



HEMMERA ENVIROCHEM INC.
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Date Received: 16-JUN-15
Report Date: 30-JUN-15 11:08 (MT)
Version: FINAL

Client Phone: 867-456-4865

Certificate of Analysis

Lab Work Order #: L1627328
Project P.O. #: NOT SUBMITTED
Job Reference: 1343-005.08
C of C Numbers: 1, 2, 3, 4, 5
Legal Site Desc:

Brent Mack, B.Sc.
Account Manager

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ALS ENVIRONMENTAL ANALYTICAL REPORT

	Sample ID Description Sampled Date Sampled Time Client ID	L1627328-1	L1627328-2	L1627328-3	L1627328-4	L1627328-5
		Water 13-JUN-15 11:08 V37	Water 12-JUN-15 17:05 P09-VC1	Water 12-JUN-15 16:50 P09-VC2	Water 12-JUN-15 15:03 SRK05-9	Water 12-JUN-15 14:00 SRK05-5C
Grouping	Analyte					
WATER						
Physical Tests	Conductivity (uS/cm)	1240	346	364	1510	771
	Hardness (as CaCO3) (mg/L)	654	143	188	1020	385
	pH (pH)	7.73	8.09	7.58	7.68	7.84
	Total Suspended Solids (mg/L)	91.6	73.8	622	68.2	12.0
Anions and Nutrients	Acidity (as CaCO3) (mg/L)	6.1	<1.0	2.7	6.1	1.8
	Alkalinity, Total (as CaCO3) (mg/L)	516	129	167	307	185
	Chloride (Cl) (mg/L)	<1.0 ^{DLA}	<0.50	<0.50	<2.5 ^{DLA}	<0.50
	Sulfate (SO4) (mg/L)	276	58.5	37.0	698	253
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)						
Sulfur (S)-Total (mg/L)						

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

ALS ENVIRONMENTAL ANALYTICAL REPORT

30-JUN-15 11:08 (MT)

Version: FINAL

Sample ID	Description	Sampled Date	Sampled Time	Client ID	L1627328-6	L1627328-7	L1627328-8	L1627328-9	L1627328-10
					Water	Water	Water	Water	Water
		12-JUN-15	12:30	P96-9A	12-JUN-15	11:15	12-JUN-15	09:40	13-JUN-15
					P96-9A	SRK05-8	BH05-9B-R	SRK05-07	P09-GSIA
Grouping	Analyte								
WATER									
Physical Tests	Conductivity (uS/cm)	2610	2560	592	2980	1540			
	Hardness (as CaCO3) (mg/L)	1980	1930	212	2350	973			
	pH (pH)	7.47	7.21	7.99	7.33	7.47			
	Total Suspended Solids (mg/L)	9.8	1.6	428	2.0	2.2			
Anions and Nutrients	Acidity (as CaCO3) (mg/L)	19.7	33.2	1.3	28.2	15.9			
	Alkalinity, Total (as CaCO3) (mg/L)	456	586	148	532	347			
	Chloride (Cl) (mg/L)	<5.0 ^{DLA}	<5.0 ^{DLA}	1.04	<10 ^{DLA}	<2.5 ^{DLA}			
	Sulfate (SO4) (mg/L)	1520	1270	166	1850	694			
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)									
Sulfur (S)-Total (mg/L)									

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ALS ENVIRONMENTAL ANALYTICAL REPORT

		Sample ID	L1627328-11	L1627328-12	L1627328-13	L1627328-14	L1627328-15
		Description	Water	Water	Water	Water	Water
		Sampled Date	13-JUN-15	13-JUN-15	13-JUN-15	13-JUN-15	13-JUN-15
		Sampled Time	10:10	16:15	15:47	15:25	14:36
		Client ID	P09-GSIB	S1A	SRK08-SP-7A	SRK05-SP-5	SRK05-SP-4A
Grouping	Analyte						
WATER							
Physical Tests	Conductivity (uS/cm)		1480	1640	710	9450	1220
	Hardness (as CaCO3) (mg/L)		927	980	355	8500	668
	pH (pH)		7.20	6.10	6.52	6.20	6.18
	Total Suspended Solids (mg/L)		28.0	438	218	124	26.3
Anions and Nutrients	Acidity (as CaCO3) (mg/L)		15.2	150	29.6	1220	117
	Alkalinity, Total (as CaCO3) (mg/L)		255	276	108	171	288
	Chloride (Cl) (mg/L)		<2.5 ^{DLA}	<2.5 ^{DLA}	<0.50	<25 ^{DLA}	<1.0 ^{DLA}
	Sulfate (SO4) (mg/L)		721	821	280	10200	218
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)							
Sulfur (S)-Total (mg/L)							

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ALS ENVIRONMENTAL ANALYTICAL REPORT

	Sample ID Description Sampled Date Sampled Time Client ID	L1627328-16 Water 13-JUN-15 14:30 P09-LCD6	L1627328-17 Water 13-JUN-15 10:15 P2001-3	L1627328-18 Water 13-JUN-15 10:10 V36	L1627328-19 Water 13-JUN-15 15:30 P09-LCD1	L1627328-20 Water 13-JUN-15 16:10 V34
Grouping	Analyte					
WATER						
Physical Tests	Conductivity (uS/cm)	987	909	2770	935	2010
	Hardness (as CaCO3) (mg/L)	585	470	2190	519	1450
	pH (pH)	7.49	7.78	7.16	7.63	7.17
	Total Suspended Solids (mg/L)	28.0	90.4	11.2	10.8	16.0
Anions and Nutrients	Acidity (as CaCO3) (mg/L)	9.3	5.6	36.4	5.7	42.5
	Alkalinity, Total (as CaCO3) (mg/L)	271	467	615	299	940
	Chloride (Cl) (mg/L)	<1.0 ^{DLA}	<1.0 ^{DLA}	<5.0 ^{DLA}	<1.0 ^{DLA}	<5.0 ^{DLA}
	Sulfate (SO4) (mg/L)	238	111	1620	86.1	577
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)						
Sulfur (S)-Total (mg/L)						

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ALS ENVIRONMENTAL ANALYTICAL REPORT

	Sample ID Description Sampled Date Sampled Time Client ID	L1627328-21	L1627328-22	L1627328-23	L1627328-24	L1627328-25
		Water 13-JUN-15 17:35 V35	Water 14-JUN-15 17:15 P09-SIS1	Water 14-JUN-15 16:40 S2B	Water 14-JUN-15 16:00 S2A	Water 14-JUN-15 14:10 SRK08-SP7B
Grouping	Analyte					
WATER						
Physical Tests	Conductivity (uS/cm)	3420	9230	8270	1620	250
	Hardness (as CaCO3) (mg/L)	2980	8460	7220	1020	114
	pH (pH)	7.46	6.34	6.28	6.13	6.94
	Total Suspended Solids (mg/L)	8.4	112	67.6	103	<1.0
Anions and Nutrients	Acidity (as CaCO3) (mg/L)	39.3	1070	1090	126	17.5
	Alkalinity, Total (as CaCO3) (mg/L)	734	151	182	301	88.4
	Chloride (Cl) (mg/L)	<10 ^{DLA}	<25 ^{DLA}	<25 ^{DLA}	<2.5 ^{DLA}	<0.50
	Sulfate (SO4) (mg/L)	2220	12500	10500	836	49.4
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)						
Sulfur (S)-Total (mg/L)						

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ALS ENVIRONMENTAL ANALYTICAL REPORT

	Sample ID Description Sampled Date Sampled Time Client ID	L1627328-26 Water 14-JUN-15 13:10 MW14-08	L1627328-27 Water 14-JUN-15 12:30 MW14-10	L1627328-28 Water 14-JUN-15 11:10 MW14-11	L1627328-29 Water 14-JUN-15 10:00 SRK08-SP-8A	L1627328-30 Water 14-JUN-15 10:15 SRK08-SP-8B
Grouping	Analyte					
WATER						
Physical Tests	Conductivity (uS/cm)	551	911	534	1970	2130
	Hardness (as CaCO3) (mg/L)	251	342	275	671	1470
	pH (pH)	7.46	7.80	7.16	6.46	6.47
	Total Suspended Solids (mg/L)	204	7.0	30.0	224	192
Anions and Nutrients	Acidity (as CaCO3) (mg/L)	10.6	5.1	15.9	84.3	70.3
	Alkalinity, Total (as CaCO3) (mg/L)	314	300	241	349	317
	Chloride (Cl) (mg/L)	5.62	<1.0 ^{DLA}	<0.50	<2.5 ^{DLA}	<5.0 ^{DLA}
	Sulfate (SO4) (mg/L)	14.1	240	70.5	1050	1250
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)						
Sulfur (S)-Total (mg/L)						

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ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample ID	Description	Sampled Date	Sampled Time	Client ID	L1627328-31	L1627328-32	L1627328-33	L1627328-34	L1627328-35
					Water	Water	Water	Water	Water
		14-JUN-15	09:10	P96-7	14-JUN-15	14-JUN-15	14-JUN-15	14-JUN-15	14-JUN-15
					09:10	18:00	17:50	17:10	11:20
					P96-7	P09-SIS2	SRK05-SP-4B	P09-SIS3	MW14-13
Grouping	Analyte								
WATER									
Physical Tests	Conductivity (uS/cm)	2670	8800	7020	9170	1380			
	Hardness (as CaCO3) (mg/L)	2250	8750	7350	9570	911			
	pH (pH)	7.76	5.96	6.46	6.26	6.05			
	Total Suspended Solids (mg/L)	<1.0	14.2	18.0	13.4	4.0			
Anions and Nutrients	Acidity (as CaCO3) (mg/L)	8.6	1210	778	1510	159			
	Alkalinity, Total (as CaCO3) (mg/L)	231	70.8	151	167	410			
	Chloride (Cl) (mg/L)	<5.0 ^{DLA}	<25 ^{DLA}	21	<25 ^{DLA}	<2.5 ^{DLA}			
	Sulfate (SO4) (mg/L)	1710	12400	5830	1670	510			
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)									
Sulfur (S)-Total (mg/L)									

* 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	L1627328-36 Water 14-JUN-15 12:10 MW14-16	L1627328-37 Water 14-JUN-15 13:05 MW14-12D	L1627328-38 Water 14-JUN-15 14:05 MW14-15	L1627328-39 Water 14-JUN-15 14:45 P96-06	L1627328-40 Water 15-JUN-15 09:30 S1B
Grouping	Analyte					
WATER						
Physical Tests	Conductivity (uS/cm)	923	560	846	1220	773
	Hardness (as CaCO3) (mg/L)	556	322	431	821	411
	pH (pH)	6.31	6.28	7.14	6.99	6.85
	Total Suspended Solids (mg/L)	1.6	8.8	393	6.6	19.4
Anions and Nutrients	Acidity (as CaCO3) (mg/L)	48.9	37.3	14.6	28.2	17.0
	Alkalinity, Total (as CaCO3) (mg/L)	203	181	95.9	303	295
	Chloride (Cl) (mg/L)	<0.50	<0.50	<0.50	<1.0 ^{DLA}	<0.50
	Sulfate (SO4) (mg/L)	342	138	379	505	165
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)						
Sulfur (S)-Total (mg/L)						

* 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	L1627328-41	L1627328-42	L1627328-43	L1627328-44	L1627328-45
		Water 15-JUN-15 08:30 MW14-14	Water 15-JUN-15 09:05 P03-06-02	Water 12-JUN-15 11:15 DUP-3	Water 13-JUN-15 14:36 DUP-4	Water 13-JUN-15 14:36 FB-2
Grouping	Analyte					
WATER						
Physical Tests	Conductivity (uS/cm)	1230	4270	2480	1210	<2.0
	Hardness (as CaCO3) (mg/L)	847	1880	1960	752	<0.50
	pH (pH)	6.94	4.56	7.42	6.18	5.58
	Total Suspended Solids (mg/L)	117	1320	6.4	30.0	<1.0
Anions and Nutrients	Acidity (as CaCO3) (mg/L)	29.6	1520	31.8	125	1.1
	Alkalinity, Total (as CaCO3) (mg/L)	72.9	<1.0	602	291	<1.0
	Chloride (Cl) (mg/L)	<2.5 ^{DLA}	<10 ^{DLA}	<5.0 ^{DLA}	<2.5 ^{DLA}	<0.50
	Sulfate (SO4) (mg/L)	709	4150	1270	444	<0.30
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)						
Sulfur (S)-Total (mg/L)						

* 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	L1627328-46 Water 13-JUN-15 14:30 DUP-5	L1627328-47 Water 14-JUN-15 11:10 DUP-6	L1627328-48 Water 14-JUN-15 11:10 FB-3	L1627328-49 Water 14-JUN-15 11:20 DUP-7	L1627328-50 Water 14-JUN-15 18:00 FB-4
Grouping	Analyte					
WATER						
Physical Tests	Conductivity (uS/cm)	970	537	<2.0	1380	<2.0
	Hardness (as CaCO3) (mg/L)	626	296	<0.50	809	<0.50
	pH (pH)	7.69	7.15	5.55	6.07	5.61
	Total Suspended Solids (mg/L)	22.8	48.8	<1.0	4.6	<1.0
Anions and Nutrients	Acidity (as CaCO3) (mg/L)	8.7	14.5	<1.0	108	<1.0
	Alkalinity, Total (as CaCO3) (mg/L)	276	236	<1.0	416	<1.0
	Chloride (Cl) (mg/L)	<1.0 ^{DLA}	<0.50	<0.50	<2.5 ^{DLA}	<0.50
	Sulfate (SO4) (mg/L)	341	81.0	<0.30	492	<0.30
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)						
Sulfur (S)-Total (mg/L)						

* 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	L1627328-51 Water 15-JUN-15 13:25 P09-SIS4	L1627328-52 Water 15-JUN-15 13:15 P09-SIS5	L1627328-53 Water 14-JUN-15 09:30 P09-LCD4	L1627328-54 Water 14-JUN-15 08:40 P2001-2A	L1627328-55 Water 14-JUN-15 08:50 P2001-2B
Grouping	Analyte					
WATER						
Physical Tests	Conductivity (uS/cm)	6220	4530	795	2970	2860
	Hardness (as CaCO3) (mg/L)	6290	3910	335	2580	2260
	pH (pH)	7.04	7.11	8.13	6.99	7.13
	Total Suspended Solids (mg/L)	33.6	162	311	61.0	33.4
Anions and Nutrients	Acidity (as CaCO3) (mg/L)	228	60.7	<1.0	62.8	50.4
	Alkalinity, Total (as CaCO3) (mg/L)	267	473	365	823	804
	Chloride (Cl) (mg/L)	<10 ^{DLA}	<10 ^{DLA}	<0.50	<10 ^{DLA}	<10 ^{DLA}
	Sulfate (SO4) (mg/L)	5440	4160	117	1830	1740
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)						
Sulfur (S)-Total (mg/L)						

* 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	L1627328-56 Water	TRAVEL BLANK 2		
Grouping	Analyte				
WATER					
Physical Tests	Conductivity (uS/cm)	<2.0			
	Hardness (as CaCO3) (mg/L)	<0.50			
	pH (pH)	5.82			
	Total Suspended Solids (mg/L)	<1.0			
Anions and Nutrients	Acidity (as CaCO3) (mg/L)	<1.0			
	Alkalinity, Total (as CaCO3) (mg/L)	<1.0			
	Chloride (Cl) (mg/L)	<0.50			
	Sulfate (SO4) (mg/L)	<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			
	Sulfur (S)-Total (mg/L)	<0.50			

