



ENVIRONMENTAL DYNAMICS INC.
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Date Received: 10-JUN-14
Report Date: 03-JUL-14 17:22 (MT)
Version: FINAL

Client Phone: 867-393-4882

Certificate of Analysis

Lab Work Order #: L1468264
Project P.O. #: NOT SUBMITTED
Job Reference: 14-Y-270
C of C Numbers: 1
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	L1468264-1 Surface Water 09-JUN-14 14:30 R3	L1468264-2 Surface Water 09-JUN-14 15:50 X10	L1468264-3 Surface Water 09-JUN-14 15:17 X14	L1468264-4 Surface Water 09-JUN-14 16:08 X3A	L1468264-5 Surface Water 09-JUN-14 16:40 X2	
Grouping	Analyte					
WATER						
Physical Tests	Conductivity (uS/cm)	160	118	178	111	107
	Hardness (as CaCO3) (mg/L)	78.6	57.9	84.2	53.5	52.6
	pH (pH)	7.78	7.87	7.75	7.73	7.69
	Total Suspended Solids (mg/L)	2.2	<1.0	1.4	2.4	3.8
	Total Dissolved Solids (mg/L)	101	71.4	109	67.2	63.3
Anions and Nutrients	Alkalinity, Total (as CaCO3) (mg/L)	62.2	58.1	63.6	53.7	49.1
	Ammonia, Total (as N) (mg/L)	<0.0050	<0.0050	0.0089	<0.0050	<0.0050
	Chloride (Cl) (mg/L)	<0.50	<0.50	<0.50	<0.50	<0.50
	Fluoride (F) (mg/L)	0.075	0.075	0.076	0.073	0.070
	Nitrate (as N) (mg/L)	0.0181	0.0181	0.0197	0.0233	0.0196
	Nitrite (as N) (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
	Phosphorus (P)-Total (mg/L)	0.0023	0.0035	<0.0020	0.0052	0.0063
	Sulfate (SO4) (mg/L)	29.6	10.8	34.2	10.3	9.64
	Anion Sum (meq/L)	1.87	1.39	1.99	1.29	1.19
	Cation Sum (meq/L)	1.69	1.24	1.81	1.15	1.14
	Cation - Anion Balance (%)	-5.1	-5.8	-4.8	-5.7	-2.2
Organic / Inorganic Carbon	Dissolved Organic Carbon (mg/L)	2.81	2.93	2.76	3.19	3.88
	Total Organic Carbon (mg/L)	3.06	2.87	2.85	3.21	3.29
Total Metals	Aluminum (Al)-Total (mg/L)	0.0566	0.0561	0.0511	0.0608	0.109
	Antimony (Sb)-Total (mg/L)	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
	Arsenic (As)-Total (mg/L)	0.00042	0.00043	0.00046	0.00046	0.00057
	Barium (Ba)-Total (mg/L)	0.0289	0.0297	0.0303	0.0288	0.0306
	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)	0.000041	0.000036	0.000045	0.000040	0.000081
	Calcium (Ca)-Total (mg/L)	22.4	15.3	23.2	14.6	14.5
	Chromium (Cr)-Total (mg/L)	0.00018	0.00018	0.00018	0.00020	0.00029
	Cobalt (Co)-Total (mg/L)	0.00044	0.00023	0.00062	0.00028	0.00053
	Copper (Cu)-Total (mg/L)	0.00081	0.00082	0.00081	0.00081	0.00094
	Iron (Fe)-Total (mg/L)	0.228	0.214	0.270	0.233	0.264
	Lead (Pb)-Total (mg/L)	0.000583	0.000640	0.000752	0.000832	0.00149
	Lithium (Li)-Total (mg/L)	0.00143	0.00119	0.00144	0.00121	0.00173
	Magnesium (Mg)-Total (mg/L)	4.86	3.87	5.55	3.33	3.49
	Manganese (Mn)-Total (mg/L)	0.367	0.0235	0.523	0.0311	0.0398
	Molybdenum (Mo)-Total (mg/L)	0.000345	0.000338	0.000330	0.000302	0.000348

