HEMMERA ENVIROCHEM INC.
ATTN: Natasha Sandys
230 - 2237 2nd Avenue
Whitehorse YK Y1A 0K7

Date Received: 15-JUN-15
Report Date: 23-JUN-15 18:11 (MT)
Version: FINAL

Client Phone: 867-456-4865

Certificate of Analysis

Lab Work Order #: L1626746

Project P.O. #: NOT SUBMITTED
Job Reference: 1343-005.08
C of C Numbers: 1, 2, 3
Legal Site Desc:

Brent Mack, B.Sc.
Account Manager

ALS ENVIRONMENTAL ANALYTICAL REPORT

Grouping	Analyte	L1626746-1 Water 11-JUN-15 10:00 P03-06-6	L1626746-2 Water 11-JUN-15 10:45 P03-06-1	L1626746-3 Water 10-JUN-15 16:47 P96-8A	L1626746-4 Water 11-JUN-15 13:15 X24-96D	L1626746-5 Water 11-JUN-15 12:35 P09-ETA-2
WATER						
Physical Tests	Conductivity (uS/cm)	4220	5300	10000	3090	9660
	Hardness (as CaCO3) (mg/L)	1010	1880	5590	1850	3110
	Hardness (as CaCO3)					
	pH (pH)	4.32	4.86	3.90	6.83	4.69
	Total Suspended Solids (mg/L)	1500	32.4	3.6	84.0	77.8
Anions and Nutrients	Acidity (as CaCO3) (mg/L)	1420	1820	2220	93.3	6020
	Alkalinity, Total (as CaCO3) (mg/L)	<1.0 DLA	<1.0 DLA	<1.0 DLA	296 DLA	<1.0 DLA
	Chloride (Cl) (mg/L)	<10	<10	<25	<10	<25
	Sulfate (SO4) (mg/L)	2350	3520	4380	1920	9540
Total Metals	Aluminum (Al)-Total (mg/L)					
	Antimony (Sb)-Total (mg/L)					
	Arsenic (As)-Total (mg/L)					
	Barium (Ba)-Total (mg/L)					
	Beryllium (Be)-Total (mg/L)					
	Bismuth (Bi)-Total (mg/L)					
	Boron (B)-Total (mg/L)					
	Cadmium (Cd)-Total (mg/L)					
	Calcium (Ca)-Total (mg/L)					
	Cesium (Cs)-Total (mg/L)					
	Chromium (Cr)-Total (mg/L)					
	Cobalt (Co)-Total (mg/L)					
	Copper (Cu)-Total (mg/L)					
	Iron (Fe)-Total (mg/L)					
	Lead (Pb)-Total (mg/L)					
	Lithium (Li)-Total (mg/L)					
	Magnesium (Mg)-Total (mg/L)					
	Manganese (Mn)-Total (mg/L)					
	Molybdenum (Mo)-Total (mg/L)					
	Nickel (Ni)-Total (mg/L)					
	Phosphorus (P)-Total (mg/L)					
	Potassium (K)-Total (mg/L)					
	Rubidium (Rb)-Total (mg/L)					
	Selenium (Se)-Total (mg/L)					
	Silicon (Si)-Total (mg/L)					
	Silver (Ag)-Total (mg/L)					
	Sodium (Na)-Total (mg/L)					
	Strontium (Sr)-Total (mg/L)					

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

ALS ENVIRONMENTAL ANALYTICAL REPORT

Grouping	Analyte	L1626746-6 Water 11-JUN-15 14:45 P09-C2	L1626746-7 Water 10-JUN-15 13:10 X25-96A	L1626746-8 Water 10-JUN-15 13:10 DUP-1	L1626746-9 Water 11-JUN-15 16:40 P05-01-03	L1626746-10 Water 10-JUN-15 18:00 P96-8B
WATER						
Physical Tests	Conductivity (uS/cm)	2770	1910	1920	3820	9660
	Hardness (as CaCO3) (mg/L)	910	1020	1010	2320	5540
	Hardness (as CaCO3)					
	pH (pH)	7.24	7.71	7.78	7.31	5.79
	Total Suspended Solids (mg/L)	30.6	17.6	18.2	29.6	23.2
Anions and Nutrients	Acidity (as CaCO3) (mg/L)	145	20.6	18.2	63.1	1930
	Alkalinity, Total (as CaCO3) (mg/L)	1660	312	311	453	19.8
	Chloride (Cl) (mg/L)	17.8	<2.5 DLA	<2.5 DLA	<10 DLA	12
	Sulfate (SO4) (mg/L)	23.0	855	882	2080	8460
Total Metals	Aluminum (Al)-Total (mg/L)					
	Antimony (Sb)-Total (mg/L)					
	Arsenic (As)-Total (mg/L)					
	Barium (Ba)-Total (mg/L)					
	Beryllium (Be)-Total (mg/L)					
	Bismuth (Bi)-Total (mg/L)					
	Boron (B)-Total (mg/L)					
	Cadmium (Cd)-Total (mg/L)					
	Calcium (Ca)-Total (mg/L)					
	Cesium (Cs)-Total (mg/L)					
	Chromium (Cr)-Total (mg/L)					
	Cobalt (Co)-Total (mg/L)					
	Copper (Cu)-Total (mg/L)					
	Iron (Fe)-Total (mg/L)					
	Lead (Pb)-Total (mg/L)					
	Lithium (Li)-Total (mg/L)					
	Magnesium (Mg)-Total (mg/L)					
	Manganese (Mn)-Total (mg/L)					
	Molybdenum (Mo)-Total (mg/L)					
	Nickel (Ni)-Total (mg/L)					
	Phosphorus (P)-Total (mg/L)					
	Potassium (K)-Total (mg/L)					
	Rubidium (Rb)-Total (mg/L)					
	Selenium (Se)-Total (mg/L)					
	Silicon (Si)-Total (mg/L)					
	Silver (Ag)-Total (mg/L)					
	Sodium (Na)-Total (mg/L)					
	Strontium (Sr)-Total (mg/L)					

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ALS ENVIRONMENTAL ANALYTICAL REPORT

Grouping	Analyte	L1626746-11 Water 10-JUN-15 16:05 P09-C3	L1626746-12 Water 11-JUN-15 16:00 P05-01-05	L1626746-13 Water 11-JUN-15 18:00 P01-11	L1626746-14 Water 10-JUN-15 13:46 PW14-6	L1626746-15 Water 11-JUN-15 13:21 BH13B
WATER						
Physical Tests	Conductivity (uS/cm)	1550	3560	3750	18000	1120
	Hardness (as CaCO3) (mg/L)	764	2180	2300	13200	590
	Hardness (as CaCO3)					
	pH (pH)	7.84	7.28	7.00	4.55	7.49
	Total Suspended Solids (mg/L)	8.0	33.2	168	21.6	1.8
Anions and Nutrients	Acidity (as CaCO3) (mg/L)	18.7	69.0	123	5030	10.7
	Alkalinity, Total (as CaCO3) (mg/L)	631	430 DLA	436 DLA	<1.0 DLA	113
	Chloride (Cl) (mg/L)	5.0	<10	<10	<25	<0.50
	Sulfate (SO4) (mg/L)	304	1860	2210	19000	387
Total Metals	Aluminum (Al)-Total (mg/L)					
	Antimony (Sb)-Total (mg/L)					
	Arsenic (As)-Total (mg/L)					
	Barium (Ba)-Total (mg/L)					
	Beryllium (Be)-Total (mg/L)					
	Bismuth (Bi)-Total (mg/L)					
	Boron (B)-Total (mg/L)					
	Cadmium (Cd)-Total (mg/L)					
	Calcium (Ca)-Total (mg/L)					
	Cesium (Cs)-Total (mg/L)					
	Chromium (Cr)-Total (mg/L)					
	Cobalt (Co)-Total (mg/L)					
	Copper (Cu)-Total (mg/L)					
	Iron (Fe)-Total (mg/L)					
	Lead (Pb)-Total (mg/L)					
	Lithium (Li)-Total (mg/L)					
	Magnesium (Mg)-Total (mg/L)					
	Manganese (Mn)-Total (mg/L)					
	Molybdenum (Mo)-Total (mg/L)					
	Nickel (Ni)-Total (mg/L)					
	Phosphorus (P)-Total (mg/L)					
	Potassium (K)-Total (mg/L)					
	Rubidium (Rb)-Total (mg/L)					
	Selenium (Se)-Total (mg/L)					
	Silicon (Si)-Total (mg/L)					
	Silver (Ag)-Total (mg/L)					
	Sodium (Na)-Total (mg/L)					
	Strontium (Sr)-Total (mg/L)					