* 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		L1627328-1 Water 13-JUN-15 11:08 V37	L1627328-2 Water 12-JUN-15 17:05 P09-VC1	L1627328-3 Water 12-JUN-15 16:50 P09-VC2	L1627328-4 Water 12-JUN-15 15:03 SRK05-9	L1627328-5 Water 12-JUN-15 14:00 SRK05-5C
Grouping	Analyte					
WATER						
Total Metals	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)	<0.0010	0.0027	0.0023	0.0019	<0.0010
	Antimony (Sb)-Dissolved (mg/L)	0.00022	<0.00010	0.00055	0.00027	<0.00010
	Arsenic (As)-Dissolved (mg/L)	0.00810	0.00154	0.116	0.00072	0.00534
	Barium (Ba)-Dissolved (mg/L)	0.0360	0.0190	0.0430	0.0362	0.105
	Beryllium (Be)-Dissolved (mg/L)	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
	Bismuth (Bi)-Dissolved (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Boron (B)-Dissolved (mg/L)	0.038	<0.010	<0.010	<0.010	0.013
	Cadmium (Cd)-Dissolved (mg/L)	0.0000096	<0.0000050	<0.0000050	0.000147	0.0000211
	Calcium (Ca)-Dissolved (mg/L)	93.0	42.9	56.8	186	103
	Cesium (Cs)-Dissolved (mg/L)	0.000014	0.000547	0.000034	<0.000010	<0.000010
	Chromium (Cr)-Dissolved (mg/L)	<0.00010	<0.00010	<0.00010	0.00028	<0.00010
	Cobalt (Co)-Dissolved (mg/L)	0.00024	<0.00010	0.00027	<0.00010	0.00070
	Copper (Cu)-Dissolved (mg/L)	0.00022	<0.00020	<0.00020	0.00166	<0.00020
	Iron (Fe)-Dissolved (mg/L)	0.068	0.340	1.73	<0.010	0.254
	Lead (Pb)-Dissolved (mg/L)	<0.000050	0.000151	0.000367	0.000325	<0.000050
	Lithium (Li)-Dissolved (mg/L)	0.0283	0.0032	0.0074	0.0059	0.0093
	Magnesium (Mg)-Dissolved (mg/L)	102	8.64	11.1	134	31.2
	Manganese (Mn)-Dissolved (mg/L)	0.0764	0.0132	0.0960	0.00032	1.20
	Molybdenum (Mo)-Dissolved (mg/L)	0.0233	0.000379	0.00971	0.00138	0.0188
	Nickel (Ni)-Dissolved (mg/L)	0.00167	0.00654	<0.00050	0.00105	0.00166
	Phosphorus (P)-Dissolved (mg/L)	2.81	<0.050	<0.050	<0.050	<0.050
	Potassium (K)-Dissolved (mg/L)	6.03	0.998	1.16	2.99	1.87
	Rubidium (Rb)-Dissolved (mg/L)	0.00257	0.00160	0.00193	<0.00020	0.00141
	Selenium (Se)-Dissolved (mg/L)	0.00128	<0.000050	<0.000050	0.000676	<0.000050
	Silicon (Si)-Dissolved (mg/L)	4.85	6.00	6.73	3.99	5.57
	Silver (Ag)-Dissolved (mg/L)	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010

* 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	L1627328-6 Water 12-JUN-15 12:30 P96-9A	L1627328-7 Water 12-JUN-15 11:15 SRK05-8	L1627328-8 Water 12-JUN-15 12:30 BH05-9B-R	L1627328-9 Water 12-JUN-15 09:40 SRK05-07	L1627328-10 Water 13-JUN-15 09:56 P09-GSIA
Grouping	Analyte					
WATER						
Total Metals	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)	0.0032	<0.0020 ^{DLA}	0.0027	<0.0020 ^{DLA}	0.0016
	Antimony (Sb)-Dissolved (mg/L)	<0.00020 ^{DLA}	<0.00020 ^{DLA}	<0.00010	0.00025	0.00974
	Arsenic (As)-Dissolved (mg/L)	0.00046	0.00025	0.0178	0.00139	0.100
	Barium (Ba)-Dissolved (mg/L)	0.0392	0.0108	0.0167	0.0443	0.00933
	Beryllium (Be)-Dissolved (mg/L)	<0.00020 ^{DLA}	<0.00020 ^{DLA}	<0.00010	<0.00020 ^{DLA}	<0.00010
	Bismuth (Bi)-Dissolved (mg/L)	<0.00010 ^{DLA}	<0.00010 ^{DLA}	<0.000050	<0.00010 ^{DLA}	<0.000050
	Boron (B)-Dissolved (mg/L)	<0.020	<0.020	0.040	<0.020	<0.010
	Cadmium (Cd)-Dissolved (mg/L)	0.000536	0.000028	<0.0000050	0.000089	0.00111
	Calcium (Ca)-Dissolved (mg/L)	315	410	48.6	472	236
	Cesium (Cs)-Dissolved (mg/L)	<0.000020 ^{DLA}	<0.000020 ^{DLA}	0.000156	0.000020	0.00235
	Chromium (Cr)-Dissolved (mg/L)	0.00033	0.00046	<0.00010	0.00053	<0.00010
	Cobalt (Co)-Dissolved (mg/L)	<0.00020 ^{DLA}	<0.00020 ^{DLA}	<0.00010	0.00046	0.0602
	Copper (Cu)-Dissolved (mg/L)	0.00253	0.00258	<0.00020	0.00091	<0.00020
	Iron (Fe)-Dissolved (mg/L)	0.021	<0.020 ^{DLA}	0.762	<0.020 ^{DLA}	1.13
	Lead (Pb)-Dissolved (mg/L)	<0.00010 ^{DLA}	0.00011	0.000185	0.00011	0.0323
	Lithium (Li)-Dissolved (mg/L)	0.0109	0.0181	0.0220	0.0103	0.0069
	Magnesium (Mg)-Dissolved (mg/L)	289	220	22.1	286	93.0
	Manganese (Mn)-Dissolved (mg/L)	0.0157	<0.00020 ^{DLA}	0.106	0.00598	1.74
	Molybdenum (Mo)-Dissolved (mg/L)	0.00084	0.00042	0.0106	0.00049	0.00250
	Nickel (Ni)-Dissolved (mg/L)	0.0148	0.0015	<0.00050	0.0136	0.120
	Phosphorus (P)-Dissolved (mg/L)	<0.10 ^{DLA}	<0.10 ^{DLA}	<0.050	<0.10 ^{DLA}	<0.050
	Potassium (K)-Dissolved (mg/L)	4.62	1.95	1.87	2.61	4.32
	Rubidium (Rb)-Dissolved (mg/L)	<0.00040 ^{DLA}	0.00089	0.00319	0.00189	0.00561
	Selenium (Se)-Dissolved (mg/L)	0.00023	0.00027	<0.000050	0.00071	<0.000050
	Silicon (Si)-Dissolved (mg/L)	5.40	6.61	6.41	6.61	2.23
	Silver (Ag)-Dissolved (mg/L)	<0.000020 ^{DLA}	<0.000020 ^{DLA}	<0.000010	<0.000020 ^{DLA}	<0.000010

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

ALS ENVIRONMENTAL ANALYTICAL REPORT

		Sample ID	L1627328-11	L1627328-12	L1627328-13	L1627328-14	L1627328-15
		Description	Water	Water	Water	Water	Water
		Sampled Date	13-JUN-15	13-JUN-15	13-JUN-15	13-JUN-15	13-JUN-15
		Sampled Time	10:10	16:15	15:47	15:25	14:36
		Client ID	P09-GSIB	S1A	SRK08-SP-7A	SRK05-SP-5	SRK05-SP-4A
Grouping	Analyte						
WATER							
Total Metals	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	FIELD
	Aluminum (Al)-Dissolved (mg/L)	0.0022	0.0201	0.0048	<0.10 ^{DLA}	0.0240	
	Antimony (Sb)-Dissolved (mg/L)	0.00079	<0.00020 ^{DLA}	<0.00010	<0.010 ^{DLA}	<0.00020 ^{DLA}	
	Arsenic (As)-Dissolved (mg/L)	1.57	<0.00020 ^{DLA}	0.00439	<0.010 ^{DLA}	0.00031	
	Barium (Ba)-Dissolved (mg/L)	0.0225	0.0151	0.0161	0.0183	0.0103	
	Beryllium (Be)-Dissolved (mg/L)	<0.00010	<0.00020 ^{DLA}	0.00024	<0.010 ^{DLA}	0.00074	
	Bismuth (Bi)-Dissolved (mg/L)	<0.000050	<0.00010 ^{DLA}	<0.000050	<0.0050 ^{DLA}	<0.00010 ^{DLA}	
	Boron (B)-Dissolved (mg/L)	0.015	<0.020 ^{DLA}	<0.010	<1.0	<0.020	
	Cadmium (Cd)-Dissolved (mg/L)	<0.0000050	0.00194	0.0000269	0.396	0.00199	
	Calcium (Ca)-Dissolved (mg/L)	236	189	89.0	427	135	
	Cesium (Cs)-Dissolved (mg/L)	0.000889	0.000115	0.000192	<0.0010 ^{DLA}	0.000366	
	Chromium (Cr)-Dissolved (mg/L)	<0.00010	<0.00020 ^{DLA}	<0.00010	<0.010 ^{DLA}	<0.00020 ^{DLA}	
	Cobalt (Co)-Dissolved (mg/L)	0.00177	0.0190	0.00446	2.50	0.0387	
	Copper (Cu)-Dissolved (mg/L)	<0.00020	0.00040	<0.00020	<0.020 ^{DLA}	<0.00040 ^{DLA}	
	Iron (Fe)-Dissolved (mg/L)	3.64	18.9	11.6	2.4	18.3	
	Lead (Pb)-Dissolved (mg/L)	0.000129	<0.00010 ^{DLA}	0.000053	<0.0050 ^{DLA}	0.00022	
	Lithium (Li)-Dissolved (mg/L)	0.0127	0.0547	0.0381	0.23	0.0690	
	Magnesium (Mg)-Dissolved (mg/L)	81.9	123	32.3	1810	80.3	
	Manganese (Mn)-Dissolved (mg/L)	0.517	8.95	0.988	186	4.10	
	Molybdenum (Mo)-Dissolved (mg/L)	0.00299	0.00013	0.000113	<0.0050 ^{DLA}	<0.00010 ^{DLA}	
	Nickel (Ni)-Dissolved (mg/L)	0.0161	0.0855	0.0109	3.84	0.0937	
	Phosphorus (P)-Dissolved (mg/L)	0.063	<0.10 ^{DLA}	<0.050	<5.0 ^{DLA}	<0.10 ^{DLA}	
	Potassium (K)-Dissolved (mg/L)	2.73	5.74	4.06	15.7	5.40	
	Rubidium (Rb)-Dissolved (mg/L)	0.00552	0.00157	0.00692	<0.020 ^{DLA}	0.00885	
	Selenium (Se)-Dissolved (mg/L)	<0.000050	<0.00010 ^{DLA}	<0.000050	<0.0050 ^{DLA}	<0.00010 ^{DLA}	
	Silicon (Si)-Dissolved (mg/L)	7.39	14.5	12.3	13.1	15.0	
	Silver (Ag)-Dissolved (mg/L)	<0.000010	<0.000020 ^{DLA}	<0.000010	<0.0010 ^{DLA}	<0.000020 ^{DLA}	

* 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	L1627328-16 Water 13-JUN-15 14:30 P09-LCD6	L1627328-17 Water 13-JUN-15 10:15 P2001-3	L1627328-18 Water 13-JUN-15 10:10 V36	L1627328-19 Water 13-JUN-15 15:30 P09-LCD1	L1627328-20 Water 13-JUN-15 16:10 V34
Grouping	Analyte					
WATER						
Total Metals	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)	<0.0010	0.0013	0.0025	0.0012	0.0012
	Antimony (Sb)-Dissolved (mg/L)	<0.00010	<0.00010	<0.00020 ^{DLA}	0.00015	<0.00010
	Arsenic (As)-Dissolved (mg/L)	0.130	0.00283	0.00205	0.111	0.00172
	Barium (Ba)-Dissolved (mg/L)	0.0458	0.0278	0.00786	0.0401	0.0402
	Beryllium (Be)-Dissolved (mg/L)	<0.00010	<0.00010	<0.00020 ^{DLA}	<0.00010	<0.00010
	Bismuth (Bi)-Dissolved (mg/L)	<0.000050	<0.000050	<0.00010 ^{DLA}	<0.000050	<0.000050
	Boron (B)-Dissolved (mg/L)	0.012	0.023	<0.020 ^{DLA}	0.013	0.023
	Cadmium (Cd)-Dissolved (mg/L)	0.0000207	0.000521	0.000233	0.0000414	<0.0000050
	Calcium (Ca)-Dissolved (mg/L)	160	90.9	422	144	219
	Cesium (Cs)-Dissolved (mg/L)	0.000026	0.000530	0.000048	0.000017	0.000012
	Chromium (Cr)-Dissolved (mg/L)	<0.00010	<0.00010	<0.00020 ^{DLA}	<0.00010	<0.00010
	Cobalt (Co)-Dissolved (mg/L)	0.00131	0.00073	0.00107	0.00057	0.00191
	Copper (Cu)-Dissolved (mg/L)	<0.00020	0.00150	<0.00040 ^{DLA}	<0.00020	<0.00020
	Iron (Fe)-Dissolved (mg/L)	7.83	0.026	<0.020 ^{DLA}	4.80	2.19
	Lead (Pb)-Dissolved (mg/L)	0.00865	<0.000050	0.00062	0.0254	0.000084
	Lithium (Li)-Dissolved (mg/L)	0.0095	0.0100	0.0457	0.0102	0.0326
	Magnesium (Mg)-Dissolved (mg/L)	45.2	59.1	277	38.6	218
	Manganese (Mn)-Dissolved (mg/L)	0.575	0.758	0.0971	0.682	0.0703
	Molybdenum (Mo)-Dissolved (mg/L)	0.00226	0.0108	0.00163	0.00487	0.00136
	Nickel (Ni)-Dissolved (mg/L)	0.00128	0.00182	0.0113	0.00077	0.00449
	Phosphorus (P)-Dissolved (mg/L)	0.069	<0.050	<0.10 ^{DLA}	0.061	<0.050
	Potassium (K)-Dissolved (mg/L)	2.54	3.20	5.79	2.86	4.97
	Rubidium (Rb)-Dissolved (mg/L)	0.00118	0.00281	0.00218	0.00118	0.00310
	Selenium (Se)-Dissolved (mg/L)	<0.000050	<0.000050	0.00054	<0.000050	<0.000050
	Silicon (Si)-Dissolved (mg/L)	7.70	6.97	7.60	7.38	7.75
	Silver (Ag)-Dissolved (mg/L)	<0.000010	<0.000010	<0.000020 ^{DLA}	<0.000010	<0.000010

* 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	L1627328-21 Water 13-JUN-15 17:35 V35	L1627328-22 Water 14-JUN-15 17:15 P09-SIS1	L1627328-23 Water 14-JUN-15 16:40 S2B	L1627328-24 Water 14-JUN-15 16:00 S2A	L1627328-25 Water 14-JUN-15 14:10 SRK08-SP7B
Grouping	Analyte				
WATER					
Total Metals	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
	Aluminum (Al)-Dissolved (mg/L)	<0.0020 ^{DLA}	0.21	<0.10 ^{DLA}	0.0138
	Antimony (Sb)-Dissolved (mg/L)	0.00038	<0.010 ^{DLA}	<0.010 ^{DLA}	<0.00010
	Arsenic (As)-Dissolved (mg/L)	0.00075	<0.010 ^{DLA}	<0.010 ^{DLA}	0.00024
	Barium (Ba)-Dissolved (mg/L)	0.0110	0.0191	0.0147	0.0166
	Beryllium (Be)-Dissolved (mg/L)	<0.00020 ^{DLA}	<0.010 ^{DLA}	<0.010 ^{DLA}	0.00010
	Bismuth (Bi)-Dissolved (mg/L)	<0.00010 ^{DLA}	<0.0050 ^{DLA}	<0.0050 ^{DLA}	<0.000050
	Boron (B)-Dissolved (mg/L)	<0.020 ^{DLA}	<1.0	<1.0	<0.010
	Cadmium (Cd)-Dissolved (mg/L)	0.000195	0.287	0.145	0.000895
	Calcium (Ca)-Dissolved (mg/L)	588	475	455	229
	Cesium (Cs)-Dissolved (mg/L)	<0.000020 ^{DLA}	<0.0010 ^{DLA}	<0.0010 ^{DLA}	<0.000010
	Chromium (Cr)-Dissolved (mg/L)	<0.00020 ^{DLA}	<0.010 ^{DLA}	<0.010 ^{DLA}	<0.00010
	Cobalt (Co)-Dissolved (mg/L)	<0.00020 ^{DLA}	1.84	1.85	0.0254
	Copper (Cu)-Dissolved (mg/L)	0.00086 ^{DLA}	<0.020 ^{DLA}	<0.020 ^{DLA}	0.00038
	Iron (Fe)-Dissolved (mg/L)	<0.020 ^{DLA}	16.9	14.1	21.5
	Lead (Pb)-Dissolved (mg/L)	0.00011	<0.0050 ^{DLA}	<0.0050 ^{DLA}	0.000421
	Lithium (Li)-Dissolved (mg/L)	0.0366	0.27	0.17	0.0581
	Magnesium (Mg)-Dissolved (mg/L)	366	1770	1480	108
	Manganese (Mn)-Dissolved (mg/L)	0.0175	158	152	5.05
	Molybdenum (Mo)-Dissolved (mg/L)	0.00137	<0.0050 ^{DLA}	<0.0050 ^{DLA}	0.000085
	Nickel (Ni)-Dissolved (mg/L)	0.0079	2.89	2.78	0.0479
	Phosphorus (P)-Dissolved (mg/L)	<0.10 ^{DLA}	<5.0 ^{DLA}	<5.0 ^{DLA}	<0.050
	Potassium (K)-Dissolved (mg/L)	5.70	14.7	13.0	5.89
	Rubidium (Rb)-Dissolved (mg/L)	0.00170	<0.020 ^{DLA}	<0.020 ^{DLA}	0.00302
	Selenium (Se)-Dissolved (mg/L)	0.00041	<0.0050 ^{DLA}	<0.0050 ^{DLA}	<0.000050
	Silicon (Si)-Dissolved (mg/L)	6.91	12.0	11.0	15.3
	Silver (Ag)-Dissolved (mg/L)	<0.000020 ^{DLA}	<0.0010 ^{DLA}	<0.0010 ^{DLA}	<0.000010