* 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	L1468264-6 Surface Water 09-JUN-14 17:00 NF2B	L1468264-7 Surface Water 09-JUN-14 17:20 NF2C	L1468264-8 Surface Water 09-JUN-14 17:30 NF2	L1468264-9 Surface Water 09-JUN-14 18:20 NF1	L1468264-10 Surface Water 09-JUN-14 18:35 R10
Grouping	Analyte					
WATER						
Physical Tests	Conductivity (uS/cm)	105	112	114	104	105
	Hardness (as CaCO3) (mg/L)	49.3	51.9	53.2	51.3	51.2
	pH (pH)	7.60	7.46	7.48	7.56	7.65
	Total Suspended Solids (mg/L)	4.2	3.8	3.4	3.4	2.6
	Total Dissolved Solids (mg/L)	60.6	66.2	66.7	61.5	67.0
Anions and Nutrients	Alkalinity, Total (as CaCO3) (mg/L)	49.8	49.7	49.9	48.6	58.9
	Ammonia, Total (as N) (mg/L)	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
	Chloride (Cl) (mg/L)	<0.50	<0.50	<0.50	<0.50	<0.50
	Fluoride (F) (mg/L)	0.083	0.078	0.076	0.070	0.071
	Nitrate (as N) (mg/L)	0.0256	0.0258	0.0243	0.0157	0.0229
	Nitrite (as N) (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
	Phosphorus (P)-Total (mg/L)	0.0052	0.0054	0.0051	0.0067	0.0044
	Sulfate (SO4) (mg/L)	7.73	12.3	12.3	8.76	7.97
	Anion Sum (meq/L)	1.16	1.25	1.26	1.16	1.35
	Cation Sum (meq/L)	1.06	1.13	1.16	1.10	1.10
	Cation - Anion Balance (%)	-4.7	-5.2	-4.2	-2.5	-10.1
Organic / Inorganic Carbon	Dissolved Organic Carbon (mg/L)	3.27	3.14	3.18	3.24	3.15
	Total Organic Carbon (mg/L)	3.30	3.30	3.17	3.22	3.34
Total Metals	Aluminum (Al)-Total (mg/L)	0.132	0.115	0.114	0.0773	0.0710
	Antimony (Sb)-Total (mg/L)	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
	Arsenic (As)-Total (mg/L)	0.00060	0.00056	0.00056	0.00054	0.00056
	Barium (Ba)-Total (mg/L)	0.0310	0.0316	0.0323	0.0314	0.0321
	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)	0.000019	0.000272	0.000260	0.000015	0.000012
	Calcium (Ca)-Total (mg/L)	13.9	14.7	14.7	14.3	15.4
	Chromium (Cr)-Total (mg/L)	0.00032	0.00028	0.00026	0.00030	0.00020
	Cobalt (Co)-Total (mg/L)	0.00012	0.00180	0.00169	<0.00010	<0.00010
	Copper (Cu)-Total (mg/L)	0.00100	0.00103	0.00110	0.00105	0.00094
	Iron (Fe)-Total (mg/L)	0.264	0.302	0.286	0.178	0.165
	Lead (Pb)-Total (mg/L)	0.00170	0.00227	0.00167	0.00119	0.000840
	Lithium (Li)-Total (mg/L)	0.00168	0.00213	0.00205	0.00174	0.00184
	Magnesium (Mg)-Total (mg/L)	3.15	4.19	3.97	3.33	3.53
	Manganese (Mn)-Total (mg/L)	0.0170	0.0979	0.0926	0.0167	0.0133
	Molybdenum (Mo)-Total (mg/L)	0.000331	0.000381	0.000352	0.000338	0.000350

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ALS ENVIRONMENTAL ANALYTICAL REPORT

