0.0685
	Sulfate (SO4) (mg/L)	20.6	9.43	19.6	19.9	118
	Anion Sum (meq/L)	2.97	2.60	2.92	2.93	5.03
	Cation Sum (meq/L)	2.75	2.44	2.70	2.69	4.74
	Cation - Anion Balance (%)	-3.7	-3.3	-3.9	-4.2	-3.0
Organic / Inorganic Carbon	Dissolved Organic Carbon (mg/L)	1.17	1.09	1.10	0.99	1.84
	Total Organic Carbon (mg/L)	1.22	1.10	1.25	1.07	2.29
Total Metals	Aluminum (Al)-Total (mg/L)	0.0166	0.0124	0.0216	0.0151	1.37
	Antimony (Sb)-Total (mg/L)	<0.00010	<0.00010	<0.00010	<0.00010	0.00016
	Arsenic (As)-Total (mg/L)	0.00052	0.00066	0.00063	0.00058	0.00295
	Barium (Ba)-Total (mg/L)	0.0693	0.0687	0.0698	0.0686	0.0956
	Beryllium (Be)-Total (mg/L)	<0.00010	<0.00010	<0.00010	<0.00010	0.00018
	Bismuth (Bi)-Total (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
	Boron (B)-Total (mg/L)	<0.010	<0.010	<0.010	<0.010	<0.010
	Cadmium (Cd)-Total (mg/L)	0.000023	<0.000010	<0.000010	0.000017	0.00644
	Calcium (Ca)-Total (mg/L)	39.7	35.5	38.1	38.4	42.1
	Chromium (Cr)-Total (mg/L)	0.00014	0.00014	0.00015	0.00012	0.00302
	Cobalt (Co)-Total (mg/L)	0.00013	<0.00010	<0.00010	<0.00010	0.0391
	Copper (Cu)-Total (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	0.00377
	Iron (Fe)-Total (mg/L)	0.129	0.166	0.157	0.143	6.08
	Lead (Pb)-Total (mg/L)	0.000511	<0.000050	0.000084	0.000062	0.0249
	Lithium (Li)-Total (mg/L)	0.00653	0.00599	0.00597	0.00624	0.0113
	Magnesium (Mg)-Total (mg/L)	8.28	6.85	8.19	8.16	24.1
	Manganese (Mn)-Total (mg/L)	0.0219	0.0234	0.0241	0.0258	1.83
	Molybdenum (Mo)-Total (mg/L)	0.000805	0.000845	0.000836	0.000806	0.000914

* Please refer to the Reference Information section for an explanation of any qualifiers detected.

ALS ENVIRONMENTAL ANALYTICAL REPORT

	Sample ID Description Sampled Date Sampled Time Client ID	L1414468-6 Surface Water 21-JAN-14 15:10 NF1	L1414468-7 Surface Water 21-JAN-14 19:30 FIELD BLANK	L1414468-8 Surface Water 22-JAN-14 12:30 TRAVEL BLANK	L1414468-9 Surface Water 21-JAN-14 13:00 X14-R	L1414468-10 Surface Water 21-JAN-14 13:00 X14
Grouping	Analyte					
WATER						
Physical Tests	Conductivity (uS/cm)	276	<2.0	<2.0	626	627
	Hardness (as CaCO3) (mg/L)	129	<0.50	<0.50	308	307
	pH (pH)	7.93	5.52	5.48	7.99	8.01
	Total Suspended Solids (mg/L)	1.8	<1.0	<1.0	1.4	1.6
	Total Dissolved Solids (mg/L)	154	<1.0	<1.0	404	404
Anions and Nutrients	Alkalinity, Total (as CaCO3) (mg/L)	130	<2.0	<2.0	169	168
	Ammonia, Total (as N) (mg/L)	0.0064	<0.0050	<0.0050	0.0609	0.0618
	Chloride (Cl) (mg/L)	<0.50	<0.50	<0.50	<0.50	<0.50
	Fluoride (F) (mg/L)	0.164	<0.020	<0.020	0.155	0.156
	Nitrate (as N) (mg/L)	0.279	<0.0050	<0.0050	0.199	0.198
	Nitrite (as N) (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
	Phosphorus (P)-Total (mg/L)	0.0062	<0.0020	<0.0020	0.0199	<0.0020
	Sulfate (SO4) (mg/L)	22.4	<0.50	<0.50	179	179
	Anion Sum (meq/L)	3.10	<0.10	<0.10	7.13	7.11
	Cation Sum (meq/L)	2.73	<0.10	<0.10	6.59	6.57
	Cation - Anion Balance (%)	-6.4	0.0	0.0	-4.0	-4.0
Organic / Inorganic Carbon	Dissolved Organic Carbon (mg/L)	1.19	<0.50		1.14	1.09
	Total Organic Carbon (mg/L)	1.32	<0.50	<0.50	0.99	1.21
Total Metals	Aluminum (Al)-Total (mg/L)	0.0161	<0.0030	<0.0030	0.0142	0.0178
	Antimony (Sb)-Total (mg/L)	0.00010	<0.00010	<0.00010	<0.00010	<0.00010
	Arsenic (As)-Total (mg/L)	0.00062	<0.00010	<0.00010	0.00039	0.00040
	Barium (Ba)-Total (mg/L)	0.0725	<0.000050	<0.000050	0.0665	0.0669
	Beryllium (Be)-Total (mg/L)	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
	Bismuth (Bi)-Total (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
	Boron (B)-Total (mg/L)	<0.010	<0.010	<0.010	<0.010	<0.010
	Cadmium (Cd)-Total (mg/L)	0.000033	<0.000010	<0.000010	0.000224	0.000218
	Calcium (Ca)-Total (mg/L)	40.9	<0.020	<0.020	92.2	92.4
	Chromium (Cr)-Total (mg/L)	0.00018	<0.00010	<0.00010	0.00012	0.00013
	Cobalt (Co)-Total (mg/L)	0.00054	<0.00010	<0.00010	0.00292	0.00292
	Copper (Cu)-Total (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
	Iron (Fe)-Total (mg/L)	0.523	<0.010	<0.010	0.690	0.695
	Lead (Pb)-Total (mg/L)	0.000154	<0.000050	<0.000050	0.000185	0.000201
	Lithium (Li)-Total (mg/L)	0.00675	<0.00050	<0.00050	0.00689	0.00670
	Magnesium (Mg)-Total (mg/L)	8.66	<0.0050	<0.0050	20.3	20.4
	Manganese (Mn)-Total (mg/L)	0.0736	<0.000050	<0.000050	3.13	3.11
	Molybdenum (Mo)-Total (mg/L)	0.000826	<0.000050	<0.000050	0.000676	0.000694