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ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample ID	L1626746-16	L1626746-17	L1626746-18	L1626746-19	L1626746-20
Description	Water	Water	Water	Water	Water
Sampled Date	11-JUN-15	11-JUN-15	11-JUN-15	11-JUN-15	11-JUN-15
Sampled Time	14:40	14:24	11:52	10:40	09:44
Client ID	BH14B	BH14A	SRK08-P9	SRK08-10A	SRK08-11A
Grouping / **Analyte**					
WATER					
Physical Tests					
Conductivity (uS/cm)	4130	4430	1510	4030	939
Hardness (as CaCO3) (mg/L)	2740	2890	904	2180	538
Hardness (as CaCO3)					
pH (pH)	7.89	7.62	8.20	7.27	7.93
Total Suspended Solids (mg/L)	423	28.2	12.0	146	23.2
Anions and Nutrients					
Acidity (as CaCO3) (mg/L)	23.9	65.1	4.7	82.0	4.7
Alkalinity, Total (as CaCO3) (mg/L)	497	530	284	703	187
Chloride (Cl) (mg/L)	<10 DLA	<10 DLA	<2.5 DLA	129	<1.0 DLA
Sulfate (SO4) (mg/L)	2150	2730	617	1770	393
Total Metals					
Aluminum (Al)-Total (mg/L)					
Antimony (Sb)-Total (mg/L)					
Arsenic (As)-Total (mg/L)					
Barium (Ba)-Total (mg/L)					
Beryllium (Be)-Total (mg/L)					
Bismuth (Bi)-Total (mg/L)					
Boron (B)-Total (mg/L)					
Cadmium (Cd)-Total (mg/L)					
Calcium (Ca)-Total (mg/L)					
Cesium (Cs)-Total (mg/L)					
Chromium (Cr)-Total (mg/L)					
Cobalt (Co)-Total (mg/L)					
Copper (Cu)-Total (mg/L)					
Iron (Fe)-Total (mg/L)					
Lead (Pb)-Total (mg/L)					
Lithium (Li)-Total (mg/L)					
Magnesium (Mg)-Total (mg/L)					
Manganese (Mn)-Total (mg/L)					
Molybdenum (Mo)-Total (mg/L)					
Nickel (Ni)-Total (mg/L)					
Phosphorus (P)-Total (mg/L)					
Potassium (K)-Total (mg/L)					
Rubidium (Rb)-Total (mg/L)					
Selenium (Se)-Total (mg/L)					
Silicon (Si)-Total (mg/L)					
Silver (Ag)-Total (mg/L)					
Sodium (Na)-Total (mg/L)					
Strontium (Sr)-Total (mg/L)					

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ALS ENVIRONMENTAL ANALYTICAL REPORT

Grouping	Analyte	L1626746-21 Water 11-JUN-15 09:44 DUP-2	L1626746-22 Water 11-JUN-15 09:27 SRK08-11B	L1626746-23 Water 11-JUN-15 09:44 FB-1	L1626746-24 Water 11-JUN-15 17:45 P01-01B	L1626746-25 Water 10-JUN-15 13:55 X25-96B
WATER						
Physical Tests	Conductivity (uS/cm)	934	942	<2.0	1350	1600
	Hardness (as CaCO3) (mg/L)	552	542	<0.50	817	974
	Hardness (as CaCO3)					
	pH (pH)	7.79	7.65	5.45	7.84	8.02
	Total Suspended Solids (mg/L)	17.4	2.8	<1.0	2.8	8.4
Anions and Nutrients	Acidity (as CaCO3) (mg/L)	5.3	5.7	1.0	9.3	7.6
	Alkalinity, Total (as CaCO3) (mg/L)	185	149	<1.0	324	319
	Chloride (Cl) (mg/L)	<0.50	<1.0 DLA	<0.50	<2.5 DLA	<2.5 DLA
	Sulfate (SO4) (mg/L)	380	445	<0.30	611	824
Total Metals	Aluminum (Al)-Total (mg/L)					
	Antimony (Sb)-Total (mg/L)					
	Arsenic (As)-Total (mg/L)					
	Barium (Ba)-Total (mg/L)					
	Beryllium (Be)-Total (mg/L)					
	Bismuth (Bi)-Total (mg/L)					
	Boron (B)-Total (mg/L)					
	Cadmium (Cd)-Total (mg/L)					
	Calcium (Ca)-Total (mg/L)					
	Cesium (Cs)-Total (mg/L)					
	Chromium (Cr)-Total (mg/L)					
	Cobalt (Co)-Total (mg/L)					
	Copper (Cu)-Total (mg/L)					
	Iron (Fe)-Total (mg/L)					
	Lead (Pb)-Total (mg/L)					
	Lithium (Li)-Total (mg/L)					
	Magnesium (Mg)-Total (mg/L)					
	Manganese (Mn)-Total (mg/L)					
	Molybdenum (Mo)-Total (mg/L)					
	Nickel (Ni)-Total (mg/L)					
	Phosphorus (P)-Total (mg/L)					
	Potassium (K)-Total (mg/L)					
	Rubidium (Rb)-Total (mg/L)					
	Selenium (Se)-Total (mg/L)					
	Silicon (Si)-Total (mg/L)					
	Silver (Ag)-Total (mg/L)					
	Sodium (Na)-Total (mg/L)					
	Strontium (Sr)-Total (mg/L)					

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ALS ENVIRONMENTAL ANALYTICAL REPORT

	Sample ID	L1626746-26	L1626746-27			
	Description	Water	Water			
	Sampled Date	11-JUN-15				
	Sampled Time	17:05				
	Client ID	P01-01A	TRAVEL BLANK			
Grouping	**Analyte**					
WATER						
Physical Tests	Conductivity (uS/cm)	1690	<2.0			
	Hardness (as CaCO3) (mg/L)	1090				
	Hardness (as CaCO3)		<0.50			
	pH (pH)	7.53	5.76			
	Total Suspended Solids (mg/L)	2.6	<1.0			
Anions and Nutrients	Acidity (as CaCO3) (mg/L)	16.9	1.5			
	Alkalinity, Total (as CaCO3) (mg/L)	336	<1.0			
	Chloride (Cl) (mg/L)	<2.5 DLA	<0.50			
	Sulfate (SO4) (mg/L)	868	<0.30			
Total Metals	Aluminum (Al)-Total (mg/L)		<0.0030			
	Antimony (Sb)-Total (mg/L)		<0.00010			
	Arsenic (As)-Total (mg/L)		<0.00010			
	Barium (Ba)-Total (mg/L)		<0.000050			
	Beryllium (Be)-Total (mg/L)		<0.00010			
	Bismuth (Bi)-Total (mg/L)		<0.000050			
	Boron (B)-Total (mg/L)		<0.010			
	Cadmium (Cd)-Total (mg/L)		<0.0000050			
	Calcium (Ca)-Total (mg/L)		<0.050			
	Cesium (Cs)-Total (mg/L)		<0.000010			
	Chromium (Cr)-Total (mg/L)		<0.00010			
	Cobalt (Co)-Total (mg/L)		<0.00010			
	Copper (Cu)-Total (mg/L)		<0.00050			
	Iron (Fe)-Total (mg/L)		<0.010			
	Lead (Pb)-Total (mg/L)		<0.000050			
	Lithium (Li)-Total (mg/L)		<0.0010			
	Magnesium (Mg)-Total (mg/L)		<0.0050			
	Manganese (Mn)-Total (mg/L)		<0.00010			
	Molybdenum (Mo)-Total (mg/L)		<0.000050			
	Nickel (Ni)-Total (mg/L)		<0.00050			
	Phosphorus (P)-Total (mg/L)		<0.050			
	Potassium (K)-Total (mg/L)		<0.050			
	Rubidium (Rb)-Total (mg/L)		<0.00020			
	Selenium (Se)-Total (mg/L)		<0.000050			
	Silicon (Si)-Total (mg/L)		<0.050			
	Silver (Ag)-Total (mg/L)		<0.000010			
	Sodium (Na)-Total (mg/L)		<0.050			
	Strontium (Sr)-Total (mg/L)		<0.00020			