	Sample ID Description Sampled Date Sampled Time Client ID	L1468264-11 Surface Water 09-JUN-14 19:00 BLANK	L1468264-12 Surface Water 10-JUN-14 13:05 TRAVEL BLANK	L1468264-13 Surface Water 10-JUN-14 13:05 X3A-R	
Grouping	Analyte				
WATER					
Physical Tests	Conductivity (uS/cm)	<2.0	<2.0	111	
	Hardness (as CaCO3) (mg/L)	<0.50	<0.50	53.6	
	pH (pH)	5.61	5.49	7.64	
	Total Suspended Solids (mg/L)	<1.0	<1.0	1.4	
	Total Dissolved Solids (mg/L)	<1.0	<1.0	72.5	
Anions and Nutrients	Alkalinity, Total (as CaCO3) (mg/L)	<2.0	<2.0	63.2	
	Ammonia, Total (as N) (mg/L)	<0.0050	<0.0050	<0.0050	
	Chloride (Cl) (mg/L)	<0.50	<0.50	<0.50	
	Fluoride (F) (mg/L)	<0.020	<0.020	0.073	
	Nitrate (as N) (mg/L)	<0.0050	<0.0050	0.0179	
	Nitrite (as N) (mg/L)	<0.0010	<0.0010	<0.0010	
	Phosphorus (P)-Total (mg/L)	<0.0020	<0.0020	0.0041	
	Sulfate (SO4) (mg/L)	<0.50	<0.50	10.3	
	Anion Sum (meq/L)	<0.10	<0.10	1.48	
	Cation Sum (meq/L)	<0.10	<0.10	1.16	
	Cation - Anion Balance (%)	0.0	0.0	-12.4	
Organic / Inorganic Carbon	Dissolved Organic Carbon (mg/L)	<0.50		2.84	
	Total Organic Carbon (mg/L)	<0.50	<0.50	2.85	
Total Metals	Aluminum (Al)-Total (mg/L)	<0.0030	<0.0030	0.0896	
	Antimony (Sb)-Total (mg/L)	<0.00010	<0.00010	<0.00010	
	Arsenic (As)-Total (mg/L)	<0.00010	<0.00010	0.00049	
	Barium (Ba)-Total (mg/L)	<0.000050	<0.000050	0.0309	
	Beryllium (Be)-Total (mg/L)	<0.00010	<0.00010	<0.00010	
	Bismuth (Bi)-Total (mg/L)	<0.00050	<0.00050	<0.00050	
	Boron (B)-Total (mg/L)	<0.010	<0.010	<0.010	
	Cadmium (Cd)-Total (mg/L)	<0.000010	<0.000010	0.000050	
	Calcium (Ca)-Total (mg/L)	<0.020	<0.020	15.1	
	Chromium (Cr)-Total (mg/L)	<0.00010	<0.00010	0.00051	
	Cobalt (Co)-Total (mg/L)	<0.00010	<0.00010	0.00034	
	Copper (Cu)-Total (mg/L)	<0.00050	<0.00050	0.00089	
	Iron (Fe)-Total (mg/L)	<0.010	<0.010	0.290	
	Lead (Pb)-Total (mg/L)	<0.000050	<0.000050	0.00116	
	Lithium (Li)-Total (mg/L)	<0.00050	<0.00050	0.00159	
	Magnesium (Mg)-Total (mg/L)	<0.0050	<0.0050	3.60	
	Manganese (Mn)-Total (mg/L)	<0.000050	<0.000050	0.0346	
	Molybdenum (Mo)-Total (mg/L)	<0.000050	<0.000050	0.000280	

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ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample ID Description Sampled Date Sampled Time Client ID	L1468264-1 Surface Water 09-JUN-14 14:30 R3	L1468264-2 Surface Water 09-JUN-14 15:50 X10	L1468264-3 Surface Water 09-JUN-14 15:17 X14	L1468264-4 Surface Water 09-JUN-14 16:08 X3A	L1468264-5 Surface Water 09-JUN-14 16:40 X2	
Grouping	Analyte					
WATER						
Total Metals	Nickel (Ni)-Total (mg/L)	0.00123	0.00082	0.00152	0.00081	0.00126
	Phosphorus (P)-Total (mg/L)	<0.30	<0.30	<0.30	<0.30	<0.30
	Potassium (K)-Total (mg/L)	0.641	0.539	0.642	0.549	0.496
	Selenium (Se)-Total (mg/L)	0.00020	0.00020	0.00021	0.00018	0.00024
	Silicon (Si)-Total (mg/L)	3.46	3.15	3.23	3.24	3.71
	Silver (Ag)-Total (mg/L)	0.000015	<0.000010	<0.000010	<0.000010	<0.000010
	Sodium (Na)-Total (mg/L)	1.70	1.32	1.71	1.29	1.35
	Strontium (Sr)-Total (mg/L)	0.0900	0.0748	0.0975	0.0727	0.0672
	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)	0.000783	0.000777	0.000913	0.000735	0.000629
	Vanadium (V)-Total (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
	Zinc (Zn)-Total (mg/L)	0.0402	0.0529	0.0516	0.0625	0.106
	Zirconium (Zr)-Total (mg/L)	0.00133	<0.00080	<0.00080	<0.00080	<0.00080
Dissolved Metals	Dissolved Metals Filtration Location	FIELD	FIELD	FIELD	FIELD	FIELD
	Aluminum (Al)-Dissolved (mg/L)	0.0155	0.0162	0.0153	0.0166	0.0288
	Antimony (Sb)-Dissolved (mg/L)	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
	Arsenic (As)-Dissolved (mg/L)	0.00027	0.00030	0.00032	0.00033	0.00040
	Barium (Ba)-Dissolved (mg/L)	0.0283	0.0292	0.0295	0.0284	0.0301
	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)	0.000033	0.000034	0.000045	0.000041	0.000080
	Calcium (Ca)-Dissolved (mg/L)	23.0	16.6	24.4	15.8	14.8
	Chromium (Cr)-Dissolved (mg/L)	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
	Cobalt (Co)-Dissolved (mg/L)	0.00039	0.00019	0.00058	0.00024	0.00047
	Copper (Cu)-Dissolved (mg/L)	0.00067	0.00068	0.00068	0.00067	0.00078
	Iron (Fe)-Dissolved (mg/L)	0.112	0.110	0.154	0.115	0.077
	Lead (Pb)-Dissolved (mg/L)	0.000193	0.000291	0.000222	0.000257	0.000408
	Lithium (Li)-Dissolved (mg/L)	0.00177	0.00152	0.00205	0.00188	0.00194
	Magnesium (Mg)-Dissolved (mg/L)	5.13	4.01	5.63	3.45	3.77
	Manganese (Mn)-Dissolved (mg/L)	0.363	0.0200	0.528	0.0268	0.0328
	Molybdenum (Mo)-Dissolved (mg/L)	0.000318	0.000317	0.000330	0.000267	0.000320
	Nickel (Ni)-Dissolved (mg/L)	0.00115	0.00072	0.00150	0.00072	0.00110
	Phosphorus (P)-Dissolved (mg/L)	<0.30	<0.30	<0.30	<0.30	<0.30
	Potassium (K)-Dissolved (mg/L)	0.669	0.551	0.664	0.561	0.527