* 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	L1627328-26 Water 14-JUN-15 13:10 MW14-08	L1627328-27 Water 14-JUN-15 12:30 MW14-10	L1627328-28 Water 14-JUN-15 11:10 MW14-11	L1627328-29 Water 14-JUN-15 10:00 SRK08-SP-8A	L1627328-30 Water 14-JUN-15 10:15 SRK08-SP-8B
Grouping	Analyte				
WATER					
Total Metals	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
	Aluminum (Al)-Dissolved (mg/L)	0.0143	0.0034	0.0067	0.0037
	Antimony (Sb)-Dissolved (mg/L)	<0.00010	<0.00010	<0.00010	<0.00010
	Arsenic (As)-Dissolved (mg/L)	0.00548	0.00029	0.00258	0.00431
	Barium (Ba)-Dissolved (mg/L)	0.217	0.0234	0.191	0.00574
	Beryllium (Be)-Dissolved (mg/L)	<0.00010	<0.00010	<0.00010	0.00019
	Bismuth (Bi)-Dissolved (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050
	Boron (B)-Dissolved (mg/L)	<0.010	<0.010	0.010	<0.010
	Cadmium (Cd)-Dissolved (mg/L)	0.0000080	0.0000649	<0.0000050	0.0000104
	Calcium (Ca)-Dissolved (mg/L)	78.1	107	69.8	160
	Cesium (Cs)-Dissolved (mg/L)	0.000023	<0.000010	<0.000010	0.000657
	Chromium (Cr)-Dissolved (mg/L)	0.00021	0.00055	0.00030	<0.00010
	Cobalt (Co)-Dissolved (mg/L)	0.00376	0.00068	0.00111	0.00309
	Copper (Cu)-Dissolved (mg/L)	0.00021	0.00049	<0.00020	<0.00020
	Iron (Fe)-Dissolved (mg/L)	11.7	<0.010	20.2	14.8
	Lead (Pb)-Dissolved (mg/L)	0.000618	<0.000050	<0.000050	0.000129
	Lithium (Li)-Dissolved (mg/L)	0.0054	0.0178	0.0118	0.0526
	Magnesium (Mg)-Dissolved (mg/L)	13.5	18.4	24.5	65.8
	Manganese (Mn)-Dissolved (mg/L)	3.04	0.206	1.23	1.25
	Molybdenum (Mo)-Dissolved (mg/L)	0.000657	0.000906	0.000892	0.000079
	Nickel (Ni)-Dissolved (mg/L)	0.00216	0.00482	0.00164	0.00932
	Phosphorus (P)-Dissolved (mg/L)	0.118	<0.050	0.263	<0.050
	Potassium (K)-Dissolved (mg/L)	1.78	3.95	2.35	2.74
	Rubidium (Rb)-Dissolved (mg/L)	0.00217	0.00068	0.00110	0.00493
	Selenium (Se)-Dissolved (mg/L)	0.000170	0.00753	0.000082	<0.000050
	Silicon (Si)-Dissolved (mg/L)	6.91	5.35	7.70	7.43
	Silver (Ag)-Dissolved (mg/L)	<0.000010	<0.000010	<0.000010	<0.000010

* 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	L1627328-31 Water 14-JUN-15 09:10 P96-7	L1627328-32 Water 14-JUN-15 18:00 P09-SIS2	L1627328-33 Water 14-JUN-15 17:50 SRK05-SP-4B	L1627328-34 Water 14-JUN-15 17:10 P09-SIS3	L1627328-35 Water 14-JUN-15 11:20 MW14-13
Grouping	Analyte					
WATER						
Total Metals	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)	<0.0020 ^{DLA}	1.00	<0.050 ^{DLA}	0.16	0.0484
	Antimony (Sb)-Dissolved (mg/L)	<0.00020 ^{DLA}	<0.010 ^{DLA}	<0.0050 ^{DLA}	<0.010 ^{DLA}	<0.00010
	Arsenic (As)-Dissolved (mg/L)	<0.00020 ^{DLA}	<0.010 ^{DLA}	<0.0050 ^{DLA}	<0.010 ^{DLA}	0.00018
	Barium (Ba)-Dissolved (mg/L)	0.00932	0.0213	0.0134	0.0161	0.0477
	Beryllium (Be)-Dissolved (mg/L)	<0.00020 ^{DLA}	<0.010 ^{DLA}	<0.0050 ^{DLA}	<0.010 ^{DLA}	<0.00010
	Bismuth (Bi)-Dissolved (mg/L)	<0.00010 ^{DLA}	<0.0050 ^{DLA}	<0.0025 ^{DLA}	<0.0050 ^{DLA}	<0.000050
	Boron (B)-Dissolved (mg/L)	<0.020	<1.0	<0.50	<1.0	<0.010
	Cadmium (Cd)-Dissolved (mg/L)	0.000029	0.535	0.110	0.565	0.00345
	Calcium (Ca)-Dissolved (mg/L)	596	478	521	448	249
	Cesium (Cs)-Dissolved (mg/L)	0.000043	<0.0010 ^{DLA}	<0.00050 ^{DLA}	<0.0010 ^{DLA}	0.000014
	Chromium (Cr)-Dissolved (mg/L)	0.00041	<0.010 ^{DLA}	<0.0050 ^{DLA}	<0.010 ^{DLA}	0.00026
	Cobalt (Co)-Dissolved (mg/L)	<0.00020 ^{DLA}	2.58	0.0462	2.87	0.00025
	Copper (Cu)-Dissolved (mg/L)	<0.00040 ^{DLA}	0.023	0.013	0.025	0.00263
	Iron (Fe)-Dissolved (mg/L)	<0.020	<1.0 ^{DLA}	4.16	<1.0 ^{DLA}	0.021
	Lead (Pb)-Dissolved (mg/L)	<0.00010 ^{DLA}	<0.0050 ^{DLA}	<0.0025 ^{DLA}	<0.0050 ^{DLA}	<0.000050
	Lithium (Li)-Dissolved (mg/L)	0.0263	0.24	0.169	0.23	0.0311
	Magnesium (Mg)-Dissolved (mg/L)	185	1840	1470	2050	70.2
	Manganese (Mn)-Dissolved (mg/L)	<0.00020 ^{DLA}	181	96.2	222	1.05
	Molybdenum (Mo)-Dissolved (mg/L)	0.00081	<0.0050 ^{DLA}	<0.0025 ^{DLA}	<0.0050 ^{DLA}	0.000074
	Nickel (Ni)-Dissolved (mg/L)	<0.0010 ^{DLA}	4.11	2.94	4.70	0.146
	Phosphorus (P)-Dissolved (mg/L)	<0.10 ^{DLA}	<5.0 ^{DLA}	<2.5 ^{DLA}	<5.0 ^{DLA}	<0.050
	Potassium (K)-Dissolved (mg/L)	5.21	18.4	11.9	16.9	4.40
	Rubidium (Rb)-Dissolved (mg/L)	<0.00040 ^{DLA}	0.029	<0.010 ^{DLA}	0.022	0.00286
	Selenium (Se)-Dissolved (mg/L)	0.00079	<0.0050 ^{DLA}	<0.0025 ^{DLA}	<0.0050 ^{DLA}	0.000226
	Silicon (Si)-Dissolved (mg/L)	6.37	12.5	12.5	13.6	11.0
	Silver (Ag)-Dissolved (mg/L)	<0.000020 ^{DLA}	<0.0010 ^{DLA}	<0.00050 ^{DLA}	<0.0010 ^{DLA}	<0.000010

* 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		L1627328-36 Water 14-JUN-15 12:10 MW14-16	L1627328-37 Water 14-JUN-15 13:05 MW14-12D	L1627328-38 Water 14-JUN-15 14:05 MW14-15	L1627328-39 Water 14-JUN-15 14:45 P96-06	L1627328-40 Water 15-JUN-15 09:30 S1B
Grouping	Analyte					
WATER						
Total Metals	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)	0.0169	0.0157	0.0045	0.0011	0.0066
	Antimony (Sb)-Dissolved (mg/L)	<0.00010	<0.00010	0.00011	<0.00010	0.00019
	Arsenic (As)-Dissolved (mg/L)	0.00012	0.00018	0.00020	<0.00010	0.00025
	Barium (Ba)-Dissolved (mg/L)	0.0613	0.264	0.0206	0.0148	0.0417
	Beryllium (Be)-Dissolved (mg/L)	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
	Bismuth (Bi)-Dissolved (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Boron (B)-Dissolved (mg/L)	<0.010	<0.010	<0.010	<0.010	<0.010
	Cadmium (Cd)-Dissolved (mg/L)	0.00105	0.000369	0.000662	0.000211	0.000132
	Calcium (Ca)-Dissolved (mg/L)	161	96.3	68.6	213	118
	Cesium (Cs)-Dissolved (mg/L)	<0.000010	0.000015	<0.000010	0.000246	<0.000010
	Chromium (Cr)-Dissolved (mg/L)	0.00013	<0.00010	0.00017	<0.00010	0.0153
	Cobalt (Co)-Dissolved (mg/L)	0.00017	<0.00010	0.00017	<0.00010	0.00011
	Copper (Cu)-Dissolved (mg/L)	0.00138	0.00089	0.00144	0.00022	0.00333
	Iron (Fe)-Dissolved (mg/L)	<0.010	0.012	<0.010	<0.010	0.020
	Lead (Pb)-Dissolved (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	0.000068
	Lithium (Li)-Dissolved (mg/L)	0.0177	0.0094	0.0218	0.0301	0.0120
	Magnesium (Mg)-Dissolved (mg/L)	37.3	19.8	63.1	70.0	28.4
	Manganese (Mn)-Dissolved (mg/L)	0.0123	0.0191	0.124	0.00307	0.00707
	Molybdenum (Mo)-Dissolved (mg/L)	<0.000050	0.000054	0.000330	0.000053	0.000619
	Nickel (Ni)-Dissolved (mg/L)	0.0432	0.0155	0.0303	0.00828	0.00490
	Phosphorus (P)-Dissolved (mg/L)	<0.050	<0.050	<0.050	<0.050	<0.050
	Potassium (K)-Dissolved (mg/L)	3.14	2.00	1.55	3.61	2.65
	Rubidium (Rb)-Dissolved (mg/L)	0.00133	0.00323	0.00028	0.00152	0.00127
	Selenium (Se)-Dissolved (mg/L)	0.000366	0.000548	0.000172	0.00533	0.000193
	Silicon (Si)-Dissolved (mg/L)	8.53	9.01	7.31	8.98	6.31
	Silver (Ag)-Dissolved (mg/L)	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010

* 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	L1627328-41 Water 15-JUN-15 08:30 MW14-14	L1627328-42 Water 15-JUN-15 09:05 P03-06-02	L1627328-43 Water 12-JUN-15 11:15 DUP-3	L1627328-44 Water 13-JUN-15 14:36 DUP-4	L1627328-45 Water 13-JUN-15 14:36 FB-2
Grouping	Analyte					
WATER						
Total Metals	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)	0.0179	2.53	<0.0020 ^{DLA}	0.0239	<0.0010
	Antimony (Sb)-Dissolved (mg/L)	<0.00020 ^{DLA}	<0.0020 ^{DLA}	<0.00020 ^{DLA}	<0.00020 ^{DLA}	<0.00010
	Arsenic (As)-Dissolved (mg/L)	0.00023	<0.0020 ^{DLA}	0.00021	0.00031	<0.00010
	Barium (Ba)-Dissolved (mg/L)	0.0306	0.0132	0.0108	0.0106	<0.000050
	Beryllium (Be)-Dissolved (mg/L)	<0.00020 ^{DLA}	0.0033 ^{DLA}	<0.00020 ^{DLA}	0.00071 ^{DLA}	<0.00010
	Bismuth (Bi)-Dissolved (mg/L)	<0.00010 ^{DLA}	<0.0010 ^{DLA}	<0.00010 ^{DLA}	<0.00010 ^{DLA}	<0.000050
	Boron (B)-Dissolved (mg/L)	<0.020 ^{DLA}	<0.20 ^{DLA}	<0.020 ^{DLA}	<0.020 ^{DLA}	<0.010
	Cadmium (Cd)-Dissolved (mg/L)	0.000976	0.0595	0.000026	0.00192	<0.0000050
	Calcium (Ca)-Dissolved (mg/L)	141	501	442	161	<0.050
	Cesium (Cs)-Dissolved (mg/L)	<0.000020 ^{DLA}	<0.00020 ^{DLA}	<0.000020 ^{DLA}	0.000362 ^{DLA}	<0.000010
	Chromium (Cr)-Dissolved (mg/L)	0.00080	<0.0020 ^{DLA}	0.00048 ^{DLA}	<0.00020 ^{DLA}	<0.00010
	Cobalt (Co)-Dissolved (mg/L)	0.0109	2.14	<0.00020 ^{DLA}	0.0387 ^{DLA}	<0.00010
	Copper (Cu)-Dissolved (mg/L)	0.00102	0.0098	0.00255 ^{DLA}	<0.00040 ^{DLA}	<0.00020
	Iron (Fe)-Dissolved (mg/L)	0.039	965	<0.020 ^{DLA}	18.0	<0.010
	Lead (Pb)-Dissolved (mg/L)	<0.00010 ^{DLA}	0.0146	0.00011	0.00023	<0.000050
	Lithium (Li)-Dissolved (mg/L)	0.0072	0.152	0.0177	0.0681	<0.0010
	Magnesium (Mg)-Dissolved (mg/L)	120	153	208	84.7	<0.0050
	Manganese (Mn)-Dissolved (mg/L)	2.93	157 ^{DLA}	0.00230	3.91 ^{DLA}	<0.00010
	Molybdenum (Mo)-Dissolved (mg/L)	0.00094	<0.0010 ^{DLA}	0.00039	<0.00010 ^{DLA}	<0.000050
	Nickel (Ni)-Dissolved (mg/L)	0.0509	2.43 ^{DLA}	0.0014 ^{DLA}	0.0946 ^{DLA}	<0.00050
	Phosphorus (P)-Dissolved (mg/L)	<0.10 ^{DLA}	<1.0 ^{DLA}	<0.10 ^{DLA}	<0.10 ^{DLA}	<0.050
	Potassium (K)-Dissolved (mg/L)	2.05	7.9	1.88	5.41	<0.050
	Rubidium (Rb)-Dissolved (mg/L)	0.00091	<0.0040 ^{DLA}	0.00099	0.00904 ^{DLA}	<0.00020
	Selenium (Se)-Dissolved (mg/L)	<0.00010 ^{DLA}	<0.0010 ^{DLA}	0.00027	<0.00010 ^{DLA}	<0.000050
	Silicon (Si)-Dissolved (mg/L)	9.49	34.2	6.48	15.4	<0.050
	Silver (Ag)-Dissolved (mg/L)	<0.000020 ^{DLA}	<0.00020 ^{DLA}	<0.000020 ^{DLA}	<0.000020 ^{DLA}	<0.000010

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

ALS ENVIRONMENTAL ANALYTICAL REPORT

		Sample ID	L1627328-46	L1627328-47	L1627328-48	L1627328-49	L1627328-50
		Description	Water	Water	Water	Water	Water
		Sampled Date	13-JUN-15	14-JUN-15	14-JUN-15	14-JUN-15	14-JUN-15
		Sampled Time	14:30	11:10	11:10	11:20	18:00
		Client ID	DUP-5	DUP-6	FB-3	DUP-7	FB-4
Grouping	Analyte						
WATER							
Total Metals	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	FIELD
	Aluminum (Al)-Dissolved (mg/L)	<0.0010	0.0075	0.0020	0.0488	<0.0010	
	Antimony (Sb)-Dissolved (mg/L)	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	
	Arsenic (As)-Dissolved (mg/L)	0.128	0.00271	<0.00010	0.00018	<0.00010	
	Barium (Ba)-Dissolved (mg/L)	0.0474	0.194	<0.000050	0.0488	<0.000050	
	Beryllium (Be)-Dissolved (mg/L)	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	
	Bismuth (Bi)-Dissolved (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	
	Boron (B)-Dissolved (mg/L)	0.012	<0.010	<0.010	<0.010	<0.010	
	Cadmium (Cd)-Dissolved (mg/L)	0.0000268	<0.0000050	<0.0000050	0.00380	<0.0000050	
	Calcium (Ca)-Dissolved (mg/L)	178	77.8	<0.050	217	<0.050	
	Cesium (Cs)-Dissolved (mg/L)	0.000036	<0.000010	<0.000010	0.000014	<0.000010	
	Chromium (Cr)-Dissolved (mg/L)	<0.00010	0.00023	<0.00010	0.00027	<0.00010	
	Cobalt (Co)-Dissolved (mg/L)	0.00131	0.00110	<0.00010	0.00025	<0.00010	
	Copper (Cu)-Dissolved (mg/L)	<0.00020	<0.00020	<0.00020	0.00265	<0.00020	
	Iron (Fe)-Dissolved (mg/L)	7.59	20.0	<0.010	0.022	<0.010	
	Lead (Pb)-Dissolved (mg/L)	0.00805	0.000052	<0.000050	<0.000050	<0.000050	
	Lithium (Li)-Dissolved (mg/L)	0.0083	0.0118	<0.0010	0.0287	<0.0010	
	Magnesium (Mg)-Dissolved (mg/L)	44.1	24.6	<0.0050	64.9	<0.0050	
	Manganese (Mn)-Dissolved (mg/L)	0.539	1.17	<0.00010	1.04	<0.00010	
	Molybdenum (Mo)-Dissolved (mg/L)	0.00220	0.000884	<0.000050	0.000082	<0.000050	
	Nickel (Ni)-Dissolved (mg/L)	0.00123	0.00169	<0.00050	0.146	<0.00050	
	Phosphorus (P)-Dissolved (mg/L)	0.077	0.261	<0.050	<0.050	<0.050	
	Potassium (K)-Dissolved (mg/L)	2.42	2.31	<0.050	4.45	<0.050	
	Rubidium (Rb)-Dissolved (mg/L)	0.00118	0.00105	<0.00020	0.00285	<0.00020	
	Selenium (Se)-Dissolved (mg/L)	<0.000050	0.000091	<0.000050	0.000235	<0.000050	
	Silicon (Si)-Dissolved (mg/L)	7.71	7.89	<0.050	10.5	<0.050	
	Silver (Ag)-Dissolved (mg/L)	<0.000010	<0.000010	<0.000010	0.000010	<0.000010	

* 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		L1627328-51 Water 15-JUN-15 13:25 P09-SIS4	L1627328-52 Water 15-JUN-15 13:15 P09-SIS5	L1627328-53 Water 14-JUN-15 09:30 P09-LCD4	L1627328-54 Water 14-JUN-15 08:40 P2001-2A	L1627328-55 Water 14-JUN-15 08:50 P2001-2B
Grouping	Analyte					
WATER						
Total Metals	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)	<0.020 ^{DLA}	0.0094	0.0036	<0.0020 ^{DLA}	<0.0020 ^{DLA}
	Antimony (Sb)-Dissolved (mg/L)	<0.0020 ^{DLA}	<0.00050 ^{DLA}	0.00103	<0.00020 ^{DLA}	<0.00020 ^{DLA}
	Arsenic (As)-Dissolved (mg/L)	<0.0020 ^{DLA}	<0.00050 ^{DLA}	0.00562	0.00163	0.00163
	Barium (Ba)-Dissolved (mg/L)	0.0151	0.0167	0.0781	0.0329	0.0104
	Beryllium (Be)-Dissolved (mg/L)	<0.0020 ^{DLA}	<0.00050 ^{DLA}	<0.00010	<0.00020 ^{DLA}	<0.00020 ^{DLA}
	Bismuth (Bi)-Dissolved (mg/L)	<0.0010 ^{DLA}	<0.00025 ^{DLA}	<0.000050	<0.00010 ^{DLA}	<0.00010 ^{DLA}
	Boron (B)-Dissolved (mg/L)	<0.20 ^{DLA}	<0.050	0.011	<0.020 ^{DLA}	<0.020 ^{DLA}
	Cadmium (Cd)-Dissolved (mg/L)	0.0211	0.00103	0.0000606	<0.000010 ^{DLA}	0.000029
	Calcium (Ca)-Dissolved (mg/L)	578	544	96.3	613	484
	Cesium (Cs)-Dissolved (mg/L)	<0.00020 ^{DLA}	<0.000050 ^{DLA}	0.000015	<0.000020 ^{DLA}	<0.000020 ^{DLA}
	Chromium (Cr)-Dissolved (mg/L)	0.0028	0.00077	0.00014	<0.00020 ^{DLA}	<0.00020 ^{DLA}
	Cobalt (Co)-Dissolved (mg/L)	<0.0020 ^{DLA}	0.0345	0.00064	0.00046	0.00064
	Copper (Cu)-Dissolved (mg/L)	0.0074	0.0010	0.00235	<0.00040 ^{DLA}	<0.00040 ^{DLA}
	Iron (Fe)-Dissolved (mg/L)	<0.20 ^{DLA}	5.86	0.016	3.97	1.13
	Lead (Pb)-Dissolved (mg/L)	<0.0010 ^{DLA}	<0.00025 ^{DLA}	0.00125	<0.00010 ^{DLA}	<0.00010 ^{DLA}
	Lithium (Li)-Dissolved (mg/L)	0.091	0.0411	0.0071	0.0368	0.0364
	Magnesium (Mg)-Dissolved (mg/L)	1180	619	22.9	255	256
	Manganese (Mn)-Dissolved (mg/L)	1.60	43.6	0.438	0.206	0.195
	Molybdenum (Mo)-Dissolved (mg/L)	<0.0010 ^{DLA}	0.00072	0.00510	0.00040	0.00083
	Nickel (Ni)-Dissolved (mg/L)	0.723	0.149	0.00544	0.0038	0.0055
	Phosphorus (P)-Dissolved (mg/L)	<1.0 ^{DLA}	<0.25 ^{DLA}	<0.050	<0.10 ^{DLA}	<0.10 ^{DLA}
	Potassium (K)-Dissolved (mg/L)	9.8	8.35	1.81	5.30	5.48
	Rubidium (Rb)-Dissolved (mg/L)	<0.0040 ^{DLA}	0.0012	0.00085	0.00126	0.00125
	Selenium (Se)-Dissolved (mg/L)	<0.0010 ^{DLA}	<0.00025 ^{DLA}	0.000208	<0.00010 ^{DLA}	<0.00010 ^{DLA}
	Silicon (Si)-Dissolved (mg/L)	11.5	9.97	4.75	7.90	7.61
	Silver (Ag)-Dissolved (mg/L)	<0.00020 ^{DLA}	<0.000050 ^{DLA}	<0.000010	<0.000020 ^{DLA}	<0.000020 ^{DLA}

* 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	L1627328-56 Water	TRAVEL BLANK 2		
Grouping	Analyte				
WATER					
Total Metals	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				
	Aluminum (Al)-Dissolved (mg/L)				
	Antimony (Sb)-Dissolved (mg/L)				
	Arsenic (As)-Dissolved (mg/L)				
	Barium (Ba)-Dissolved (mg/L)				
	Beryllium (Be)-Dissolved (mg/L)				
	Bismuth (Bi)-Dissolved (mg/L)				
	Boron (B)-Dissolved (mg/L)				
	Cadmium (Cd)-Dissolved (mg/L)				
	Calcium (Ca)-Dissolved (mg/L)				
	Cesium (Cs)-Dissolved (mg/L)				
	Chromium (Cr)-Dissolved (mg/L)				
	Cobalt (Co)-Dissolved (mg/L)				
	Copper (Cu)-Dissolved (mg/L)				
	Iron (Fe)-Dissolved (mg/L)				
	Lead (Pb)-Dissolved (mg/L)				
	Lithium (Li)-Dissolved (mg/L)				
	Magnesium (Mg)-Dissolved (mg/L)				
	Manganese (Mn)-Dissolved (mg/L)				
	Molybdenum (Mo)-Dissolved (mg/L)				
	Nickel (Ni)-Dissolved (mg/L)				
	Phosphorus (P)-Dissolved (mg/L)				
	Potassium (K)-Dissolved (mg/L)				
	Rubidium (Rb)-Dissolved (mg/L)				
	Selenium (Se)-Dissolved (mg/L)				
	Silicon (Si)-Dissolved (mg/L)				
	Silver (Ag)-Dissolved (mg/L)				

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

ALS ENVIRONMENTAL ANALYTICAL REPORT

		Sample ID	L1627328-1	L1627328-2	L1627328-3	L1627328-4	L1627328-5
		Description	Water	Water	Water	Water	Water
		Sampled Date	13-JUN-15	12-JUN-15	12-JUN-15	12-JUN-15	12-JUN-15
		Sampled Time	11:08	17:05	16:50	15:03	14:00
		Client ID	V37	P09-VC1	P09-VC2	SRK05-9	SRK05-5C
Grouping	Analyte						
WATER							
Dissolved Metals	Sodium (Na)-Dissolved (mg/L)		56.9	19.8	5.78	8.28	19.5
	Strontium (Sr)-Dissolved (mg/L)		0.669	0.552	0.814	0.573	1.13
	Sulfur (S)-Dissolved (mg/L)		100	20.7	12.9	262	88.4
	Tellurium (Te)-Dissolved (mg/L)		<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
	Thallium (Tl)-Dissolved (mg/L)		<0.000010	<0.000010	<0.000010	<0.000010	0.000011
	Thorium (Th)-Dissolved (mg/L)		<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
	Tin (Sn)-Dissolved (mg/L)		<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
	Titanium (Ti)-Dissolved (mg/L)		<0.00030	<0.00030	<0.00030	<0.00030	<0.00030
	Tungsten (W)-Dissolved (mg/L)		0.00054	0.00057	<0.00010	<0.00010	<0.00010
	Uranium (U)-Dissolved (mg/L)		0.00222	0.00530	0.00349	0.0206	0.00282
	Vanadium (V)-Dissolved (mg/L)		0.00084	<0.00050	<0.00050	<0.00050	<0.00050
	Zinc (Zn)-Dissolved (mg/L)		0.0028	0.0016	0.0772	0.0034	<0.0010
	Zirconium (Zr)-Dissolved (mg/L)		<0.00030	<0.00030	<0.00030	<0.00030	<0.00030

* 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	L1627328-6 Water 12-JUN-15 12:30 P96-9A	L1627328-7 Water 12-JUN-15 11:15 SRK05-8	L1627328-8 Water 12-JUN-15 12:30 BH05-9B-R	L1627328-9 Water 12-JUN-15 09:40 SRK05-07	L1627328-10 Water 13-JUN-15 09:56 P09-GSIA
Grouping	Analyte					
WATER						
Dissolved Metals	Sodium (Na)-Dissolved (mg/L)	11.6	11.0	50.0	12.8	19.2
	Strontium (Sr)-Dissolved (mg/L)	1.06	1.43	1.14	1.40	0.794
	Sulfur (S)-Dissolved (mg/L)	560	491	60.4	677	257
	Tellurium (Te)-Dissolved (mg/L)	<0.00040 ^{DLA}	<0.00040 ^{DLA}	<0.00020	<0.00040 ^{DLA}	<0.00020
	Thallium (Tl)-Dissolved (mg/L)	<0.000020 ^{DLA}	<0.000020 ^{DLA}	<0.000010	<0.000020 ^{DLA}	0.00382
	Thorium (Th)-Dissolved (mg/L)	<0.00020 ^{DLA}	<0.00020 ^{DLA}	<0.00010	<0.00020 ^{DLA}	<0.00010
	Tin (Sn)-Dissolved (mg/L)	<0.00020 ^{DLA}	<0.00020 ^{DLA}	<0.00010	<0.00020 ^{DLA}	<0.00010
	Titanium (Ti)-Dissolved (mg/L)	<0.00060 ^{DLA}	<0.00060 ^{DLA}	<0.00030	<0.00060 ^{DLA}	<0.00030
	Tungsten (W)-Dissolved (mg/L)	<0.00020 ^{DLA}	<0.00020 ^{DLA}	<0.00010	<0.00020 ^{DLA}	<0.00010
	Uranium (U)-Dissolved (mg/L)	0.0374	0.0275	0.000773	0.0310	0.0325
	Vanadium (V)-Dissolved (mg/L)	<0.0010 ^{DLA}	<0.0010 ^{DLA}	<0.00050	<0.0010 ^{DLA}	<0.00050
	Zinc (Zn)-Dissolved (mg/L)	0.119	<0.0020 ^{DLA}	0.0072	0.0087	4.23
	Zirconium (Zr)-Dissolved (mg/L)	<0.00060 ^{DLA}	<0.00060 ^{DLA}	<0.00030	<0.00060 ^{DLA}	<0.00030

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

ALS ENVIRONMENTAL ANALYTICAL REPORT

		Sample ID	L1627328-11	L1627328-12	L1627328-13	L1627328-14	L1627328-15
		Description	Water	Water	Water	Water	Water
		Sampled Date	13-JUN-15	13-JUN-15	13-JUN-15	13-JUN-15	13-JUN-15
		Sampled Time	10:10	16:15	15:47	15:25	14:36
		Client ID	P09-GSIB	S1A	SRK08-SP-7A	SRK05-SP-5	SRK05-SP-4A
Grouping	Analyte						
WATER							
Dissolved Metals	Sodium (Na)-Dissolved (mg/L)		18.4	11.8	7.43	54.2	10.8
	Strontium (Sr)-Dissolved (mg/L)		1.73	0.678	0.369	2.07	0.585
	Sulfur (S)-Dissolved (mg/L)		265	299	104	3480	174
	Tellurium (Te)-Dissolved (mg/L)		<0.00020	<0.00040 ^{DLA}	<0.00020	<0.020 ^{DLA}	<0.00040 ^{DLA}
	Thallium (Tl)-Dissolved (mg/L)		0.000046	<0.000020 ^{DLA}	<0.000010	<0.0010 ^{DLA}	<0.000020 ^{DLA}
	Thorium (Th)-Dissolved (mg/L)		<0.00010	<0.00020 ^{DLA}	<0.00010	<0.010 ^{DLA}	<0.00020 ^{DLA}
	Tin (Sn)-Dissolved (mg/L)		<0.00010	<0.00020 ^{DLA}	<0.00010	<0.010 ^{DLA}	<0.00020 ^{DLA}
	Titanium (Ti)-Dissolved (mg/L)		<0.00030	<0.00060 ^{DLA}	<0.00030	<0.030 ^{DLA}	<0.00060 ^{DLA}
	Tungsten (W)-Dissolved (mg/L)		0.00046	<0.00020 ^{DLA}	<0.00010	<0.010 ^{DLA}	<0.00020 ^{DLA}
	Uranium (U)-Dissolved (mg/L)		0.00350	0.00244	0.000219	0.0031	0.00160
	Vanadium (V)-Dissolved (mg/L)		<0.00050	<0.0010 ^{DLA}	<0.00050	<0.050 ^{DLA}	<0.0010 ^{DLA}
	Zinc (Zn)-Dissolved (mg/L)		0.379	20.8	0.354	722	12.7
	Zirconium (Zr)-Dissolved (mg/L)		<0.00030	<0.00060 ^{DLA}	<0.00030	<0.030 ^{DLA}	<0.00060 ^{DLA}