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ALS ENVIRONMENTAL ANALYTICAL REPORT

	Sample ID	L1414468-11	L1414468-12	L1414468-13	L1414468-14
	Description	Surface Water	Surface Water	Surface Water	Surface Water
	Sampled Date	21-JAN-14	21-JAN-14	21-JAN-14	21-JAN-14
	Sampled Time	13:25	13:40	14:30	13:54
	Client ID	X10	X3A	NF2	X2
Grouping	Analyte				
WATER					
Physical Tests	Conductivity (uS/cm)	306	300	290	294
	Hardness (as CaCO3) (mg/L)	146	142	136	140
	pH (pH)	8.09	8.01	7.92	7.94
	Total Suspended Solids (mg/L)	<1.0	<1.0	<1.0	<1.0
	Total Dissolved Solids (mg/L)	174	168	160	165
Anions and Nutrients	Alkalinity, Total (as CaCO3) (mg/L)	138	131	126	127
	Ammonia, Total (as N) (mg/L)	0.0090	0.0106	<0.0050	<0.0050
	Chloride (Cl) (mg/L)	<0.50	<0.50	<0.50	<0.50
	Fluoride (F) (mg/L)	0.165	0.169	0.178	0.176
	Nitrate (as N) (mg/L)	0.228	0.231	0.244	0.240
	Nitrite (as N) (mg/L)	<0.0010	0.0011	<0.0010	<0.0010
	Phosphorus (P)-Total (mg/L)	0.0034	0.0043	0.0052	0.0044
	Sulfate (SO4) (mg/L)	32.4	31.6	30.0	32.1
	Anion Sum (meq/L)	3.46	3.30	3.16	3.24
	Cation Sum (meq/L)	3.09	3.02	2.90	2.97
	Cation - Anion Balance (%)	-5.6	-4.5	-4.4	-4.3
Organic / Inorganic Carbon	Dissolved Organic Carbon (mg/L)	1.11	1.11	1.01	1.25
	Total Organic Carbon (mg/L)	1.21	1.17	1.01	1.23
Total Metals	Aluminum (Al)-Total (mg/L)	0.0088	0.0151	0.0217	0.0181
	Antimony (Sb)-Total (mg/L)	<0.00010	<0.00010	<0.00010	<0.00010
	Arsenic (As)-Total (mg/L)	0.00032	0.00043	0.00054	0.00050
	Barium (Ba)-Total (mg/L)	0.0683	0.0703	0.0693	0.0695
	Beryllium (Be)-Total (mg/L)	<0.00010	<0.00010	<0.00010	<0.00010
	Bismuth (Bi)-Total (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050
	Boron (B)-Total (mg/L)	<0.010	<0.010	<0.010	<0.010
	Cadmium (Cd)-Total (mg/L)	0.000195	0.000282	0.000550	0.000415
	Calcium (Ca)-Total (mg/L)	42.5	42.2	38.6	39.8
	Chromium (Cr)-Total (mg/L)	<0.00010	0.00012	0.00013	0.00011
	Cobalt (Co)-Total (mg/L)	0.00090	0.00158	0.00343	0.00263
	Copper (Cu)-Total (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050
	Iron (Fe)-Total (mg/L)	0.285	0.309	0.201	0.234
	Lead (Pb)-Total (mg/L)	0.000138	0.000202	0.000324	0.000306
	Lithium (Li)-Total (mg/L)	0.00535	0.00556	0.00658	0.00680
	Magnesium (Mg)-Total (mg/L)	10.2	9.71	9.75	10.2
	Manganese (Mn)-Total (mg/L)	0.0925	0.146	0.180	0.173
	Molybdenum (Mo)-Total (mg/L)	0.000679	0.000684	0.000793	0.000785

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ALS ENVIRONMENTAL ANALYTICAL REPORT