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ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample ID Description Sampled Date Sampled Time Client ID		L1468264-6 Surface Water 09-JUN-14 17:00 NF2B	L1468264-7 Surface Water 09-JUN-14 17:20 NF2C	L1468264-8 Surface Water 09-JUN-14 17:30 NF2	L1468264-9 Surface Water 09-JUN-14 18:20 NF1	L1468264-10 Surface Water 09-JUN-14 18:35 R10
Grouping	Analyte					
WATER						
Total Metals	Nickel (Ni)-Total (mg/L)	0.00068	0.00300	0.00288	0.00060	0.00052
	Phosphorus (P)-Total (mg/L)	<0.30	<0.30	<0.30	<0.30	<0.30
	Potassium (K)-Total (mg/L)	0.503	0.524	0.522	0.523	0.510
	Selenium (Se)-Total (mg/L)	0.00022	0.00023	0.00023	0.00022	0.00023
	Silicon (Si)-Total (mg/L)	3.69	3.82	3.77	3.68	3.88
	Silver (Ag)-Total (mg/L)	<0.000010	<0.000010	<0.000010	0.000041	<0.000010
	Sodium (Na)-Total (mg/L)	1.27	1.39	1.34	1.33	1.39
	Strontium (Sr)-Total (mg/L)	0.0640	0.0661	0.0669	0.0623	0.0657
	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)	0.000635	0.000696	0.000672	0.000600	0.000699
	Vanadium (V)-Total (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
	Zinc (Zn)-Total (mg/L)	0.0051	0.413	0.381	0.0072	0.0043
	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)	0.0197	0.0233	0.0224	0.0215	0.0229
	Antimony (Sb)-Dissolved (mg/L)	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
	Arsenic (As)-Dissolved (mg/L)	0.00041	0.00037	0.00038	0.00039	0.00041
	Barium (Ba)-Dissolved (mg/L)	0.0293	0.0294	0.0295	0.0313	0.0299
	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	0.000262	0.000233	0.000012	<0.000010
	Calcium (Ca)-Dissolved (mg/L)	14.4	14.1	14.7	15.0	14.9
	Chromium (Cr)-Dissolved (mg/L)	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
	Cobalt (Co)-Dissolved (mg/L)	<0.00010	0.00170	0.00155	<0.00010	<0.00010
	Copper (Cu)-Dissolved (mg/L)	0.00073	0.00077	0.00074	0.00078	0.00073
	Iron (Fe)-Dissolved (mg/L)	0.059	0.116	0.108	0.065	0.065
	Lead (Pb)-Dissolved (mg/L)	0.000382	0.000527	0.000503	0.000401	0.000431
	Lithium (Li)-Dissolved (mg/L)	0.00211	0.00218	0.00205	0.00224	0.00222
	Magnesium (Mg)-Dissolved (mg/L)	3.23	4.03	4.03	3.38	3.41
	Manganese (Mn)-Dissolved (mg/L)	0.00408	0.0888	0.0820	0.0142	0.00878
	Molybdenum (Mo)-Dissolved (mg/L)	0.000319	0.000329	0.000313	0.000325	0.000336
	Nickel (Ni)-Dissolved (mg/L)	<0.00050	0.00276	0.00263	<0.00050	<0.00050
	Phosphorus (P)-Dissolved (mg/L)	<0.30	<0.30	<0.30	<0.30	<0.30
	Potassium (K)-Dissolved (mg/L)	0.485	0.499	0.502	0.507	0.493

