



ENVIRONMENTAL DYNAMICS INC.
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Date Received: 06-MAR-14
Report Date: 11-MAR-14 13:39 (MT)
Version: FINAL

Client Phone: 867-393-4882

Certificate of Analysis

Lab Work Order #: L1429448
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	L1429448-1 Grab 05-MAR-14 15:10 X2-R	L1429448-2 Grab 05-MAR-14 16:00 NF2-A	L1429448-3 Grab 05-MAR-14 14:45 X3A	L1429448-4 Grab 05-MAR-14 13:30 R3	L1429448-5 Grab 05-MAR-14 15:35 NF2
Grouping	Analyte					
WATER						
Physical Tests	Conductivity (uS/cm)	325	748	333	539	351
	Hardness (as CaCO3) (mg/L)	165	430	167	351	155
	pH (pH)	7.60	8.11	7.81	7.86	7.60
	Total Suspended Solids (mg/L)	<1.0	2.0	<1.0	1.0	<1.0
	Total Dissolved Solids (mg/L)	198	521	198	455	192
Anions and Nutrients	Alkalinity, Total (as CaCO3) (mg/L)	145	394	147	180	147
	Ammonia, Total (as N) (mg/L)	0.0074	0.0239	0.0091	0.0512	0.0083
	Chloride (Cl) (mg/L)	<0.50	0.55	<0.50	<0.50	<0.50
	Fluoride (F) (mg/L)	0.199	0.451	0.186	0.131	0.205
	Nitrate (as N) (mg/L)	0.308	1.25	0.295	0.258	0.347
	Nitrite (as N) (mg/L)	<0.0010	0.0046	<0.0010	<0.0010	<0.0010
	Phosphorus (P)-Total (mg/L)	0.0031	0.0095	0.0035	<0.0020	0.0047
	Sulfate (SO4) (mg/L)	44.7	106	42.1	208	40.3
	Anion Sum (meq/L)	3.86	10.2	3.84	7.96	3.81
	Cation Sum (meq/L)	3.52	9.18	3.55	7.39	3.33
	Cation - Anion Balance (%)	-4.7	-5.4	-3.9	-3.7	-6.7
Organic / Inorganic Carbon	Dissolved Organic Carbon (mg/L)	1.45	3.69	1.39	1.28	1.34
	Total Organic Carbon (mg/L)	1.31	3.63	1.35	1.18	1.38
Total Metals	Aluminum (Al)-Total (mg/L)	0.0186	0.0466	0.0099	0.0058	0.0187
	Antimony (Sb)-Total (mg/L)	<0.00010	0.00018	<0.00010	<0.00010	<0.00010
	Arsenic (As)-Total (mg/L)	0.00043	0.00101	0.00031	0.00019	0.00047
	Barium (Ba)-Total (mg/L)	0.0766	0.174	0.0766	0.0849	0.0777
	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)	0.000660	0.000962	0.000482	0.000127	0.000710
	Calcium (Ca)-Total (mg/L)	45.3	125	47.4	106	45.5
	Chromium (Cr)-Total (mg/L)	0.00011	0.00025	0.00012	0.00013	0.00014
	Cobalt (Co)-Total (mg/L)	0.00420	0.00688	0.00278	0.00161	0.00459
	Copper (Cu)-Total (mg/L)	0.00051	0.00120	0.00055	<0.00050	<0.00050
	Iron (Fe)-Total (mg/L)	0.269	0.213	0.156	0.127	0.209
	Lead (Pb)-Total (mg/L)	0.000376	0.00129	0.000226	0.000159	0.000362
	Lithium (Li)-Total (mg/L)	0.00805	0.0221	0.00747	0.00587	0.00830
	Magnesium (Mg)-Total (mg/L)	12.4	30.2	12.0	22.4	11.6
	Manganese (Mn)-Total (mg/L)	0.294	0.388	0.223	2.20	0.256
	Molybdenum (Mo)-Total (mg/L)	0.000814	0.00234	0.00128	0.000517	0.000892

* 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	L1429448-6 Grab 05-MAR-14 15:35 NF2B	L1429448-7 Grab 05-MAR-14 14:00 X14	L1429448-8 Grab 05-MAR-14 16:50 NF1	L1429448-9 N/A 06-MAR-14 TRAVEL BLANK	L1429448-10 Grab 05-MAR-14 14:30 X10
Grouping	Analyte					
WATER						
Physical Tests	Conductivity (uS/cm)	305	790	260	<2.0	359
	Hardness (as CaCO3) (mg/L)	149	464	153	<0.50	172
	pH (pH)	7.70	7.65	7.70	6.22	7.63
	Total Suspended Solids (mg/L)	<1.0	2.0	<1.0	<1.0	1.0
	Total Dissolved Solids (mg/L)	172	622	176	<1.0	215
Anions and Nutrients	Alkalinity, Total (as CaCO3) (mg/L)	139	203	144	<2.0	160
	Ammonia, Total (as N) (mg/L)	<0.0050	0.123	0.0066	<0.0050	0.0445
	Chloride (Cl) (mg/L)	<0.50	0.54	<0.50	<0.50	1.63
	Fluoride (F) (mg/L)	0.180	0.161	0.184	<0.020	0.163
	Nitrate (as N) (mg/L)	0.317	0.236	0.328	<0.0050	0.371
	Nitrite (as N) (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
	Phosphorus (P)-Total (mg/L)	0.0044	<0.0020	0.0057	<0.0020	0.0079
	Sulfate (SO4) (mg/L)	27.1	313	26.4	<0.50	43.2
	Anion Sum (meq/L)	3.38	10.6	3.46	<0.10	4.17
	Cation Sum (meq/L)	3.15	9.94	3.23	<0.10	3.72
	Cation - Anion Balance (%)	-3.5	-3.3	-3.5	0.0	-5.7
Organic / Inorganic Carbon	Dissolved Organic Carbon (mg/L)	1.24	1.34	1.37		4.22
	Total Organic Carbon (mg/L)	1.33	1.43	1.30	<0.50	4.41
Total Metals	Aluminum (Al)-Total (mg/L)	0.0160	0.0232	0.0078	<0.0030	0.0134
	Antimony (Sb)-Total (mg/L)	<0.00010	<0.00010	<0.00010	<0.00010	0.00019
	Arsenic (As)-Total (mg/L)	0.00045	0.00043	0.00052	<0.00010	0.00028
	Barium (Ba)-Total (mg/L)	0.0749	0.0684	0.0770	<0.000050	0.0814
	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)	0.000130	0.000271	0.000020	<0.000010	0.000299
	Calcium (Ca)-Total (mg/L)	43.0	134	45.2	<0.020	49.7
	Chromium (Cr)-Total (mg/L)	0.00041	0.00021	0.00014	<0.00010	0.00048
	Cobalt (Co)-Total (mg/L)	0.00085	0.00419	0.00022	<0.00010	0.00096
	Copper (Cu)-Total (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	0.00257
	Iron (Fe)-Total (mg/L)	0.143	0.882	0.151	<0.010	0.128
	Lead (Pb)-Total (mg/L)	0.000273	0.000225	0.000172	<0.000050	0.000424
	Lithium (Li)-Total (mg/L)	0.00758	0.00866	0.00774	<0.00050	0.00728
	Magnesium (Mg)-Total (mg/L)	9.54	28.5	9.29	<0.0050	11.9
	Manganese (Mn)-Total (mg/L)	0.0574	5.45	0.0455	<0.000050	0.0990
	Molybdenum (Mo)-Total (mg/L)	0.000844	0.000746	0.000952	<0.000050	0.000715

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ALS ENVIRONMENTAL ANALYTICAL REPORT

	Sample ID	L1429448-11	L1429448-12	L1429448-13	L1429448-14	L1429448-15
	Description	Grab	Grab	Grab	Grab	N/A
	Sampled Date	05-MAR-14	05-MAR-14	05-MAR-14	05-MAR-14	05-MAR-14
	Sampled Time	15:10	17:55	17:05	17:35	18:50
	Client ID	X2	R8	R10	R9	FIELD BLANK
Grouping	Analyte					
WATER						
Physical Tests	Conductivity (uS/cm)	337	265	298	299	<2.0
	Hardness (as CaCO3) (mg/L)	166	130	147	144	<0.50
	pH (pH)	7.54	7.92	7.76	7.85	6.04
	Total Suspended Solids (mg/L)	<1.0	<1.0	<1.0	<1.0	<1.0
	Total Dissolved Solids (mg/L)	198	146	168	164	<1.0
Anions and Nutrients	Alkalinity, Total (as CaCO3) (mg/L)	144	136	139	135	<2.0
	Ammonia, Total (as N) (mg/L)	0.0072	0.0079	0.0052	0.0061	<0.0050
	Chloride (Cl) (mg/L)	<0.50	<0.50	<0.50	<0.50	<0.50
	Fluoride (F) (mg/L)	0.197	0.178	0.180	0.180	<0.020
	Nitrate (as N) (mg/L)	0.309	0.192	0.309	0.310	<0.0050
	Nitrite (as N) (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
	Phosphorus (P)-Total (mg/L)	0.0034	0.0055	0.0050	0.0054	<0.0020
	Sulfate (SO4) (mg/L)	44.8	10.3	24.5	24.1	<0.50
	Anion Sum (meq/L)	3.84	2.96	3.32	3.22	<0.10
	Cation Sum (meq/L)	3.53	2.76	3.11	3.04	<0.10
	Cation - Anion Balance (%)	-4.2	-3.4	-3.3	-3.0	0.0
Organic / Inorganic Carbon	Dissolved Organic Carbon (mg/L)	1.23	1.19	1.12	1.11	<0.50
	Total Organic Carbon (mg/L)	1.41	1.30	1.15	1.10	<0.50
Total Metals	Aluminum (Al)-Total (mg/L)	0.0201	0.0073	0.0112	0.0141	<0.0030
	Antimony (Sb)-Total (mg/L)	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
	Arsenic (As)-Total (mg/L)	0.00043	0.00055	0.00056	0.00057	<0.00010
	Barium (Ba)-Total (mg/L)	0.0773	0.0784	0.0770	0.0770	<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)	0.000658	<0.000010	0.000017	<0.000010	<0.000010
	Calcium (Ca)-Total (mg/L)	46.5	41.0	44.3	43.8	<0.020
	Chromium (Cr)-Total (mg/L)	0.00010	0.00012	0.00012	0.00012	<0.00010
	Cobalt (Co)-Total (mg/L)	0.00426	<0.00010	<0.00010	<0.00010	<0.00010
	Copper (Cu)-Total (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
	Iron (Fe)-Total (mg/L)	0.294	0.126	0.128	0.135	<0.010
	Lead (Pb)-Total (mg/L)	0.000439	<0.000050	0.000081	0.000079	<0.000050
	Lithium (Li)-Total (mg/L)	0.00842	0.00742	0.00768	0.00758	<0.00050
	Magnesium (Mg)-Total (mg/L)	12.2	7.49	8.95	8.96	<0.0050
	Manganese (Mn)-Total (mg/L)	0.290	0.0217	0.0251	0.0230	<0.000050
	Molybdenum (Mo)-Total (mg/L)	0.000860	0.000927	0.000895	0.000926	<0.000050

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ALS ENVIRONMENTAL ANALYTICAL REPORT

		Sample ID	L1429448-1	L1429448-2	L1429448-3	L1429448-4	L1429448-5
		Description	Grab	Grab	Grab	Grab	Grab
		Sampled Date	05-MAR-14	05-MAR-14	05-MAR-14	05-MAR-14	05-MAR-14
		Sampled Time	15:10	16:00	14:45	13:30	15:35
		Client ID	X2-R	NF2-A	X3A	R3	NF2
Grouping	Analyte						
WATER							
Total Metals	Nickel (Ni)-Total (mg/L)		0.00672	0.0113	0.00531	0.00483	0.00667
	Phosphorus (P)-Total (mg/L)		<0.30	<0.30	<0.30	<0.30	<0.30
	Potassium (K)-Total (mg/L)		1.16	3.36	1.21	1.78	1.10
	Selenium (Se)-Total (mg/L)		0.00041	0.00126	0.00043	0.00039	0.00045
	Silicon (Si)-Total (mg/L)		5.71	16.2	5.68	5.74	5.93
	Silver (Ag)-Total (mg/L)		<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
	Sodium (Na)-Total (mg/L)		3.35	10.1	3.28	5.89	3.31
	Strontium (Sr)-Total (mg/L)		0.201	0.546	0.214	0.333	0.204
	Thallium (Tl)-Total (mg/L)		<0.000010	0.000014	<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)		0.00270	0.00768	0.00293	0.00296	0.00290
	Vanadium (V)-Total (mg/L)		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
	Zinc (Zn)-Total (mg/L)		1.00	1.44	0.796	0.161	1.03
	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)		0.0039	0.0020	0.0023	<0.0010	0.0033
	Antimony (Sb)-Dissolved (mg/L)		<0.00010	0.00016	<0.00010	<0.00010	<0.00010
	Arsenic (As)-Dissolved (mg/L)		0.00021	0.00077	0.00019	0.00013	0.00032
	Barium (Ba)-Dissolved (mg/L)		0.0774	0.174	0.0747	0.0851	0.0805
	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)		0.000626	0.000933	0.000473	0.000116	0.000669
	Calcium (Ca)-Dissolved (mg/L)		44.8	123	47.3	104	42.8
	Chromium (Cr)-Dissolved (mg/L)		<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
	Cobalt (Co)-Dissolved (mg/L)		0.00407	0.00677	0.00270	0.00156	0.00451
	Copper (Cu)-Dissolved (mg/L)		0.00027	0.00091	0.00028	0.00033	0.00027
	Iron (Fe)-Dissolved (mg/L)		0.078	<0.010	0.020	<0.010	0.099
	Lead (Pb)-Dissolved (mg/L)		<0.000050	0.000098	<0.000050	<0.000050	<0.000050
	Lithium (Li)-Dissolved (mg/L)		0.00871	0.0223	0.00758	0.00601	0.00859
	Magnesium (Mg)-Dissolved (mg/L)		12.8	30.0	12.0	22.0	11.7
	Manganese (Mn)-Dissolved (mg/L)		0.299	0.387	0.217	2.18	0.267
	Molybdenum (Mo)-Dissolved (mg/L)		0.000817	0.00218	0.000703	0.000505	0.000815
	Nickel (Ni)-Dissolved (mg/L)		0.00648	0.0112	0.00500	0.00474	0.00664
	Phosphorus (P)-Dissolved (mg/L)		<0.30	<0.30	<0.30	<0.30	<0.30
	Potassium (K)-Dissolved (mg/L)		1.17	3.36	1.18	1.78	1.13

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ALS ENVIRONMENTAL ANALYTICAL REPORT

		Sample ID	L1429448-6	L1429448-7	L1429448-8	L1429448-9	L1429448-10
		Description	Grab	Grab	Grab	N/A	Grab
		Sampled Date	05-MAR-14	05-MAR-14	05-MAR-14	06-MAR-14	05-MAR-14
		Sampled Time	15:35	14:00	16:50		14:30
		Client ID	NF2B	X14	NF1	TRAVEL BLANK	X10
Grouping	Analyte						
WATER							
Total Metals	Nickel (Ni)-Total (mg/L)		0.00146	0.0107	0.00056	<0.00050	0.00460
	Phosphorus (P)-Total (mg/L)		<0.30	<0.30	<0.30	<0.30	<0.30
	Potassium (K)-Total (mg/L)		1.04	2.10	1.07	<0.050	1.95
	Selenium (Se)-Total (mg/L)		0.00042	0.00040	0.00045	<0.00010	0.00041
	Silicon (Si)-Total (mg/L)		5.82	6.09	6.01	<0.050	5.70
	Silver (Ag)-Total (mg/L)		<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
	Sodium (Na)-Total (mg/L)		3.13	7.86	3.22	<0.050	4.24
	Strontium (Sr)-Total (mg/L)		0.192	0.408	0.201	<0.00020	0.224
	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	0.00019
	Titanium (Ti)-Total (mg/L)		<0.010	<0.010	<0.010	<0.010	<0.010
	Uranium (U)-Total (mg/L)		0.00275	0.00358	0.00288	<0.000010	0.00297
	Vanadium (V)-Total (mg/L)		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
	Zinc (Zn)-Total (mg/L)		0.189	0.370	0.0158	<0.0030	0.581
	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)		0.0126	0.0015	0.0012		0.0033
	Antimony (Sb)-Dissolved (mg/L)		<0.00010	<0.00010	<0.00010		0.00015
	Arsenic (As)-Dissolved (mg/L)		0.00030	0.00027	0.00034		0.00018
	Barium (Ba)-Dissolved (mg/L)		0.0758	0.0704	0.0777		0.0793
	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)		0.000115	0.000274	0.000019		0.000306
	Calcium (Ca)-Dissolved (mg/L)		44.3	139	46.2		48.8
	Chromium (Cr)-Dissolved (mg/L)		<0.00010	<0.00010	<0.00010		0.00014
	Cobalt (Co)-Dissolved (mg/L)		0.00079	0.00428	0.00020		0.00096
	Copper (Cu)-Dissolved (mg/L)		0.00024	0.00027	0.00023		0.00232
	Iron (Fe)-Dissolved (mg/L)		0.031	0.697	0.030		0.016
	Lead (Pb)-Dissolved (mg/L)		<0.000050	<0.000050	<0.000050		0.000167
	Lithium (Li)-Dissolved (mg/L)		0.00810	0.00904	0.00835		0.00722
	Magnesium (Mg)-Dissolved (mg/L)		9.36	28.7	9.21		12.3
	Manganese (Mn)-Dissolved (mg/L)		0.0538	5.54	0.0402		0.101
	Molybdenum (Mo)-Dissolved (mg/L)		0.000835	0.000762	0.000900		0.000640
	Nickel (Ni)-Dissolved (mg/L)		0.00135	0.0107	<0.00050		0.00468
	Phosphorus (P)-Dissolved (mg/L)		<0.30	<0.30	<0.30		<0.30
	Potassium (K)-Dissolved (mg/L)		1.03	2.15	1.05		2.20

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ALS ENVIRONMENTAL ANALYTICAL REPORT

		Sample ID	L1429448-11	L1429448-12	L1429448-13	L1429448-14	L1429448-15
		Description	Grab	Grab	Grab	Grab	N/A
		Sampled Date	05-MAR-14	05-MAR-14	05-MAR-14	05-MAR-14	05-MAR-14
		Sampled Time	15:10	17:55	17:05	17:35	18:50
		Client ID	X2	R8	R10	R9	FIELD BLANK
Grouping	Analyte						
WATER							
Total Metals	Nickel (Ni)-Total (mg/L)		0.00673	<0.00050	<0.00050	<0.00050	<0.00050
	Phosphorus (P)-Total (mg/L)		<0.30	<0.30	<0.30	<0.30	<0.30
	Potassium (K)-Total (mg/L)		1.17	0.981	1.06	1.05	<0.050
	Selenium (Se)-Total (mg/L)		0.00042	0.00043	0.00044	0.00046	<0.00010
	Silicon (Si)-Total (mg/L)		6.07	5.70	5.96	5.92	<0.050
	Silver (Ag)-Total (mg/L)		<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
	Sodium (Na)-Total (mg/L)		3.43	3.12	3.14	3.17	<0.050
	Strontium (Sr)-Total (mg/L)		0.211	0.183	0.196	0.195	<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)		0.00285	0.00260	0.00288	0.00287	<0.000010
	Vanadium (V)-Total (mg/L)		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
	Zinc (Zn)-Total (mg/L)		1.03	<0.0030	0.0069	<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	FIELD
	Aluminum (Al)-Dissolved (mg/L)		0.0026	0.0010	0.0018	0.0010	<0.0010
	Antimony (Sb)-Dissolved (mg/L)		<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
	Arsenic (As)-Dissolved (mg/L)		0.00020	0.00040	0.00039	0.00038	<0.00010
	Barium (Ba)-Dissolved (mg/L)		0.0767	0.0755	0.0760	0.0756	<0.000050
	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)		0.000649	<0.000010	0.000013	<0.000010	<0.000010
	Calcium (Ca)-Dissolved (mg/L)		46.3	40.2	44.2	43.0	<0.020
	Chromium (Cr)-Dissolved (mg/L)		<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
	Cobalt (Co)-Dissolved (mg/L)		0.00410	<0.00010	<0.00010	<0.00010	<0.00010
	Copper (Cu)-Dissolved (mg/L)		0.00023	<0.00020	0.00022	0.00021	<0.00020
	Iron (Fe)-Dissolved (mg/L)		0.079	0.026	0.024	0.020	<0.010
	Lead (Pb)-Dissolved (mg/L)		<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Lithium (Li)-Dissolved (mg/L)		0.00880	0.00762	0.00807	0.00775	<0.00050
	Magnesium (Mg)-Dissolved (mg/L)		12.1	7.31	8.98	8.87	<0.0050
	Manganese (Mn)-Dissolved (mg/L)		0.289	0.0194	0.0225	0.0202	<0.000050
	Molybdenum (Mo)-Dissolved (mg/L)		0.000809	0.000875	0.000849	0.000863	<0.000050
	Nickel (Ni)-Dissolved (mg/L)		0.00654	<0.00050	<0.00050	<0.00050	<0.00050
	Phosphorus (P)-Dissolved (mg/L)		<0.30	<0.30	<0.30	<0.30	<0.30
	Potassium (K)-Dissolved (mg/L)		1.14	0.953	1.05	1.02	<0.050

* 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	L1429448-1	L1429448-2	L1429448-3	L1429448-4	L1429448-5
					Grab	Grab	Grab	Grab	Grab
		05-MAR-14	15:10	X2-R	05-MAR-14	05-MAR-14	05-MAR-14	05-MAR-14	05-MAR-14
					15:10	16:00	14:45	13:30	15:35
					X2-R	NF2-A	X3A	R3	NF2
Grouping	Analyte								
WATER									
Dissolved Metals	Selenium (Se)-Dissolved (mg/L)	0.00043	0.00147	0.00044	0.00042	0.00048			
	Silicon (Si)-Dissolved (mg/L)	6.13	15.6	5.71	5.64	6.12			
	Silver (Ag)-Dissolved (mg/L)	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010			
	Sodium (Na)-Dissolved (mg/L)	3.49	10.1	3.21	5.75	3.55			
	Strontium (Sr)-Dissolved (mg/L)	0.205	0.531	0.212	0.332	0.196			
	Thallium (Tl)-Dissolved (mg/L)	<0.000010	0.000013	<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	0.00732	0.00282	0.00288	0.00283			
	Vanadium (V)-Dissolved (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010			
	Zinc (Zn)-Dissolved (mg/L)	1.01	1.40	0.799	0.159	1.06			
	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

11-MAR-14 13:39 (MT)

Version: FINAL

		Sample ID	L1429448-6	L1429448-7	L1429448-8	L1429448-9	L1429448-10
		Description	Grab	Grab	Grab	N/A	Grab
		Sampled Date	05-MAR-14	05-MAR-14	05-MAR-14	06-MAR-14	05-MAR-14
		Sampled Time	15:35	14:00	16:50		14:30
		Client ID	NF2B	X14	NF1	TRAVEL BLANK	X10
Grouping	Analyte						
WATER							
Dissolved Metals	Selenium (Se)-Dissolved (mg/L)		0.00046	0.00043	0.00046		0.00046
	Silicon (Si)-Dissolved (mg/L)		5.88	6.18	6.07		5.64
	Silver (Ag)-Dissolved (mg/L)		<0.000010	<0.000010	<0.000010		<0.000010
	Sodium (Na)-Dissolved (mg/L)		3.07	7.90	3.17		4.52
	Strontium (Sr)-Dissolved (mg/L)		0.195	0.420	0.203		0.217
	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)		0.00275	0.00374	0.00287		0.00278
	Vanadium (V)-Dissolved (mg/L)		<0.0010	<0.0010	<0.0010		<0.0010
	Zinc (Zn)-Dissolved (mg/L)		0.184	0.376	0.0149		0.611
	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	L1429448-11	L1429448-12	L1429448-13	L1429448-14	L1429448-15
					Grab	Grab	Grab	Grab	N/A
		05-MAR-14	15:10	X2	05-MAR-14	05-MAR-14	05-MAR-14	05-MAR-14	05-MAR-14
					17:55	17:55	17:05	17:35	18:50
					R8	R8	R10	R9	FIELD BLANK
Grouping	Analyte								
WATER									
Dissolved Metals	Selenium (Se)-Dissolved (mg/L)	0.00047	0.00045	0.00048	0.00046	<0.00010			
	Silicon (Si)-Dissolved (mg/L)	5.87	5.88	5.99	5.93	<0.050			
	Silver (Ag)-Dissolved (mg/L)	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010			
	Sodium (Na)-Dissolved (mg/L)	3.37	3.01	3.16	3.09	<0.050			
	Strontium (Sr)-Dissolved (mg/L)	0.207	0.176	0.194	0.188	<0.00020			
	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)	0.00274	0.00253	0.00281	0.00278	<0.000010			
	Vanadium (V)-Dissolved (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010			
	Zinc (Zn)-Dissolved (mg/L)	1.02	<0.0010	0.0072	<0.0010	<0.0010			
	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.

Reference Information

QC Samples with Qualifiers & Comments:

QC Type Description	Parameter	Qualifier	Applies to Sample Number(s)
Matrix Spike	Sulfate (SO4)	MS-B	L1429448-1, -10, -11, -12, -13, -14, -15, -2, -3, -4, -5, -6, -7, -8, -9
Matrix Spike	Barium (Ba)-Total	MS-B	L1429448-1, -10, -11, -12, -13, -14, -2, -3, -4, -5, -6, -7, -8
Matrix Spike	Calcium (Ca)-Total	MS-B	L1429448-1, -10, -11, -12, -13, -14, -2, -3, -4, -5, -6, -7, -8
Matrix Spike	Copper (Cu)-Total	MS-B	L1429448-1, -10, -11, -12, -13, -14, -2, -3, -4, -5, -6, -7, -8
Matrix Spike	Magnesium (Mg)-Total	MS-B	L1429448-1, -10, -11, -12, -13, -14, -2, -3, -4, -5, -6, -7, -8
Matrix Spike	Sodium (Na)-Total	MS-B	L1429448-1, -10, -11, -12, -13, -14, -2, -3, -4, -5, -6, -7, -8
Matrix Spike	Strontium (Sr)-Total	MS-B	L1429448-1, -10, -11, -12, -13, -14, -2, -3, -4, -5, -6, -7, -8

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-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:			

Reference Information

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 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 "Phosphorus". 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
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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.



ALS Environmental

www.alsglobal.com

Chain of Custody (COC) / Analytical Request Form

Canada Toll Free: 1 800 668 9878



L1429448-COFC

COC Number: 14 -

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Report To	Report Format	Low (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: 2185 - 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		

Invoice To	Invoice Distribution	Analysis Request	
Same as Report To <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Select Invoice Distribution: <input type="checkbox"/> EMAIL <input type="checkbox"/> MAIL <input type="checkbox"/> FAX	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	Email 1 or Fax: sjenner@edynamics.com		
Company: EDI	Email 2:		
Contact: S Jenner			

Project Information		Oil and Gas Required Fields (client use)	
ALS Quote #: Q38656	Approver ID:	Cost Center:	
Job #: EC13-Y-0452	GL/Account:	Routing Code:	
PO/AFE:	Activity Code:		
LSD:	Location:		
	ALS Contact: MEIGHAN	Sampler: CAVAN / SOIL	

ALS Sample (Label only)	Sample Identification and/or Coordinates (This description will appear on the report)	Date (dd-mmm-yy)	Time (hh:mm)	Sample Type	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-COMIS-VA, ZR-T-MS-VA	MET-D-COMIS-VA, ZR-D-MS-VA	HARDNESS-CALC-VA	Number of Containers
	X2-r	05-MAR-14		GRAV	P	P	P	P	P	P	P	P	P	5
	NF2-A	"	1600	"										
	X3A	"	1445	"										
	R3	"	1330	"										
	NF2	"	1545	"										
	NF2B	"	1535	"										
	X14	"	1400	"	↓	↓	↓	↓	↓	↓	↓	↓		

Drinking Water (DW) Samples¹ (client use)	Special Instructions / Specify Criteria to add on report (client Use)	SAMPLE CONDITION AS RECEIVED (Reception only)	
Are samples taken from a Regulated DW System? <input type="checkbox"/> Yes <input type="checkbox"/> No	Use CH2M_EQUIS for EDD.	Temperature: <input type="checkbox"/> Yes <input type="checkbox"/> No	SIF Observation: <input type="checkbox"/> Yes <input type="checkbox"/> No
Are samples for human drinking water use? <input type="checkbox"/> Yes <input type="checkbox"/> No		Contaminated: <input type="checkbox"/> Yes <input type="checkbox"/> No	Discoloration: <input type="checkbox"/> Yes <input type="checkbox"/> No
		INITIAL COOLER TEMPERATURES (C):	FINAL COOLER TEMPERATURES (C):

SHIPMENT RELEASE (client use)			INITIAL SHIPMENT RECEPTION (Reception only)			FINAL SHIPMENT RECEPTION (Reception only)		
Released by: LAMAR GAGNE	Date: 06 MARCH	Time:	Received by:	Date:	Time:	Received by:	Date:	Time:



ALS Environmental

Chain of Custody (COC) / Analytical Request Form

Canada Toll Free: 1 800 668 9878

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L1429448-COFC

COC Number: 14 -

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Report To	Report Format /	Select Service Level 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 mkeams@edynamics.com	Specify Date Required for E2,E or P:
	Email 2 adrienne.turcotte@gov.yk.ca	

Invoice To	Invoice Distribution	Analysis Request
Same as Report To <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Select Invoice Distribution: <input type="checkbox"/> EMAIL <input type="checkbox"/> MAIL <input type="checkbox"/> FAX	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	Email 1 or Fax sjenner@edynamics.com	
Company: EDI	Email 2	
Contact: S Jenner		
Project Information	Oil and Gas Required Fields (client use)	
ALS Quote #: Q38556	Approver ID:	
Job #: 13-Y-0452	GL Account:	
PO / AFE:	Activity Code:	
LSD:	Location:	

ALS Lab Work Order # (lab use only)	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	ALK-COL-VA, P-T-COL-VA, IONBALANCE-VA	ANIONS-ALL-IC-WR, TDS-CALC-VA	EC-MAN-WR, PH-MAN-WR	TSS-LOW-WR	CARBONS-TOC-VA, NHR-F-VA	CARBONS-DOC-VA	MET-T-COMS-VA, ZR-T-MS-VA	MET-D-COMS-VA, ZR-D-MS-VA	HARDNESS-CALC-VA	Number of Containers
		KFI	05-MAR-14	1650	GRAB	P	P	P	P	P	P	P	P		5
		TRAVEL BLANK	N/A	N/A	N/A										
		X10	05-MAR-14	14:20	GRAB										
		X2	"	1510	"										
		R8	"	1755	"										
		R10	"	1705	"										
		R9	"	1735	"										
		FIELD BLANK	05-MAR-14	1850	N/A										

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.	Seal: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No SIP Observations: Yes <input type="checkbox"/> No <input type="checkbox"/> Cooling Initiated: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Custody seal intact: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Are samples for human drinking water use? <input type="checkbox"/> Yes <input type="checkbox"/> No		INITIAL COOLER TEMPERATURES: _____ FINAL COOLER TEMPERATURES: _____
SHIPMENT RELEASE (client use)		INITIAL SHIPMENT RECEPTION (lab use only)
Released by: Laura Grant	Date: 05 MAR 14	Received by: _____
	Time: _____	Date: _____
		Time: _____