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

ALS ENVIRONMENTAL ANALYTICAL REPORT

	Sample ID	L1626746-1	L1626746-2	L1626746-3	L1626746-4	L1626746-5
	Description	Water	Water	Water	Water	Water
	Sampled Date	11-JUN-15	11-JUN-15	10-JUN-15	11-JUN-15	11-JUN-15
	Sampled Time	10:00	10:45	16:47	13:15	12:35
	Client ID	P03-06-6	P03-06-1	P96-8A	X24-96D	P09-ETA-2
Grouping	**Analyte**					
WATER						
Total Metals	Sulfur (S)-Total (mg/L)					
	Tellurium (Te)-Total (mg/L)					
	Thallium (Tl)-Total (mg/L)					
	Thorium (Th)-Total (mg/L)					
	Tin (Sn)-Total (mg/L)					
	Titanium (Ti)-Total (mg/L)					
	Tungsten (W)-Total (mg/L)					
	Uranium (U)-Total (mg/L)					
	Vanadium (V)-Total (mg/L)					
	Zinc (Zn)-Total (mg/L)					
	Zirconium (Zr)-Total (mg/L)					
Dissolved Metals	Dissolved Metals Filtration Location	FIELD	FIELD	FIELD	FIELD	FIELD
	Aluminum (Al)-Dissolved (mg/L)	0.015	3.59 DLA	24.8 DLA	0.0085	0.74 DLA
	Antimony (Sb)-Dissolved (mg/L)	0.0012	<0.0020 DLA	<0.010 DLA	0.00065 DLA	<0.010
	Arsenic (As)-Dissolved (mg/L)	0.0109	<0.0020 DLA	<0.010 DLA	<0.00050	0.172
	Barium (Ba)-Dissolved (mg/L)	0.00631	0.0136	0.0156	0.00839	0.0101
	Beryllium (Be)-Dissolved (mg/L)	<0.0010 DLA	0.0051 DLA	0.010 DLA	<0.00050 DLA	<0.010 DLA
	Bismuth (Bi)-Dissolved (mg/L)	<0.00050 DLA	<0.0010 DLA	<0.0050 DLA	<0.00025 DLA	<0.0050 DLA
	Boron (B)-Dissolved (mg/L)	<0.10 DLA	<0.20 DLA	<1.0 DLA	<0.050 DLA	<1.0 DLA
	Cadmium (Cd)-Dissolved (mg/L)	0.0546	0.0745	0.319	0.00597	<0.00050 DLA
	Calcium (Ca)-Dissolved (mg/L)	198	467	401	529	381
	Cesium (Cs)-Dissolved (mg/L)	0.00039	<0.00020 DLA	<0.0010 DLA	<0.000050 DLA	<0.0010 DLA
	Chromium (Cr)-Dissolved (mg/L)	<0.0010 DLA	<0.0020 DLA	<0.010 DLA	<0.00050 DLA	<0.010 DLA
	Cobalt (Co)-Dissolved (mg/L)	0.0849	2.44	1.88	0.102	1.29
	Copper (Cu)-Dissolved (mg/L)	<0.0020 DLA	0.0056	0.257	0.0012	<0.020 DLA
	Iron (Fe)-Dissolved (mg/L)	640	966	243	23.4	2390
	Lead (Pb)-Dissolved (mg/L)	0.0947	0.0100	0.103	<0.00025 DLA	<0.0050 DLA
	Lithium (Li)-Dissolved (mg/L)	0.050	0.184	0.20	0.0223	<0.10 DLA
	Magnesium (Mg)-Dissolved (mg/L)	126	174	1110	128	525
	Manganese (Mn)-Dissolved (mg/L)	33.4	176	128	34.1	69.0
	Molybdenum (Mo)-Dissolved (mg/L)	<0.00050 DLA	0.0011	<0.0050 DLA	0.00042	<0.0050 DLA
	Nickel (Ni)-Dissolved (mg/L)	0.0832	2.77	2.17	0.171	0.930
	Phosphorus (P)-Dissolved (mg/L)	<0.50 DLA	<1.0 DLA	<5.0 DLA	<0.25 DLA	<5.0 DLA
	Potassium (K)-Dissolved (mg/L)	4.57	8.0	14.7	7.38	7.8
	Rubidium (Rb)-Dissolved (mg/L)	0.0130	<0.0040 DLA	0.021	0.0014	<0.020 DLA
	Selenium (Se)-Dissolved (mg/L)	<0.00050 DLA	<0.0010 DLA	<0.0050 DLA	<0.00025 DLA	<0.0050 DLA
	Silicon (Si)-Dissolved (mg/L)	5.89	38.7	22.0	9.26	8.1

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ALS ENVIRONMENTAL ANALYTICAL REPORT

Grouping	Analyte	L1626746-6 Water 11-JUN-15 14:45 P09-C2	L1626746-7 Water 10-JUN-15 13:10 X25-96A	L1626746-8 Water 10-JUN-15 13:10 DUP-1	L1626746-9 Water 11-JUN-15 16:40 P05-01-03	L1626746-10 Water 10-JUN-15 18:00 P96-8B
WATER						
Total Metals	Sulfur (S)-Total (mg/L)					
	Tellurium (Te)-Total (mg/L)					
	Thallium (Tl)-Total (mg/L)					
	Thorium (Th)-Total (mg/L)					
	Tin (Sn)-Total (mg/L)					
	Titanium (Ti)-Total (mg/L)					
	Tungsten (W)-Total (mg/L)					
	Uranium (U)-Total (mg/L)					
	Vanadium (V)-Total (mg/L)					
	Zinc (Zn)-Total (mg/L)					
	Zirconium (Zr)-Total (mg/L)					
Dissolved Metals	Dissolved Metals Filtration Location	FIELD	FIELD	FIELD	FIELD	FIELD
	Aluminum (Al)-Dissolved (mg/L)	0.0127	0.0155	0.0044	0.0082	4.77
	Antimony (Sb)-Dissolved (mg/L)	<0.00020 DLA	<0.00020 DLA	<0.00020 DLA	<0.00050 DLA	<0.010 DLA
	Arsenic (As)-Dissolved (mg/L)	<0.00020 DLA	0.00041	0.00046	<0.00050 DLA	<0.010 DLA
	Barium (Ba)-Dissolved (mg/L)	0.643	0.0698	0.0692	0.0219	0.0147
	Beryllium (Be)-Dissolved (mg/L)	0.00234	<0.00020 DLA	<0.00020 DLA	<0.00050 DLA	<0.010 DLA
	Bismuth (Bi)-Dissolved (mg/L)	<0.00010 DLA	<0.00010 DLA	<0.00010 DLA	<0.00025 DLA	<0.0050 DLA
	Boron (B)-Dissolved (mg/L)	0.078	<0.020 DLA	<0.020 DLA	<0.050 DLA	<1.0 DLA
	Cadmium (Cd)-Dissolved (mg/L)	<0.000010 DLA	0.000126	0.000114	<0.000025 DLA	0.189
	Calcium (Ca)-Dissolved (mg/L)	206	304	298	690	376
	Cesium (Cs)-Dissolved (mg/L)	0.00934	<0.000020 DLA	<0.000020 DLA	0.000312	<0.0010 DLA
	Chromium (Cr)-Dissolved (mg/L)	<0.00020 DLA	<0.00020 DLA	<0.00020 DLA	<0.00050 DLA	<0.010 DLA
	Cobalt (Co)-Dissolved (mg/L)	<0.00020 DLA	0.0166	0.0168	0.00065	1.64
	Copper (Cu)-Dissolved (mg/L)	<0.00040 DLA	<0.00040 DLA	<0.00040 DLA	<0.0010 DLA	<0.020 DLA
	Iron (Fe)-Dissolved (mg/L)	2.83	9.32	9.33	37.5	278
	Lead (Pb)-Dissolved (mg/L)	<0.00010 DLA	<0.00010 DLA	<0.00010 DLA	<0.00025 DLA	0.0833
	Lithium (Li)-Dissolved (mg/L)	0.773	0.0052	0.0045	0.0322	0.20
	Magnesium (Mg)-Dissolved (mg/L)	96.2	63.2	65.7	144	1120
	Manganese (Mn)-Dissolved (mg/L)	0.168	19.9	20.0	49.9	114
	Molybdenum (Mo)-Dissolved (mg/L)	<0.00010 DLA	0.00097	0.00103	0.00034	<0.0050 DLA
	Nickel (Ni)-Dissolved (mg/L)	<0.0010 DLA	0.0114	0.0114	<0.0025 DLA	1.81
	Phosphorus (P)-Dissolved (mg/L)	<0.10 DLA	<0.10 DLA	<0.10 DLA	<0.25 DLA	<5.0 DLA
	Potassium (K)-Dissolved (mg/L)	11.2	5.27	5.34	7.72	17.4
	Rubidium (Rb)-Dissolved (mg/L)	0.0284	0.00095	0.00094	0.0112	0.027
	Selenium (Se)-Dissolved (mg/L)	<0.00010 DLA	<0.00010 DLA	<0.00010 DLA	<0.00025 DLA	<0.0050 DLA
	Silicon (Si)-Dissolved (mg/L)	10.7	9.05	9.22	11.4	16.0

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

ALS ENVIRONMENTAL ANALYTICAL REPORT

Grouping	Analyte	L1626746-11 Water 10-JUN-15 16:05 P09-C3	L1626746-12 Water 11-JUN-15 16:00 P05-01-05	L1626746-13 Water 11-JUN-15 18:00 P01-11	L1626746-14 Water 10-JUN-15 13:46 PW14-6	L1626746-15 Water 11-JUN-15 13:21 BH13B
WATER						
Total Metals	Sulfur (S)-Total (mg/L)					
	Tellurium (Te)-Total (mg/L)					
	Thallium (Tl)-Total (mg/L)					
	Thorium (Th)-Total (mg/L)					
	Tin (Sn)-Total (mg/L)					
	Titanium (Ti)-Total (mg/L)					
	Tungsten (W)-Total (mg/L)					
	Uranium (U)-Total (mg/L)					
	Vanadium (V)-Total (mg/L)					
	Zinc (Zn)-Total (mg/L)					
	Zirconium (Zr)-Total (mg/L)					
Dissolved Metals	Dissolved Metals Filtration Location	FIELD	FIELD	FIELD	FIELD	FIELD
	Aluminum (Al)-Dissolved (mg/L)	0.0043	<0.0050 DLA	<0.0050 DLA	48.2	0.0067
	Antimony (Sb)-Dissolved (mg/L)	<0.00010	<0.00050 DLA	<0.00050 DLA	<0.020 DLA	<0.00010
	Arsenic (As)-Dissolved (mg/L)	0.00092	0.00513	0.0429	0.045	<0.00010
	Barium (Ba)-Dissolved (mg/L)	0.0809	0.0167	0.0238	0.026	0.0231
	Beryllium (Be)-Dissolved (mg/L)	0.00018	<0.00050 DLA	<0.00050 DLA	0.023	<0.00010
	Bismuth (Bi)-Dissolved (mg/L)	<0.000050	<0.00025 DLA	<0.00025 DLA	<0.010 DLA	<0.000050
	Boron (B)-Dissolved (mg/L)	0.019	<0.050 DLA	<0.050 DLA	<2.0 DLA	<0.010
	Cadmium (Cd)-Dissolved (mg/L)	<0.0000050	0.000447	<0.000025 DLA	1.01	0.0000373
	Calcium (Ca)-Dissolved (mg/L)	192	650	687	426	130
	Cesium (Cs)-Dissolved (mg/L)	0.000871	<0.000050 DLA	0.000087	0.0160	0.000028
	Chromium (Cr)-Dissolved (mg/L)	<0.00010	<0.00050 DLA	<0.00050 DLA	<0.020 DLA	<0.00010
	Cobalt (Co)-Dissolved (mg/L)	0.00013	0.0277	0.0144	4.72	0.00109
	Copper (Cu)-Dissolved (mg/L)	<0.00020	0.0010	<0.0010 DLA	<0.040 DLA	0.00386
	Iron (Fe)-Dissolved (mg/L)	3.59	35.0	87.3	452	<0.010
	Lead (Pb)-Dissolved (mg/L)	<0.000050	<0.00025 DLA	0.00030	0.664	<0.000050
	Lithium (Li)-Dissolved (mg/L)	0.104	0.0289	0.0233	0.42	0.0176
	Magnesium (Mg)-Dissolved (mg/L)	69.2	136	142	2940	64.5
	Manganese (Mn)-Dissolved (mg/L)	0.435	46.5	47.9	320	0.00161
	Molybdenum (Mo)-Dissolved (mg/L)	0.000144	0.00067	0.00058	<0.010 DLA	0.00375
	Nickel (Ni)-Dissolved (mg/L)	<0.00050	0.0241	0.0347	7.50	0.00521
	Phosphorus (P)-Dissolved (mg/L)	<0.050	<0.25 DLA	<0.25 DLA	<10 DLA	<0.050
	Potassium (K)-Dissolved (mg/L)	3.91	7.94	8.12	12	2.92
	Rubidium (Rb)-Dissolved (mg/L)	0.00482	0.0042	0.0104	0.064	0.00132
	Selenium (Se)-Dissolved (mg/L)	<0.000050	<0.00025 DLA	<0.00025 DLA	<0.010 DLA	0.00216
	Silicon (Si)-Dissolved (mg/L)	9.57	11.1	12.4	14	3.58