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ALS ENVIRONMENTAL ANALYTICAL REPORT

	Sample ID Description Sampled Date Sampled Time Client ID	L1468264-11 Surface Water 09-JUN-14 19:00 BLANK	L1468264-12 Surface Water 10-JUN-14 13:05 TRAVEL BLANK	L1468264-13 Surface Water 10-JUN-14 13:05 X3A-R	
Grouping	Analyte				
WATER					
Total Metals	Nickel (Ni)-Total (mg/L)	<0.00050	<0.00050	0.00102	
	Phosphorus (P)-Total (mg/L)	<0.30	<0.30	<0.30	
	Potassium (K)-Total (mg/L)	<0.050	<0.050	0.590	
	Selenium (Se)-Total (mg/L)	<0.00010	<0.00010	0.00016	
	Silicon (Si)-Total (mg/L)	<0.050	<0.050	3.57	
	Silver (Ag)-Total (mg/L)	<0.000010	<0.000010	<0.000010	
	Sodium (Na)-Total (mg/L)	<0.050	<0.050	1.44	
	Strontium (Sr)-Total (mg/L)	<0.00020	<0.00020	0.0750	
	Thallium (Tl)-Total (mg/L)	<0.000010	<0.000010	<0.000010	
	Tin (Sn)-Total (mg/L)	<0.00010	<0.00010	<0.00010	
	Titanium (Ti)-Total (mg/L)	<0.010	<0.010	<0.010	
	Uranium (U)-Total (mg/L)	<0.000010	<0.000010	0.000791	
	Vanadium (V)-Total (mg/L)	<0.0010	<0.0010	<0.0010	
	Zinc (Zn)-Total (mg/L)	<0.0030	<0.0030	0.0680	
	Zirconium (Zr)-Total (mg/L)	<0.00080	<0.00080	<0.00080	
Dissolved Metals	Dissolved Metals Filtration Location	FIELD		FIELD	
	Aluminum (Al)-Dissolved (mg/L)	<0.0010		0.0172	
	Antimony (Sb)-Dissolved (mg/L)	<0.00010		<0.00010	
	Arsenic (As)-Dissolved (mg/L)	<0.00010		0.00032	
	Barium (Ba)-Dissolved (mg/L)	<0.000050		0.0285	
	Beryllium (Be)-Dissolved (mg/L)	<0.00010		<0.00010	
	Bismuth (Bi)-Dissolved (mg/L)	<0.00050		<0.00050	
	Boron (B)-Dissolved (mg/L)	<0.010		<0.010	
	Cadmium (Cd)-Dissolved (mg/L)	<0.000010		0.000041	
	Calcium (Ca)-Dissolved (mg/L)	<0.020		15.6	
	Chromium (Cr)-Dissolved (mg/L)	<0.00010		<0.00010	
	Cobalt (Co)-Dissolved (mg/L)	<0.00010		0.00025	
	Copper (Cu)-Dissolved (mg/L)	<0.00020		0.00066	
	Iron (Fe)-Dissolved (mg/L)	<0.010		0.115	
	Lead (Pb)-Dissolved (mg/L)	<0.000050		0.000249	
	Lithium (Li)-Dissolved (mg/L)	<0.00050		0.00203	
	Magnesium (Mg)-Dissolved (mg/L)	<0.0050		3.56	
	Manganese (Mn)-Dissolved (mg/L)	<0.000050		0.0262	
	Molybdenum (Mo)-Dissolved (mg/L)	<0.000050		0.000263	
	Nickel (Ni)-Dissolved (mg/L)	<0.00050		0.00074	
	Phosphorus (P)-Dissolved (mg/L)	<0.30		<0.30	
	Potassium (K)-Dissolved (mg/L)	<0.050		0.556	