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

ALS ENVIRONMENTAL ANALYTICAL REPORT

		Sample ID	L1627328-16	L1627328-17	L1627328-18	L1627328-19	L1627328-20
		Description	Water	Water	Water	Water	Water
		Sampled Date	13-JUN-15	13-JUN-15	13-JUN-15	13-JUN-15	13-JUN-15
		Sampled Time	14:30	10:15	10:10	15:30	16:10
		Client ID	P09-LCD6	P2001-3	V36	P09-LCD1	V34
Grouping	Analyte						
WATER							
Dissolved Metals	Sodium (Na)-Dissolved (mg/L)		6.97	32.7	9.44	16.7	8.25
	Strontium (Sr)-Dissolved (mg/L)		0.862	0.632	1.86	0.891	1.69
	Sulfur (S)-Dissolved (mg/L)		121	41.6	609	102	220
	Tellurium (Te)-Dissolved (mg/L)		<0.00020	<0.00020	<0.00040 ^{DLA}	<0.00020	<0.00020
	Thallium (Tl)-Dissolved (mg/L)		<0.000010	0.000011	0.000073	0.000011	<0.000010
	Thorium (Th)-Dissolved (mg/L)		<0.00010	<0.00010	<0.00020 ^{DLA}	<0.00010	<0.00010
	Tin (Sn)-Dissolved (mg/L)		<0.00010	<0.00010	<0.00020 ^{DLA}	<0.00010	<0.00010
	Titanium (Ti)-Dissolved (mg/L)		<0.00030	<0.00030	<0.00060 ^{DLA}	<0.00030	0.00033
	Tungsten (W)-Dissolved (mg/L)		<0.00010	<0.00010	<0.00020 ^{DLA}	<0.00010	<0.00010
	Uranium (U)-Dissolved (mg/L)		0.00372	0.0122	0.0642	0.00780	0.0220
	Vanadium (V)-Dissolved (mg/L)		<0.00050	<0.00050	<0.0010 ^{DLA}	<0.00050	<0.00050
	Zinc (Zn)-Dissolved (mg/L)		0.0024	0.0052	0.119	0.0066	0.0012
	Zirconium (Zr)-Dissolved (mg/L)		<0.00030	0.00051	<0.00060 ^{DLA}	<0.00030	0.00184

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

ALS ENVIRONMENTAL ANALYTICAL REPORT

		Sample ID	L1627328-21	L1627328-22	L1627328-23	L1627328-24	L1627328-25
		Description	Water	Water	Water	Water	Water
		Sampled Date	13-JUN-15	14-JUN-15	14-JUN-15	14-JUN-15	14-JUN-15
		Sampled Time	17:35	17:15	16:40	16:00	14:10
		Client ID	V35	P09-SIS1	S2B	S2A	SRK08-SP7B
Grouping	Analyte						
WATER							
Dissolved Metals	Sodium (Na)-Dissolved (mg/L)		11.0	58.5	44.7	12.4	2.62
	Strontium (Sr)-Dissolved (mg/L)		1.55	2.26	2.00	0.814	0.109
	Sulfur (S)-Dissolved (mg/L)		890	3450	2930	304	17.1
	Tellurium (Te)-Dissolved (mg/L)		<0.00040 ^{DLA}	<0.020 ^{DLA}	<0.020 ^{DLA}	<0.00020	<0.00020
	Thallium (Tl)-Dissolved (mg/L)		0.000026 ^{DLA}	<0.0010 ^{DLA}	<0.0010 ^{DLA}	<0.000010	<0.000010
	Thorium (Th)-Dissolved (mg/L)		<0.00020 ^{DLA}	<0.010 ^{DLA}	<0.010 ^{DLA}	<0.00010	<0.00010
	Tin (Sn)-Dissolved (mg/L)		<0.00020 ^{DLA}	<0.010 ^{DLA}	<0.010 ^{DLA}	<0.00010	<0.00010
	Titanium (Ti)-Dissolved (mg/L)		<0.00060 ^{DLA}	<0.030 ^{DLA}	<0.030 ^{DLA}	<0.00030	<0.00030
	Tungsten (W)-Dissolved (mg/L)		<0.00020 ^{DLA}	<0.010 ^{DLA}	<0.010 ^{DLA}	<0.00010	<0.00010
	Uranium (U)-Dissolved (mg/L)		0.129	0.0065	0.0016	0.00255	0.000146
	Vanadium (V)-Dissolved (mg/L)		<0.0010 ^{DLA}	<0.050 ^{DLA}	<0.050 ^{DLA}	<0.00050	<0.00050
	Zinc (Zn)-Dissolved (mg/L)		0.0063	573	570	6.99	1.75
	Zirconium (Zr)-Dissolved (mg/L)		0.00106	<0.030 ^{DLA}	<0.030 ^{DLA}	<0.00030	<0.00030

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

ALS ENVIRONMENTAL ANALYTICAL REPORT

		Sample ID	L1627328-26	L1627328-27	L1627328-28	L1627328-29	L1627328-30
		Description	Water	Water	Water	Water	Water
		Sampled Date	14-JUN-15	14-JUN-15	14-JUN-15	14-JUN-15	14-JUN-15
		Sampled Time	13:10	12:30	11:10	10:00	10:15
		Client ID	MW14-08	MW14-10	MW14-11	SRK08-SP-8A	SRK08-SP-8B
Grouping	Analyte						
WATER							
Dissolved Metals	Sodium (Na)-Dissolved (mg/L)		32.6	80.4	8.48	11.1	19.4
	Strontium (Sr)-Dissolved (mg/L)		0.398	0.469	0.411	0.729	1.18
	Sulfur (S)-Dissolved (mg/L)		5.07	88.2	29.2	206	465
	Tellurium (Te)-Dissolved (mg/L)		<0.00020	<0.00020	<0.00020	<0.00020	<0.00040 ^{DLA}
	Thallium (Tl)-Dissolved (mg/L)		<0.000010	0.000012	<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)		0.00089	<0.00030	0.00031	<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)		0.00455	0.0104	0.000528	0.000704	0.00291 ^{DLA}
	Vanadium (V)-Dissolved (mg/L)		0.00058	<0.00050	<0.00050	<0.00050	<0.0010 ^{DLA}
	Zinc (Zn)-Dissolved (mg/L)		0.0030	0.0044	0.0056	0.176	0.518 ^{DLA}
	Zirconium (Zr)-Dissolved (mg/L)		0.00034	<0.00030	<0.00030	0.00043	<0.00060 ^{DLA}

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

ALS ENVIRONMENTAL ANALYTICAL REPORT

		Sample ID	L1627328-31	L1627328-32	L1627328-33	L1627328-34	L1627328-35
		Description	Water	Water	Water	Water	Water
		Sampled Date	14-JUN-15	14-JUN-15	14-JUN-15	14-JUN-15	14-JUN-15
		Sampled Time	09:10	18:00	17:50	17:10	11:20
		Client ID	P96-7	P09-SIS2	SRK05-SP-4B	P09-SIS3	MW14-13
Grouping	Analyte						
WATER							
Dissolved Metals	Sodium (Na)-Dissolved (mg/L)		13.8	69.8	39.7	52.7	11.0
	Strontium (Sr)-Dissolved (mg/L)		0.567	2.02	2.24	2.12	0.801
	Sulfur (S)-Dissolved (mg/L)		720	3790	2780	3880	182
	Tellurium (Te)-Dissolved (mg/L)		<0.00040 ^{DLA}	<0.020 ^{DLA}	<0.010 ^{DLA}	<0.020 ^{DLA}	<0.00020
	Thallium (Tl)-Dissolved (mg/L)		<0.000020 ^{DLA}	<0.0010 ^{DLA}	<0.00050 ^{DLA}	<0.0010 ^{DLA}	0.000011
	Thorium (Th)-Dissolved (mg/L)		<0.00020 ^{DLA}	<0.010 ^{DLA}	<0.0050 ^{DLA}	<0.010 ^{DLA}	<0.00010
	Tin (Sn)-Dissolved (mg/L)		<0.00020 ^{DLA}	<0.010 ^{DLA}	<0.0050 ^{DLA}	<0.010 ^{DLA}	<0.00010
	Titanium (Ti)-Dissolved (mg/L)		<0.00060 ^{DLA}	<0.030 ^{DLA}	<0.015 ^{DLA}	<0.030 ^{DLA}	<0.00030
	Tungsten (W)-Dissolved (mg/L)		<0.00020 ^{DLA}	<0.010 ^{DLA}	<0.0050 ^{DLA}	<0.010 ^{DLA}	<0.00010
	Uranium (U)-Dissolved (mg/L)		0.0236	0.0012	0.00320	0.0033	0.00539
	Vanadium (V)-Dissolved (mg/L)		<0.0010 ^{DLA}	<0.050 ^{DLA}	<0.025 ^{DLA}	<0.050 ^{DLA}	<0.00050
	Zinc (Zn)-Dissolved (mg/L)		<0.0020 ^{DLA}	742	467	865	9.98
	Zirconium (Zr)-Dissolved (mg/L)		<0.00060 ^{DLA}	<0.030 ^{DLA}	<0.015 ^{DLA}	<0.030 ^{DLA}	<0.00030

* 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	L1627328-36 Water 14-JUN-15 12:10 MW14-16	L1627328-37 Water 14-JUN-15 13:05 MW14-12D	L1627328-38 Water 14-JUN-15 14:05 MW14-15	L1627328-39 Water 14-JUN-15 14:45 P96-06	L1627328-40 Water 15-JUN-15 09:30 S1B
Grouping	Analyte					
WATER						
Dissolved Metals	Sodium (Na)-Dissolved (mg/L)	5.29	5.01	24.8	4.55	26.5
	Strontium (Sr)-Dissolved (mg/L)	0.513	0.392	0.328	0.506	0.335
	Sulfur (S)-Dissolved (mg/L)	129	51.5	141	181	58.6
	Tellurium (Te)-Dissolved (mg/L)	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
	Thallium (Tl)-Dissolved (mg/L)	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
	Thorium (Th)-Dissolved (mg/L)	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
	Tin (Sn)-Dissolved (mg/L)	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
	Titanium (Ti)-Dissolved (mg/L)	<0.00030	<0.00030	<0.00030	<0.00030	<0.00030
	Tungsten (W)-Dissolved (mg/L)	<0.00010	<0.00010	<0.00010	<0.00010	0.00012
	Uranium (U)-Dissolved (mg/L)	0.00223	0.00139	0.000483	0.0287	0.00268
	Vanadium (V)-Dissolved (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
	Zinc (Zn)-Dissolved (mg/L)	2.29	0.983	4.02	0.264	0.0175
	Zirconium (Zr)-Dissolved (mg/L)	<0.00030	<0.00030	<0.00030	<0.00030	<0.00030

* 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		L1627328-41 Water 15-JUN-15 08:30 MW14-14	L1627328-42 Water 15-JUN-15 09:05 P03-06-02	L1627328-43 Water 12-JUN-15 11:15 DUP-3	L1627328-44 Water 13-JUN-15 14:36 DUP-4	L1627328-45 Water 13-JUN-15 14:36 FB-2
Grouping	Analyte					
WATER						
Dissolved Metals	Sodium (Na)-Dissolved (mg/L)	6.17	23.3	10.2	10.9	<0.050
	Strontium (Sr)-Dissolved (mg/L)	0.541	1.88	1.39	0.589	<0.00020
	Sulfur (S)-Dissolved (mg/L)	284	1360	469	175	<0.50
	Tellurium (Te)-Dissolved (mg/L)	<0.00040 ^{DLA}	<0.0040 ^{DLA}	<0.00040 ^{DLA}	<0.00040 ^{DLA}	<0.00020
	Thallium (Tl)-Dissolved (mg/L)	<0.00020 ^{DLA}	<0.00020 ^{DLA}	<0.00020 ^{DLA}	<0.00020 ^{DLA}	<0.00010
	Thorium (Th)-Dissolved (mg/L)	<0.00020 ^{DLA}	<0.0020 ^{DLA}	<0.00020 ^{DLA}	<0.00020 ^{DLA}	<0.00010
	Tin (Sn)-Dissolved (mg/L)	<0.00020 ^{DLA}	<0.0020 ^{DLA}	<0.00020 ^{DLA}	<0.00020 ^{DLA}	<0.00010
	Titanium (Ti)-Dissolved (mg/L)	<0.00060 ^{DLA}	<0.0060 ^{DLA}	<0.00060 ^{DLA}	<0.00060 ^{DLA}	<0.00030
	Tungsten (W)-Dissolved (mg/L)	<0.00020 ^{DLA}	<0.0020 ^{DLA}	<0.00020 ^{DLA}	<0.00020 ^{DLA}	<0.00010
	Uranium (U)-Dissolved (mg/L)	0.000227	0.00170	0.0268	0.00163	<0.00010
	Vanadium (V)-Dissolved (mg/L)	<0.0010 ^{DLA}	<0.010 ^{DLA}	<0.0010 ^{DLA}	<0.0010 ^{DLA}	<0.00050
	Zinc (Zn)-Dissolved (mg/L)	14.6	35.7	0.0149	12.5	<0.0010
	Zirconium (Zr)-Dissolved (mg/L)	<0.00060 ^{DLA}	<0.0060 ^{DLA}	<0.00060 ^{DLA}	<0.00060 ^{DLA}	<0.00030

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

ALS ENVIRONMENTAL ANALYTICAL REPORT

		Sample ID	L1627328-46	L1627328-47	L1627328-48	L1627328-49	L1627328-50
		Description	Water	Water	Water	Water	Water
		Sampled Date	13-JUN-15	14-JUN-15	14-JUN-15	14-JUN-15	14-JUN-15
		Sampled Time	14:30	11:10	11:10	11:20	18:00
		Client ID	DUP-5	DUP-6	FB-3	DUP-7	FB-4
Grouping	Analyte						
WATER							
Dissolved Metals	Sodium (Na)-Dissolved (mg/L)		6.84	8.41	<0.050	10.9	<0.050
	Strontium (Sr)-Dissolved (mg/L)		0.833	0.404	<0.00020	0.791	<0.00020
	Sulfur (S)-Dissolved (mg/L)		115	27.6	<0.50	176	<0.50
	Tellurium (Te)-Dissolved (mg/L)		<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
	Thallium (Tl)-Dissolved (mg/L)		0.000015	<0.000010	<0.000010	0.000012	<0.000010
	Thorium (Th)-Dissolved (mg/L)		<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
	Tin (Sn)-Dissolved (mg/L)		<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
	Titanium (Ti)-Dissolved (mg/L)		<0.00030	0.00030	<0.00030	<0.00030	<0.00030
	Tungsten (W)-Dissolved (mg/L)		<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
	Uranium (U)-Dissolved (mg/L)		0.00346	0.000513	<0.000010	0.00573	<0.000010
	Vanadium (V)-Dissolved (mg/L)		<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
	Zinc (Zn)-Dissolved (mg/L)		0.0024	0.0027	<0.0010	10.6	<0.0010
	Zirconium (Zr)-Dissolved (mg/L)		<0.00030	<0.00030	0.00031	<0.00030	<0.00030

* 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		L1627328-51 Water 15-JUN-15 13:25 P09-SIS4	L1627328-52 Water 15-JUN-15 13:15 P09-SIS5	L1627328-53 Water 14-JUN-15 09:30 P09-LCD4	L1627328-54 Water 14-JUN-15 08:40 P2001-2A	L1627328-55 Water 14-JUN-15 08:50 P2001-2B
Grouping	Analyte					
WATER						
Dissolved Metals	Sodium (Na)-Dissolved (mg/L)	35.1	62.9	68.9	9.07	12.0
	Strontium (Sr)-Dissolved (mg/L)	2.46	2.04	0.450	2.46	2.48
	Sulfur (S)-Dissolved (mg/L)	2280	1360	41.7	628	608
	Tellurium (Te)-Dissolved (mg/L)	<0.0040 ^{DLA}	<0.0010 ^{DLA}	<0.00020	<0.00040 ^{DLA}	<0.00040 ^{DLA}
	Thallium (Tl)-Dissolved (mg/L)	<0.00020 ^{DLA}	<0.000050 ^{DLA}	0.000013	<0.000020 ^{DLA}	<0.000020 ^{DLA}
	Thorium (Th)-Dissolved (mg/L)	<0.0020 ^{DLA}	<0.00050 ^{DLA}	<0.00010	<0.00020 ^{DLA}	<0.00020 ^{DLA}
	Tin (Sn)-Dissolved (mg/L)	<0.0020 ^{DLA}	<0.00050 ^{DLA}	0.00023	<0.00020 ^{DLA}	<0.00020 ^{DLA}
	Titanium (Ti)-Dissolved (mg/L)	<0.0060 ^{DLA}	<0.0015 ^{DLA}	<0.00030	<0.00060 ^{DLA}	<0.00060 ^{DLA}
	Tungsten (W)-Dissolved (mg/L)	<0.0020 ^{DLA}	<0.00050 ^{DLA}	<0.00010	<0.00020 ^{DLA}	<0.00020 ^{DLA}
	Uranium (U)-Dissolved (mg/L)	0.0104	0.0193	0.00374	0.0792	0.0848
	Vanadium (V)-Dissolved (mg/L)	<0.010 ^{DLA}	<0.0025 ^{DLA}	<0.00050	<0.0010 ^{DLA}	<0.0010 ^{DLA}
	Zinc (Zn)-Dissolved (mg/L)	118	10.6	0.0049	<0.0020 ^{DLA}	0.0091 ^{DLA}
	Zirconium (Zr)-Dissolved (mg/L)	<0.0060 ^{DLA}	<0.0015 ^{DLA}	0.00044	0.00117	<0.00060 ^{DLA}

* 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				
	L1627328-56 Water TRAVEL BLANK 2				
Grouping	Analyte				
WATER					
Dissolved Metals	Sodium (Na)-Dissolved (mg/L) Strontium (Sr)-Dissolved (mg/L) Sulfur (S)-Dissolved (mg/L) Tellurium (Te)-Dissolved (mg/L) Thallium (Tl)-Dissolved (mg/L) Thorium (Th)-Dissolved (mg/L) Tin (Sn)-Dissolved (mg/L) Titanium (Ti)-Dissolved (mg/L) Tungsten (W)-Dissolved (mg/L) Uranium (U)-Dissolved (mg/L) Vanadium (V)-Dissolved (mg/L) Zinc (Zn)-Dissolved (mg/L) Zirconium (Zr)-Dissolved (mg/L)				

* 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	Conductivity	B	L1627328-1, -10, -11, -12, -13, -14, -15, -16, -17, -18, -19, -2, -20, -21, -22, -23, -24, -25, -26, -27, -28, -29, -3, -30, -31, -32, -33, -34, -35, -36, -37, -38, -39, -4, -40, -41, -42, -43, -44, -45, -46, -47, -48, -49, -5, -50, -51, -52, -53, -54, -55, -6, -7, -8, -9
Duplicate	Aluminum (Al)-Dissolved	DLA	L1627328-1, -10, -11, -12, -13, -14, -15, -16, -17, -18, -19, -2, -20, -21, -22, -23, -24, -25, -26, -27, -28, -29, -3, -30, -31, -32, -33, -34, -35, -36, -37, -38, -39, -4, -40, -41, -42, -43, -44, -45, -46, -47, -48, -49, -5, -50, -51, -52, -53, -54, -55, -6, -7, -8, -9
Duplicate	Antimony (Sb)-Dissolved	DLA	L1627328-1, -10, -11, -12, -13, -14, -15, -16, -17, -18, -19, -2, -20, -21, -22, -23, -24, -25, -26, -27, -28, -29, -3, -30, -31, -32, -33, -34, -35, -36, -37, -38, -39, -4, -40, -41, -42, -43, -44, -45, -46, -47, -48, -49, -5, -50, -51, -52, -53, -54, -55, -6, -7, -8, -9
Duplicate	Beryllium (Be)-Dissolved	DLA	L1627328-1, -10, -11, -12, -13, -14, -15, -16, -17, -18, -19, -2, -20, -21, -22, -23, -24, -25, -26, -27, -28, -29, -3, -30, -31, -32, -33, -34, -35, -36, -37, -38, -39, -4, -40, -41, -42, -43, -44, -45, -46, -47, -48, -49, -5, -50, -51, -52, -53, -54, -55, -6, -7, -8, -9
Duplicate	Bismuth (Bi)-Dissolved	DLA	L1627328-1, -10, -11, -12, -13, -14, -15, -16, -17, -18, -19, -2, -20, -21, -22, -23, -24, -25, -26, -27, -28, -29, -3, -30, -31, -32, -33, -34, -35, -36, -37, -38, -39, -4, -40, -41, -42, -43, -44, -45, -46, -47, -48, -49, -5, -50, -51, -52, -53, -54, -55, -6, -7, -8, -9
Duplicate	Cesium (Cs)-Dissolved	DLA	L1627328-1, -10, -11, -12, -13, -14, -15, -16, -17, -18, -19, -2, -20, -21, -22, -23, -24, -25, -26, -27, -28, -29, -3, -30, -31, -32, -33, -34, -35, -36, -37, -38, -39, -4, -40, -41, -42, -43, -44, -45, -46, -47, -48, -49, -5, -50, -51, -52, -53, -54, -55, -6, -7, -8, -9
Duplicate	Chromium (Cr)-Dissolved	DLA	L1627328-1, -10, -11, -12, -13, -14, -15, -16, -17, -18, -19, -2, -20, -21, -22, -23, -24, -25, -26, -27, -28, -29, -3, -30, -31, -32, -33, -34, -35, -36, -37, -38, -39, -4, -40, -41, -42, -43, -44, -45, -46, -47, -48, -49, -5, -50, -51, -52, -53, -54, -55, -6, -7, -8, -9
Duplicate	Iron (Fe)-Dissolved	DLA	L1627328-1, -10, -11, -12, -13, -14, -15, -16, -17, -18, -19, -2, -20, -21, -22, -23, -24, -25, -26, -27, -28, -29, -3, -30, -31, -32, -33, -34, -35, -36, -37, -38, -39, -4, -40, -41, -42, -43, -44, -45, -46, -47, -48, -49, -5, -50, -51, -52, -53, -54, -55, -6, -7, -8, -9
Duplicate	Lead (Pb)-Dissolved	DLA	L1627328-1, -10, -11, -12, -13, -14, -15, -16, -17, -18, -19, -2, -20, -21, -22, -23, -24, -25, -26, -27, -28, -29, -3, -30, -31, -32, -33, -34, -35, -36, -37, -38, -39, -4, -40, -41, -42, -43, -44, -45, -46, -47, -48, -49, -5, -50, -51, -52, -53, -54, -55, -6, -7, -8, -9
Duplicate	Phosphorus (P)-Dissolved	DLA	L1627328-1, -10, -11, -12, -13, -14, -15, -16, -17, -18, -19, -2, -20, -21, -22, -23, -24, -25, -26, -27, -28, -29, -3, -30, -31, -32, -33, -34, -35, -36, -37, -38, -39, -4, -40, -41, -42, -43, -44, -45, -46, -47, -48, -49, -5, -50, -51, -52, -53, -54, -55, -6, -7, -8, -9
Duplicate	Silver (Ag)-Dissolved	DLA	L1627328-1, -10, -11, -12, -13, -14, -15, -16, -17, -18, -19, -2, -20, -21, -22, -23, -24, -25, -26, -27, -28, -29, -3, -30, -31, -32, -33, -34, -35, -36, -37, -38, -39, -4, -40, -41, -42, -43, -44, -45, -46, -47, -48, -49, -5, -50, -51, -52, -53, -54, -55, -6, -7, -8, -9
Duplicate	Tellurium (Te)-Dissolved	DLA	L1627328-1, -10, -11, -12, -13, -14, -15, -16, -17, -18, -19, -2, -20, -21, -22, -23, -24, -25, -26, -27, -28, -29, -3, -30, -31, -32, -33, -34, -35, -36, -37, -38, -39, -4, -40, -41, -42, -43, -44, -45, -46, -47, -48, -49, -5, -50, -51, -52, -53, -54, -55, -6, -7, -8, -9
Duplicate	Thorium (Th)-Dissolved	DLA	L1627328-1, -10, -11, -12, -13, -14, -15, -16, -17, -18, -19, -2, -20, -21, -22, -23, -24, -25, -26, -27, -28, -29, -3, -30, -31, -32, -33, -34, -35, -36, -37, -38, -39, -4, -40, -41, -42, -43, -44, -45, -46, -47, -48, -49, -5, -50, -51, -52, -53, -54, -55, -6, -7, -8, -9
Duplicate	Tin (Sn)-Dissolved	DLA	L1627328-1, -10, -11, -12, -13, -14, -15, -16, -17, -18, -19, -2, -20, -21, -22, -23, -24, -25, -26, -27, -28, -29, -3, -30, -31, -32, -33, -34, -35, -36, -37, -38, -39, -4, -40, -41, -42, -

Reference Information

	Parameter	Qualifier	Applies to Sample Number(s)
			43, -44, -45, -46, -47, -48, -49, -5, -50, -51, -52, -53, -54, -55, -6, -7, -8, -9
Duplicate	Titanium (Ti)-Dissolved	DLA	L1627328-1, -10, -11, -12, -13, -14, -15, -16, -17, -18, -19, -2, -20, -21, -22, -23, -24, -25, -26, -27, -28, -29, -3, -30, -31, -32, -33, -34, -35, -36, -37, -38, -39, -4, -40, -41, -42, -43, -44, -45, -46, -47, -48, -49, -5, -50, -51, -52, -53, -54, -55, -6, -7, -8, -9
Duplicate	Tungsten (W)-Dissolved	DLA	L1627328-1, -10, -11, -12, -13, -14, -15, -16, -17, -18, -19, -2, -20, -21, -22, -23, -24, -25, -26, -27, -28, -29, -3, -30, -31, -32, -33, -34, -35, -36, -37, -38, -39, -4, -40, -41, -42, -43, -44, -45, -46, -47, -48, -49, -5, -50, -51, -52, -53, -54, -55, -6, -7, -8, -9
Duplicate	Zinc (Zn)-Dissolved	DLA	L1627328-1, -10, -11, -12, -13, -14, -15, -16, -17, -18, -19, -2, -20, -21, -22, -23, -24, -25, -26, -27, -28, -29, -3, -30, -31, -32, -33, -34, -35, -36, -37, -38, -39, -4, -40, -41, -42, -43, -44, -45, -46, -47, -48, -49, -5, -50, -51, -52, -53, -54, -55, -6, -7, -8, -9
Duplicate	Zirconium (Zr)-Dissolved	DLA	L1627328-1, -10, -11, -12, -13, -14, -15, -16, -17, -18, -19, -2, -20, -21, -22, -23, -24, -25, -26, -27, -28, -29, -3, -30, -31, -32, -33, -34, -35, -36, -37, -38, -39, -4, -40, -41, -42, -43, -44, -45, -46, -47, -48, -49, -5, -50, -51, -52, -53, -54, -55, -6, -7, -8, -9
Duplicate	Antimony (Sb)-Dissolved	DLA	L1627328-1, -10, -11, -12, -13, -14, -15, -16, -17, -18, -19, -2, -20, -21, -22, -23, -24, -25, -26, -27, -28, -29, -3, -30, -31, -32, -33, -34, -35, -36, -37, -38, -39, -4, -40, -41, -42, -43, -44, -45, -46, -47, -48, -49, -5, -50, -51, -52, -53, -54, -55, -6, -7, -8, -9
Duplicate	Beryllium (Be)-Dissolved	DLA	L1627328-1, -10, -11, -12, -13, -14, -15, -16, -17, -18, -19, -2, -20, -21, -22, -23, -24, -25, -26, -27, -28, -29, -3, -30, -31, -32, -33, -34, -35, -36, -37, -38, -39, -4, -40, -41, -42, -43, -44, -45, -46, -47, -48, -49, -5, -50, -51, -52, -53, -54, -55, -6, -7, -8, -9
Duplicate	Bismuth (Bi)-Dissolved	DLA	L1627328-1, -10, -11, -12, -13, -14, -15, -16, -17, -18, -19, -2, -20, -21, -22, -23, -24, -25, -26, -27, -28, -29, -3, -30, -31, -32, -33, -34, -35, -36, -37, -38, -39, -4, -40, -41, -42, -43, -44, -45, -46, -47, -48, -49, -5, -50, -51, -52, -53, -54, -55, -6, -7, -8, -9
Duplicate	Cesium (Cs)-Dissolved	DLA	L1627328-1, -10, -11, -12, -13, -14, -15, -16, -17, -18, -19, -2, -20, -21, -22, -23, -24, -25, -26, -27, -28, -29, -3, -30, -31, -32, -33, -34, -35, -36, -37, -38, -39, -4, -40, -41, -42, -43, -44, -45, -46, -47, -48, -49, -5, -50, -51, -52, -53, -54, -55, -6, -7, -8, -9
Duplicate	Cobalt (Co)-Dissolved	DLA	L1627328-1, -10, -11, -12, -13, -14, -15, -16, -17, -18, -19, -2, -20, -21, -22, -23, -24, -25, -26, -27, -28, -29, -3, -30, -31, -32, -33, -34, -35, -36, -37, -38, -39, -4, -40, -41, -42, -43, -44, -45, -46, -47, -48, -49, -5, -50, -51, -52, -53, -54, -55, -6, -7, -8, -9
Duplicate	Iron (Fe)-Dissolved	DLA	L1627328-1, -10, -11, -12, -13, -14, -15, -16, -17, -18, -19, -2, -20, -21, -22, -23, -24, -25, -26, -27, -28, -29, -3, -30, -31, -32, -33, -34, -35, -36, -37, -38, -39, -4, -40, -41, -42, -43, -44, -45, -46, -47, -48, -49, -5, -50, -51, -52, -53, -54, -55, -6, -7, -8, -9
Duplicate	Lead (Pb)-Dissolved	DLA	L1627328-1, -10, -11, -12, -13, -14, -15, -16, -17, -18, -19, -2, -20, -21, -22, -23, -24, -25, -26, -27, -28, -29, -3, -30, -31, -32, -33, -34, -35, -36, -37, -38, -39, -4, -40, -41, -42, -43, -44, -45, -46, -47, -48, -49, -5, -50, -51, -52, -53, -54, -55, -6, -7, -8, -9
Duplicate	Phosphorus (P)-Dissolved	DLA	L1627328-1, -10, -11, -12, -13, -14, -15, -16, -17, -18, -19, -2, -20, -21, -22, -23, -24, -25, -26, -27, -28, -29, -3, -30, -31, -32, -33, -34, -35, -36, -37, -38, -39, -4, -40, -41, -42, -43, -44, -45, -46, -47, -48, -49, -5, -50, -51, -52, -53, -54, -55, -6, -7, -8, -9
Duplicate	Rubidium (Rb)-Dissolved	DLA	L1627328-1, -10, -11, -12, -13, -14, -15, -16, -17, -18, -19, -2, -20, -21, -22, -23, -24, -25, -26, -27, -28, -29, -3, -30, -31, -32, -33, -34, -35, -36, -37, -38, -39, -4, -40, -41, -42, -43, -44, -45, -46, -47, -48, -49, -5, -50, -51, -52, -53, -54, -55, -6, -7, -8, -9
Duplicate	Silver (Ag)-Dissolved	DLA	L1627328-1, -10, -11, -12, -13, -14, -15, -16, -17, -18, -19,

Reference Information

	Parameter	Qualifier	Applies to Sample Number(s)
			-2, -20, -21, -22, -23, -24, -25, -26, -27, -28, -29, -3, -30, -31, -32, -33, -34, -35, -36, -37, -38, -39, -4, -40, -41, -42, -43, -44, -45, -46, -47, -48, -49, -5, -50, -51, -52, -53, -54, -55, -6, -7, -8, -9
Duplicate	Tellurium (Te)-Dissolved	DLA	L1627328-1, -10, -11, -12, -13, -14, -15, -16, -17, -18, -19, -2, -20, -21, -22, -23, -24, -25, -26, -27, -28, -29, -3, -30, -31, -32, -33, -34, -35, -36, -37, -38, -39, -4, -40, -41, -42, -43, -44, -45, -46, -47, -48, -49, -5, -50, -51, -52, -53, -54, -55, -6, -7, -8, -9
Duplicate	Thallium (Tl)-Dissolved	DLA	L1627328-1, -10, -11, -12, -13, -14, -15, -16, -17, -18, -19, -2, -20, -21, -22, -23, -24, -25, -26, -27, -28, -29, -3, -30, -31, -32, -33, -34, -35, -36, -37, -38, -39, -4, -40, -41, -42, -43, -44, -45, -46, -47, -48, -49, -5, -50, -51, -52, -53, -54, -55, -6, -7, -8, -9
Duplicate	Thorium (Th)-Dissolved	DLA	L1627328-1, -10, -11, -12, -13, -14, -15, -16, -17, -18, -19, -2, -20, -21, -22, -23, -24, -25, -26, -27, -28, -29, -3, -30, -31, -32, -33, -34, -35, -36, -37, -38, -39, -4, -40, -41, -42, -43, -44, -45, -46, -47, -48, -49, -5, -50, -51, -52, -53, -54, -55, -6, -7, -8, -9
Duplicate	Tin (Sn)-Dissolved	DLA	L1627328-1, -10, -11, -12, -13, -14, -15, -16, -17, -18, -19, -2, -20, -21, -22, -23, -24, -25, -26, -27, -28, -29, -3, -30, -31, -32, -33, -34, -35, -36, -37, -38, -39, -4, -40, -41, -42, -43, -44, -45, -46, -47, -48, -49, -5, -50, -51, -52, -53, -54, -55, -6, -7, -8, -9
Duplicate	Titanium (Ti)-Dissolved	DLA	L1627328-1, -10, -11, -12, -13, -14, -15, -16, -17, -18, -19, -2, -20, -21, -22, -23, -24, -25, -26, -27, -28, -29, -3, -30, -31, -32, -33, -34, -35, -36, -37, -38, -39, -4, -40, -41, -42, -43, -44, -45, -46, -47, -48, -49, -5, -50, -51, -52, -53, -54, -55, -6, -7, -8, -9
Duplicate	Tungsten (W)-Dissolved	DLA	L1627328-1, -10, -11, -12, -13, -14, -15, -16, -17, -18, -19, -2, -20, -21, -22, -23, -24, -25, -26, -27, -28, -29, -3, -30, -31, -32, -33, -34, -35, -36, -37, -38, -39, -4, -40, -41, -42, -43, -44, -45, -46, -47, -48, -49, -5, -50, -51, -52, -53, -54, -55, -6, -7, -8, -9
Duplicate	Zirconium (Zr)-Dissolved	DLA	L1627328-1, -10, -11, -12, -13, -14, -15, -16, -17, -18, -19, -2, -20, -21, -22, -23, -24, -25, -26, -27, -28, -29, -3, -30, -31, -32, -33, -34, -35, -36, -37, -38, -39, -4, -40, -41, -42, -43, -44, -45, -46, -47, -48, -49, -5, -50, -51, -52, -53, -54, -55, -6, -7, -8, -9
Duplicate	Manganese (Mn)-Dissolved	DLA	L1627328-1, -10, -11, -12, -13, -14, -15, -16, -17, -18, -19, -2, -20, -21, -22, -23, -24, -25, -26, -27, -28, -29, -3, -30, -31, -32, -33, -34, -35, -36, -37, -38, -39, -4, -40, -41, -42, -43, -44, -45, -46, -47, -48, -49, -5, -50, -51, -52, -53, -54, -55, -6, -7, -8, -9
Duplicate	Zinc (Zn)-Dissolved	DLA	L1627328-1, -10, -11, -12, -13, -14, -15, -16, -17, -18, -19, -2, -20, -21, -22, -23, -24, -25, -26, -27, -28, -29, -3, -30, -31, -32, -33, -34, -35, -36, -37, -38, -39, -4, -40, -41, -42, -43, -44, -45, -46, -47, -48, -49, -5, -50, -51, -52, -53, -54, -55, -6, -7, -8, -9
Matrix Spike	Barium (Ba)-Dissolved	MS-B	L1627328-1, -10, -11, -12, -13, -14, -15, -16, -17, -18, -19, -2, -20, -21, -22, -23, -24, -25, -26, -27, -28, -29, -3, -30, -31, -32, -33, -34, -35, -36, -37, -38, -39, -4, -40, -41, -42, -43, -44, -45, -46, -47, -48, -49, -5, -50, -51, -52, -53, -54, -55, -6, -7, -8, -9
Matrix Spike	Calcium (Ca)-Dissolved	MS-B	L1627328-1, -10, -11, -12, -13, -14, -15, -16, -17, -18, -19, -2, -20, -21, -22, -23, -24, -25, -26, -27, -28, -29, -3, -30, -31, -32, -33, -34, -35, -36, -37, -38, -39, -4, -40, -41, -42, -43, -44, -45, -46, -47, -48, -49, -5, -50, -51, -52, -53, -54, -55, -6, -7, -8, -9
Matrix Spike	Magnesium (Mg)-Dissolved	MS-B	L1627328-1, -10, -11, -12, -13, -14, -15, -16, -17, -18, -19, -2, -20, -21, -22, -23, -24, -25, -26, -27, -28, -29, -3, -30, -31, -32, -33, -34, -35, -36, -37, -38, -39, -4, -40, -41, -42, -43, -44, -45, -46, -47, -48, -49, -5, -50, -51, -52, -53, -54, -55, -6, -7, -8, -9
Matrix Spike	Strontium (Sr)-Dissolved	MS-B	L1627328-1, -10, -11, -12, -13, -14, -15, -16, -17, -18, -19, -2, -20, -21, -22, -23, -24, -25, -26, -27, -28, -29, -3, -30, -31, -32, -33, -34, -35, -36, -37, -38, -39, -4, -40, -41, -42, -43, -44, -45, -46, -47, -48, -49, -5, -50, -51, -52, -53, -54, -

Reference Information

	Parameter	Qualifier	Applies to Sample Number(s)
			55, -6, -7, -8, -9
Matrix Spike	Sulfate (SO4)	MS-B	L1627328-15, -16, -19, -46, -47
Matrix Spike	Aluminum (Al)-Dissolved	MS-B	L1627328-1, -10, -11, -12, -13, -14, -15, -16, -17, -18, -19, -2, -20, -21, -22, -23, -24, -25, -26, -27, -28, -29, -3, -30, -31, -32, -33, -34, -35, -36, -37, -38, -39, -4, -40, -41, -42, -43, -44, -45, -46, -47, -48, -49, -5, -50, -51, -52, -53, -54, -55, -6, -7, -8, -9
Matrix Spike	Cadmium (Cd)-Dissolved	MS-B	L1627328-1, -10, -11, -12, -13, -14, -15, -16, -17, -18, -19, -2, -20, -21, -22, -23, -24, -25, -26, -27, -28, -29, -3, -30, -31, -32, -33, -34, -35, -36, -37, -38, -39, -4, -40, -41, -42, -43, -44, -45, -46, -47, -48, -49, -5, -50, -51, -52, -53, -54, -55, -6, -7, -8, -9
Matrix Spike	Calcium (Ca)-Dissolved	MS-B	L1627328-1, -10, -11, -12, -13, -14, -15, -16, -17, -18, -19, -2, -20, -21, -22, -23, -24, -25, -26, -27, -28, -29, -3, -30, -31, -32, -33, -34, -35, -36, -37, -38, -39, -4, -40, -41, -42, -43, -44, -45, -46, -47, -48, -49, -5, -50, -51, -52, -53, -54, -55, -6, -7, -8, -9
Matrix Spike	Cesium (Cs)-Dissolved	MS-B	L1627328-1, -10, -11, -12, -13, -14, -15, -16, -17, -18, -19, -2, -20, -21, -22, -23, -24, -25, -26, -27, -28, -29, -3, -30, -31, -32, -33, -34, -35, -36, -37, -38, -39, -4, -40, -41, -42, -43, -44, -45, -46, -47, -48, -49, -5, -50, -51, -52, -53, -54, -55, -6, -7, -8, -9
Matrix Spike	Cobalt (Co)-Dissolved	MS-B	L1627328-1, -10, -11, -12, -13, -14, -15, -16, -17, -18, -19, -2, -20, -21, -22, -23, -24, -25, -26, -27, -28, -29, -3, -30, -31, -32, -33, -34, -35, -36, -37, -38, -39, -4, -40, -41, -42, -43, -44, -45, -46, -47, -48, -49, -5, -50, -51, -52, -53, -54, -55, -6, -7, -8, -9
Matrix Spike	Copper (Cu)-Dissolved	MS-B	L1627328-1, -10, -11, -12, -13, -14, -15, -16, -17, -18, -19, -2, -20, -21, -22, -23, -24, -25, -26, -27, -28, -29, -3, -30, -31, -32, -33, -34, -35, -36, -37, -38, -39, -4, -40, -41, -42, -43, -44, -45, -46, -47, -48, -49, -5, -50, -51, -52, -53, -54, -55, -6, -7, -8, -9
Matrix Spike	Iron (Fe)-Dissolved	MS-B	L1627328-1, -10, -11, -12, -13, -14, -15, -16, -17, -18, -19, -2, -20, -21, -22, -23, -24, -25, -26, -27, -28, -29, -3, -30, -31, -32, -33, -34, -35, -36, -37, -38, -39, -4, -40, -41, -42, -43, -44, -45, -46, -47, -48, -49, -5, -50, -51, -52, -53, -54, -55, -6, -7, -8, -9
Matrix Spike	Magnesium (Mg)-Dissolved	MS-B	L1627328-1, -10, -11, -12, -13, -14, -15, -16, -17, -18, -19, -2, -20, -21, -22, -23, -24, -25, -26, -27, -28, -29, -3, -30, -31, -32, -33, -34, -35, -36, -37, -38, -39, -4, -40, -41, -42, -43, -44, -45, -46, -47, -48, -49, -5, -50, -51, -52, -53, -54, -55, -6, -7, -8, -9
Matrix Spike	Manganese (Mn)-Dissolved	MS-B	L1627328-1, -10, -11, -12, -13, -14, -15, -16, -17, -18, -19, -2, -20, -21, -22, -23, -24, -25, -26, -27, -28, -29, -3, -30, -31, -32, -33, -34, -35, -36, -37, -38, -39, -4, -40, -41, -42, -43, -44, -45, -46, -47, -48, -49, -5, -50, -51, -52, -53, -54, -55, -6, -7, -8, -9
Matrix Spike	Nickel (Ni)-Dissolved	MS-B	L1627328-1, -10, -11, -12, -13, -14, -15, -16, -17, -18, -19, -2, -20, -21, -22, -23, -24, -25, -26, -27, -28, -29, -3, -30, -31, -32, -33, -34, -35, -36, -37, -38, -39, -4, -40, -41, -42, -43, -44, -45, -46, -47, -48, -49, -5, -50, -51, -52, -53, -54, -55, -6, -7, -8, -9
Matrix Spike	Potassium (K)-Dissolved	MS-B	L1627328-1, -10, -11, -12, -13, -14, -15, -16, -17, -18, -19, -2, -20, -21, -22, -23, -24, -25, -26, -27, -28, -29, -3, -30, -31, -32, -33, -34, -35, -36, -37, -38, -39, -4, -40, -41, -42, -43, -44, -45, -46, -47, -48, -49, -5, -50, -51, -52, -53, -54, -55, -6, -7, -8, -9
Matrix Spike	Silicon (Si)-Dissolved	MS-B	L1627328-1, -10, -11, -12, -13, -14, -15, -16, -17, -18, -19, -2, -20, -21, -22, -23, -24, -25, -26, -27, -28, -29, -3, -30, -31, -32, -33, -34, -35, -36, -37, -38, -39, -4, -40, -41, -42, -43, -44, -45, -46, -47, -48, -49, -5, -50, -51, -52, -53, -54, -55, -6, -7, -8, -9
Matrix Spike	Sodium (Na)-Dissolved	MS-B	L1627328-1, -10, -11, -12, -13, -14, -15, -16, -17, -18, -19, -2, -20, -21, -22, -23, -24, -25, -26, -27, -28, -29, -3, -30, -31, -32, -33, -34, -35, -36, -37, -38, -39, -4, -40, -41, -42, -43, -44, -45, -46, -47, -48, -49, -5, -50, -51, -52, -53, -54, -55, -6, -7, -8, -9
Matrix Spike	Strontium (Sr)-Dissolved	MS-B	L1627328-1, -10, -11, -12, -13, -14, -15, -16, -17, -18, -19,

Reference Information

Parameter	Qualifier	Applies to Sample Number(s)
		-2, -20, -21, -22, -23, -24, -25, -26, -27, -28, -29, -3, -30, -31, -32, -33, -34, -35, -36, -37, -38, -39, -4, -40, -41, -42, -43, -44, -45, -46, -47, -48, -49, -5, -50, -51, -52, -53, -54, -55, -6, -7, -8, -9
Matrix Spike	Sulfur (S)-Dissolved	MS-B L1627328-1, -10, -11, -12, -13, -14, -15, -16, -17, -18, -19, -2, -20, -21, -22, -23, -24, -25, -26, -27, -28, -29, -3, -30, -31, -32, -33, -34, -35, -36, -37, -38, -39, -4, -40, -41, -42, -43, -44, -45, -46, -47, -48, -49, -5, -50, -51, -52, -53, -54, -55, -6, -7, -8, -9
Matrix Spike	Zinc (Zn)-Dissolved	MS-B L1627328-1, -10, -11, -12, -13, -14, -15, -16, -17, -18, -19, -2, -20, -21, -22, -23, -24, -25, -26, -27, -28, -29, -3, -30, -31, -32, -33, -34, -35, -36, -37, -38, -39, -4, -40, -41, -42, -43, -44, -45, -46, -47, -48, -49, -5, -50, -51, -52, -53, -54, -55, -6, -7, -8, -9
Matrix Spike	Sulfate (SO4)	MS-B L1627328-1, -10, -11, -12, -13, -14, -17, -18, -2, -20, -21, -22, -23, -24, -25, -26, -27, -28, -29, -3, -30, -31, -32, -33, -34, -35, -36, -37, -38, -39, -4, -40, -41, -42, -43, -44, -45, -48, -49, -5, -50, -51, -52, -53, -54, -55, -56, -6, -7, -8, -9
Matrix Spike	Barium (Ba)-Dissolved	MS-B L1627328-1, -10, -11, -12, -13, -14, -15, -16, -17, -18, -19, -2, -20, -21, -22, -23, -24, -25, -26, -27, -28, -29, -3, -30, -31, -32, -33, -34, -35, -36, -37, -38, -39, -4, -40, -41, -42, -43, -44, -45, -46, -47, -48, -49, -5, -50, -51, -52, -53, -54, -55, -6, -7, -8, -9
Matrix Spike	Boron (B)-Dissolved	MS-B L1627328-1, -10, -11, -12, -13, -14, -15, -16, -17, -18, -19, -2, -20, -21, -22, -23, -24, -25, -26, -27, -28, -29, -3, -30, -31, -32, -33, -34, -35, -36, -37, -38, -39, -4, -40, -41, -42, -43, -44, -45, -46, -47, -48, -49, -5, -50, -51, -52, -53, -54, -55, -6, -7, -8, -9
Matrix Spike	Calcium (Ca)-Dissolved	MS-B L1627328-1, -10, -11, -12, -13, -14, -15, -16, -17, -18, -19, -2, -20, -21, -22, -23, -24, -25, -26, -27, -28, -29, -3, -30, -31, -32, -33, -34, -35, -36, -37, -38, -39, -4, -40, -41, -42, -43, -44, -45, -46, -47, -48, -49, -5, -50, -51, -52, -53, -54, -55, -6, -7, -8, -9
Matrix Spike	Magnesium (Mg)-Dissolved	MS-B L1627328-1, -10, -11, -12, -13, -14, -15, -16, -17, -18, -19, -2, -20, -21, -22, -23, -24, -25, -26, -27, -28, -29, -3, -30, -31, -32, -33, -34, -35, -36, -37, -38, -39, -4, -40, -41, -42, -43, -44, -45, -46, -47, -48, -49, -5, -50, -51, -52, -53, -54, -55, -6, -7, -8, -9
Matrix Spike	Manganese (Mn)-Dissolved	MS-B L1627328-1, -10, -11, -12, -13, -14, -15, -16, -17, -18, -19, -2, -20, -21, -22, -23, -24, -25, -26, -27, -28, -29, -3, -30, -31, -32, -33, -34, -35, -36, -37, -38, -39, -4, -40, -41, -42, -43, -44, -45, -46, -47, -48, -49, -5, -50, -51, -52, -53, -54, -55, -6, -7, -8, -9
Matrix Spike	Molybdenum (Mo)-Dissolved	MS-B L1627328-1, -10, -11, -12, -13, -14, -15, -16, -17, -18, -19, -2, -20, -21, -22, -23, -24, -25, -26, -27, -28, -29, -3, -30, -31, -32, -33, -34, -35, -36, -37, -38, -39, -4, -40, -41, -42, -43, -44, -45, -46, -47, -48, -49, -5, -50, -51, -52, -53, -54, -55, -6, -7, -8, -9
Matrix Spike	Potassium (K)-Dissolved	MS-B L1627328-1, -10, -11, -12, -13, -14, -15, -16, -17, -18, -19, -2, -20, -21, -22, -23, -24, -25, -26, -27, -28, -29, -3, -30, -31, -32, -33, -34, -35, -36, -37, -38, -39, -4, -40, -41, -42, -43, -44, -45, -46, -47, -48, -49, -5, -50, -51, -52, -53, -54, -55, -6, -7, -8, -9
Matrix Spike	Silicon (Si)-Dissolved	MS-B L1627328-1, -10, -11, -12, -13, -14, -15, -16, -17, -18, -19, -2, -20, -21, -22, -23, -24, -25, -26, -27, -28, -29, -3, -30, -31, -32, -33, -34, -35, -36, -37, -38, -39, -4, -40, -41, -42, -43, -44, -45, -46, -47, -48, -49, -5, -50, -51, -52, -53, -54, -55, -6, -7, -8, -9
Matrix Spike	Sodium (Na)-Dissolved	MS-B L1627328-1, -10, -11, -12, -13, -14, -15, -16, -17, -18, -19, -2, -20, -21, -22, -23, -24, -25, -26, -27, -28, -29, -3, -30, -31, -32, -33, -34, -35, -36, -37, -38, -39, -4, -40, -41, -42, -43, -44, -45, -46, -47, -48, -49, -5, -50, -51, -52, -53, -54, -55, -6, -7, -8, -9
Matrix Spike	Strontium (Sr)-Dissolved	MS-B L1627328-1, -10, -11, -12, -13, -14, -15, -16, -17, -18, -19, -2, -20, -21, -22, -23, -24, -25, -26, -27, -28, -29, -3, -30, -31, -32, -33, -34, -35, -36, -37, -38, -39, -4, -40, -41, -42, -43, -44, -45, -46, -47, -48, -49, -5, -50, -51, -52, -53, -54, -55, -6, -7, -8, -9

Reference Information

Parameter	Qualifier	Applies to Sample Number(s)
		55, -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"
<p>This analysis is carried out using procedures adapted from APHA Method 2310 "Acidity". Acidity is determined by potentiometric titration to a specified endpoint.</p> <p>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.</p>			
ACY-PCT-VA	Water	Acidity by Automatic Titration	APHA 2310 Acidity
<p>This analysis is carried out using procedures adapted from APHA Method 2310 "Acidity". Acidity is determined by potentiometric titration to a specified endpoint.</p> <p>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.</p>			
ALK-TITR-VA	Water	Alkalinity Species by Titration	APHA 2320 Alkalinity
<p>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.</p>			
CL-IC-N-WR	Water	Chloride in Water by IC	EPA 300.1 (mod)
<p>Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.</p>			
EC-PCT-VA	Water	Conductivity (Automated)	APHA 2510 Auto. Conduc.
<p>This analysis is carried out using procedures adapted from APHA Method 2510 "Conductivity". Conductivity is determined using a conductivity electrode.</p>			
HARDNESS-CALC-VA	Water	Hardness	APHA 2340B
<p>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.</p>			
MET-D-CCMS-VA	Water	Dissolved Metals in Water by CRC ICPMS	APHA 3030B/6020A (mod)
<p>Water samples are filtered (0.45 um), preserved with nitric acid, and analyzed by CRC ICPMS.</p> <p>Method Limitation (re: Sulfur): Sulfide and volatile sulfur species may not be recovered by this method.</p>			
MET-T-CCMS-VA	Water	Total Metals in Water by CRC ICPMS	EPA 200.2/6020A (mod)
<p>Water samples are digested with nitric and hydrochloric acids, and analyzed by CRC ICPMS.</p> <p>Method Limitation (re: Sulfur): Sulfide and volatile sulfur species may not be recovered by this method.</p>			
PH-PCT-VA	Water	pH by Meter (Automated)	APHA 4500-H "pH Value"
<p>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</p> <p>It is recommended that this analysis be conducted in the field.</p>			
PH-PCT-VA	Water	pH by Meter (Automated)	APHA 4500-H pH Value
<p>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</p> <p>It is recommended that this analysis be conducted in the field.</p>			
SO4-IC-N-WR	Water	Sulfate in Water by IC	EPA 300.1 (mod)
<p>Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.</p>			

Reference Information

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	4	5
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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

COC Number: 1 -



Canada Toll Free: 1 800 668 9878



Page 1 of 5

Report To		Report Format / E		L1627328-COFC		(Rush Turnaround Time (TAT) is not available for all tests) ed by 3 pm - business days)					
Company: Hemmera Environchem Inc.		Select Report Format: <input checked="" type="checkbox"/> PDF <input type="checkbox"/> L		Quality Control (QC) Report with Report <input checked="" 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		E <input type="checkbox"/> Emergency (1-2 bus. days if received by 3pm) 100% surcharge - contact ALS to confirm TAT		E2 <input type="checkbox"/> Same day or weekend emergency - contact ALS to confirm TAT and surcharge	
Contact: Natasha Sandys		Criteria on Report - provide details below if box checked		Select Distribution: <input checked="" type="checkbox"/> EMAIL <input type="checkbox"/> MAIL <input type="checkbox"/> FAX		Specify Date Required for E2, E or P:					
Address: 230 - 2237 2nd Avenue Whitehorse, YT		Email 1 or Fax nsandys@hemmera.com, jhains@hemmera.com, jchris@elr.ca		Email 2 chris@elr.ca							
Phone: 867-456-4865											

Invoice To		Invoice Distribution		Indicate Filtered (F), Preserved (P) or Filtered and Preserved (F/P) below										Number of Containers						
Same as Report To <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Select Invoice Distribution: <input checked="" type="checkbox"/> EMAIL <input type="checkbox"/> MAIL <input type="checkbox"/> FAX																		
Copy of Invoice with Report <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Email 1 or Fax nsandys@hemmera.com																		
Company: Hemmera Environchem Inc.		Email 2 chris@elr.ca																		
Contact: Natasha Sandys																				
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 Sluggett		Sampler: JC, JH, MM, AN																

ALS Sample # (lab use only)	Sample Identification and/or Coordinates (This description will appear on the report)	Date (dd-mm-yy)	Time (hh:mm)	Sample Type	Indicate Filtered (F), Preserved (P) or Filtered and Preserved (F/P) below										Number of Containers				
					acidity (to pH 8.3)	alkalinity	chloride	conductivity	pH	sulphate	suspended solids, total (TSS)	dissolved metals							
V37		13-Jun-15	11:08	Water	R	R	R	R	R	R	R	R							2
P09-VC1		12-Jun-15	17:05	Water	R	R	R	R	R	R	R	R							2
P09-VC2		12-Jun-15	16:50	Water	R	R	R	R	R	R	R	R							2
SRK05-9		12-Jun-15	15:03	Water	R	R	R	R	R	R	R	R							2
SRK05-5C		12-Jun-15	14:00	Water	R	R	R	R	R	R	R	R							2
P96-9A		12-Jun-15	12:30	Water	R	R	R	R	R	R	R	R							2
SRK05-8		12-Jun-15	11:15	Water	R	R	R	R	R	R	R	R							2
BH05-9B-R		12-Jun-15	12:30	Water	R	R	R	R	R	R	R	R							2
SRK05-07		12-Jun-15	9:40	Water	R	R	R	R	R	R	R	R							2
P09-GSIA		13-Jun-15	9:56	Water	R	R	R	R	R	R	R	R							2
P09-GSIB		13-Jun-15	10:10	Water	R	R	R	R	R	R	R	R							2
S1A		13-Jun-15	16:15	Water	R	R	R	R	R	R	R	R							2

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		- 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 <input type="checkbox"/>		SIF Observations Yes <input type="checkbox"/> No <input type="checkbox"/>		Ice packs Yes <input type="checkbox"/> No <input type="checkbox"/>		Custody seal intact Yes <input type="checkbox"/> No <input type="checkbox"/>	
Are samples for human drinking water use? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				Cooling Initiated <input type="checkbox"/>		INITIAL COOLER TEMPERATURES °C		FINAL COOLER TEMPERATURES °C			
				1.8		21, 24, 23, 21					

SHIPMENT RELEASE (client use)				INITIAL SHIPMENT RECEPTION (lab use only)				FINAL SHIPMENT RECEPTION (lab use only)			
Released by: Justin Harris	Date: June 16, 2015	Time: 09:43	Received by: [Signature]	Date: 16 JUN 15	Time: 9:43	Received by:	Date:	Time:			



L1627328-COFC

Report To		Report Format / Distribution			Rush Turnaround Time (TAT) is not available for all tests)											
Company: Hemmera Environchem Inc.		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: Natasha Sandys		Quality Control (QC) Report with Report <input checked="" 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: 230 - 2237 2nd Avenue Whitehorse, YT		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: 867-456-4865		Select Distribution: <input checked="" 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 nsandys@hemmera.com, jhains@hemmera.com, jchris@elr.ca			Specify Date Required for E2, E or P:											
		Email 2 chris@elr.ca			Analysis Request											
Invoice To		Invoice Distribution			Indicate Filtered (F), Preserved (P) or Filtered and Preserved (F/P) below											
Same as Report To <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Select Invoice Distribution: <input checked="" type="checkbox"/> EMAIL <input checked="" type="checkbox"/> MAIL <input type="checkbox"/> FAX														
Copy of Invoice with Report <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Email 1 or Fax nsandys@hemmera.com														
Company: Hemmera Environchem Inc.		Email 2 chris@elr.ca														
Contact: Natasha Sandys																
Project Information		Oil and Gas Required Fields (client use)														
ALS Quote #: Q50389		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 Sluggett			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 6.3)	alkalinity	chloride	conductivity	pH	sulphate	suspended solids, total (TSS)	dissolved metals	Number of Containers
SRK08-SP-7A					13-Jun-15	15:47	Water	R	R	R	R	R	R	R	R	2
SRK05-SP-5					13-Jun-15	15:25	Water	R	R	R	R	R	R	R	R	2
SRK05-SP-4A					13-Jun-15	14:36	Water	R	R	R	R	R	R	R	R	2
P09-LCD6					13-Jun-15	14:30	Water	R	R	R	R	R	R	R	R	2
P2001-3					13-Jun-15	10:15	Water	R	R	R	R	R	R	R	R	2
V36					13-Jun-15	10:10	Water	R	R	R	R	R	R	R	R	2
P09-LCD1					13-Jun-15	15:30	Water	R	R	R	R	R	R	R	R	2
V34					13-Jun-15	16:10	Water	R	R	R	R	R	R	R	R	2
V35					13-Jun-15	17:35	Water	R	R	R	R	R	R	R	R	2
P09-SIS1					14-Jun-15	17:15	Water	R	R	R	R	R	R	R	R	2
S2B					14-Jun-15	16:40	Water	R	R	R	R	R	R	R	R	2
S2A					14-Jun-15	16:00	Water	R	R	R	R	R	R	R	R	2
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				- 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 <input type="checkbox"/> SIF Observations Yes <input type="checkbox"/> No <input type="checkbox"/>								
Are samples for human drinking water use? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No								Ice packs Yes <input type="checkbox"/> No <input type="checkbox"/> Custody seal intact Yes <input type="checkbox"/> No <input type="checkbox"/>								
								Cooling Initiated <input type="checkbox"/>								
								INITIAL COOLER TEMPERATURES °C				FINAL COOLER TEMPERATURES °C				
								18.2, 2.1, 2.4, 2.3, 2.1								
SHIPMENT RELEASE (client use)				INITIAL SHIPMENT RECEPTION (lab use only)				FINAL SHIPMENT RECEPTION (lab use only)								
Released by: Justin Heins		Date: June 16, 2015	Time: 09:43	Received by: [Signature]		Date: 16 JUN 15	Time: 9:43	Received by:				Date:		Time:		

REFER TO BACK PAGE FOR ALS LOCATIONS AND SAMPLING INFORMATION

WHITE - LABORATORY COPY YELLOW - CLIENT COPY

NA-FM-0226e v09 Fric04 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.

1. If any water samples are taken from a Regulated Drinking Water (DW) System, please submit using an Authorized DW COC form.



L1627328-COFC

Report To		Report Format /		(Rush Turnaround Time (TAT) is not available for all tests)															
Company: Hemmera Environchem Inc.		Select Report Format: <input checked="" type="checkbox"/> PDF <input checked="" type="checkbox"/> EXCEL <input type="checkbox"/> EDD (DIGITAL)		Received by 3 pm - business days															
Contact: Natasha Sandys		Quality Control (QC) Report with Report <input checked="" 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: 230 - 2237 2nd Avenue Whitehorse, YT		<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: 867-456-4865		Select Distribution: <input checked="" 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 nsandys@hemmera.com, jhains@hemmera.com, jchris@elr.ca		Specify Date Required for E2,E or P:															
		Email 2 chris@elr.ca		Analysis Request															
Invoice To		Invoice Distribution		Indicate Filtered (F), Preserved (P) or Filtered and Preserved (F/P) below															
Same as Report To <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Select Invoice Distribution: <input checked="" type="checkbox"/> EMAIL <input checked="" type="checkbox"/> MAIL <input type="checkbox"/> FAX																	
Copy of Invoice with Report <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Email 1 or Fax nsandys@hemmera.com																	
Company: Hemmera Environchem Inc.		Email 2 chris@elr.ca																	
Contact: Natasha Sandys																			
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 Sluggett		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			
	MW14-12D			14-Jun-15	13:05	Water	R	R	R	R	R	R	R	R		2			
	MW14-15			14-Jun-15	14:05	Water	R	R	R	R	R	R	R	R		2			
	P96-06			14-Jun-15	14:45	Water	R	R	R	R	R	R	R	R		2			
	S1B			15-Jun-15	9:30	Water	R	R	R	R	R	R	R	R		2			
	MW14-14			15-Jun-15	8:30	Water	R	R	R	R	R	R	R	R		2			
	P03-06-02			15-Jun-15	9:05	Water	R	R	R	R	R	R	R	R		2			
	DUP-3			12-Jun-15	11:15	Water	R	R	R	R	R	R	R	R		2			
	DUP-4			13-Jun-15	14:36	Water	R	R	R	R	R	R	R	R		2			
	FB-2			13-Jun-15	14:36	Water	R	R	R	R	R	R	R	R		2			
	DUP-5			13-Jun-15	14:30	Water	R	R	R	R	R	R	R	R		2			
	DUP-6			14-Jun-15	11:10	Water	R	R	R	R	R	R	R	R		2			
	FB-3			14-Jun-15	11:10	Water	R	R	R	R	R	R	R	R		2			
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				- 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 <input type="checkbox"/> SIF Observations Yes <input type="checkbox"/> No <input type="checkbox"/>											
Are samples for human drinking water use? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No								Ice packs Yes <input type="checkbox"/> No <input type="checkbox"/> Custody seal intact Yes <input type="checkbox"/> No <input type="checkbox"/>											
								Cooling Initiated <input type="checkbox"/>											
								INITIAL COOLER TEMPERATURES °C						FINAL COOLER TEMPERATURES °C					
								1.8, 2.1, 2.4, 2.3, 2.1											
SHIPMENT RELEASE (client use)				INITIAL SHIPMENT RECEPTION (lab use only)				FINAL SHIPMENT RECEPTION (lab use only)											
Released by: Justin Hains		Date: June 16, 2015	Time: 09:43	Received by: [Signature]		Date: 16 Jun 15	Time: 9:43	Received by: _____ Date: _____ Time: _____											