		Sample ID	L1414468-1	L1414468-2	L1414468-3	L1414468-4	L1414468-5
		Description	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water
		Sampled Date	21-JAN-14	21-JAN-14	21-JAN-14	21-JAN-14	21-JAN-14
		Sampled Time	14:20	15:55	15:30	15:20	14:10
		Client ID	NF2-B	R8	R9	R10	NF2-A
Grouping	Analyte						
WATER							
Total Metals	Nickel (Ni)-Total (mg/L)		0.00051	<0.00050	<0.00050	<0.00050	0.0537
	Phosphorus (P)-Total (mg/L)		<0.30	<0.30	<0.30	<0.30	<0.30
	Potassium (K)-Total (mg/L)		0.935	0.863	0.931	0.931	1.34
	Selenium (Se)-Total (mg/L)		0.00045	0.00043	0.00044	0.00043	0.00053
	Silicon (Si)-Total (mg/L)		5.96	5.85	5.74	5.78	7.94
	Silver (Ag)-Total (mg/L)		<0.000010	<0.000010	<0.000010	<0.000010	0.000054
	Sodium (Na)-Total (mg/L)		2.87	2.78	2.86	2.87	3.53
	Strontium (Sr)-Total (mg/L)		0.173	0.153	0.171	0.167	0.200
	Thallium (Tl)-Total (mg/L)		<0.000010	<0.000010	<0.000010	<0.000010	0.000041
	Tin (Sn)-Total (mg/L)		<0.00010	<0.00010	<0.00010	<0.00010	0.00017
	Titanium (Ti)-Total (mg/L)		<0.010	<0.010	<0.010	<0.010	0.030
	Uranium (U)-Total (mg/L)		0.00223	0.00202	0.00222	0.00225	0.00247
	Vanadium (V)-Total (mg/L)		<0.0010	<0.0010	<0.0010	<0.0010	0.0031
	Zinc (Zn)-Total (mg/L)		0.0231	<0.0030	<0.0030	0.0107	8.40
	Zirconium (Zr)-Total (mg/L)		<0.00080	<0.00080	<0.00080	<0.00080	<0.00080
Dissolved Metals	Dissolved Metals Filtration Location		FIELD	FIELD	FIELD	FIELD	FIELD
	Aluminum (Al)-Dissolved (mg/L)		0.0025	0.0023	0.0026	0.0022	0.0179
	Antimony (Sb)-Dissolved (mg/L)		<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
	Arsenic (As)-Dissolved (mg/L)		0.00038	0.00047	0.00040	0.00043	0.00017
	Barium (Ba)-Dissolved (mg/L)		0.0676	0.0680	0.0675	0.0694	0.0705
	Beryllium (Be)-Dissolved (mg/L)		<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
	Bismuth (Bi)-Dissolved (mg/L)		<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
	Boron (B)-Dissolved (mg/L)		<0.010	<0.010	<0.010	<0.010	<0.010
	Cadmium (Cd)-Dissolved (mg/L)		0.000023	<0.000010	<0.000010	0.000014	0.00549
	Calcium (Ca)-Dissolved (mg/L)		38.6	34.9	37.8	37.5	42.5
	Chromium (Cr)-Dissolved (mg/L)		<0.00010	<0.00010	0.00018	<0.00010	<0.00010
	Cobalt (Co)-Dissolved (mg/L)		0.00011	<0.00010	<0.00010	<0.00010	0.0351
	Copper (Cu)-Dissolved (mg/L)		0.00027	0.00025	0.00024	0.00025	0.00032
	Iron (Fe)-Dissolved (mg/L)		0.029	0.055	0.036	0.032	0.482
	Lead (Pb)-Dissolved (mg/L)		<0.000050	<0.000050	<0.000050	<0.000050	0.000147
	Lithium (Li)-Dissolved (mg/L)		0.00641	0.00612	0.00624	0.00642	0.0100
	Magnesium (Mg)-Dissolved (mg/L)		8.24	6.75	8.09	8.14	25.4
	Manganese (Mn)-Dissolved (mg/L)		0.0202	0.0211	0.0215	0.0235	1.62
	Molybdenum (Mo)-Dissolved (mg/L)		0.000754	0.000777	0.000767	0.000752	0.000757
	Nickel (Ni)-Dissolved (mg/L)		<0.00050	<0.00050	<0.00050	<0.00050	0.0494
	Phosphorus (P)-Dissolved (mg/L)		<0.30	<0.30	<0.30	<0.30	<0.30
	Potassium (K)-Dissolved (mg/L)		0.942	0.846	0.926	0.931	1.16

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ALS ENVIRONMENTAL ANALYTICAL REPORT

		Sample ID	L1414468-6	L1414468-7	L1414468-8	L1414468-9	L1414468-10
		Description	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water
		Sampled Date	21-JAN-14	21-JAN-14	22-JAN-14	21-JAN-14	21-JAN-14
		Sampled Time	15:10	19:30	12:30	13:00	13:00
		Client ID	NF1	FIELD BLANK	TRAVEL BLANK	X14-R	X14
Grouping	Analyte						
WATER							
Total Metals	Nickel (Ni)-Total (mg/L)		0.00074	<0.00050	<0.00050	0.00671	0.00689
	Phosphorus (P)-Total (mg/L)		<0.30	<0.30	<0.30	<0.30	<0.30
	Potassium (K)-Total (mg/L)		1.02	<0.050	<0.050	1.66	1.68
	Selenium (Se)-Total (mg/L)		0.00043	<0.00010	<0.00010	0.00038	0.00039
	Silicon (Si)-Total (mg/L)		6.17	<0.050	<0.050	5.78	5.97
	Silver (Ag)-Total (mg/L)		<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
	Sodium (Na)-Total (mg/L)		3.03	<0.050	<0.050	5.72	5.73
	Strontium (Sr)-Total (mg/L)		0.184	<0.00020	<0.00020	0.306	0.302
	Thallium (Tl)-Total (mg/L)		<0.000010	<0.000010	<0.000010	0.000014	0.000040
	Tin (Sn)-Total (mg/L)		<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
	Titanium (Ti)-Total (mg/L)		<0.010	<0.010	<0.010	<0.010	<0.010
	Uranium (U)-Total (mg/L)		0.00239	<0.000010	<0.000010	0.00293	0.00296
	Vanadium (V)-Total (mg/L)		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
	Zinc (Zn)-Total (mg/L)		0.0279	<0.0030	<0.0030	0.313	0.311
	Zirconium (Zr)-Total (mg/L)		<0.00080	<0.00080	<0.00080	<0.00080	<0.00080
Dissolved Metals	Dissolved Metals Filtration Location		FIELD	FIELD		FIELD	FIELD
	Aluminum (Al)-Dissolved (mg/L)		0.0022	<0.0010		0.0018	0.0021
	Antimony (Sb)-Dissolved (mg/L)		<0.00010	<0.00010		<0.00010	<0.00010
	Arsenic (As)-Dissolved (mg/L)		0.00035	<0.00010		0.00021	0.00022
	Barium (Ba)-Dissolved (mg/L)		0.0678	<0.000050		0.0655	0.0651
	Beryllium (Be)-Dissolved (mg/L)		<0.00010	<0.00010		<0.00010	<0.00010
	Bismuth (Bi)-Dissolved (mg/L)		<0.00050	<0.00050		<0.00050	<0.00050
	Boron (B)-Dissolved (mg/L)		<0.010	<0.010		<0.010	<0.010
	Cadmium (Cd)-Dissolved (mg/L)		0.000020	<0.000010		0.000202	0.000199
	Calcium (Ca)-Dissolved (mg/L)		38.2	<0.020		90.2	89.8
	Chromium (Cr)-Dissolved (mg/L)		<0.00010	<0.00010		<0.00010	<0.00010
	Cobalt (Co)-Dissolved (mg/L)		0.00027	<0.00010		0.00278	0.00287
	Copper (Cu)-Dissolved (mg/L)		0.00027	<0.00020		0.00024	0.00025
	Iron (Fe)-Dissolved (mg/L)		0.033	<0.010		0.384	0.394
	Lead (Pb)-Dissolved (mg/L)		<0.000050	<0.000050		<0.000050	<0.000050
	Lithium (Li)-Dissolved (mg/L)		0.00670	<0.00050		0.00683	0.00688
	Magnesium (Mg)-Dissolved (mg/L)		8.14	<0.0050		20.0	20.0
	Manganese (Mn)-Dissolved (mg/L)		0.0418	<0.000050		3.06	3.10
	Molybdenum (Mo)-Dissolved (mg/L)		0.000773	<0.000050		0.000651	0.000669
	Nickel (Ni)-Dissolved (mg/L)		0.00051	<0.00050		0.00643	0.00650
	Phosphorus (P)-Dissolved (mg/L)		<0.30	<0.30		<0.30	<0.30
	Potassium (K)-Dissolved (mg/L)		0.937	<0.050		1.65	1.67

* Please refer to the Reference Information section for an explanation of any qualifiers detected.