* 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	L1468264-1	L1468264-2	L1468264-3	L1468264-4	L1468264-5
					Surface Water	Surface Water	Surface Water	Surface Water	Surface Water
		09-JUN-14	14:30	R3	09-JUN-14	09-JUN-14	09-JUN-14	09-JUN-14	09-JUN-14
					15:50	15:50	15:17	16:08	16:40
					X10	X10	X14	X3A	X2
Grouping	Analyte								
WATER									
Dissolved Metals	Selenium (Se)-Dissolved (mg/L)	0.00020	0.00021	0.00021	0.00016	0.00021	0.00021	0.00016	0.00021
	Silicon (Si)-Dissolved (mg/L)	3.58	3.28	3.31	3.35	3.28	3.31	3.35	3.63
	Silver (Ag)-Dissolved (mg/L)	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
	Sodium (Na)-Dissolved (mg/L)	1.71	1.33	1.76	1.35	1.71	1.76	1.35	1.38
	Strontium (Sr)-Dissolved (mg/L)	0.0896	0.0772	0.0970	0.0774	0.0896	0.0970	0.0774	0.0620
	Thallium (Tl)-Dissolved (mg/L)	<0.000010	<0.000010	<0.000010	<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	<0.00010	<0.00010	<0.00010
	Titanium (Ti)-Dissolved (mg/L)	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
	Uranium (U)-Dissolved (mg/L)	0.000786	0.000743	0.000897	0.000743	0.000786	0.000897	0.000743	0.000612
	Vanadium (V)-Dissolved (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
	Zinc (Zn)-Dissolved (mg/L)	0.0389	0.0536	0.0519	0.0629	0.0389	0.0519	0.0629	0.114
	Zirconium (Zr)-Dissolved (mg/L)	<0.00080	<0.00080	<0.00080	<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

03-JUL-14 17:22 (MT)