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

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample ID	L1626746-16	L1626746-17	L1626746-18	L1626746-19	L1626746-20
Description	Water	Water	Water	Water	Water
Sampled Date	11-JUN-15	11-JUN-15	11-JUN-15	11-JUN-15	11-JUN-15
Sampled Time	14:40	14:24	11:52	10:40	09:44
Client ID	BH14B	BH14A	SRK08-P9	SRK08-10A	SRK08-11A
Grouping / **Analyte**					
WATER					
Total Metals					
Sulfur (S)-Total (mg/L)					
Tellurium (Te)-Total (mg/L)					
Thallium (Tl)-Total (mg/L)					
Thorium (Th)-Total (mg/L)					
Tin (Sn)-Total (mg/L)					
Titanium (Ti)-Total (mg/L)					
Tungsten (W)-Total (mg/L)					
Uranium (U)-Total (mg/L)					
Vanadium (V)-Total (mg/L)					
Zinc (Zn)-Total (mg/L)					
Zirconium (Zr)-Total (mg/L)					
Dissolved Metals					
Dissolved Metals Filtration Location	FIELD	FIELD	FIELD	FIELD	FIELD
Aluminum (Al)-Dissolved (mg/L)	0.0033	0.0280	<0.0010	0.0084	0.0011
Antimony (Sb)-Dissolved (mg/L)	<0.00020 DLA	<0.00050 DLA	<0.00010	<0.00050 DLA	<0.00010
Arsenic (As)-Dissolved (mg/L)	<0.00020 DLA	<0.00050 DLA	0.00025	<0.00050 DLA	0.00013
Barium (Ba)-Dissolved (mg/L)	0.0179	0.0131	0.0203	0.0206	0.101
Beryllium (Be)-Dissolved (mg/L)	<0.00020 DLA	<0.00050 DLA	<0.00010	<0.00050 DLA	<0.00010
Bismuth (Bi)-Dissolved (mg/L)	<0.00010 DLA	<0.00025 DLA	<0.000050	<0.00025 DLA	<0.000050
Boron (B)-Dissolved (mg/L)	<0.020 DLA	<0.050 DLA	<0.010	<0.050 DLA	<0.010
Cadmium (Cd)-Dissolved (mg/L)	0.000157	0.00445	0.0000249	0.000610	0.0000161
Calcium (Ca)-Dissolved (mg/L)	568	533	279	719	156
Cesium (Cs)-Dissolved (mg/L)	0.00351	0.00291	0.000057	<0.000050 DLA	0.000087
Chromium (Cr)-Dissolved (mg/L)	<0.00020 DLA	<0.00050 DLA	0.00027	<0.00050 DLA	<0.00010
Cobalt (Co)-Dissolved (mg/L)	<0.00020 DLA	0.00399	0.00048	0.00122	<0.00010
Copper (Cu)-Dissolved (mg/L)	0.00067	0.0068	0.00090	0.0023	0.00110
Iron (Fe)-Dissolved (mg/L)	<0.020 DLA	<0.050 DLA	0.019	<0.050 DLA	<0.010
Lead (Pb)-Dissolved (mg/L)	0.00761	0.00831	<0.000050	0.00031	0.000068
Lithium (Li)-Dissolved (mg/L)	0.0791	0.108	0.0123	0.0104	0.0145
Magnesium (Mg)-Dissolved (mg/L)	322	379	50.5	94.5	35.9
Manganese (Mn)-Dissolved (mg/L)	0.0174	0.288	0.0343	0.0190	0.00049
Molybdenum (Mo)-Dissolved (mg/L)	0.00021	0.00045	0.00145	0.00037	0.000179
Nickel (Ni)-Dissolved (mg/L)	0.0072	0.308	0.0216	0.0154	0.00172
Phosphorus (P)-Dissolved (mg/L)	<0.10 DLA	<0.25 DLA	<0.050	<0.25 DLA	<0.050
Potassium (K)-Dissolved (mg/L)	4.50	3.97	4.94	14.4	3.51
Rubidium (Rb)-Dissolved (mg/L)	0.0183	0.0171	0.00267	0.0029	0.00396
Selenium (Se)-Dissolved (mg/L)	0.00059	0.00074	0.00114	<0.00025 DLA	0.000223
Silicon (Si)-Dissolved (mg/L)	9.80	10.1	6.65	10.1	6.76

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

ALS ENVIRONMENTAL ANALYTICAL REPORT

Grouping	Analyte	L1626746-21 Water 11-JUN-15 09:44 DUP-2	L1626746-22 Water 11-JUN-15 09:27 SRK08-11B	L1626746-23 Water 11-JUN-15 09:44 FB-1	L1626746-24 Water 11-JUN-15 17:45 P01-01B	L1626746-25 Water 10-JUN-15 13:55 X25-96B
WATER						
Total Metals	Sulfur (S)-Total (mg/L)					
	Tellurium (Te)-Total (mg/L)					
	Thallium (Tl)-Total (mg/L)					
	Thorium (Th)-Total (mg/L)					
	Tin (Sn)-Total (mg/L)					
	Titanium (Ti)-Total (mg/L)					
	Tungsten (W)-Total (mg/L)					
	Uranium (U)-Total (mg/L)					
	Vanadium (V)-Total (mg/L)					
	Zinc (Zn)-Total (mg/L)					
	Zirconium (Zr)-Total (mg/L)					
Dissolved Metals	Dissolved Metals Filtration Location	FIELD	FIELD	FIELD	FIELD	FIELD
	Aluminum (Al)-Dissolved (mg/L)	0.0013	0.0038	<0.0010	<0.0010	<0.0020 DLA
	Antimony (Sb)-Dissolved (mg/L)	<0.00010	<0.00010	<0.00010	<0.00010	<0.00020 DLA
	Arsenic (As)-Dissolved (mg/L)	0.00014	<0.00010	<0.00010	0.00181	0.00114
	Barium (Ba)-Dissolved (mg/L)	0.0988	0.0294	<0.000050	0.0498	0.0281
	Beryllium (Be)-Dissolved (mg/L)	<0.00010	<0.00010	<0.00010	<0.00010	<0.00020 DLA
	Bismuth (Bi)-Dissolved (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.00010 DLA
	Boron (B)-Dissolved (mg/L)	<0.010	<0.010	<0.010	<0.010	<0.020 DLA
	Cadmium (Cd)-Dissolved (mg/L)	0.0000151	0.000408	<0.0000050	<0.0000050	<0.000010 DLA
	Calcium (Ca)-Dissolved (mg/L)	162	143	<0.050	248	316
	Cesium (Cs)-Dissolved (mg/L)	0.000086	<0.000010	<0.000010	0.000466	0.000026
	Chromium (Cr)-Dissolved (mg/L)	<0.00010	<0.00010	<0.00010	<0.00010	<0.00020 DLA
	Cobalt (Co)-Dissolved (mg/L)	<0.00010	<0.00010	<0.00010	0.00021	<0.00020 DLA
	Copper (Cu)-Dissolved (mg/L)	0.00113	0.00125	<0.00020	<0.00020	<0.00040 DLA
	Iron (Fe)-Dissolved (mg/L)	<0.010	<0.010	<0.010	0.670	2.71
	Lead (Pb)-Dissolved (mg/L)	<0.000050	<0.000050	<0.000050	0.000063	<0.00010 DLA
	Lithium (Li)-Dissolved (mg/L)	0.0164	0.0130	<0.0010	0.0118	0.0103
	Magnesium (Mg)-Dissolved (mg/L)	35.9	45.1	<0.0050	48.2	45.0
	Manganese (Mn)-Dissolved (mg/L)	0.00054	0.208	<0.00010	0.195	0.341
	Molybdenum (Mo)-Dissolved (mg/L)	0.000196	0.000095	<0.000050	0.000771	0.00035
	Nickel (Ni)-Dissolved (mg/L)	0.00171	0.0110	<0.00050	0.00075	<0.0010 DLA
	Phosphorus (P)-Dissolved (mg/L)	<0.050	<0.050	<0.050	<0.050	<0.10 DLA
	Potassium (K)-Dissolved (mg/L)	3.48	3.11	<0.050	4.38	4.50
	Rubidium (Rb)-Dissolved (mg/L)	0.00391	0.00192	<0.00020	0.00209	0.00581
	Selenium (Se)-Dissolved (mg/L)	0.000217	0.000106	<0.000050	<0.000050	<0.00010 DLA
	Silicon (Si)-Dissolved (mg/L)	6.99	6.66	<0.050	5.89	4.94

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

ALS ENVIRONMENTAL ANALYTICAL REPORT

	Sample ID	L1626746-26	L1626746-27			
	Description	Water	Water			
	Sampled Date	11-JUN-15				
	Sampled Time	17:05				
	Client ID	P01-01A	TRAVEL BLANK			
Grouping	**Analyte**					
WATER						
Total Metals	Sulfur (S)-Total (mg/L)		<0.50			
	Tellurium (Te)-Total (mg/L)		<0.00020			
	Thallium (Tl)-Total (mg/L)		<0.000010			
	Thorium (Th)-Total (mg/L)		<0.00010			
	Tin (Sn)-Total (mg/L)		<0.00010			
	Titanium (Ti)-Total (mg/L)		<0.00030			
	Tungsten (W)-Total (mg/L)		<0.00010			
	Uranium (U)-Total (mg/L)		<0.000010			
	Vanadium (V)-Total (mg/L)		<0.00050			
	Zinc (Zn)-Total (mg/L)		<0.0030			
	Zirconium (Zr)-Total (mg/L)		<0.00030			
Dissolved Metals	Dissolved Metals Filtration Location	FIELD				
	Aluminum (Al)-Dissolved (mg/L)	<0.0020 DLA				
	Antimony (Sb)-Dissolved (mg/L)	<0.00020 DLA				
	Arsenic (As)-Dissolved (mg/L)	<0.00020 DLA				
	Barium (Ba)-Dissolved (mg/L)	0.0434				
	Beryllium (Be)-Dissolved (mg/L)	<0.00020 DLA				
	Bismuth (Bi)-Dissolved (mg/L)	<0.00010 DLA				
	Boron (B)-Dissolved (mg/L)	<0.020 DLA				
	Cadmium (Cd)-Dissolved (mg/L)	0.00108				
	Calcium (Ca)-Dissolved (mg/L)	325				
	Cesium (Cs)-Dissolved (mg/L)	<0.000020 DLA				
	Chromium (Cr)-Dissolved (mg/L)	<0.00020 DLA				
	Cobalt (Co)-Dissolved (mg/L)	0.00258				
	Copper (Cu)-Dissolved (mg/L)	<0.00040 DLA				
	Iron (Fe)-Dissolved (mg/L)	<0.020 DLA				
	Lead (Pb)-Dissolved (mg/L)	<0.00010 DLA				
	Lithium (Li)-Dissolved (mg/L)	0.0131				
	Magnesium (Mg)-Dissolved (mg/L)	68.9				
	Manganese (Mn)-Dissolved (mg/L)	8.98				
	Molybdenum (Mo)-Dissolved (mg/L)	0.00071				
	Nickel (Ni)-Dissolved (mg/L)	0.0136				
	Phosphorus (P)-Dissolved (mg/L)	<0.10 DLA				
	Potassium (K)-Dissolved (mg/L)	6.36				
	Rubidium (Rb)-Dissolved (mg/L)	0.00100				
	Selenium (Se)-Dissolved (mg/L)	<0.00010 DLA				
	Silicon (Si)-Dissolved (mg/L)	7.27				

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

ALS ENVIRONMENTAL ANALYTICAL REPORT

	Sample ID	L1626746-1	L1626746-2	L1626746-3	L1626746-4	L1626746-5
	Description	Water	Water	Water	Water	Water
	Sampled Date	11-JUN-15	11-JUN-15	10-JUN-15	11-JUN-15	11-JUN-15
	Sampled Time	10:00	10:45	16:47	13:15	12:35
	Client ID	P03-06-6	P03-06-1	P96-8A	X24-96D	P09-ETA-2
Grouping	**Analyte**					
WATER						
Dissolved Metals	Silver (Ag)-Dissolved (mg/L)	<0.00010 DLA	<0.00020 DLA	<0.0010 DLA	<0.000050 DLA	<0.0010 DLA
	Sodium (Na)-Dissolved (mg/L)	27.4	24.7	54.3	46.6	34.8
	Strontium (Sr)-Dissolved (mg/L)	0.465	2.04	3.49	1.65	2.46
	Sulfur (S)-Dissolved (mg/L)	829	1440	2890	628	2880
	Tellurium (Te)-Dissolved (mg/L)	<0.0020 DLA	<0.0040 DLA	<0.020 DLA	<0.0010 DLA	<0.020 DLA
	Thallium (Tl)-Dissolved (mg/L)	0.00047	<0.00020 DLA	<0.0010 DLA	0.000177	<0.0010 DLA
	Thorium (Th)-Dissolved (mg/L)	<0.0010 DLA	<0.0020 DLA	<0.010 DLA	<0.00050 DLA	<0.010 DLA
	Tin (Sn)-Dissolved (mg/L)	<0.0010 DLA	<0.0020 DLA	<0.010 DLA	<0.00050 DLA	<0.010 DLA
	Titanium (Ti)-Dissolved (mg/L)	<0.0030 DLA	<0.0060 DLA	<0.030 DLA	<0.0015 DLA	<0.030 DLA
	Tungsten (W)-Dissolved (mg/L)	<0.0010 DLA	<0.0020 DLA	<0.010 DLA	<0.00050 DLA	<0.010 DLA
	Uranium (U)-Dissolved (mg/L)	0.00868	0.00286	0.0256	0.00263	0.0021
	Vanadium (V)-Dissolved (mg/L)	<0.0050 DLA	<0.010 DLA	<0.050 DLA	<0.0025 DLA	<0.050 DLA
	Zinc (Zn)-Dissolved (mg/L)	69.7	33.9	874	0.209	536
	Zirconium (Zr)-Dissolved (mg/L)	<0.0030 DLA	<0.0060 DLA	<0.030 DLA	<0.0015 DLA	<0.030 DLA

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

ALS ENVIRONMENTAL ANALYTICAL REPORT

Grouping	Analyte	L1626746-6 Water 11-JUN-15 14:45 P09-C2	L1626746-7 Water 10-JUN-15 13:10 X25-96A	L1626746-8 Water 10-JUN-15 13:10 DUP-1	L1626746-9 Water 11-JUN-15 16:40 P05-01-03	L1626746-10 Water 10-JUN-15 18:00 P96-8B
WATER						
Dissolved Metals	Silver (Ag)-Dissolved (mg/L)	0.000296	<0.000020 DLA	<0.000020 DLA	<0.000050 DLA	<0.0010 DLA
	Sodium (Na)-Dissolved (mg/L)	300	20.1	21.6	35.0	57.2
	Strontium (Sr)-Dissolved (mg/L)	4.25	0.807	0.784	1.71	3.66
	Sulfur (S)-Dissolved (mg/L)	11.4	301	310	761	2670
	Tellurium (Te)-Dissolved (mg/L)	<0.00040 DLA	<0.00040 DLA	<0.00040 DLA	<0.0010 DLA	<0.020 DLA
	Thallium (Tl)-Dissolved (mg/L)	<0.000020 DLA	<0.000020 DLA	0.000028	<0.000050 DLA	<0.0010 DLA
	Thorium (Th)-Dissolved (mg/L)	<0.00020 DLA	<0.00020 DLA	<0.00020 DLA	<0.00050 DLA	<0.010 DLA
	Tin (Sn)-Dissolved (mg/L)	<0.00020 DLA	<0.00020 DLA	<0.00020 DLA	<0.00050 DLA	<0.010 DLA
	Titanium (Ti)-Dissolved (mg/L)	<0.00060 DLA	<0.00060 DLA	<0.00060 DLA	<0.0015 DLA	<0.030 DLA
	Tungsten (W)-Dissolved (mg/L)	0.00114	<0.00020 DLA	<0.00020 DLA	<0.00050 DLA	<0.010 DLA
	Uranium (U)-Dissolved (mg/L)	0.000378	0.0112	0.0113	0.000718	0.0020
	Vanadium (V)-Dissolved (mg/L)	<0.0010 DLA	<0.0010 DLA	<0.0010 DLA	<0.0025 DLA	<0.050 DLA
	Zinc (Zn)-Dissolved (mg/L)	<0.0020 DLA	0.0032	0.0032	<0.0050 DLA	821
	Zirconium (Zr)-Dissolved (mg/L)	0.139	0.00102	<0.00060 DLA	0.0027	<0.030 DLA

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

ALS ENVIRONMENTAL ANALYTICAL REPORT

Grouping	Analyte	L1626746-11 Water 10-JUN-15 16:05 P09-C3	L1626746-12 Water 11-JUN-15 16:00 P05-01-05	L1626746-13 Water 11-JUN-15 18:00 P01-11	L1626746-14 Water 10-JUN-15 13:46 PW14-6	L1626746-15 Water 11-JUN-15 13:21 BH13B
WATER						
Dissolved Metals	Silver (Ag)-Dissolved (mg/L)	0.000073	<0.000050 DLA	<0.000050 DLA	<0.0020 DLA	<0.000010
	Sodium (Na)-Dissolved (mg/L)	62.9	31.6	34.6	149	4.86
	Strontium (Sr)-Dissolved (mg/L)	2.30	1.64	1.68	2.48	0.692
	Sulfur (S)-Dissolved (mg/L)	116	709	753	6110	182
	Tellurium (Te)-Dissolved (mg/L)	<0.00020	<0.0010 DLA	<0.0010 DLA	<0.040 DLA	<0.00020
	Thallium (Tl)-Dissolved (mg/L)	<0.000010	<0.000050 DLA	<0.000050 DLA	0.0181	<0.000010
	Thorium (Th)-Dissolved (mg/L)	<0.00010	<0.00050 DLA	<0.00050 DLA	<0.020 DLA	<0.00010
	Tin (Sn)-Dissolved (mg/L)	<0.00010	<0.00050 DLA	<0.00050 DLA	<0.020 DLA	<0.00010
	Titanium (Ti)-Dissolved (mg/L)	0.00061	<0.0015 DLA	<0.0015 DLA	<0.060 DLA	<0.00030
	Tungsten (W)-Dissolved (mg/L)	0.00075	<0.00050 DLA	<0.00050 DLA	<0.020 DLA	<0.00010
	Uranium (U)-Dissolved (mg/L)	0.000883	0.00608	0.0101	0.203	0.00130
	Vanadium (V)-Dissolved (mg/L)	<0.00050	<0.0025 DLA	<0.0025 DLA	<0.10 DLA	<0.00050
	Zinc (Zn)-Dissolved (mg/L)	<0.0010	0.0061	0.0084	1720	0.0016
	Zirconium (Zr)-Dissolved (mg/L)	0.0296	<0.0015 DLA	<0.0015 DLA	<0.060 DLA	<0.00030

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

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample ID	L1626746-16	L1626746-17	L1626746-18	L1626746-19	L1626746-20
Description	Water	Water	Water	Water	Water
Sampled Date	11-JUN-15	11-JUN-15	11-JUN-15	11-JUN-15	11-JUN-15
Sampled Time	14:40	14:24	11:52	10:40	09:44
Client ID	BH14B	BH14A	SRK08-P9	SRK08-10A	SRK08-11A
Grouping / **Analyte**					
WATER					
Dissolved Metals Silver (Ag)-Dissolved (mg/L)	<0.000020 DLA	<0.000050 DLA	<0.000010	<0.000050 DLA	<0.000010
Sodium (Na)-Dissolved (mg/L)	17.1	18.1	9.04	156	7.00
Strontium (Sr)-Dissolved (mg/L)	3.48	3.29	3.41	1.65	0.623
Sulfur (S)-Dissolved (mg/L)	854	892	244	629	139
Tellurium (Te)-Dissolved (mg/L)	<0.00040 DLA	<0.0010 DLA	<0.00020	<0.0010 DLA	<0.00020
Thallium (Tl)-Dissolved (mg/L)	<0.000020 DLA	<0.000050 DLA	<0.000010	<0.000050 DLA	<0.000010
Thorium (Th)-Dissolved (mg/L)	<0.00020 DLA	<0.00050 DLA	<0.00010	<0.00050 DLA	<0.00010
Tin (Sn)-Dissolved (mg/L)	<0.00020 DLA	<0.00050 DLA	<0.00010	<0.00050 DLA	<0.00010
Titanium (Ti)-Dissolved (mg/L)	<0.00060 DLA	<0.0015 DLA	<0.00030	<0.0015 DLA	<0.00030
Tungsten (W)-Dissolved (mg/L)	<0.00020 DLA	<0.00050 DLA	<0.00010	<0.00050 DLA	<0.00010
Uranium (U)-Dissolved (mg/L)	0.200	0.134	0.00654	0.0372	0.00189
Vanadium (V)-Dissolved (mg/L)	<0.0010 DLA	<0.0025 DLA	<0.00050	<0.0025 DLA	<0.00050
Zinc (Zn)-Dissolved (mg/L)	0.587	27.8	0.0025	0.676	0.0107
Zirconium (Zr)-Dissolved (mg/L)	<0.00060 DLA	<0.0015 DLA	0.00035	0.0022	<0.00030

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

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample ID	L1626746-21	L1626746-22	L1626746-23	L1626746-24	L1626746-25
Description	Water	Water	Water	Water	Water
Sampled Date	11-JUN-15	11-JUN-15	11-JUN-15	11-JUN-15	10-JUN-15
Sampled Time	09:44	09:27	09:44	17:45	13:55
Client ID	DUP-2	SRK08-11B	FB-1	P01-01B	X25-96B
Grouping / **Analyte**					
WATER					
Dissolved Metals Silver (Ag)-Dissolved (mg/L)	<0.000010	<0.000010	<0.000010	<0.000010	<0.000020 DLA
Sodium (Na)-Dissolved (mg/L)	7.00	7.29	<0.050	23.5	49.8
Strontium (Sr)-Dissolved (mg/L)	0.614	0.547	<0.00020	0.858	0.638
Sulfur (S)-Dissolved (mg/L)	146	153	<0.50	212	286
Tellurium (Te)-Dissolved (mg/L)	<0.00020	<0.00020	<0.00020	<0.00020	<0.00040 DLA
Thallium (Tl)-Dissolved (mg/L)	<0.000010	0.000021	<0.000010	<0.000010	<0.000020 DLA
Thorium (Th)-Dissolved (mg/L)	<0.00010	<0.00010	<0.00010	<0.00010	<0.00020 DLA
Tin (Sn)-Dissolved (mg/L)	<0.00010	<0.00010	<0.00010	<0.00010	<0.00020 DLA
Titanium (Ti)-Dissolved (mg/L)	<0.00030	<0.00030	<0.00030	<0.00030	<0.00060 DLA
Tungsten (W)-Dissolved (mg/L)	<0.00010	<0.00010	<0.00010	<0.00010	<0.00020 DLA
Uranium (U)-Dissolved (mg/L)	0.00192	0.00116	<0.000010	0.00969	0.00653
Vanadium (V)-Dissolved (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.0010 DLA
Zinc (Zn)-Dissolved (mg/L)	0.0111	0.130	<0.0010	0.0021	<0.0020 DLA
Zirconium (Zr)-Dissolved (mg/L)	<0.00030	<0.00030	<0.00030	0.00102	<0.00060 DLA

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

ALS ENVIRONMENTAL ANALYTICAL REPORT

	Sample ID	L1626746-26	L1626746-27			
	Description	Water	Water			
	Sampled Date	11-JUN-15				
	Sampled Time	17:05				
	Client ID	P01-01A	TRAVEL BLANK			
Grouping	**Analyte**					
WATER						
Dissolved Metals	Silver (Ag)-Dissolved (mg/L)	<0.000020 DLA				
	Sodium (Na)-Dissolved (mg/L)	18.5				
	Strontium (Sr)-Dissolved (mg/L)	1.02				
	Sulfur (S)-Dissolved (mg/L)	311				
	Tellurium (Te)-Dissolved (mg/L)	<0.00040 DLA				
	Thallium (Tl)-Dissolved (mg/L)	<0.000020 DLA				
	Thorium (Th)-Dissolved (mg/L)	<0.00020 DLA				
	Tin (Sn)-Dissolved (mg/L)	<0.00020 DLA				
	Titanium (Ti)-Dissolved (mg/L)	<0.00060 DLA				
	Tungsten (W)-Dissolved (mg/L)	<0.00020 DLA				
	Uranium (U)-Dissolved (mg/L)	0.00761				
	Vanadium (V)-Dissolved (mg/L)	<0.0010 DLA				
	Zinc (Zn)-Dissolved (mg/L)	0.0037				
	Zirconium (Zr)-Dissolved (mg/L)	<0.00060 DLA				

* 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)
Method Blank	Acidity (as CaCO3)	B	L1626746-1, -10, -11, -12, -13, -15, -16, -17, -19, -2, -3, -4, -6, -7, -8, -9
Matrix Spike	Sulfate (SO4)	MS-B	L1626746-1, -10, -11, -12, -13, -14, -15, -16, -17, -18, -19, -2, -20, -21, -22, -23, -24, -25, -26, -27, -3, -4, -5, -6, -7, -8, -9
Matrix Spike	Sulfate (SO4)	MS-B	L1626746-1, -10, -11, -12, -13, -14, -15, -16, -17, -18, -19, -2, -20, -21, -22, -23, -24, -25, -26, -27, -3, -4, -5, -6, -7, -8, -9
Matrix Spike	Barium (Ba)-Dissolved	MS-B	L1626746-1, -10, -11, -12, -13, -14, -15, -16, -17, -18, -19, -2, -20, -21, -22, -23, -24, -25, -26, -3, -4, -5, -6, -7, -8, -9
Matrix Spike	Calcium (Ca)-Dissolved	MS-B	L1626746-1, -10, -11, -12, -13, -14, -15, -16, -17, -18, -19, -2, -20, -21, -22, -23, -24, -25, -26, -3, -4, -5, -6, -7, -8, -9
Matrix Spike	Iron (Fe)-Dissolved	MS-B	L1626746-1, -10, -11, -12, -13, -14, -15, -16, -17, -18, -19, -2, -20, -21, -22, -23, -24, -25, -26, -3, -4, -5, -6, -7, -8, -9
Matrix Spike	Magnesium (Mg)-Dissolved	MS-B	L1626746-1, -10, -11, -12, -13, -14, -15, -16, -17, -18, -19, -2, -20, -21, -22, -23, -24, -25, -26, -3, -4, -5, -6, -7, -8, -9
Matrix Spike	Manganese (Mn)-Dissolved	MS-B	L1626746-1, -10, -11, -12, -13, -14, -15, -16, -17, -18, -19, -2, -20, -21, -22, -23, -24, -25, -26, -3, -4, -5, -6, -7, -8, -9
Matrix Spike	Sodium (Na)-Dissolved	MS-B	L1626746-1, -10, -11, -12, -13, -14, -15, -16, -17, -18, -19, -2, -20, -21, -22, -23, -24, -25, -26, -3, -4, -5, -6, -7, -8, -9
Matrix Spike	Strontium (Sr)-Dissolved	MS-B	L1626746-1, -10, -11, -12, -13, -14, -15, -16, -17, -18, -19, -2, -20, -21, -22, -23, -24, -25, -26, -3, -4, -5, -6, -7, -8, -9

Qualifiers for Individual Parameters Listed:

Qualifier	Description
B	Method Blank exceeds ALS DQO. All associated sample results are at least 5 times greater than blank levels and are considered reliable.
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**
ACY-PCT-VA	Water	Acidity by Automatic Titration	APHA 2310 "Acidity"

This analysis is carried out using procedures adapted from APHA Method 2310 "Acidity". Acidity is determined by potentiometric titration to a specified endpoint.

Samples of industrial wastes, acid mine drainage, or other solutions that contain appreciable amounts of hydrolyzable metal ions such as aluminum, iron, and manganese may require hot peroxide treatment to ensure oxidation and hydrolysis of reduced forms of polyvalent cations. Acidity results may be highly variable if this procedure is not followed. Results in this report for 'Acidity (as CaCO3)' have not been peroxide treated.

ACY-PCT-VA	Water	Acidity by Automatic Titration	APHA 2310 Acidity

This analysis is carried out using procedures adapted from APHA Method 2310 "Acidity". Acidity is determined by potentiometric titration to a specified endpoint.

Samples of industrial wastes, acid mine drainage, or other solutions that contain appreciable amounts of hydrolyzable metal ions such as aluminum, iron, and manganese may require hot peroxide treatment to ensure oxidation and hydrolysis of reduced forms of polyvalent cations. Acidity results may be highly variable if this procedure is not followed. Results in this report for 'Acidity (as CaCO3)' have not been peroxide treated.

ALK-PCT-VA	Water	Alkalinity by Auto. Titration	APHA 2320 "Alkalinity"

This analysis is carried out using procedures adapted from APHA Method 2320 "Alkalinity". Total alkalinity is determined by potentiometric titration to a pH 4.5 endpoint. Bicarbonate, carbonate and hydroxide alkalinity are calculated from phenolphthalein alkalinity and total alkalinity values.

ALK-PCT-VA	Water	Alkalinity by Auto. Titration	APHA 2320 Alkalinity

This analysis is carried out using procedures adapted from APHA Method 2320 "Alkalinity". Total alkalinity is determined by potentiometric titration to a pH 4.5 endpoint. Bicarbonate, carbonate and hydroxide alkalinity are calculated from phenolphthalein alkalinity and total alkalinity values.

CL-IC-N-WR	Water	Chloride in Water by IC	EPA 300.1 (mod)

Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.

EC-PCT-VA	Water	Conductivity (Automated)	APHA 2510 Auto. Conduc.

This analysis is carried out using procedures adapted from APHA Method 2510 "Conductivity". Conductivity is determined using a conductivity electrode.

HARDNESS-CALC-VA	Water	Hardness	APHA 2340B

Hardness (also known as Total Hardness) is calculated from the sum of Calcium and Magnesium concentrations, expressed in CaCO3 equivalents. Dissolved Calcium and Magnesium concentrations are preferentially used for the hardness calculation.

Reference Information

MET-D-CCMS-VA	Water	Dissolved Metals in Water by CRC ICPMS	APHA 3030B/6020A (mod)

Water samples are filtered (0.45 um), preserved with nitric acid, and analyzed by CRC ICPMS.

Method Limitation (re: Sulfur): Sulfide and volatile sulfur species may not be recovered by this method.

MET-T-CCMS-VA	Water	Total Metals in Water by CRC ICPMS	EPA 200.2/6020A (mod)

Water samples are digested with nitric and hydrochloric acids, and analyzed by CRC ICPMS.

Method Limitation (re: Sulfur): Sulfide and volatile sulfur species may not be recovered by this method.

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

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

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

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

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

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

SO4-IC-N-WR	Water	Sulfate in Water by IC	EPA 300.1 (mod)

Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.

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.

** 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 3

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

ALS Environmental

Canada Toll Free: 1 800 668 9878

www.alsglobal.com

L1626746-COFC

COC Number: 1 -

Page 1 of 3

Report To		Report Format / Distri	Turnaround Time (TAT) is not available for all tests)
Company:	Hemmera Environchem Inc.	Select Report Format: ☑PDF ☑EXCEL ☑EDD (DIGITAL)	R ☐ y 3 pm - business days)
Contact:	Natasha Sandys	Quality Control (QC) Report with Report ☑ Yes ☐ No	P ☐ Priority (2-4 bus. days if received by 3pm) 50% surcharge - contact ALS to confirm TAT
Address:	230 - 2237 2nd Avenue	☐ Criteria on Report - provide details below if box checked	E ☐ Emergency (1-2 bus. days if received by 3pm) 100% surcharge - contact ALS to confirm TAT
	Whitehorse, YT	Select Distribution: ☑EMAIL ☐MAIL ☐FAX	E2 ☐ Same day or weekend emergency - contact ALS to confirm TAT and surcharge
Phone:	867-456-4865	Email 1 or Fax nsandys@hemmera.com, jhains@hemmera.com, jc	Specify Date Required for E2,E or P:
		Email 2 chris@elr.ca	

Invoice To	Same as Report To ☑ Yes ☐ No	Invoice Distribution	Analysis Request
	Copy of Invoice with Report ☐ Yes ☑ No	Select Invoice Distribution: ☑EMAIL ☑MAIL ☐FAX	Indicate Filtered (F), Preserved (P) or Filtered and Preserved (F/P) below
Company:	Hemmera Environchem Inc.	Email 1 or Fax nsandys@hemmera.com	
Contact:	Natasha Sandys	Email 2 chris@elr.ca	

Project Information		Oil and Gas Required Fields (client use)	
ALS Quote #:	Q50399	Approver ID:	Cost Center:
Job #:	1343-005.08	GL Account:	Routing Code:
PO / AFE:		Activity Code:	
LSD:		Location:	

ALS Lab Work Order # (lab use only):

ALS Contact: Sean Slugget **Sampler:** JC,JH,MM,AN

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	acidity (to pH 8.3)	alkalinity	chloride	conductivity	pH	sulphate	suspended solids, total (TSS)	dissolved metals	F/P						Number of Containers
	P03-06-6	11-Jun-15	10:00	Water	R	R	R	R	R	R	R	R							2
	P03-06-1	11-Jun-15	10:45	Water	R	R	R	R	R	R	R	R							2
	P96-8A	10-Jun-15	16:57	Water	R	R	R	R	R	R	R	R							2
	X24-96D	11-Jun-15	13:15	Water	R	R	R	R	R	R	R	R							2
	P09-ETA-2	11-Jun-15	12:35	Water	R	R	R	R	R	R	R	R							2
	P09-C2	11-Jun-15	14:45	Water	R	R	R	R	R	R	R	R							2
	X25-96A	10-Jun-15	13:10	Water	R	R	R	R	R	R	R	R							2
	Dup-1	10-Jun-15	13:10	Water	R	R	R	R	R	R	R	R							2
	P05-01-03	11-Jun-15	16:40	Water	R	R	R	R	R	R	R	R							2
	P96-8B	10-Jun-15	18:00	Water	R	R	R	R	R	R	R	R							2
	P09-C3	10-Jun-15	16:05	Water	R	R	R	R	R	R	R	R							2
	P05-01-05	11-Jun-15	16:00	Water	R	R	R	R	R	R	R	R							2

Short Holding Time

Rush Processing

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? ☐ Yes ☑ No	- EDD must be in EQuIS format common to Faro Mine Remediation Project. Contact client if clarification is required.	Frozen ☐ SIF Observations Yes ☐ No ☐
Are samples for human drinking water use? ☐ Yes ☑ No	- See attached parameter sheet for required detection limits.	Ice packs Yes ☐ No ☐ Custody seal intact Yes ☐ No ☐
		Cooling Initiated ☐

INITIAL COOLER TEMPERATURES °C			FINAL COOLER TEMPERATURES °C		
1.2	2.2		7°C	8°C	

SHIPMENT RELEASE (client use)			INITIAL SHIPMENT RECEPTION (lab use only)			FINAL SHIPMENT RECEPTION (lab use only)		
Released by:	Date: June 15/15	Time: 10:45	Received by:	Date: 15-Jun-15	Time: 10:45	Received by: Shelly	Date: June 16	Time: 15:00

REFER TO BACK PAGE FOR ALS LOCATIONS AND SAMPLING INFORMATION WHITE - LABORATORY COPY YELLOW - CLIENT COPY

ALS FM-0329e v09 Front/04 January 2014

Failure to complete all portions of this form may delay analysis. Please fill in this form LEGIBLY. By the use of this form the user acknowledges and agrees with the Terms and Conditions as specified on the back page of the white - report copy.

ALS Environmental

www.alsglobal.com

Chain of Custody (COC) / Analytical Request Form

Canada Toll Free: 1 800 668 9878

L1626746-COFC

COC Number: 1 -

Report To		Report Format / Distribution	Select Service Level Below (Rush Turnaround Time (TAT) is not available for all tests)
Company:	Hemmera Environchem Inc.	Select Report Format: ☑PDF ☑EXCEL ☑EDD (DIGITAL)	R ☑Regular (Standard TAT if received by 3 pm - business days)
Contact:	Natasha Sandys	Quality Control (QC) Report with Report ☑ Yes ☐ No	P ☐Priority (2-4 bus. days if received by 3pm) 50% surcharge - contact ALS to confirm TAT
Address:	230 - 2237 2nd Avenue Whitehorse, YT	☐Criteria on Report - provide details below if box checked Select Distribution: ☑EMAIL ☐MAIL ☐FAX	E ☐Emergency (1-2 bus. days if received by 3pm) 100% surcharge - contact ALS to confirm TAT E2 ☐Same day or weekend emergency - contact ALS to confirm TAT and surcharge
Phone:	867-456-4865	Email 1 or Fax nsandys@hemmera.com, jhains@hemmera.com, jc	Specify Date Required for E2,E or P:
		Email 2 chris@elr.ca	

Invoice To	Same as Report To ☑ Yes ☐ No	Invoice Distribution	Analysis Request
	Copy of Invoice with Report ☐ Yes ☑ No	Select Invoice Distribution: ☑EMAIL ☑MAIL ☐FAX	Indicate Filtered (F), Preserved (P) or Filtered and Preserved (F/P) below
Company:	Hemmera Environchem Inc.	Email 1 or Fax nsandys@hemmera.com	
Contact:	Natasha Sandys	Email 2 chris@elr.ca	

Project Information		Oil and Gas Required Fields (client use)	
ALS Quote #:	Q50399	Approver ID:	Cost Center:
Job #:	1343-005.08	GL Account:	Routing Code:
PO / AFE:		Activity Code:	
LSD:		Location:	

ALS Lab Work Order # (lab use only)		ALS Contact: Sean Slugget	Sampler: JC,JH,MM,AN

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	acidity (to pH 8.3)	alkalinity	chloride	conductivity	pH	sulphate	suspended solids, total (TSS)	dissolved metals	F/P					Number of Containers
	P01-11	11-Jun-15	18:00	Water	R	R	R	R	R	R	R	R						2
	PW14-06	10-Jun-15	13:46	Water	R	R	R	R	R	R	R	R						2
	BH13B	11-Jun-15	13:21	Water	R	R	R	R	R	R	R	R						2
	BH14B	11-Jun-15	14:40	Water	R	R	R	R	R	R	R	R						2
	BH14A	11-Jun-15	14:24	Water	R	R	R	R	R	R	R	R						2
	SRK08-P9	11-Jun-15	11:52	Water	R	R	R	R	R	R	R	R						2
	SRK08-10A	11-Jun-15	10:40	Water	R	R	R	R	R	R	R	R						2
	SRK08-11A	11-Jun-15	9:44	Water	R	R	R	R	R	R	R	R						2
	Dup-2	11-Jun-15	9:44	Water	R	R	R	R	R	R	R	R						2
	SRK08-11B	11-Jun-15	9:27	Water	R	R	R	R	R	R	R	R						2
	FB-1	11-Jun-15	9:44	Water	R	R	R	R	R	R	R	R						2
	P01-01B	11-Jun-15	17:45	Water	R	R	R	R	R	R	R	R						2

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? ☐ Yes ☑ No	- EDD must be in EQuIS format common to Faro Mine Remediation Project. Contact client if clarification is required. - See attached parameter sheet for required detection limits.	Frozen ☐ SIF Observations Yes ☐ No ☐ Ice packs Yes ☐ No ☐ Custody seal intact Yes ☐ No ☐ Cooling Initiated ☐
Are samples for human drinking water use? ☐ Yes ☑ No		INITIAL COOLER TEMPERATURES °C: — FINAL COOLER TEMPERATURES °C: 7°C, 8°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:	Date:	Time:
							June 4	15:00

REFER TO BACK PAGE FOR ALS LOCATIONS AND SAMPLING INFORMATION WHITE - LABORATORY COPY YELLOW - CLIENT COPY

NA-PM-0328a v09 Front/04 January 2014

Failure to complete all portions of this form may delay analysis. Please fill in this form LEGIBLY. By the use of this form the user acknowledges and agrees with the Terms and Conditions as specified on the back page of the white - report copy.

Chain of Custody (COC) / Analytical Request Form

ALS Environmental
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Canada Toll Free: 1 800 668 9878

L1626746-COFC

COC Number: 1 -

Page 3 of 3

Report To		Report Format / Distribution		Turnaround Time (TAT) (Rush Turnaround Time (TAT) is not available for all tests)
Company:	Hemmera Environchem Inc.	Select Report Format:	☑ PDF ☑ EXCEL ☑ EDD (DIGITAL)	R ☑ Regular (Default if received by 3 pm - business days)
Contact:	Natasha Sandys	Quality Control (QC) Report with Report	☑ Yes ☐ No	P ☐ Priority (2-4 bus. days if received by 3pm) 50% surcharge - contact ALS to confirm TAT
Address:	230 - 2237 2nd Avenue Whitehorse, YT	☐ Criteria on Report - provide details below if box checked Select Distribution:	☑ EMAIL ☐ MAIL ☐ FAX	E ☐ Emergency (1-2 bus. days if received by 3pm) 100% surcharge - contact ALS to confirm TAT E2 ☐ Same day or weekend emergency - contact ALS to confirm TAT and surcharge
Phone:	867-456-4865	Email 1 or Fax	nsandys@hemmera.com, jhains@hemmera.com, jc	Specify Date Required for E2,E or P:
		Email 2	chris@elr.ca	

Invoice To		Invoice Distribution	
	Same as Report To ☑ Yes ☐ No	Select Invoice Distribution:	☑ EMAIL ☑ MAIL ☐ FAX
	Copy of Invoice with Report ☐ Yes ☑ No		
Company:	Hemmera Environchem Inc.	Email 1 or Fax	nsandys@hemmera.com
Contact:	Natasha Sandys	Email 2	chris@elr.ca

Project Information		Oil and Gas Required Fields (client use)	
ALS Quote #:	Q50399	Approver ID:	Cost Center:
Job #:	1343-005.08	GL Account:	Routing Code:
PO / AFE:		Activity Code:	
LSD:		Location:	

ALS Lab Work Order # (lab use only):

ALS Contact: Sean Slugget **Sampler:** JC,JH,MM,AN

Analysis Request

Indicate Filtered (F), Preserved (P) or Filtered and Preserved (F/P) below

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	acidity (to pH 8.3)	alkalinity	chloride	conductivity	pH	sulphate	suspended solids, total (TSS)	dissolved metals (F/P)						Number of Containers
	X25-96B	10-Jun-15	13:55	Water	R	R	R	R	R	R	R	R						2
	P01-01A	11-Jun-15	17:05	Water	R	R	R	R	R	R	R	R						2
	Travel Blank			Water	R	R	R	R	R	R	R	R						2
				Water														
				Water														
				Water														
				Water														
				Water														
				Water														
				Water														
				Water														
				Water														

Drinking Water (DW) Samples[1] (client use)

Are samples taken from a Regulated DW System? ☐ Yes ☑ No

Are samples for human drinking water use? ☐ Yes ☑ No

Special Instructions / Specify Criteria to add on report (client Use)

- EDD must be in EQuIS format common to Faro Mine Remediation Project. Contact client if clarification is required.
- See attached parameter sheet for required detection limits.

SAMPLE CONDITION AS RECEIVED (lab use only)

Frozen ☐ SIF Observations Yes ☐ No ☐

Ice packs Yes ☐ No ☐ Custody seal intact Yes ☐ No ☐

Cooling Initiated ☐

INITIAL COOLER TEMPERATURES °C			FINAL COOLER TEMPERATURES °C		
			7°C	8°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: Shafeq	Date: June 16	Time: 15:00

REFER TO BACK PAGE FOR ALS LOCATIONS AND SAMPLING INFORMATION WHITE - LABORATORY COPY YELLOW - CLIENT COPY

ALS FM-0326e v09 Front/04 January 2014

Failure to complete all portions of this form may delay analysis. Please fill in this form LEGIBLY. By the use of this form the user acknowledges and agrees with the Terms and Conditions as specified on the back page of the white - report copy.