ALS ENVIRONMENTAL ANALYTICAL REPORT

		Sample ID	L1414468-11	L1414468-12	L1414468-13	L1414468-14
		Description	Surface Water	Surface Water	Surface Water	Surface Water
		Sampled Date	21-JAN-14	21-JAN-14	21-JAN-14	21-JAN-14
		Sampled Time	13:25	13:40	14:30	13:54
		Client ID	X10	X3A	NF2	X2
Grouping	Analyte					
WATER						
Total Metals	Nickel (Ni)-Total (mg/L)		0.00270	0.00311	0.00515	0.00412
	Phosphorus (P)-Total (mg/L)		<0.30	<0.30	<0.30	<0.30
	Potassium (K)-Total (mg/L)		1.06	1.09	0.968	0.992
	Selenium (Se)-Total (mg/L)		0.00039	0.00036	0.00042	0.00042
	Silicon (Si)-Total (mg/L)		5.36	5.59	5.77	5.90
	Silver (Ag)-Total (mg/L)		<0.000010	<0.000010	<0.000010	<0.000010
	Sodium (Na)-Total (mg/L)		2.82	2.91	2.95	3.01
	Strontium (Sr)-Total (mg/L)		0.194	0.196	0.175	0.179
	Thallium (Tl)-Total (mg/L)		<0.000010	<0.000010	<0.000010	<0.000010
	Tin (Sn)-Total (mg/L)		<0.00010	<0.00010	<0.00010	<0.00010
	Titanium (Ti)-Total (mg/L)		<0.010	<0.010	<0.010	<0.010
	Uranium (U)-Total (mg/L)		0.00245	0.00250	0.00214	0.00227
	Vanadium (V)-Total (mg/L)		<0.0010	<0.0010	<0.0010	<0.0010
	Zinc (Zn)-Total (mg/L)		0.371	0.432	0.782	0.608
	Zirconium (Zr)-Total (mg/L)		<0.00080	<0.00080	<0.00080	<0.00080
Dissolved Metals	Dissolved Metals Filtration Location		FIELD	FIELD	FIELD	FIELD
	Aluminum (Al)-Dissolved (mg/L)		0.0019	0.0030	0.0049	0.0038
	Antimony (Sb)-Dissolved (mg/L)		<0.00010	<0.00010	<0.00010	<0.00010
	Arsenic (As)-Dissolved (mg/L)		0.00013	0.00023	0.00035	0.00026
	Barium (Ba)-Dissolved (mg/L)		0.0678	0.0683	0.0678	0.0676
	Beryllium (Be)-Dissolved (mg/L)		<0.00010	<0.00010	<0.00010	<0.00010
	Bismuth (Bi)-Dissolved (mg/L)		<0.00050	<0.00050	<0.00050	<0.00050
	Boron (B)-Dissolved (mg/L)		<0.010	<0.010	<0.010	<0.010
	Cadmium (Cd)-Dissolved (mg/L)		0.000185	0.000273	0.000458	0.000390
	Calcium (Ca)-Dissolved (mg/L)		42.0	41.1	38.3	39.5
	Chromium (Cr)-Dissolved (mg/L)		<0.00010	<0.00010	<0.00010	<0.00010
	Cobalt (Co)-Dissolved (mg/L)		0.00085	0.00151	0.00287	0.00247
	Copper (Cu)-Dissolved (mg/L)		0.00028	0.00027	0.00028	0.00026
	Iron (Fe)-Dissolved (mg/L)		0.038	0.130	0.084	0.068
	Lead (Pb)-Dissolved (mg/L)		<0.000050	<0.000050	<0.000050	<0.000050
	Lithium (Li)-Dissolved (mg/L)		0.00549	0.00573	0.00677	0.00708
	Magnesium (Mg)-Dissolved (mg/L)		10.1	9.59	9.74	9.96
	Manganese (Mn)-Dissolved (mg/L)		0.0881	0.137	0.153	0.166
	Molybdenum (Mo)-Dissolved (mg/L)		0.000623	0.000603	0.000735	0.000744
	Nickel (Ni)-Dissolved (mg/L)		0.00263	0.00293	0.00442	0.00400
	Phosphorus (P)-Dissolved (mg/L)		<0.30	<0.30	<0.30	<0.30
	Potassium (K)-Dissolved (mg/L)		1.05	1.06	0.971	0.983

* Please refer to the Reference Information section for an explanation of any qualifiers detected.

ALS ENVIRONMENTAL ANALYTICAL REPORT

		Sample ID	L1414468-1	L1414468-2	L1414468-3	L1414468-4	L1414468-5
		Description	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water
		Sampled Date	21-JAN-14	21-JAN-14	21-JAN-14	21-JAN-14	21-JAN-14
		Sampled Time	14:20	15:55	15:30	15:20	14:10
		Client ID	NF2-B	R8	R9	R10	NF2-A
Grouping	Analyte						
WATER							
Dissolved Metals	Selenium (Se)-Dissolved (mg/L)		0.00044	0.00044	0.00043	0.00042	0.00043
	Silicon (Si)-Dissolved (mg/L)		5.87	5.89	5.71	6.03	5.92
	Silver (Ag)-Dissolved (mg/L)		<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
	Sodium (Na)-Dissolved (mg/L)		2.84	2.72	2.82	2.83	3.53
	Strontium (Sr)-Dissolved (mg/L)		0.170	0.148	0.163	0.159	0.191
	Thallium (Tl)-Dissolved (mg/L)		<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
	Tin (Sn)-Dissolved (mg/L)		<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
	Titanium (Ti)-Dissolved (mg/L)		<0.010	<0.010	<0.010	<0.010	<0.010
	Uranium (U)-Dissolved (mg/L)		0.00224	0.00196	0.00214	0.00211	0.00228
	Vanadium (V)-Dissolved (mg/L)		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
	Zinc (Zn)-Dissolved (mg/L)		0.0229	<0.0010	<0.0010	0.0096	8.38
	Zirconium (Zr)-Dissolved (mg/L)		<0.00080	<0.00080	<0.00080	<0.00080	<0.00080

* Please refer to the Reference Information section for an explanation of any qualifiers detected.

ALS ENVIRONMENTAL ANALYTICAL REPORT

		Sample ID	L1414468-6	L1414468-7	L1414468-8	L1414468-9	L1414468-10
		Description	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water
		Sampled Date	21-JAN-14	21-JAN-14	22-JAN-14	21-JAN-14	21-JAN-14
		Sampled Time	15:10	19:30	12:30	13:00	13:00
		Client ID	NF1	FIELD BLANK	TRAVEL BLANK	X14-R	X14
Grouping	Analyte						
WATER							
Dissolved Metals	Selenium (Se)-Dissolved (mg/L)	0.00043	<0.00010		0.00039	0.00039	
	Silicon (Si)-Dissolved (mg/L)	5.97	<0.050		5.75	5.93	
	Silver (Ag)-Dissolved (mg/L)	<0.000010	<0.000010		<0.000010	<0.000010	
	Sodium (Na)-Dissolved (mg/L)	2.85	<0.050		5.81	5.80	
	Strontium (Sr)-Dissolved (mg/L)	0.167	<0.00020		0.305	0.296	
	Thallium (Tl)-Dissolved (mg/L)	<0.000010	<0.000010		<0.000010	<0.000010	
	Tin (Sn)-Dissolved (mg/L)	<0.00010	<0.00010		<0.00010	<0.00010	
	Titanium (Ti)-Dissolved (mg/L)	<0.010	<0.010		<0.010	<0.010	
	Uranium (U)-Dissolved (mg/L)	0.00209	<0.000010		0.00284	0.00281	
	Vanadium (V)-Dissolved (mg/L)	<0.0010	<0.0010		<0.0010	<0.0010	
	Zinc (Zn)-Dissolved (mg/L)	0.0191	<0.0010		0.306	0.309	
	Zirconium (Zr)-Dissolved (mg/L)	<0.00080	<0.00080		<0.00080	<0.00080	

* Please refer to the Reference Information section for an explanation of any qualifiers detected.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample ID Description Sampled Date Sampled Time Client ID	L1414468-11 Surface Water 21-JAN-14 13:25 X10	L1414468-12 Surface Water 21-JAN-14 13:40 X3A	L1414468-13 Surface Water 21-JAN-14 14:30 NF2	L1414468-14 Surface Water 21-JAN-14 13:54 X2	
Grouping	Analyte				
WATER					
Dissolved Metals	Selenium (Se)-Dissolved (mg/L)	0.00042	0.00038	0.00044	0.00044
	Silicon (Si)-Dissolved (mg/L)	5.32	5.63	5.78	5.84
	Silver (Ag)-Dissolved (mg/L)	<0.000010	<0.000010	<0.000010	<0.000010
	Sodium (Na)-Dissolved (mg/L)	2.77	2.84	2.92	2.96
	Strontium (Sr)-Dissolved (mg/L)	0.190	0.187	0.170	0.171
	Thallium (Tl)-Dissolved (mg/L)	<0.000010	<0.000010	<0.000010	<0.000010
	Tin (Sn)-Dissolved (mg/L)	<0.00010	<0.00010	<0.00010	<0.00010
	Titanium (Ti)-Dissolved (mg/L)	<0.010	<0.010	<0.010	<0.010
	Uranium (U)-Dissolved (mg/L)	0.00232	0.00230	0.00213	0.00213
	Vanadium (V)-Dissolved (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010
	Zinc (Zn)-Dissolved (mg/L)	0.368	0.429	0.679	0.602
	Zirconium (Zr)-Dissolved (mg/L)	<0.00080	<0.00080	<0.00080	<0.00080

* Please refer to the Reference Information section for an explanation of any qualifiers detected.

Reference Information

QC Samples with Qualifiers & Comments:

QC Type Description	Parameter	Qualifier	Applies to Sample Number(s)
Matrix Spike	Calcium (Ca)-Dissolved	MS-B	L1414468-1, -10, -11, -12, -13, -14, -2, -3, -4, -5, -6, -7, -9
Matrix Spike	Strontium (Sr)-Dissolved	MS-B	L1414468-1, -10, -11, -12, -13, -14, -2, -3, -4, -5, -6, -7, -9
Matrix Spike	Total Organic Carbon	MS-B	L1414468-1, -10, -11, -12, -13, -14, -2, -3, -4, -5, -6, -7, -8, -9
Matrix Spike	Barium (Ba)-Total	MS-B	L1414468-1, -10, -11, -12, -13, -14, -2, -3, -4, -5, -6, -9
Matrix Spike	Calcium (Ca)-Total	MS-B	L1414468-1, -10, -11, -12, -13, -14, -2, -3, -4, -5, -6, -9
Matrix Spike	Magnesium (Mg)-Total	MS-B	L1414468-1, -10, -11, -12, -13, -14, -2, -3, -4, -5, -6, -9
Matrix Spike	Strontium (Sr)-Total	MS-B	L1414468-1, -10, -11, -12, -13, -14, -2, -3, -4, -5, -6, -9
Matrix Spike	Calcium (Ca)-Dissolved	MS-B	L1414468-1, -10, -11, -12, -13, -14, -2, -3, -4, -5, -6, -7, -9
Matrix Spike	Magnesium (Mg)-Dissolved	MS-B	L1414468-1, -10, -11, -12, -13, -14, -2, -3, -4, -5, -6, -7, -9
Matrix Spike	Sodium (Na)-Dissolved	MS-B	L1414468-1, -10, -11, -12, -13, -14, -2, -3, -4, -5, -6, -7, -9
Matrix Spike	Strontium (Sr)-Dissolved	MS-B	L1414468-1, -10, -11, -12, -13, -14, -2, -3, -4, -5, -6, -7, -9
Matrix Spike	Sulfate (SO4)	MS-B	L1414468-10, -5, -9
Matrix Spike	Sulfate (SO4)	MS-B	L1414468-10, -5, -9

Qualifiers for Individual Parameters Listed:

Qualifier	Description
MS-B	Matrix Spike recovery could not be accurately calculated due to high analyte background in sample.

Test Method References:

ALS Test Code	Matrix	Test Description	Method Reference**
ALK-COL-VA	Water	Alkalinity by Colourimetric (Automated)	EPA 310.2
This analysis is carried out using procedures adapted from EPA Method 310.2 "Alkalinity". Total Alkalinity is determined using the methyl orange colourimetric method.			
ANIONS-CL-IC-VA	Water	Chloride by Ion Chromatography	APHA 4110 B.
This analysis is carried out using procedures adapted from APHA Method 4110 B. "Ion Chromatography with Chemical Suppression of Eluent Conductivity" and EPA Method 300.0 "Determination of Inorganic Anions by Ion Chromatography".			
ANIONS-F-IC-VA	Water	Fluoride by Ion Chromatography	APHA 4110 B.
This analysis is carried out using procedures adapted from APHA Method 4110 B. "Ion Chromatography with Chemical Suppression of Eluent Conductivity" and EPA Method 300.0 "Determination of Inorganic Anions by Ion Chromatography".			
ANIONS-NO2-IC-VA	Water	Nitrite in Water by Ion Chromatography	EPA 300.0
This analysis is carried out using procedures adapted from EPA Method 300.0 "Determination of Inorganic Anions by Ion Chromatography". Nitrite is detected by UV absorbance.			
ANIONS-NO3-IC-VA	Water	Nitrate in Water by Ion Chromatography	EPA 300.0
This analysis is carried out using procedures adapted from EPA Method 300.0 "Determination of Inorganic Anions by Ion Chromatography". Nitrate is detected by UV absorbance.			
ANIONS-SO4-IC-VA	Water	Sulfate by Ion Chromatography	APHA 4110 B.
This analysis is carried out using procedures adapted from APHA Method 4110 B. "Ion Chromatography with Chemical Suppression of Eluent Conductivity" and EPA Method 300.0 "Determination of Inorganic Anions by Ion Chromatography".			
CARBONS-DOC-VA	Water	Dissolved organic carbon by combustion	APHA 5310 TOTAL ORGANIC CARBON (TOC)
This analysis is carried out using procedures adapted from APHA Method 5310 "Total Organic Carbon (TOC)". Dissolved carbon (DOC) fractions are determined by filtering the sample through a 0.45 micron membrane filter prior to analysis.			
CARBONS-TOC-VA	Water	Total organic carbon by combustion	APHA 5310 TOTAL ORGANIC CARBON (TOC)
This analysis is carried out using procedures adapted from APHA Method 5310 "Total Organic Carbon (TOC)".			
EC-PCT-VA	Water	Conductivity (Automated)	APHA 2510 Auto. Conduc.
This analysis is carried out using procedures adapted from APHA Method 2510 "Conductivity". Conductivity is determined using a conductivity electrode.			
HARDNESS-CALC-VA	Water	Hardness	APHA 2340B
Hardness (also known as Total Hardness) is calculated from the sum of Calcium and Magnesium concentrations, expressed in CaCO3 equivalents. Dissolved Calcium and Magnesium concentrations are preferentially used for the hardness calculation.			
IONBALANCE-VA	Water	Ion Balance Calculation	APHA 1030E
Cation Sum, Anion Sum, and Ion Balance (as % difference) are calculated based on guidance from APHA Standard Methods (1030E Checking Correctness of Analysis). Because all aqueous solutions are electrically neutral, the calculated ion balance (% difference of cations minus anions) should be near-zero.			

Reference Information

Cation and Anion Sums are the total meq/L concentration of major cations and anions. Dissolved species are used where available. Minor ions are included where data is present. Ion Balance is calculated as:

$$\text{Ion Balance (\%)} = \frac{[\text{Cation Sum} - \text{Anion Sum}]}{[\text{Cation Sum} + \text{Anion Sum}]}$$

MET-D-CCMS-VA Water Dissolved Metals in Water by CRC ICPMS APHA 3030 B&E / EPA SW-846 6020A

This analysis is carried out using procedures adapted from "Standard Methods for the Examination of Water and Wastewater" published by the American Public Health Association, and with procedures adapted from "Test Methods for Evaluating Solid Waste" SW-846 published by the United States Environmental Protection Agency (EPA). The procedures may involve preliminary sample treatment by acid digestion, using hotblock, or filtration (APHA 3030B&E). Instrumental analysis is by collision cell inductively coupled plasma - mass spectrometry (modified from EPA Method 6020A).

MET-T-CCMS-VA Water Total Metals in Water by CRC ICPMS APHA 3030 B&E / EPA SW-846 6020A

This analysis is carried out using procedures adapted from "Standard Methods for the Examination of Water and Wastewater" published by the American Public Health Association, and with procedures adapted from "Test Methods for Evaluating Solid Waste" SW-846 published by the United States Environmental Protection Agency (EPA). The procedures may involve preliminary sample treatment by acid digestion, using hotblock, or filtration (APHA 3030B&E). Instrumental analysis is by collision cell inductively coupled plasma - mass spectrometry (modified from EPA Method 6020A).

NH3-F-VA Water Ammonia in Water by Fluorescence J. ENVIRON. MONIT., 2005, 7, 37-42, RSC

This analysis is carried out, on sulfuric acid preserved samples, using procedures modified from J. Environ. Monit., 2005, 7, 37 - 42, The Royal Society of Chemistry, "Flow-injection analysis with fluorescence detection for the determination of trace levels of ammonium in seawater", Roslyn J. Weston et al.

P-T-COL-VA Water Total P in Water by Colour APHA 4500-P Phosphorous

This analysis is carried out using procedures adapted from APHA Method 4500-P "Phosphorus". Total Phosphorous is determined colourimetrically after persulphate digestion of the sample.

PH-PCT-VA Water pH by Meter (Automated) APHA 4500-H "pH Value"

This analysis is carried out using procedures adapted from APHA Method 4500-H "pH Value". The pH is determined in the laboratory using a pH electrode

It is recommended that this analysis be conducted in the field.

PH-PCT-VA Water pH by Meter (Automated) APHA 4500-H pH Value

This analysis is carried out using procedures adapted from APHA Method 4500-H "pH Value". The pH is determined in the laboratory using a pH electrode

It is recommended that this analysis be conducted in the field.

TDS-CALC-VA Water TDS (Calculated) APHA 1030E (20TH EDITION)

This analysis is carried out using procedures adapted from APHA 1030E "Checking Correctness of Analyses".

TSS-LOW-VA Water Total Suspended Solids by Grav. (1 mg/L) APHA 2540 Gravimetric

This analysis is carried out using procedures adapted from APHA Method 2540 "Solids". Solids are determined gravimetrically. Total suspended solids (TSS) are determined by filtering a sample through a glass fibre filter, TSS is determined by drying the filter at 104 degrees celsius.

ZR-D-MS-VA Water Dissolved Zr in Water by ICPMS EPA SW-846 3005A/6020A

This analysis is carried out using procedures adapted from "Standard Methods for the Examination of Water and Wastewater" published by the American Public Health Association, and with procedures adapted from "Test Methods for Evaluating Solid Waste" SW-846 published by the United States Environmental Protection Agency (EPA). The procedures may involve preliminary sample treatment by acid digestion, using either hotblock or microwave oven, or filtration (EPA Method 3005A). Instrumental analysis is by inductively coupled plasma - mass spectrometry (EPA Method 6020A).

ZR-T-MS-VA Water Total Zr in Water by ICPMS EPA SW-846 3005A/6020A

This analysis is carried out using procedures adapted from "Standard Methods for the Examination of Water and Wastewater" published by the American Public Health Association, and with procedures adapted from "Test Methods for Evaluating Solid Waste" SW-846 published by the United States Environmental Protection Agency (EPA). The procedures may involve preliminary sample treatment by acid digestion, using either hotblock or microwave oven, or filtration (EPA Method 3005A). Instrumental analysis is by inductively coupled plasma - mass spectrometry (EPA Method 6020A).

** ALS test methods may incorporate modifications from specified reference methods to improve performance.

The last two letters of the above test code(s) indicate the laboratory that performed analytical analysis for that test. Refer to the list below:

Laboratory Definition Code	Laboratory Location
VA	ALS ENVIRONMENTAL - VANCOUVER, BRITISH COLUMBIA, CANADA

Chain of Custody Numbers:

1

2

Reference Information

GLOSSARY OF REPORT TERMS

Surrogate - A compound that is similar in behaviour to target analyte(s), but that does not occur naturally in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery.

mg/kg - milligrams per kilogram based on dry weight of sample.

mg/kg wwt - milligrams per kilogram based on wet weight of sample.

mg/kg lwt - milligrams per kilogram based on lipid-adjusted weight of sample.

mg/L - milligrams per litre.

< - Less than.

D.L. - The reported Detection Limit, also known as the Limit of Reporting (LOR).

N/A - Result not available. Refer to qualifier code and definition for explanation.

Test results reported relate only to the samples as received by the laboratory.

UNLESS OTHERWISE STATED, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION.

Analytical results in unsigned test reports with the DRAFT watermark are subject to change, pending final QC review.

Report To	Report Format / Distribution	Service Requested (Rush for routine analysis subject to availability)
Company: EDI	<input checked="" type="checkbox"/> Standard <input type="checkbox"/> Other	<input type="radio"/> Regular (Standard Turnaround Times - Business Days)
Contact: Meighan Kearns	<input checked="" type="checkbox"/> PDF <input checked="" type="checkbox"/> Excel <input type="checkbox"/> Digital <input type="checkbox"/> Fax	<input checked="" type="radio"/> Priority (2-4 Business Days) - 50% Surcharge - Contact ALS to Confirm TAT
Address: 2195 - 2nd Avenue	Email 1: mkearns@edynamics.com	<input type="radio"/> Emergency (1-2 Bus. Days) - 100% Surcharge - Contact ALS to Confirm TAT
Whitehorse, YT Y1A 3T8	Email 2: adrienne.turcotte@gov.yk.ca	<input type="radio"/> Same Day or Weekend Emergency - Contact ALS to Confirm TAT
Phone: 867-393-4882 Fax:	Email 3:	

Invoice To Same as Report? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Client / Project Information	Analysis Request											
Hardcopy of Invoice with Report? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Job #: 13-Y-0452	Please indicate below Filtered, Preserved or both (F, P, F/P)											
Company:	PO / AFE:	ALK-COL-VA P-T-COL-VA	ANIONS-ALL-IC-WR	CARBONS-DOC-VA	CARBONS-TOC-VA, NH3-F-A	EC-MAN-WR, PH-MAN-WR	MET-D-CCMS-VA ZR-D-MS-	MET-T-CCMS-VA ZR-T-MS-	IONBALANCE-VA	TDS-CALC-VA	TSS-LOW-WR	HARDNESS-CALC-VA	Number of Containers
Contact:	LSD:												
Address:	Quote #: Q38556												
Phone: Fax:	ALS Contact:												
Lab Work Order # (lab use only)	Sampler: LG, JM												

Sample #	Sample Identification (This description will appear on the report)	Date (dd-mmm-yy)	Time (hh:mm)	Sample Type	ALK-COL-VA P-T-COL-VA	ANIONS-ALL-IC-WR	CARBONS-DOC-VA	CARBONS-TOC-VA, NH3-F-A	EC-MAN-WR, PH-MAN-WR	MET-D-CCMS-VA ZR-D-MS-	MET-T-CCMS-VA ZR-T-MS-	IONBALANCE-VA	TDS-CALC-VA	TSS-LOW-WR	HARDNESS-CALC-VA	Number of Containers
	NF2-B	21 Jan 14	14:20	Surface Water	X	X	X	X	X	X	X	X	X	X	X	5
	R8	21 Jan 14	15:55	Surface Water	X	X	X	X	X	X	X	X	X	X	X	5
	R9	21 Jan 14	15:30	Surface Water	X	X	X	X	X	X	X	X	X	X	X	5
	R10	21 Jan 14	15:20	Surface Water	X	X	X	X	X	X	X	X	X	X	X	5
	NF2-A	21 Jan 14	14:10	Surface Water	X	X	X	X	X	X	X	X	X	X	X	5
	NF1	21 Jan 14	15:10	Surface Water	X	X	X	X	X	X	X	X	X	X	X	5
	/	/	/	Surface Water	X	X	X	X	X	X	X	X	X	X	X	5
	/	/	/	Surface Water	X	X	X	X	X	X	X	X	X	X	X	5

RUSH



L1414468-COFC

Special Instructions: ME-Freshwater Aquatic Life/BC CSR - Commercial/AB Tier 1 - Natural, etc) / Hazardous Details

Use Faro Equis Format to report

Failure to complete all portions of this form may delay analysis. Please fill in this form LEGIBLY.
 By the use of this form the user acknowledges and agrees with the Terms and Conditions as provided on a separate Excel tab.
 Also provided on another Excel tab are the ALS location addresses, phone numbers and sample container / preservation / holding time table for common analyses.

SHIPMENT RELEASE (client use)			SHIPMENT RECEPTION (lab use only)			SHIPMENT VERIFICATION (lab use only)				
Released by:	Date (dd-mmm-yy)	Time (hh-mm)	Received by:	Date:	Time:	Temperature:	Verified by:	Date:	Time:	Observations: Yes / No ? If Yes add SIF
			<i>[Signature]</i>	22-JAN-14	12:30	23, 18°C				

PR 23 JAN 9:40 2°C

Report To	Report Format / Distribution	Service Requested (Rush for routine analysis subject to availability)
Company: EDI	<input checked="" type="checkbox"/> Standard <input type="checkbox"/> Other	<input type="radio"/> Regular (Standard Turnaround Times - Business Days)
Contact: Meighan Kearns	<input checked="" type="checkbox"/> PDF <input checked="" type="checkbox"/> Excel <input type="checkbox"/> Digital <input type="checkbox"/> Fax	<input checked="" type="radio"/> Priority (2-4 Business Days) - 50% Surcharge - Contact ALS to Confirm TAT
Address: 2195 - 2nd Avenue Whitehorse, YT Y1A 3T8	Email 1: mkearns@edynamics.com Email 2: adrienne.turcotte@gov.yk.ca	<input type="radio"/> Emergency (1-2 Bus. Days) - 100% Surcharge - Contact ALS to Confirm TAT
Phone: 867-393-4882 Fax: _____	Email 3: _____	<input type="radio"/> Same Day or Weekend Emergency - Contact ALS to Confirm TAT

Invoice To Same as Report? <input type="checkbox"/> Yes <input type="checkbox"/> No	Client / Project Information	Analysis Request											
Hardcopy of Invoice with Report? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Job #: 13-Y-0452	Please indicate below Filtered, Preserved or both (F, P, F/P)											
Company: _____	PO / AFE: _____	ALK-COL-VA, P-T-COL-VA	ANIONS-ALL-IC-WR	CARBONS-DOC-VA	CARBONS-TOC-VA, NH3-F-V	EC-MAN-WR, PH-MAN-WR	MET-D-CCMS-VA, ZR-D-MS-	MET-T-CCMS-VA, ZR-T-MS-	IONBALANCE-VA	TDS-CALC-VA	TSS-LOW-WR	HARDNESS-CALC-VA	Number of Containers
Contact: _____	LSD: _____												
Address: _____	Quote #: Q38556												
Phone: _____ Fax: _____	ALS Contact: _____												
Lab Work Order # (lab use only)	Sampler: LG / JM												

Sample #	Sample Identification (This description will appear on the report)	Date (dd-mmm-yy)	Time (hh:mm)	Sample Type	ALK-COL-VA, P-T-COL-VA	ANIONS-ALL-IC-WR	CARBONS-DOC-VA	CARBONS-TOC-VA, NH3-F-V	EC-MAN-WR, PH-MAN-WR	MET-D-CCMS-VA, ZR-D-MS-	MET-T-CCMS-VA, ZR-T-MS-	IONBALANCE-VA	TDS-CALC-VA	TSS-LOW-WR	HARDNESS-CALC-VA	Number of Containers
1	Field Blank	21-Jan-14	19:30	Surface Water	X	X	X	X	X	X	X	X	X	X	X	5
2	Trip Blank	18-Jan-14	N/A	Surface Water	X	X	X	X	X	X	X	X	X	X	X	5
3	X 14-1	21-Jan-14	13:00	Surface Water	X	X	X	X	X	X	X	X	X	X	X	5
4	X 14	21-Jan-14	13:00	Surface Water	X	X	X	X	X	X	X	X	X	X	X	5
5	X 10	21-Jan-14	13:25	Surface Water	X	X	X	X	X	X	X	X	X	X	X	5
6	X 3A	21-Jan-14	13:40	Surface Water	X	X	X	X	X	X	X	X	X	X	X	5
7	NF2	21-Jan-14	14:30	Surface Water	X	X	X	X	X	X	X	X	X	X	X	5
8	X 2	21-Jan-14	13:54	Surface Water	X	X	X	X	X	X	X	X	X	X	X	5
9																
10																
11																
12																

Special Instr. _____ Freshwater Aquatic Life/BC CSR - Commercial/AB Tier 1 - Natural, etc) / Hazardous Details

Use Faro Equis Format to report

Failure to complete all portions of this form may delay analysis. Please fill in this form LEGIBLY.
 By the use of this form the user acknowledges and agrees with the Terms and Conditions as provided on a separate Excel tab.
 Also provided on another Excel tab are the ALS location addresses, phone numbers and sample container / preservation / holding time table for common analyses.

SHIPMENT RELEASE (client use)			SHIPMENT RECEPTION (lab use only)				SHIPMENT VERIFICATION (lab use only)			
Released by:	Date (dd-mmm-yy)	Time (hh-mm)	Received by:	Date:	Time:	Temperature:	Verified by:	Date:	Time:	Observations: Yes / No ? If Yes add SIF
			<i>[Signature]</i>	22-JAN-14	12:30	23, 1.8°C				

PR 23 JAN 9:40 20°C

GENF 18.01 Front