Version: FINAL

Sample ID	Description	Sampled Date	Sampled Time	Client ID	L1468264-6	L1468264-7	L1468264-8	L1468264-9	L1468264-10
					Surface Water	Surface Water	Surface Water	Surface Water	Surface Water
		09-JUN-14	17:00	NF2B	09-JUN-14	09-JUN-14	09-JUN-14	09-JUN-14	09-JUN-14
					17:00	17:20	17:30	18:20	18:35
					NF2B	NF2C	NF2	NF1	R10
Grouping	Analyte								
WATER									
Dissolved Metals	Selenium (Se)-Dissolved (mg/L)	0.00024	0.00022	0.00023	0.00022	0.00024			
	Silicon (Si)-Dissolved (mg/L)	3.70	3.62	3.68	3.62	3.76			
	Silver (Ag)-Dissolved (mg/L)	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010			
	Sodium (Na)-Dissolved (mg/L)	1.28	1.32	1.34	1.32	1.36			
	Strontium (Sr)-Dissolved (mg/L)	0.0615	0.0620	0.0628	0.0644	0.0641			
	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)	0.000617	0.000626	0.000642	0.000602	0.000676			
	Vanadium (V)-Dissolved (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010			
	Zinc (Zn)-Dissolved (mg/L)	0.0035	0.416	0.386	0.0054	0.0039			
	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	L1468264-11	L1468264-12	L1468264-13	
Description	Surface Water	Surface Water	Surface Water		
Sampled Date	09-JUN-14	10-JUN-14	10-JUN-14		
Sampled Time	19:00	13:05	13:05		
Client ID	BLANK	TRAVEL BLANK	X3A-R		
Grouping	Analyte				
WATER					
Dissolved Metals	Selenium (Se)-Dissolved (mg/L)	<0.00010		0.00018	
	Silicon (Si)-Dissolved (mg/L)	<0.050		3.41	
	Silver (Ag)-Dissolved (mg/L)	<0.000010		<0.000010	
	Sodium (Na)-Dissolved (mg/L)	<0.050		1.37	
	Strontium (Sr)-Dissolved (mg/L)	<0.00020		0.0733	
	Thallium (Tl)-Dissolved (mg/L)	<0.000010		<0.000010	
	Tin (Sn)-Dissolved (mg/L)	<0.00010		<0.00010	
	Titanium (Ti)-Dissolved (mg/L)	<0.010		<0.010	
	Uranium (U)-Dissolved (mg/L)	<0.000010		0.000735	
	Vanadium (V)-Dissolved (mg/L)	<0.0010		<0.0010	
	Zinc (Zn)-Dissolved (mg/L)	<0.0010		0.0633	
	Zirconium (Zr)-Dissolved (mg/L)	<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)
Duplicate	Antimony (Sb)-Total	DLA	L1468264-1, -10, -13, -2, -3, -4, -5, -6, -7, -8, -9
Duplicate	Beryllium (Be)-Total	DLA	L1468264-1, -10, -13, -2, -3, -4, -5, -6, -7, -8, -9
Duplicate	Bismuth (Bi)-Total	DLA	L1468264-1, -10, -13, -2, -3, -4, -5, -6, -7, -8, -9
Duplicate	Cadmium (Cd)-Total	DLA	L1468264-1, -10, -13, -2, -3, -4, -5, -6, -7, -8, -9
Duplicate	Chromium (Cr)-Total	DLA	L1468264-1, -10, -13, -2, -3, -4, -5, -6, -7, -8, -9
Duplicate	Cobalt (Co)-Total	DLA	L1468264-1, -10, -13, -2, -3, -4, -5, -6, -7, -8, -9
Duplicate	Copper (Cu)-Total	DLA	L1468264-1, -10, -13, -2, -3, -4, -5, -6, -7, -8, -9
Duplicate	Phosphorus (P)-Total	DLA	L1468264-1, -10, -13, -2, -3, -4, -5, -6, -7, -8, -9
Duplicate	Selenium (Se)-Total	DLA	L1468264-1, -10, -13, -2, -3, -4, -5, -6, -7, -8, -9
Duplicate	Silver (Ag)-Total	DLA	L1468264-1, -10, -13, -2, -3, -4, -5, -6, -7, -8, -9
Duplicate	Thallium (Tl)-Total	DLA	L1468264-1, -10, -13, -2, -3, -4, -5, -6, -7, -8, -9
Duplicate	Tin (Sn)-Total	DLA	L1468264-1, -10, -13, -2, -3, -4, -5, -6, -7, -8, -9
Duplicate	Titanium (Ti)-Total	DLA	L1468264-1, -10, -13, -2, -3, -4, -5, -6, -7, -8, -9
Duplicate	Vanadium (V)-Total	DLA	L1468264-1, -10, -13, -2, -3, -4, -5, -6, -7, -8, -9
Duplicate	Lead (Pb)-Total	DLA	L1468264-1, -10, -13, -2, -3, -4, -5, -6, -7, -8, -9
Matrix Spike	Sulfate (SO4)	MS-B	L1468264-1, -10, -11, -12, -13, -2, -3, -4, -5, -6, -7, -8, -9
Matrix Spike	Sulfate (SO4)	MS-B	L1468264-1, -10, -11, -12, -13, -2, -3, -4, -5, -6, -7, -8, -9
Matrix Spike	Antimony (Sb)-Dissolved	MS-B	L1468264-1, -10, -11, -13, -2, -3, -4, -5, -6, -7, -8, -9
Matrix Spike	Arsenic (As)-Dissolved	MS-B	L1468264-1, -10, -11, -13, -2, -3, -4, -5, -6, -7, -8, -9
Matrix Spike	Calcium (Ca)-Dissolved	MS-B	L1468264-1, -10, -11, -13, -2, -3, -4, -5, -6, -7, -8, -9
Matrix Spike	Magnesium (Mg)-Dissolved	MS-B	L1468264-1, -10, -11, -13, -2, -3, -4, -5, -6, -7, -8, -9
Matrix Spike	Manganese (Mn)-Dissolved	MS-B	L1468264-1, -10, -11, -13, -2, -3, -4, -5, -6, -7, -8, -9
Matrix Spike	Molybdenum (Mo)-Dissolved	MS-B	L1468264-1, -10, -11, -13, -2, -3, -4, -5, -6, -7, -8, -9
Matrix Spike	Potassium (K)-Dissolved	MS-B	L1468264-1, -10, -11, -13, -2, -3, -4, -5, -6, -7, -8, -9
Matrix Spike	Sodium (Na)-Dissolved	MS-B	L1468264-1, -10, -11, -13, -2, -3, -4, -5, -6, -7, -8, -9
Matrix Spike	Strontium (Sr)-Dissolved	MS-B	L1468264-1, -10, -11, -13, -2, -3, -4, -5, -6, -7, -8, -9
Matrix Spike	Dissolved Organic Carbon	MS-B	L1468264-10, -11, -13, -4, -5, -6, -7, -8, -9
Matrix Spike	Barium (Ba)-Total	MS-B	L1468264-1, -10, -13, -2, -3, -4, -5, -6, -7, -8, -9
Matrix Spike	Calcium (Ca)-Total	MS-B	L1468264-1, -10, -13, -2, -3, -4, -5, -6, -7, -8, -9
Matrix Spike	Magnesium (Mg)-Total	MS-B	L1468264-1, -10, -13, -2, -3, -4, -5, -6, -7, -8, -9
Matrix Spike	Sodium (Na)-Total	MS-B	L1468264-1, -10, -13, -2, -3, -4, -5, -6, -7, -8, -9
Matrix Spike	Strontium (Sr)-Total	MS-B	L1468264-1, -10, -13, -2, -3, -4, -5, -6, -7, -8, -9
Matrix Spike	Barium (Ba)-Dissolved	MS-B	L1468264-1, -10, -11, -13, -2, -3, -4, -5, -6, -7, -8, -9
Matrix Spike	Calcium (Ca)-Dissolved	MS-B	L1468264-1, -10, -11, -13, -2, -3, -4, -5, -6, -7, -8, -9
Matrix Spike	Magnesium (Mg)-Dissolved	MS-B	L1468264-1, -10, -11, -13, -2, -3, -4, -5, -6, -7, -8, -9
Matrix Spike	Strontium (Sr)-Dissolved	MS-B	L1468264-1, -10, -11, -13, -2, -3, -4, -5, -6, -7, -8, -9

