



ENVIRONMENTAL DYNAMICS INC.
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Date Received: 26-MAR-14
Report Date: 31-MAR-14 16:26 (MT)
Version: FINAL

Client Phone: 867-393-4882

Certificate of Analysis

Lab Work Order #: L1436273
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	L1436273-1 Grab 25-MAR-14 12:35 R9	L1436273-2 Grab 25-MAR-14 12:25 R10	L1436273-3 Grab 25-MAR-14 09:35 X14	L1436273-4 Grab 25-MAR-14 10:25 X3A-R	L1436273-5 Grab 25-MAR-14 11:30 NF2
Grouping	Analyte					
WATER						
Physical Tests	Conductivity (uS/cm)	294	292	774	343	320
	Hardness (as CaCO3) (mg/L)	148	149	444	176	162
	pH (pH)	7.91	7.69	7.51	7.53	7.38
	Total Suspended Solids (mg/L)	1.2	1.2	3.4	<1.0	1.2
	Total Dissolved Solids (mg/L)	169	167	567	198	186
Anions and Nutrients	Alkalinity, Total (as CaCO3) (mg/L)	144	140	200	150	144
	Ammonia, Total (as N) (mg/L)	<0.0050	<0.0050	0.115	0.0075	<0.0050
	Chloride (Cl) (mg/L)	<0.50	<0.50	0.60	<0.50	<0.50
	Fluoride (F) (mg/L)	0.182	0.181	0.159	0.187	0.192
	Nitrate (as N) (mg/L)	0.292	0.293	0.228	0.309	0.295
	Nitrite (as N) (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
	Phosphorus (P)-Total (mg/L)	0.0053	0.0050	<0.0020	0.0035	0.0041
	Sulfate (SO4) (mg/L)	22.2	22.7	270	37.4	33.3
	Anion Sum (meq/L)	3.37	3.31	9.65	3.80	3.61
	Cation Sum (meq/L)	3.14	3.14	9.53	3.72	3.46
	Cation - Anion Balance (%)	-3.6	-2.6	-0.6	-1.0	-2.1
Organic / Inorganic Carbon	Dissolved Organic Carbon (mg/L)	1.18	1.23	1.29	1.27	1.28
	Total Organic Carbon (mg/L)	1.27	1.24	1.37	1.39	1.19
Total Metals	Aluminum (Al)-Total (mg/L)	0.0086	0.0088	0.0230	0.0104	0.0252
	Antimony (Sb)-Total (mg/L)	<0.00010	<0.00010	<0.00010	0.00014	<0.00010
	Arsenic (As)-Total (mg/L)	0.00054	0.00056	0.00041	0.00038	0.00053
	Barium (Ba)-Total (mg/L)	0.0754	0.0733	0.0730	0.0799	0.0780
	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)	<0.000010	0.000019	0.000240	0.000333	0.000512
	Calcium (Ca)-Total (mg/L)	43.7	42.2	128	49.9	45.3
	Chromium (Cr)-Total (mg/L)	0.00011	0.00018	0.00012	0.00017	0.00021
	Cobalt (Co)-Total (mg/L)	<0.00010	<0.00010	0.00414	0.00216	0.00358
	Copper (Cu)-Total (mg/L)	<0.00050	<0.00050	0.00051	0.00052	<0.00050
	Iron (Fe)-Total (mg/L)	0.116	0.116	0.838	0.148	0.207
	Lead (Pb)-Total (mg/L)	<0.000050	0.000072	0.000237	0.000247	0.000426
	Lithium (Li)-Total (mg/L)	0.00784	0.00770	0.00895	0.00799	0.00852
	Magnesium (Mg)-Total (mg/L)	9.31	9.27	29.6	12.6	11.8
	Manganese (Mn)-Total (mg/L)	0.0181	0.0208	5.44	0.185	0.217
	Molybdenum (Mo)-Total (mg/L)	0.000970	0.000932	0.000834	0.000788	0.000942

* 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	L1436273-6 Grab 25-MAR-14 11:00 NF2-A	L1436273-7 Grab 25-MAR-14 09:00 R3	L1436273-8 Grab 25-MAR-14 11:20 NF2-B	L1436273-9 Grab 25-MAR-14 10:45 X2	L1436273-10 Grab 25-MAR-14 09:55 X10
Grouping	Analyte					
WATER						
Physical Tests	Conductivity (uS/cm)	606	639	308	325	332
	Hardness (as CaCO3) (mg/L)	335	351	158	169	174
	pH (pH)	8.11	7.76	7.47	7.49	7.71
	Total Suspended Solids (mg/L)	7.6	1.6	<1.0	<1.0	<1.0
	Total Dissolved Solids (mg/L)	407	447	181	199	203
Anions and Nutrients	Alkalinity, Total (as CaCO3) (mg/L)	262	185	153	154	166
	Ammonia, Total (as N) (mg/L)	0.0133	0.0509	<0.0050	0.0069	<0.0050
	Chloride (Cl) (mg/L)	<0.50	<0.50	<0.50	<0.50	<0.50
	Fluoride (F) (mg/L)	0.318	0.137	0.181	0.191	0.171
	Nitrate (as N) (mg/L)	1.87	0.267	0.297	0.287	0.289
	Nitrite (as N) (mg/L)	0.0026	0.0011	<0.0010	<0.0010	<0.0010
	Phosphorus (P)-Total (mg/L)	0.0138	<0.020 ^{DLM}	0.0039	0.0034	0.0030
	Sulfate (SO4) (mg/L)	107	197	25.4	38.2	33.9
	Anion Sum (meq/L)	7.61	7.83	3.61	3.91	4.05
	Cation Sum (meq/L)	7.24	7.42	3.36	3.61	3.67
	Cation - Anion Balance (%)	-2.5	-2.7	-3.7	-4.0	-4.9
Organic / Inorganic Carbon	Dissolved Organic Carbon (mg/L)	3.00	1.26	1.24	1.52	1.28
	Total Organic Carbon (mg/L)	3.13	1.42	1.25	1.29	1.34
Total Metals	Aluminum (Al)-Total (mg/L)	0.0589	0.0076	0.0089	0.0130	0.0068
	Antimony (Sb)-Total (mg/L)	0.00014	<0.00010	<0.00010	<0.00010	<0.00010
	Arsenic (As)-Total (mg/L)	0.00117	0.00025	0.00051	0.00048	0.00031
	Barium (Ba)-Total (mg/L)	0.127	0.0831	0.0802	0.0802	0.0820
	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)	0.000617	0.000125	0.000112	0.000455	0.000223
	Calcium (Ca)-Total (mg/L)	95.6	105	44.8	47.3	49.9
	Chromium (Cr)-Total (mg/L)	0.00037	0.00013	0.00011	0.00010	<0.00010
	Cobalt (Co)-Total (mg/L)	0.00214	0.00171	0.00078	0.00317	0.00074
	Copper (Cu)-Total (mg/L)	0.00123	0.00059	<0.00050	<0.00050	<0.00050
	Iron (Fe)-Total (mg/L)	0.456	0.188	0.118	0.267	0.113
	Lead (Pb)-Total (mg/L)	0.00324	0.000194	0.000250	0.000339	0.000166
	Lithium (Li)-Total (mg/L)	0.0157	0.00624	0.00811	0.00878	0.00751
	Magnesium (Mg)-Total (mg/L)	24.4	23.7	10.3	12.8	12.7
	Manganese (Mn)-Total (mg/L)	0.214	2.41	0.0565	0.240	0.0827
	Molybdenum (Mo)-Total (mg/L)	0.00163	0.000589	0.000947	0.000891	0.000760

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ALS ENVIRONMENTAL ANALYTICAL REPORT

	Sample ID Description Sampled Date Sampled Time Client ID	L1436273-11 Grab 25-MAR-14 13:10 FIELD BLANK	L1436273-12 Grab 25-MAR-14 10:20 X3A	L1436273-13 Grab 25-MAR-14 12:10 NF1	L1436273-14 Grab 25-MAR-14 12:50 R8	L1436273-15 Grab 26-MAR-14 09:55 TRAVEL BLANK
Grouping	Analyte					
WATER						
Physical Tests	Conductivity (uS/cm)	<2.0	334	300	263	<2.0
	Hardness (as CaCO3) (mg/L)	<0.50	172	155	134	<0.50
	pH (pH)	5.85	7.50	7.50	7.86	5.67
	Total Suspended Solids (mg/L)	<1.0	<1.0	<1.0	<1.0	<1.0
	Total Dissolved Solids (mg/L)	<1.0	199	177	148	<1.0
Anions and Nutrients	Alkalinity, Total (as CaCO3) (mg/L)	<2.0	154	150	138	<2.0
	Ammonia, Total (as N) (mg/L)	<0.0050	0.0062	0.0059	<0.0050	<0.0050
	Chloride (Cl) (mg/L)	<0.50	<0.50	<0.50	<0.50	<0.50
	Fluoride (F) (mg/L)	<0.020	0.187	0.185	0.179	<0.020
	Nitrate (as N) (mg/L)	<0.0050	0.317	0.316	0.188	<0.0050
	Nitrite (as N) (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
	Phosphorus (P)-Total (mg/L)	<0.0020	0.0034	0.0050	0.0055	<0.0020
	Sulfate (SO4) (mg/L)	<0.50	36.9	23.7	9.84	<0.50
	Anion Sum (meq/L)	<0.10	3.87	3.52	2.99	<0.10
	Cation Sum (meq/L)	<0.10	3.65	3.29	2.85	<0.10
	Cation - Anion Balance (%)	0.0	-3.0	-3.4	-2.4	0.0
Organic / Inorganic Carbon	Dissolved Organic Carbon (mg/L)	<0.50	1.33	1.25	1.19	
	Total Organic Carbon (mg/L)	<0.50	1.43	1.23	1.18	<0.50
Total Metals	Aluminum (Al)-Total (mg/L)	<0.0030	0.0107	0.0073	0.0068	<0.0030
	Antimony (Sb)-Total (mg/L)	<0.00010	0.00019	0.00012	<0.00010	<0.00010
	Arsenic (As)-Total (mg/L)	<0.00010	0.00046	0.00058	0.00059	<0.00010
	Barium (Ba)-Total (mg/L)	<0.000050	0.0813	0.0799	0.0779	<0.000050
	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)	<0.000010	0.000349	0.000025	<0.000010	<0.000010
	Calcium (Ca)-Total (mg/L)	<0.020	49.1	45.8	41.1	<0.020
	Chromium (Cr)-Total (mg/L)	<0.00010	0.00025	0.00014	0.00012	<0.00010
	Cobalt (Co)-Total (mg/L)	<0.00010	0.00209	0.00030	<0.00010	<0.00010
	Copper (Cu)-Total (mg/L)	<0.00050	0.00073	<0.00050	<0.00050	<0.00050
	Iron (Fe)-Total (mg/L)	<0.010	0.150	0.131	0.125	<0.010
	Lead (Pb)-Total (mg/L)	<0.000050	0.000293	0.000116	<0.000050	<0.000050
	Lithium (Li)-Total (mg/L)	<0.00050	0.00766	0.00855	0.00792	<0.00050
	Magnesium (Mg)-Total (mg/L)	<0.0050	12.7	10.2	7.72	<0.0050
	Manganese (Mn)-Total (mg/L)	<0.000050	0.180	0.0447	0.0163	<0.000050
	Molybdenum (Mo)-Total (mg/L)	<0.000050	0.000829	0.000970	0.000996	<0.000050

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ALS ENVIRONMENTAL ANALYTICAL REPORT

		Sample ID	L1436273-1	L1436273-2	L1436273-3	L1436273-4	L1436273-5
		Description	Grab	Grab	Grab	Grab	Grab
		Sampled Date	25-MAR-14	25-MAR-14	25-MAR-14	25-MAR-14	25-MAR-14
		Sampled Time	12:35	12:25	09:35	10:25	11:30
		Client ID	R9	R10	X14	X3A-R	NF2
Grouping	Analyte						
WATER							
Total Metals	Nickel (Ni)-Total (mg/L)		<0.00050	<0.00050	0.0104	0.00431	0.00539
	Phosphorus (P)-Total (mg/L)		<0.30	<0.30	<0.30	<0.30	<0.30
	Potassium (K)-Total (mg/L)		1.05	1.04	2.15	1.32	1.16
	Selenium (Se)-Total (mg/L)		0.00046	0.00044	0.00045	0.00041	0.00045
	Silicon (Si)-Total (mg/L)		5.86	5.65	6.37	6.12	6.09
	Silver (Ag)-Total (mg/L)		<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
	Sodium (Na)-Total (mg/L)		3.26	3.17	8.02	3.50	3.48
	Strontium (Sr)-Total (mg/L)		0.197	0.199	0.418	0.225	0.204
	Thallium (Tl)-Total (mg/L)		<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
	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)		0.00289	0.00279	0.00376	0.00313	0.00288
	Vanadium (V)-Total (mg/L)		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
	Zinc (Zn)-Total (mg/L)		<0.0030	0.0114	0.323	0.594	0.813
	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)		0.0013	0.0019	0.0014	0.0022	0.0032
	Antimony (Sb)-Dissolved (mg/L)		<0.00010	<0.00010	<0.00010	0.00013	<0.00010
	Arsenic (As)-Dissolved (mg/L)		0.00039	0.00041	0.00032	0.00019	0.00033
	Barium (Ba)-Dissolved (mg/L)		0.0756	0.0762	0.0740	0.0782	0.0775
	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)		<0.000010	0.000015	0.000225	0.000336	0.000500
	Calcium (Ca)-Dissolved (mg/L)		43.9	43.6	127	49.9	45.7
	Chromium (Cr)-Dissolved (mg/L)		<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
	Cobalt (Co)-Dissolved (mg/L)		<0.00010	<0.00010	0.00400	0.00205	0.00351
	Copper (Cu)-Dissolved (mg/L)		0.00021	0.00021	0.00028	0.00033	0.00025
	Iron (Fe)-Dissolved (mg/L)		0.022	0.025	0.654	0.022	0.077
	Lead (Pb)-Dissolved (mg/L)		<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Lithium (Li)-Dissolved (mg/L)		0.00826	0.00822	0.00883	0.00803	0.00873
	Magnesium (Mg)-Dissolved (mg/L)		9.42	9.62	30.8	12.5	11.7
	Manganese (Mn)-Dissolved (mg/L)		0.0162	0.0193	5.42	0.178	0.213
	Molybdenum (Mo)-Dissolved (mg/L)		0.000882	0.000892	0.000759	0.000777	0.000876
	Nickel (Ni)-Dissolved (mg/L)		<0.00050	<0.00050	0.0101	0.00396	0.00520
	Phosphorus (P)-Dissolved (mg/L)		<0.30	<0.30	<0.30	<0.30	<0.30
	Potassium (K)-Dissolved (mg/L)		1.06	1.07	2.23	1.29	1.16

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ALS ENVIRONMENTAL ANALYTICAL REPORT

		Sample ID	L1436273-6	L1436273-7	L1436273-8	L1436273-9	L1436273-10
		Description	Grab	Grab	Grab	Grab	Grab
		Sampled Date	25-MAR-14	25-MAR-14	25-MAR-14	25-MAR-14	25-MAR-14
		Sampled Time	11:00	09:00	11:20	10:45	09:55
		Client ID	NF2-A	R3	NF2-B	X2	X10
Grouping	Analyte						
WATER							
Total Metals	Nickel (Ni)-Total (mg/L)		0.00909	0.00502	0.00139	0.00521	0.00354
	Phosphorus (P)-Total (mg/L)		<0.30	<0.30	<0.30	<0.30	<0.30
	Potassium (K)-Total (mg/L)		2.45	1.88	1.18	1.24	1.33
	Selenium (Se)-Total (mg/L)		0.00102	0.00044	0.00046	0.00043	0.00040
	Silicon (Si)-Total (mg/L)		11.1	6.03	6.13	6.40	6.16
	Silver (Ag)-Total (mg/L)		<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
	Sodium (Na)-Total (mg/L)		9.92	6.37	3.46	3.64	3.52
	Strontium (Sr)-Total (mg/L)		0.436	0.340	0.202	0.214	0.224
	Thallium (Tl)-Total (mg/L)		0.000014	<0.000010	<0.000010	<0.000010	<0.000010
	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)		0.00657	0.00314	0.00293	0.00301	0.00307
	Vanadium (V)-Total (mg/L)		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
	Zinc (Zn)-Total (mg/L)		1.02	0.149	0.171	0.767	0.452
	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)		0.0018	<0.0010	0.0016	0.0038	0.0015
	Antimony (Sb)-Dissolved (mg/L)		0.00013	<0.00010	<0.00010	<0.00010	<0.00010
	Arsenic (As)-Dissolved (mg/L)		0.00059	0.00016	0.00035	0.00022	0.00016
	Barium (Ba)-Dissolved (mg/L)		0.123	0.0821	0.0814	0.0792	0.0784
	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)		0.000530	0.000110	0.000109	0.000448	0.000220
	Calcium (Ca)-Dissolved (mg/L)		92.8	101	45.8	47.1	49.0
	Chromium (Cr)-Dissolved (mg/L)		<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
	Cobalt (Co)-Dissolved (mg/L)		0.00202	0.00171	0.00075	0.00305	0.00071
	Copper (Cu)-Dissolved (mg/L)		0.00082	0.00033	0.00027	0.00025	0.00031
	Iron (Fe)-Dissolved (mg/L)		0.021	<0.010	0.028	0.070	0.015
	Lead (Pb)-Dissolved (mg/L)		0.000201	<0.000050	<0.000050	<0.000050	<0.000050
	Lithium (Li)-Dissolved (mg/L)		0.0156	0.00664	0.00854	0.00901	0.00756
	Magnesium (Mg)-Dissolved (mg/L)		25.0	23.8	10.7	12.5	12.5
	Manganese (Mn)-Dissolved (mg/L)		0.209	2.39	0.0562	0.231	0.0804
	Molybdenum (Mo)-Dissolved (mg/L)		0.00149	0.000549	0.000878	0.000845	0.000702
	Nickel (Ni)-Dissolved (mg/L)		0.00882	0.00506	0.00132	0.00485	0.00342
	Phosphorus (P)-Dissolved (mg/L)		<0.30	<0.30	<0.30	<0.30	<0.30
	Potassium (K)-Dissolved (mg/L)		2.52	1.87	1.19	1.25	1.29

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

ALS ENVIRONMENTAL ANALYTICAL REPORT

		Sample ID	L1436273-11	L1436273-12	L1436273-13	L1436273-14	L1436273-15
		Description	Grab	Grab	Grab	Grab	Grab
		Sampled Date	25-MAR-14	25-MAR-14	25-MAR-14	25-MAR-14	26-MAR-14
		Sampled Time	13:10	10:20	12:10	12:50	09:55
		Client ID	FIELD BLANK	X3A	NF1	R8	TRAVEL BLANK
Grouping	Analyte						
WATER							
Total Metals	Nickel (Ni)-Total (mg/L)		<0.00050	0.00416	0.00064	<0.00050	<0.00050
	Phosphorus (P)-Total (mg/L)		<0.30	<0.30	<0.30	<0.30	<0.30
	Potassium (K)-Total (mg/L)		<0.050	1.33	1.17	1.00	<0.050
	Selenium (Se)-Total (mg/L)		<0.00010	0.00043	0.00044	0.00044	<0.00010
	Silicon (Si)-Total (mg/L)		<0.050	6.13	6.17	6.03	<0.050
	Silver (Ag)-Total (mg/L)		<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
	Sodium (Na)-Total (mg/L)		<0.050	3.49	3.46	3.18	<0.050
	Strontium (Sr)-Total (mg/L)		<0.00020	0.234	0.208	0.188	<0.00020
	Thallium (Tl)-Total (mg/L)		<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
	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)		<0.000010	0.00314	0.00302	0.00279	<0.000010
	Vanadium (V)-Total (mg/L)		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
	Zinc (Zn)-Total (mg/L)		<0.0030	0.593	0.0241	<0.0030	<0.0030
	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)		<0.0010	0.0024	0.0024	0.0016	
	Antimony (Sb)-Dissolved (mg/L)		<0.00010	<0.00010	<0.00010	<0.00010	
	Arsenic (As)-Dissolved (mg/L)		<0.00010	0.00022	0.00039	0.00040	
	Barium (Ba)-Dissolved (mg/L)		<0.000050	0.0797	0.0790	0.0765	
	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)		<0.000010	0.000331	0.000021	<0.000010	
	Calcium (Ca)-Dissolved (mg/L)		<0.020	48.5	45.3	40.8	
	Chromium (Cr)-Dissolved (mg/L)		<0.00010	<0.00010	<0.00010	<0.00010	
	Cobalt (Co)-Dissolved (mg/L)		<0.00010	0.00205	0.00030	<0.00010	
	Copper (Cu)-Dissolved (mg/L)		<0.00020	0.00030	0.00026	<0.00020	
	Iron (Fe)-Dissolved (mg/L)		<0.010	0.022	0.031	0.028	
	Lead (Pb)-Dissolved (mg/L)		<0.000050	<0.000050	<0.000050	<0.000050	
	Lithium (Li)-Dissolved (mg/L)		<0.00050	0.00801	0.00862	0.00820	
	Magnesium (Mg)-Dissolved (mg/L)		<0.0050	12.4	10.2	7.88	
	Manganese (Mn)-Dissolved (mg/L)		<0.000050	0.175	0.0431	0.0151	
	Molybdenum (Mo)-Dissolved (mg/L)		<0.000050	0.000762	0.000890	0.000936	
	Nickel (Ni)-Dissolved (mg/L)		<0.00050	0.00389	0.00054	<0.00050	
	Phosphorus (P)-Dissolved (mg/L)		<0.30	<0.30	<0.30	<0.30	
	Potassium (K)-Dissolved (mg/L)		<0.050	1.32	1.17	1.02	

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

ALS ENVIRONMENTAL ANALYTICAL REPORT

	Sample ID	L1436273-1	L1436273-2	L1436273-3	L1436273-4	L1436273-5
Description	Grab	Grab	Grab	Grab	Grab	Grab
Sampled Date	25-MAR-14	25-MAR-14	25-MAR-14	25-MAR-14	25-MAR-14	25-MAR-14
Sampled Time	12:35	12:25	09:35	10:25	11:30	
Client ID	R9	R10	X14	X3A-R	NF2	
Grouping	Analyte					
WATER						
Dissolved Metals	Selenium (Se)-Dissolved (mg/L)	0.00050	0.00052	0.00045	0.00046	0.00049
	Silicon (Si)-Dissolved (mg/L)	6.03	6.03	6.40	6.09	6.16
	Silver (Ag)-Dissolved (mg/L)	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
	Sodium (Na)-Dissolved (mg/L)	3.27	3.31	8.31	3.46	3.53
	Strontium (Sr)-Dissolved (mg/L)	0.199	0.192	0.403	0.227	0.209
	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)	0.00290	0.00277	0.00368	0.00298	0.00290
	Vanadium (V)-Dissolved (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
	Zinc (Zn)-Dissolved (mg/L)	<0.0010	0.0119	0.322	0.591	0.833
	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	L1436273-6	L1436273-7	L1436273-8	L1436273-9	L1436273-10
	Description	Grab	Grab	Grab	Grab	Grab
	Sampled Date	25-MAR-14	25-MAR-14	25-MAR-14	25-MAR-14	25-MAR-14
	Sampled Time	11:00	09:00	11:20	10:45	09:55
	Client ID	NF2-A	R3	NF2-B	X2	X10
Grouping	Analyte					
WATER						
Dissolved Metals	Selenium (Se)-Dissolved (mg/L)	0.00110	0.00045	0.00048	0.00047	0.00044
	Silicon (Si)-Dissolved (mg/L)	10.9	6.17	6.40	6.44	5.95
	Silver (Ag)-Dissolved (mg/L)	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
	Sodium (Na)-Dissolved (mg/L)	10.3	6.21	3.54	3.65	3.45
	Strontium (Sr)-Dissolved (mg/L)	0.410	0.340	0.198	0.212	0.214
	Thallium (Tl)-Dissolved (mg/L)	0.000014	<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)	0.00643	0.00303	0.00276	0.00286	0.00295
	Vanadium (V)-Dissolved (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
	Zinc (Zn)-Dissolved (mg/L)	0.967	0.149	0.176	0.762	0.453
	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	L1436273-11	L1436273-12	L1436273-13	L1436273-14	L1436273-15
		Description	Grab	Grab	Grab	Grab	Grab
		Sampled Date	25-MAR-14	25-MAR-14	25-MAR-14	25-MAR-14	26-MAR-14
		Sampled Time	13:10	10:20	12:10	12:50	09:55
		Client ID	FIELD BLANK	X3A	NF1	R8	TRAVEL BLANK
Grouping	Analyte						
WATER							
Dissolved Metals	Selenium (Se)-Dissolved (mg/L)	<0.00010	0.00045	0.00048	0.00046		
	Silicon (Si)-Dissolved (mg/L)	<0.050	6.06	6.36	6.08		
	Silver (Ag)-Dissolved (mg/L)	<0.000010	<0.000010	<0.000010	<0.000010		
	Sodium (Na)-Dissolved (mg/L)	<0.050	3.51	3.51	3.25		
	Strontium (Sr)-Dissolved (mg/L)	<0.00020	0.217	0.196	0.181		
	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)	<0.000010	0.00294	0.00290	0.00264		
	Vanadium (V)-Dissolved (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010		
	Zinc (Zn)-Dissolved (mg/L)	<0.0010	0.587	0.0239	<0.0010		
	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	Phosphorus (P)-Total	MS-B	L1436273-7
Matrix Spike	Phosphorus (P)-Total	MS-B	L1436273-7

Qualifiers for Individual Parameters Listed:

Qualifier	Description
DLM	Detection Limit Adjusted due to sample matrix effects.
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-WR	Water	Chloride by Ion Chromatography	EPA 300.1
This analysis is carried out using procedures adapted from EPA Method 300.1, "Determination of Inorganic Anions by Ion Chromatography", Revision 1.0, April 1999 and from "Determination of Inorganic Anions in Environmental Waters Using a Hydroxide-Selective Column", Application Note 154 v.19, Dionex 2003.			
ANIONS-F-IC-WR	Water	Fluoride by Ion Chromatography	EPA 300.1
This analysis is carried out using procedures adapted from EPA Method 300.1, "Determination of Inorganic Anions by Ion Chromatography", Revision 1.0, April 1999 and from "Determination of Inorganic Anions in Environmental Waters Using a Hydroxide-Selective Column", Application Note 154 v.19, Dionex 2003.			
ANIONS-NO2-IC-WR	Water	Nitrite Nitrogen by Ion Chromatography	EPA 300.1
This analysis is carried out using procedures adapted from EPA Method 300.1, "Determination of Inorganic Anions by Ion Chromatography", Revision 1.0, April 1999 and from "Determination of Inorganic Anions in Environmental Waters Using a Hydroxide-Selective Column", Application Note 154 v.19, Dionex 2003. Nitrate is detected by UV absorbance.			
ANIONS-NO3-IC-WR	Water	Nitrate Nitrogen by Ion Chromatography	EPA 300.1
This analysis is carried out using procedures adapted from EPA Method 300.1, "Determination of Inorganic Anions by Ion Chromatography", Revision 1.0, April 1999 and from "Determination of Inorganic Anions in Environmental Waters Using a Hydroxide-Selective Column", Application Note 154 v.19, Dionex 2003. Nitrate is detected by UV absorbance.			
ANIONS-SO4-IC-WR	Water	Sulphate by Ion Chromatography	EPA 300.1
This analysis is carried out using procedures adapted from EPA Method 300.1, "Determination of Inorganic Anions by Ion Chromatography", Revision 1.0, April 1999 and from "Determination of Inorganic Anions in Environmental Waters Using a Hydroxide-Selective Column", Application Note 154 v.19, Dionex 2003.			
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-MAN-WR	Water	Conductivity by Meter	APHA 2510 (B)
This analysis is carried out using procedures adapted from APHA Method 2510 "Conductivity". Conductivity is determined using an 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.			
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:			
Ion Balance (%) = [Cation Sum-Anion Sum] / [Cation Sum+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			

Reference Information

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. Waston 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 "Phosphorous". Total Phosphorous is determined colourimetrically after persulphate digestion of the sample.

PH-MAN-WR Water pH by Meter APHA 4500-H (B)

"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."

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-WR Water Total Suspended Solids by Grav. (1 mg/L) APHA 2540 D

This analysis is carried out using procedures adapted from APHA Method 2540 "Solids". Solids are determined gravimetrically. Total Suspended Solids are determined by filtering a sample through a glass fibre filter and 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
WR	ALS ENVIRONMENTAL - WHITEHORSE, YUKON, CANADA
VA	ALS ENVIRONMENTAL - VANCOUVER, BRITISH COLUMBIA, CANADA

Chain of Custody Numbers:

1 2

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.



Chain of Custody (COC) / Analytical Request Form

Canada Toll Free: 1 800 668 9878



L1436273-COFC

COC Number: 14 -

Page ___ of ___

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Report To		Report For		Flow (Rush Turnaround Time (TAT) is not available for all tests)																																																																																																							
Company: EDI		Select Report Format: <input checked="" type="checkbox"/> PDF <input checked="" type="checkbox"/> EXCEL <input checked="" type="checkbox"/> EDD (DIGITAL)		R <input type="checkbox"/> Regular (Standard TAT if received by 3 pm - business days)																																																																																																							
Contact: Meighan Kearns		Quality Control (QC) Report with Report <input type="checkbox"/> Yes <input type="checkbox"/> No		P <input checked="" type="checkbox"/> Priority (2-4 bus. days if received by 3pm) 50% surcharge - contact ALS to confirm TAT																																																																																																							
Address: 2195 - 2nd Avenue Whitehorse, YT Y1A 3T8		<input type="checkbox"/> Criteria on Report - provide details below if box checked		E <input type="checkbox"/> Emergency (1-2 bus. days if received by 3pm) 100% surcharge - contact ALS to confirm TAT																																																																																																							
Phone: 867-393-4882		Select Distribution: <input type="checkbox"/> EMAIL <input type="checkbox"/> MAIL <input type="checkbox"/> FAX		E2 <input type="checkbox"/> Same day or weekend emergency - contact ALS to confirm TAT and surcharge																																																																																																							
Invoice To Same as Report To <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Invoice Distribution		Analysis Request																																																																																																							
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Company: EDI		Email 1 or Fax: sjenner@edynamics.com		<table border="1"> <tr> <td>ALK-COL-VA, P-T-COL-VA, IONBALANCE-V</td> <td>ANIONS-ALL-IC-WR, TDS-CALC-VA</td> <td>EC-MAN-WR, PH-MAN-WR</td> <td>TSS-LOW-WR</td> <td>CARBONS-TOC-VA, NH3-F-VA</td> <td>CARBONS-DOC-VA</td> <td>MET-T-COMS-VA, ZR-T-MS-VA</td> <td>MET-D-COMS-VA, ZR-D-MS-VA</td> <td>HARDNESS-CALC-VA</td> <td rowspan="10" style="writing-mode: vertical-rl; text-orientation: mixed; font-size: 2em; font-weight: bold;">Short Holding Time Rush Processing</td> <td rowspan="10" style="writing-mode: vertical-rl; text-orientation: mixed; font-size: 1.5em; font-weight: bold;">Number of Containers</td> </tr> <tr> <td>P</td><td>P</td><td>P</td><td>P</td><td>P</td><td>P</td><td>P</td><td>P</td><td>P</td> </tr> <tr> <td>P</td><td>P</td><td>P</td><td>P</td><td>P</td><td>P</td><td>P</td><td>P</td><td>P</td> </tr> <tr> <td>P</td><td>P</td><td>P</td><td>P</td><td>P</td><td>P</td><td>P</td><td>P</td><td>P</td> </tr> <tr> <td>P</td><td>P</td><td>P</td><td>P</td><td>P</td><td>P</td><td>P</td><td>P</td><td>P</td> </tr> <tr> <td>P</td><td>P</td><td>P</td><td>P</td><td>P</td><td>P</td><td>P</td><td>P</td><td>P</td> </tr> <tr> <td>P</td><td>P</td><td>P</td><td>P</td><td>P</td><td>P</td><td>P</td><td>P</td><td>P</td> </tr> <tr> <td>P</td><td>P</td><td>P</td><td>P</td><td>P</td><td>P</td><td>P</td><td>P</td><td>P</td> </tr> <tr> <td>P</td><td>P</td><td>P</td><td>P</td><td>P</td><td>P</td><td>P</td><td>P</td><td>P</td> </tr> <tr> <td>P</td><td>P</td><td>P</td><td>P</td><td>P</td><td>P</td><td>P</td><td>P</td><td>P</td> </tr> </table>												ALK-COL-VA, P-T-COL-VA, IONBALANCE-V	ANIONS-ALL-IC-WR, TDS-CALC-VA	EC-MAN-WR, PH-MAN-WR	TSS-LOW-WR	CARBONS-TOC-VA, NH3-F-VA	CARBONS-DOC-VA	MET-T-COMS-VA, ZR-T-MS-VA	MET-D-COMS-VA, ZR-D-MS-VA	HARDNESS-CALC-VA	Short Holding Time Rush Processing	Number of Containers	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
ALK-COL-VA, P-T-COL-VA, IONBALANCE-V	ANIONS-ALL-IC-WR, TDS-CALC-VA	EC-MAN-WR, PH-MAN-WR	TSS-LOW-WR													CARBONS-TOC-VA, NH3-F-VA	CARBONS-DOC-VA	MET-T-COMS-VA, ZR-T-MS-VA	MET-D-COMS-VA, ZR-D-MS-VA	HARDNESS-CALC-VA	Short Holding Time Rush Processing	Number of Containers																																																																																					
P	P	P	P													P	P	P	P	P																																																																																							
P	P	P	P													P	P	P	P	P																																																																																							
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P	P	P	P													P	P	P	P	P																																																																																							
P	P	P	P	P	P	P	P	P																																																																																																			
Project Information		Oil and Gas Required Fields (client use)																																																																																																									
ALS Quote #: Q38556		Approver ID:																																																																																																									
Job #: 13-Y-0452		Cost Center:																																																																																																									
PO / AFE:		GL Account:																																																																																																									
LSD:		Routing Code:																																																																																																									
ALS Lab Work Order # (lab use only)		ALS Contact:																																																																																																									
		Sampler: JM/BS																																																																																																									
ALS Sample # (lab use only)		Sample Identification and/or Coordinates (This description will appear on the report)		Date (dd-mmm-yy)		Time (hh:mm)		Sample Type																																																																																																			
R9				25 MAR 14		12:35		GRAB																																																																																																			
R10				"		12:25		"																																																																																																			
X14				"		09:35		"																																																																																																			
X34-r				"		10:25		"																																																																																																			
NF2				"		11:30		"																																																																																																			
NF2-A				"		11:00		"																																																																																																			
R3				"		09:00		"																																																																																																			
Drinking Water (DW) Samples ¹ (client use)		Special Instructions / Specify Criteria to add on report (client Use)		SAMPLE CONDITION AS RECEIVED (lab use only)																																																																																																							
Are samples taken from a Regulated DW System? <input type="checkbox"/> Yes <input type="checkbox"/> No		Use CH2M_EQUIS for EDD.		Frozen <input type="checkbox"/> SIF Observations Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>																																																																																																							
Are samples for human drinking water use? <input type="checkbox"/> Yes <input type="checkbox"/> No				Ice packs Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Custody seal intact Yes <input type="checkbox"/> No <input type="checkbox"/>																																																																																																							
				Cooling Initiated <input type="checkbox"/>																																																																																																							
				INITIAL COOLER TEMPERATURES °C				FINAL COOLER TEMPERATURES °C																																																																																																			
				0.5 0.1				3.5 °C																																																																																																			
SHIPMENT RELEASE (client use)				INITIAL SHIPMENT RECEPTION (lab use only)				FINAL SHIPMENT RECEPTION (lab use only)																																																																																																			
Released by:		Date:		Time:		Received by:		Date:		Time:																																																																																																	
						Paige		Mar 27		14:25																																																																																																	



Report To		Report Format / Distribution			Select one or two levels below (Rush Turnaround Time (TAT) is not available for all tests)															
Company: EDI		Select Report Format: <input checked="" type="checkbox"/> PDF <input checked="" type="checkbox"/> EXCEL <input checked="" type="checkbox"/> EDD (DIGITAL)			R <input type="checkbox"/> Regular (Standard TAT if received by 3 pm - business days)															
Contact: Meighan Kearns		Quality Control (QC) Report with Report <input type="checkbox"/> Yes <input type="checkbox"/> No			P <input checked="" type="checkbox"/> Priority (2-4 bus. days if received by 3pm) 50% surcharge - contact ALS to confirm TAT															
Address: 2195 - 2nd Avenue Whitehorse, YT Y1A 3T8		<input type="checkbox"/> Criteria on Report - provide details below if box checked			E <input type="checkbox"/> Emergency (1-2 bus. days if received by 3pm) 100% surcharge - contact ALS to confirm TAT															
Phone: 867-393-4882		Select Distribution: <input type="checkbox"/> EMAIL <input type="checkbox"/> MAIL <input type="checkbox"/> FAX			E2 <input type="checkbox"/> Same day or weekend emergency - contact ALS to confirm TAT and surcharge															
		Email 1 or Fax: mkearns@edynamics.com			Specify Date Required for E2, E or P: _____															
		Email 2: adrienne.turcotte@gov.yk.ca			Analysis Request															
Invoice To Same as Report To <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Invoice Distribution			Indicate Filtered (F), Preserved (P) or Filtered and Preserved (F/P) below															
Copy of Invoice with Report <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Select Invoice Distribution: <input type="checkbox"/> EMAIL <input type="checkbox"/> MAIL <input type="checkbox"/> FAX																		
Company: EDI		Email 1 or Fax: sjenner@edynamics.com																		
Contact: S Jenner		Email 2: _____																		
Project Information		Oil and Gas Required Fields (client use)																		
ALS Quote #: Q38556		Approver ID: _____ Cost Center: _____																		
Job #: 13-Y-0452		GL Account: _____ Routing Code: _____																		
PO / AFE: _____		Activity Code: _____																		
LSD: _____		Location: _____																		
ALS Lab Work Order # (lab use only)		ALS Contact: _____																		
		Sampler: JM/BSA																		
ALS Sample # (lab use only)	Sample Identification and/or Coordinates (This description will appear on the report)			Date (dd-mmm-yy)	Time (hh:mm)	Sample Type														
	NF2-B3			25 Mar 14	11:20	GRAB	P	P	P	P	P	P	P	P	P	Short Holding Time Rush Processing		Number of Containers		
	X2			"	10:45	"	P													
	X10			"	09:55	"	P													
	Field Blank			"	13:10	"	P													
	X3A			"	10:20	"	P													
	NF1			"	12:10	"	P													
	R8			"	12:50	"	P													
	TRAVEL BLANK			-	-	-														
Drinking Water (DW) Samples¹ (client use)		Special Instructions / Specify Criteria to add on report (client use)			SAMPLE CONDITION AS RECEIVED (lab use only)															
Are samples taken from a Regulated DW System? <input type="checkbox"/> Yes <input type="checkbox"/> No		Use CH2M_EQUIS for EDD.			Frozen <input type="checkbox"/> SIF Observations Yes <input type="checkbox"/> No <input type="checkbox"/>															
Are samples for human drinking water use? <input type="checkbox"/> Yes <input type="checkbox"/> No					Ice packs Yes <input type="checkbox"/> No <input type="checkbox"/> Custody seal intact Yes <input type="checkbox"/> No <input type="checkbox"/>															
					Cooling Initiated <input type="checkbox"/>															
					INITIAL COOLER TEMPERATURES °C					FINAL COOLER TEMPERATURES °C										
										3.5°C										
SHIPMENT RELEASE (client use)				INITIAL SHIPMENT RECEPTION (lab use only)				FINAL SHIPMENT RECEPTION (lab use only)												
Released by: _____		Date: _____	Time: _____	Received by: _____		Date: _____	Time: _____	Received by: Paige		Date: Mar 27		Time: 14:25								