Qualifiers for Individual Parameters Listed:

Qualifier	Description
DLA	Detection Limit adjusted for required dilution
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

Reference Information

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 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 Phosphorus

This analysis is carried out using procedures adapted from APHA Method 4500-P "Phosphorus". Total Phosphorus 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)

Reference Information

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

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



L1468264-COFC

COC Number: 14 -

Page 1 of 1

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Report To		Report Format			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 checked="" 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 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			<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 5%;"></td> <td style="width: 5%;"></td> <td style="width: 5%;"></td> <td style="width: 5%;"></td> <td style="width: 5%;"></td> <td style="width: 5%;"></td> <td style="width: 5%;"></td> <td style="width: 5%;"></td> <td style="width: 5%;"></td> <td style="width: 5%;"></td> <td style="width: 5%;"></td> <td style="width: 5%;"></td> <td style="width: 5%;"></td> <td style="width: 5%;"></td> <td style="width: 5%;"></td> <td style="width: 5%;"></td> <td style="width: 5%;"></td> <td style="width: 5%;"></td> <td rowspan="10" style="width: 5%; text-align: center; vertical-align: middle;">Number of Containers</td> </tr> <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-CCMS-VA, ZR-T-MS-VA</td> <td>MET-D-CCMS-VA, ZR-D-MS-VA</td> <td>HARDNESS-CALC-VA</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>																						Number of Containers	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-CCMS-VA, ZR-T-MS-VA	MET-D-CCMS-VA, ZR-D-MS-VA	HARDNESS-CALC-VA											
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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 #: 14-Y-270		GL Account:	Routing Code:																																												
PO / AFE:		Activity Code:																																													
LSD:		Location:																																													
ALS Client Work Order # (lab use only)		ALS Contact:	Sampler:																																												
	Sample Identification and/or Coordinates (This description will appear on the report)	Date (dd-mmm-yy)	Time (hh:mm)	Sample Type																																											
	R3	09/Jun/14	14:30		R	R	R	R	R	R	R	R	R	R					5																												
	X10	09/Jun/14	15:50																																												
	X14	09/Jun/14	15:17																																												
	X3A	09/Jun/14	16:08																																												
	X2	09/Jun/14	16:40																																												
	NE2B	09/Jun/14	17:00																																												
	NE2A	09/Jun/14	17:20																																												
	NE2	09/Jun/14	17:30																																												
	NE1	09/Jun/14	18:20																																												
	R10	09/Jun/14	18:35																																												
	Blank	09/Jun/14	19:00																																												

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 checked="" type="checkbox"/> No		Use CH2M_EQUIS for EDD.		Frozen <input type="checkbox"/> SIP Observations: Yes <input type="checkbox"/> No <input type="checkbox"/>				
Are samples for human drinking water use? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				Capped Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Cup body seal intact: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>				
				Cool/insulated <input type="checkbox"/>				
				INITIAL COOLER TEMPERATURES (C) FINAL COOLER TEMPERATURES (C)				
				25 4/5				
SHIPMENT RELEASE (client use)		INITIAL SHIPMENT RECEPTION (lab use only)				FINAL SHIPMENT RECEPTION (lab use only)		
Released by: <i>Charles Abrahams</i>	Date: 10/Jun/14	Time: 13:00	Received by: <i>K</i>	Date: 10/Jun/14	Time: 1:05	Received by:	Date:	Time: