



EDI ENVIRONMENTAL DYNAMICS INC.  
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Date Received: 06-JUL-16  
Report Date: 18-JUL-16 18:13 (MT)  
Version: FINAL

Client Phone: 867-393-4882

## Certificate of Analysis

Lab Work Order #: L1794268  
Project P.O. #: NOT SUBMITTED  
Job Reference: MOUNT NANSEN 16-Y-0089  
C of C Numbers: 1, 2, 3, 4  
Legal Site Desc:

Can Dang  
Senior Account Manager

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## ALS ENVIRONMENTAL ANALYTICAL REPORT

18-JUL-16 18:13 (MT)

Version: FINAL

Sample ID	Description	Sampled Date	Sampled Time	Client ID	L1794268-1	L1794268-2	L1794268-3	L1794268-4	L1794268-5
					Water	Water	Water	Water	Water
		05-JUL-16	17:05	WQ-DC-DX+105	05-JUL-16	05-JUL-16	05-JUL-16	05-JUL-16	05-JUL-16
					17:05	17:05	11:55	17:30	08:30
					WQ-DC-DX+105	WQ-DC-DX+105-R	WQ-BC	WQ-MS-S-03	WQ-PC-D
Grouping	Analyte								
<b>WATER</b>									
<b>Physical Tests</b>	Conductivity (uS/cm)	1120	1130	381	1200	1230			
	Hardness (as CaCO3) (mg/L)	702	706	198	757	737			
	pH (pH)	7.49	7.50	8.17	7.60	7.85			
	Total Suspended Solids (mg/L)	3.3	3.3	82.0	19.3	83.3			
	Total Dissolved Solids (mg/L)	834	826	234	890	969			
<b>Anions and Nutrients</b>	Alkalinity, Bicarbonate (as CaCO3) (mg/L)	265	266	110	274	119			
	Alkalinity, Carbonate (as CaCO3) (mg/L)	<1.0	<1.0	<1.0	<1.0	<1.0			
	Alkalinity, Hydroxide (as CaCO3) (mg/L)	<1.0	<1.0	<1.0	<1.0	<1.0			
	Alkalinity, Total (as CaCO3) (mg/L)	265	266	110	274	119			
	Ammonia, Total (as N) (mg/L)	0.0188	0.0175	0.0968	0.0309	3.29			
	Chloride (Cl) (mg/L)	<1.0 <sup>DLDS</sup>	<1.0 <sup>DLDS</sup>	0.52	<1.0 <sup>DLDS</sup>	2.3			
	Fluoride (F) (mg/L)	0.201	0.189	0.165	0.218	0.146			
	Nitrate (as N) (mg/L)	0.019	0.026	0.167	<0.010 <sup>DLDS</sup>	0.105			
	Nitrite (as N) (mg/L)	<0.0020 <sup>DLDS</sup>	<0.0020 <sup>DLDS</sup>	0.0059	<0.0020 <sup>DLDS</sup>	0.0337			
	Sulfate (SO4) (mg/L)	422 <sup>MB-LOR</sup>	412 <sup>MB-LOR</sup>	88.3 <sup>MB-LOR</sup>	451 <sup>MB-LOR</sup>	602 <sup>MB-LOR</sup>			
	Anion Sum (meq/L)	14.1	13.9	4.08	14.9	15.0			
	Cation Sum (meq/L)	14.4	14.5	4.27	15.6	15.8			
	Cation - Anion Balance (%)	1.1	2.0	2.3	2.5	2.5			
<b>Cyanides</b>	Cyanide, Weak Acid Diss (mg/L)	<0.0050	<0.0050	<0.0050	<0.0050	<0.050 <sup>DLM</sup>			
	Cyanide, Total (mg/L)	<0.0050	<0.0050	<0.0050	<0.0050	<0.050 <sup>DLM</sup>			
	Cyanate (mg/L)	<2.0 <sup>DLIS</sup>	<0.20	<0.20	<0.20	0.21			
	Thiocyanate (SCN) (mg/L)	<0.50	<0.50	<0.50	<0.50	<0.50			
<b>Total Metals</b>	Aluminum (Al)-Total (mg/L)	0.0198	0.0233	3.84	0.142	1.65			
	Antimony (Sb)-Total (mg/L)	0.0103	0.0100	0.00230	0.0154	0.00848			
	Arsenic (As)-Total (mg/L)	0.0331	0.0323	0.0320	0.112	0.0384			
	Barium (Ba)-Total (mg/L)	0.0131	0.0126	0.130	0.0183	0.164			
	Beryllium (Be)-Total (mg/L)	<0.000020	<0.000020	0.000170	<0.000020	0.000093			
	Bismuth (Bi)-Total (mg/L)	<0.000050	<0.000050	0.000308	<0.000050	0.000387			
	Boron (B)-Total (mg/L)	<0.010	<0.010	<0.010	<0.010	<0.010			
	Cadmium (Cd)-Total (mg/L)	0.00206	0.00198	0.000609	0.00334	0.000451			
	Calcium (Ca)-Total (mg/L)	183	178	55.3	193	216			
	Chromium (Cr)-Total (mg/L)	<0.00010	<0.00010	0.00464	0.00023	0.00160			
	Cobalt (Co)-Total (mg/L)	0.00078	0.00076	0.00241	0.00125	0.00238			
	Copper (Cu)-Total (mg/L)	<0.00050	<0.00050	0.0123	<0.0030 <sup>DLB</sup>	0.00893			
	Iron (Fe)-Total (mg/L)	0.411	0.449	5.91	2.86	3.46			
	Lead (Pb)-Total (mg/L)	0.000167	0.000147	0.0262	0.00777	0.0231			

\* 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	L1794268-6	L1794268-7	L1794268-8	L1794268-9	L1794268-10
		Water 05-JUL-16 17:45 WQ-DC-DX	Water 05-JUL-16 08:15 WQ-PC-U	Water 05-JUL-16 15:00 WQ-DC-B	Water 05-JUL-16 10:20 WQ-VC-DBC-R	Water 05-JUL-16 13:40 WQ-DC-U
Grouping	Analyte					
<b>WATER</b>						
<b>Physical Tests</b>	Conductivity (uS/cm)	500	1320	1150	216	1100
	Hardness (as CaCO3) (mg/L)	268	777	690	108	659
	pH (pH)	7.52	7.76	8.00	7.91	8.07
	Total Suspended Solids (mg/L)	6.0	29.3	27.3	13.3	15.3
	Total Dissolved Solids (mg/L)	326	1030	846	119	831
<b>Anions and Nutrients</b>	Alkalinity, Bicarbonate (as CaCO3) (mg/L)	82.7	130	165	87.9	170
	Alkalinity, Carbonate (as CaCO3) (mg/L)	<1.0	<1.0	<1.0	<1.0	<1.0
	Alkalinity, Hydroxide (as CaCO3) (mg/L)	<1.0	<1.0	<1.0	<1.0	<1.0
	Alkalinity, Total (as CaCO3) (mg/L)	82.7	130	165	87.9	170
	Ammonia, Total (as N) (mg/L)	<0.0050	3.37	0.113	0.0125	0.956
	Chloride (Cl) (mg/L)	<0.50	2.4	<1.0	<0.50	<1.0
	Fluoride (F) (mg/L)	0.062	0.139	0.081	0.066	0.080
	Nitrate (as N) (mg/L)	<0.0050	0.221	0.070	0.0640	0.309
	Nitrite (as N) (mg/L)	<0.0010	0.0340	<0.0020	<0.0010	0.0170
	Sulfate (SO4) (mg/L)	173	642	506	24.5	481
	Anion Sum (meq/L)	5.25	16.1	13.8	2.28	13.4
	Cation Sum (meq/L)	5.69	16.6	14.2	2.31	14.0
	Cation - Anion Balance (%)	4.0	1.7	1.4	0.8	2.2
	<b>Cyanides</b>	Cyanide, Weak Acid Diss (mg/L)	<0.0050	<0.0050	<0.0050	<0.0050
Cyanide, Total (mg/L)		<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Cyanate (mg/L)		<0.20	<0.20	<0.20	<0.20	<0.20
Thiocyanate (SCN) (mg/L)		<0.50	<0.50	<0.50	<0.50	<0.50
<b>Total Metals</b>	Aluminum (Al)-Total (mg/L)	0.0698	0.484	0.458	0.513	0.226
	Antimony (Sb)-Total (mg/L)	0.00107	0.00684	0.00190	0.00037	0.00119
	Arsenic (As)-Total (mg/L)	0.00763	0.0177	0.0110	0.00383	0.0163
	Barium (Ba)-Total (mg/L)	0.0398	0.136	0.0551	0.0711	0.0519
	Beryllium (Be)-Total (mg/L)	<0.000020	0.000039	0.000025	<0.000020	0.000021
	Bismuth (Bi)-Total (mg/L)	<0.000050	0.000142	<0.000050	<0.000050	<0.000050
	Boron (B)-Total (mg/L)	<0.010	<0.010	0.015	<0.010	0.024
	Cadmium (Cd)-Total (mg/L)	0.0000217	0.000327	0.0000605	0.0000896	0.0000494
	Calcium (Ca)-Total (mg/L)	69.2	225	150	28.1	157
	Chromium (Cr)-Total (mg/L)	0.00015	0.00064	0.00093	0.00068	0.00055
	Cobalt (Co)-Total (mg/L)	0.00034	0.00281	0.00060	0.00031	0.00204
	Copper (Cu)-Total (mg/L)	<0.0015	<0.0040	<0.0025	<0.0025	<0.0025
	Iron (Fe)-Total (mg/L)	0.913	1.48	2.74	0.712	1.81
	Lead (Pb)-Total (mg/L)	0.000428	0.00813	0.000703	0.00295	0.000355

\* 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		L1794268-11 Water 05-JUL-16 16:00 WQ-TP	L1794268-12 Water 05-JUL-16 14:10 WQ-SEEP	L1794268-13 Water 04-JUL-16 14:45 WQ-VC-R	L1794268-14 Water 05-JUL-16 10:15 WQ-VC-DBC	L1794268-15 Water 04-JUL-16 15:50 WQ-VC-UMN
Grouping	Analyte					
<b>WATER</b>						
<b>Physical Tests</b>	Conductivity (uS/cm)	1180	1480	274	217	277
	Hardness (as CaCO3) (mg/L)	681	837	145	114	146
	pH (pH)	7.91	7.24	7.99	7.93	8.03
	Total Suspended Solids (mg/L)	6.7	25.3	9.3	8.7	4.7
	Total Dissolved Solids (mg/L)	925	1130	159	120	162
<b>Anions and Nutrients</b>	Alkalinity, Bicarbonate (as CaCO3) (mg/L)	60.1	244	86.5	87.0	90.6
	Alkalinity, Carbonate (as CaCO3) (mg/L)	<1.0	<1.0	<1.0	<1.0	<1.0
	Alkalinity, Hydroxide (as CaCO3) (mg/L)	<1.0	<1.0	<1.0	<1.0	<1.0
	Alkalinity, Total (as CaCO3) (mg/L)	60.1	244	86.5	87.0	90.6
	Ammonia, Total (as N) (mg/L)	0.0055	4.23	0.0106	0.0145	<0.0050
	Chloride (Cl) (mg/L)	<1.0 <sup>DLDS</sup>	1.4	<0.50	<0.50	<0.50
	Fluoride (F) (mg/L)	0.198	0.072	0.065	0.066	0.064
	Nitrate (as N) (mg/L)	0.199	0.453	0.0459	0.0617	0.0407
	Nitrite (as N) (mg/L)	<0.0020 <sup>DLDS</sup>	0.0160	<0.0010	<0.0010	<0.0010
	Sulfate (SO4) (mg/L)	613 <sup>MB-LOR</sup>	620 <sup>MB-LOR</sup>	52.4 <sup>MB-LOR</sup>	24.1 <sup>MB-LOR</sup>	52.7 <sup>MB-LOR</sup>
	Anion Sum (meq/L)	14.0	17.9	2.83	2.25	2.91
	Cation Sum (meq/L)	14.6	19.1	3.08	2.43	3.10
	Cation - Anion Balance (%)	2.1	3.4	4.3	3.9	3.1
	<b>Cyanides</b>	Cyanide, Weak Acid Diss (mg/L)	<0.0050	0.0151	<0.0050	<0.0050
Cyanide, Total (mg/L)		<0.0050	0.0367	<0.0050	<0.0050	<0.0050
Cyanate (mg/L)		<0.20	<0.20	<0.20	<0.20	<0.20
Thiocyanate (SCN) (mg/L)		0.87	4.69	<0.50	<0.50	<0.50
<b>Total Metals</b>	Aluminum (Al)-Total (mg/L)	0.0629	0.116	0.307	0.678	0.136
	Antimony (Sb)-Total (mg/L)	0.0403	0.00094	0.00047	0.00042	0.00041
	Arsenic (As)-Total (mg/L)	0.103	0.0522	0.00388	0.00439	0.00253
	Barium (Ba)-Total (mg/L)	0.00971	0.0762	0.0662	0.0764	0.0650
	Beryllium (Be)-Total (mg/L)	<0.000020	<0.000020	<0.000020	0.000024	<0.000020
	Bismuth (Bi)-Total (mg/L)	0.000211	<0.000050	<0.000050	<0.000050	<0.000050
	Boron (B)-Total (mg/L)	0.060	0.053	<0.010	<0.010	<0.010
	Cadmium (Cd)-Total (mg/L)	0.000705	0.000496	0.0000575	0.000110	0.0000379
	Calcium (Ca)-Total (mg/L)	192	235	36.4	30.9	38.0
	Chromium (Cr)-Total (mg/L)	0.00023	0.00069	0.00043	0.00073	0.00026
	Cobalt (Co)-Total (mg/L)	0.00040	0.00801	0.00027	0.00037	0.00018
	Copper (Cu)-Total (mg/L)	0.0285	<0.0050 <sup>DLB</sup>	<0.0020 <sup>DLB</sup>	<0.0025 <sup>DLB</sup>	<0.0015 <sup>DLB</sup>
	Iron (Fe)-Total (mg/L)	0.516	8.54	0.451	0.824	0.220
	Lead (Pb)-Total (mg/L)	0.0186	0.00212	0.00329	0.00335	0.00121

\* 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	L1794268-16 Water 06-JUL-16 09:10 WQ-DC-D1B	L1794268-17 Water 04-JUL-16 18:35 WQ-DC-R	L1794268-18 Water 06-JUL-16 08:40 WQ-CH-P-13-01	L1794268-19 Water 05-JUL-16 10:45 WQ-VC-U	L1794268-20 Water 06-JUL-16 11:15 FIELD BLANK
Grouping	Analyte					
<b>WATER</b>						
<b>Physical Tests</b>	Conductivity (uS/cm)	1500	567	1710	194	<2.0
	Hardness (as CaCO3) (mg/L)	969	307	1130	101	<0.50
	pH (pH)	8.03	7.72	6.91	7.93	5.38
	Total Suspended Solids (mg/L)	62.7	5.3	9.3	<3.0	<3.0
	Total Dissolved Solids (mg/L)	1150	371	1440	105	<1.0
<b>Anions and Nutrients</b>	Alkalinity, Bicarbonate (as CaCO3) (mg/L)	260	94.4	15.3	85.1	<1.0
	Alkalinity, Carbonate (as CaCO3) (mg/L)	<1.0	<1.0	<1.0	<1.0	<1.0
	Alkalinity, Hydroxide (as CaCO3) (mg/L)	<1.0	<1.0	<1.0	<1.0	<1.0
	Alkalinity, Total (as CaCO3) (mg/L)	260	94.4	15.3	85.1	<1.0
	Ammonia, Total (as N) (mg/L)	0.308	0.0462	0.0067	<0.0050	<0.0050
	Chloride (Cl) (mg/L)	<1.0 <sup>DLDS</sup>	<0.50	<2.5 <sup>DLDS</sup>	<0.50	<0.50
	Fluoride (F) (mg/L)	0.138	0.077	<0.10 <sup>DLDS</sup>	0.057	<0.020
	Nitrate (as N) (mg/L)	0.119	0.184	0.033	0.0445	<0.0050
	Nitrite (as N) (mg/L)	<0.0020 <sup>DLDS</sup>	0.0049	<0.0050	<0.0010	<0.0010
	Sulfate (SO4) (mg/L)	661 <sup>MB-LOR</sup>	199 <sup>MB-LOR</sup>	1040 <sup>MB-LOR</sup>	16.1 <sup>MB-LOR</sup>	<0.30
	Anion Sum (meq/L)	19.0	6.04	21.9	2.04	<0.10
	Cation Sum (meq/L)	19.9	6.53	23.1	2.15	<0.10
	Cation - Anion Balance (%)	2.4	3.9	2.6	2.5	0.0
	<b>Cyanides</b>	Cyanide, Weak Acid Diss (mg/L)	<0.0050	<0.0050	<0.0050	<0.0050
Cyanide, Total (mg/L)		<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Cyanate (mg/L)		<0.20	<0.20	<0.20	<0.20	<0.20
Thiocyanate (SCN) (mg/L)		0.61	<0.50	<0.50	<0.50	<0.50
<b>Total Metals</b>	Aluminum (Al)-Total (mg/L)	1.22	0.0680	0.183	0.0175	<0.0030
	Antimony (Sb)-Total (mg/L)	0.00713	0.00152	0.00016	<0.00010	<0.00010
	Arsenic (As)-Total (mg/L)	0.0349	0.0131	0.00089	0.00039	<0.00010
	Barium (Ba)-Total (mg/L)	0.0604	0.0304	0.0141	0.0642	<0.000050
	Beryllium (Be)-Total (mg/L)	0.000037	<0.000020	0.000035	<0.000020	<0.000020
	Bismuth (Bi)-Total (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Boron (B)-Total (mg/L)	0.040	0.013	<0.010	<0.010	<0.010
	Cadmium (Cd)-Total (mg/L)	0.000488	0.0000370	0.0114	0.0000133	<0.000050
	Calcium (Ca)-Total (mg/L)	207	79.2	275	24.9	<0.050
	Chromium (Cr)-Total (mg/L)	0.00215	0.00032	0.00017	<0.00010	<0.00010
	Cobalt (Co)-Total (mg/L)	0.00092	0.00068	<0.00010	<0.00010	<0.00010
	Copper (Cu)-Total (mg/L)	<0.0040 <sup>DLB</sup>	<0.0025 <sup>DLB</sup>	<0.0015 <sup>DLB</sup>	<0.0015 <sup>DLB</sup>	<0.00050
	Iron (Fe)-Total (mg/L)	3.17	1.37	0.074	0.036	<0.010
	Lead (Pb)-Total (mg/L)	0.00314	0.000597	0.000081	<0.000050	<0.000050

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

# ALS ENVIRONMENTAL ANALYTICAL REPORT

	<b>Sample ID</b> <b>Description</b> <b>Sampled Date</b> <b>Sampled Time</b> <b>Client ID</b>	L1794268-21 Water 06-JUL-16  TRAVEL BLANK			
Grouping	Analyte				
<b>WATER</b>					
<b>Physical Tests</b>	Conductivity (uS/cm)	<2.0			
	Hardness (as CaCO3) (mg/L)	<0.50			
	pH (pH)	5.41			
	Total Suspended Solids (mg/L)	<3.0			
	Total Dissolved Solids (mg/L)	<1.0			
<b>Anions and Nutrients</b>	Alkalinity, Bicarbonate (as CaCO3) (mg/L)	<1.0			
	Alkalinity, Carbonate (as CaCO3) (mg/L)	<1.0			
	Alkalinity, Hydroxide (as CaCO3) (mg/L)	<1.0			
	Alkalinity, Total (as CaCO3) (mg/L)	<1.0			
	Ammonia, Total (as N) (mg/L)	0.0168 <sup>RRV</sup>			
	Chloride (Cl) (mg/L)	<0.50			
	Fluoride (F) (mg/L)	<0.020			
	Nitrate (as N) (mg/L)	<0.0050			
	Nitrite (as N) (mg/L)	<0.0010			
	Sulfate (SO4) (mg/L)	<0.30			
	Anion Sum (meq/L)	<0.10			
	Cation Sum (meq/L)	<0.10			
	Cation - Anion Balance (%)	0.0			
	<b>Cyanides</b>	Cyanide, Weak Acid Diss (mg/L)	<0.0050		
Cyanide, Total (mg/L)		<0.0050			
Cyanate (mg/L)		<0.20			
Thiocyanate (SCN) (mg/L)		<0.50			
<b>Total Metals</b>	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)	<0.000020			
	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			
	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			

\* 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		L1794268-1 Water 05-JUL-16 17:05 WQ-DC-DX+105	L1794268-2 Water 05-JUL-16 17:05 WQ-DC-DX+105-R	L1794268-3 Water 05-JUL-16 11:55 WQ-BC	L1794268-4 Water 05-JUL-16 17:30 WQ-MS-S-03	L1794268-5 Water 05-JUL-16 08:30 WQ-PC-D
Grouping	Analyte					
<b>WATER</b>						
<b>Total Metals</b>	Lithium (Li)-Total (mg/L)	0.0094	0.0092	0.0042	0.0102	0.0068
	Magnesium (Mg)-Total (mg/L)	60.4	60.5	15.6	65.0	43.1
	Manganese (Mn)-Total (mg/L)	1.31	1.26	1.37	1.41	5.12
	Mercury (Hg)-Total (mg/L)	<0.0000050	<0.0000050	0.0000137	<0.0000050	0.0000108
	Molybdenum (Mo)-Total (mg/L)	0.000339	0.000332	0.00462	0.000325	0.00168
	Nickel (Ni)-Total (mg/L)	0.00163	0.00164	0.00362	0.00207	0.00233
	Phosphorus (P)-Total (mg/L)	<0.050	<0.050	0.144	<0.050	0.137
	Potassium (K)-Total (mg/L)	3.71	3.70	2.77	3.92	6.66
	Selenium (Se)-Total (mg/L)	<0.000050	<0.000050	0.000199	<0.000050	0.000240
	Silicon (Si)-Total (mg/L)	6.65	6.52	15.0	6.87	9.08
	Silver (Ag)-Total (mg/L)	<0.000010	<0.000010	0.000396	0.000081	0.000374
	Sodium (Na)-Total (mg/L)	5.38	5.05	5.10	5.07	10.3
	Strontium (Sr)-Total (mg/L)	0.426	0.414	0.374	0.442	1.05
	Sulfur (S)-Total (mg/L)	148	147	31.3	163	214
	Thallium (Tl)-Total (mg/L)	0.000093	0.000090	0.000077	0.000101	0.000062
	Tin (Sn)-Total (mg/L)	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
	Titanium (Ti)-Total (mg/L)	0.00139	0.00201	0.117	0.00802	0.0368
	Uranium (U)-Total (mg/L)	0.00439	0.00429	0.00954	0.00418	0.00608
	Vanadium (V)-Total (mg/L)	<0.00050	<0.00050	0.0127	0.00078	0.00524
	Zinc (Zn)-Total (mg/L)	0.691	0.667	0.0452	1.00	0.0496
	Zirconium (Zr)-Total (mg/L)	<0.00030	<0.00030	0.00077	<0.00030	0.00037
<b>Dissolved Metals</b>	Dissolved Mercury Filtration Location	FIELD	FIELD	FIELD	FIELD	FIELD
	Dissolved Metals Filtration Location	FIELD	FIELD	FIELD	FIELD	FIELD
	Aluminum (Al)-Dissolved (mg/L)	<0.0010	<0.0010	0.0203	0.0023	0.0096
	Antimony (Sb)-Dissolved (mg/L)	0.0101	0.00984	0.00123	0.0140	0.00642
	Arsenic (As)-Dissolved (mg/L)	0.0101	0.00980	0.00437	0.0716	0.00970
	Barium (Ba)-Dissolved (mg/L)	0.0124	0.0122	0.0702	0.0154	0.133
	Beryllium (Be)-Dissolved (mg/L)	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020
	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)	0.000775	0.000750	0.0000659	0.000886	0.000128
	Calcium (Ca)-Dissolved (mg/L)	181	182	55.4	195	223
	Chromium (Cr)-Dissolved (mg/L)	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
	Cobalt (Co)-Dissolved (mg/L)	0.00073	0.00073	0.00035	0.00109	0.00149
	Copper (Cu)-Dissolved (mg/L)	<0.00020	<0.00020	0.00177	0.00025	0.00210
	Iron (Fe)-Dissolved (mg/L)	0.168	0.171	0.016	1.95	0.081
	Lead (Pb)-Dissolved (mg/L)	<0.000050	<0.000050	0.000117	0.000182	0.000604

\* 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	L1794268-6 Water 05-JUL-16 17:45 WQ-DC-DX	L1794268-7 Water 05-JUL-16 08:15 WQ-PC-U	L1794268-8 Water 05-JUL-16 15:00 WQ-DC-B	L1794268-9 Water 05-JUL-16 10:20 WQ-VC-DBC-R	L1794268-10 Water 05-JUL-16 13:40 WQ-DC-U
Grouping	Analyte					
<b>WATER</b>						
<b>Total Metals</b>	Lithium (Li)-Total (mg/L)	<0.0010	0.0059	0.0036	0.0011	0.0024
	Magnesium (Mg)-Total (mg/L)	19.1	44.1	69.0	9.12	57.0
	Manganese (Mn)-Total (mg/L)	0.243	6.14	0.562	0.181	1.71
	Mercury (Hg)-Total (mg/L)	<0.0000050	0.0000075	<0.0000050	<0.0000050	<0.0000050
	Molybdenum (Mo)-Total (mg/L)	0.000059	0.00139	0.000323	0.000851	0.000430
	Nickel (Ni)-Total (mg/L)	<0.00050	0.00175	0.00140	0.00075	0.00153
	Phosphorus (P)-Total (mg/L)	<0.050	0.115	<0.050	<0.050	<0.050
	Potassium (K)-Total (mg/L)	4.81	6.16	2.78	0.88	3.22
	Selenium (Se)-Total (mg/L)	0.000052	0.000274	0.000111	<0.000050	0.000101
	Silicon (Si)-Total (mg/L)	4.40	5.88	6.07	6.38	5.70
	Silver (Ag)-Total (mg/L)	<0.000010	0.000179	0.000018	0.000065	0.000018
	Sodium (Na)-Total (mg/L)	3.55	10.3	6.86	2.69	13.8
	Strontium (Sr)-Total (mg/L)	0.217	1.08	0.498	0.280	0.513
	Sulfur (S)-Total (mg/L)	61.7	224	172	8.28	166
	Thallium (Tl)-Total (mg/L)	<0.000010	0.000038	<0.000010	0.000012	<0.000010
	Tin (Sn)-Total (mg/L)	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
	Titanium (Ti)-Total (mg/L)	0.00301	0.0137	0.0187	0.0169	0.00845
	Uranium (U)-Total (mg/L)	0.000144	0.00576	0.00229	0.00143	0.00173
	Vanadium (V)-Total (mg/L)	<0.00050	0.00188	0.00254	0.00188	0.00155
	Zinc (Zn)-Total (mg/L)	<0.0030	0.0242	0.0094	0.0061	0.0056
	Zirconium (Zr)-Total (mg/L)	<0.00030	0.00030	<0.00030	<0.00030	<0.00030
<b>Dissolved Metals</b>	Dissolved Mercury Filtration Location	FIELD	FIELD	FIELD	FIELD	FIELD
	Dissolved Metals Filtration Location	FIELD	FIELD	FIELD	FIELD	FIELD
	Aluminum (Al)-Dissolved (mg/L)	0.0053	0.0086	0.0501	0.0129	0.0567
	Antimony (Sb)-Dissolved (mg/L)	0.00091	0.00623	0.00179	0.00020	0.00111
	Arsenic (As)-Dissolved (mg/L)	0.00524	0.00728	0.00444	0.00071	0.0118
	Barium (Ba)-Dissolved (mg/L)	0.0382	0.127	0.0498	0.0671	0.0509
	Beryllium (Be)-Dissolved (mg/L)	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020
	Bismuth (Bi)-Dissolved (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Boron (B)-Dissolved (mg/L)	<0.010	<0.010	0.015	<0.010	0.024
	Cadmium (Cd)-Dissolved (mg/L)	0.0000092	0.000161	0.0000197	0.0000255	0.0000227
	Calcium (Ca)-Dissolved (mg/L)	74.7	236	156	28.4	166
	Chromium (Cr)-Dissolved (mg/L)	<0.00010	<0.00010	0.00013	<0.00010	0.00017
	Cobalt (Co)-Dissolved (mg/L)	0.00022	0.00252	0.00045	<0.00010	0.00192
	Copper (Cu)-Dissolved (mg/L)	0.00095	0.00126	0.00096	0.00109	0.00136
	Iron (Fe)-Dissolved (mg/L)	0.514	0.115	0.315	0.019	0.535
	Lead (Pb)-Dissolved (mg/L)	<0.000050	0.000270	<0.000050	0.000052	<0.000050

\* 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	L1794268-11 Water 05-JUL-16 16:00 WQ-TP	L1794268-12 Water 05-JUL-16 14:10 WQ-SEEP	L1794268-13 Water 04-JUL-16 14:45 WQ-VC-R	L1794268-14 Water 05-JUL-16 10:15 WQ-VC-DBC	L1794268-15 Water 04-JUL-16 15:50 WQ-VC-UMN
Grouping	Analyte					
<b>WATER</b>						
<b>Total Metals</b>	Lithium (Li)-Total (mg/L)	0.0074	0.0010	<0.0010	<0.0010	<0.0010
	Magnesium (Mg)-Total (mg/L)	38.6	53.3	12.1	10.0	12.6
	Manganese (Mn)-Total (mg/L)	0.0934	5.58	0.0941	0.200	0.0751
	Mercury (Hg)-Total (mg/L)	0.0000115	<0.0000050	<0.0000050	<0.0000050	<0.0000050
	Molybdenum (Mo)-Total (mg/L)	0.00108	0.000865	0.000598	0.000976	0.000508
	Nickel (Ni)-Total (mg/L)	0.00054	0.00305	0.00064	0.00075	<0.00050
	Phosphorus (P)-Total (mg/L)	<0.050	<0.050	<0.050	<0.050	<0.050
	Potassium (K)-Total (mg/L)	12.5	6.36	0.98	1.05	0.94
	Selenium (Se)-Total (mg/L)	0.000055	0.000191	<0.000050	0.000058	<0.000050
	Silicon (Si)-Total (mg/L)	2.04	6.97	6.05	7.18	5.89
	Silver (Ag)-Total (mg/L)	0.000432	0.000059	0.000027	0.000052	0.000011
	Sodium (Na)-Total (mg/L)	13.5	34.0	3.37	2.87	3.51
	Strontium (Sr)-Total (mg/L)	0.475	0.704	0.279	0.298	0.288
	Sulfur (S)-Total (mg/L)	211	224	18.4	8.97	18.8
	Thallium (Tl)-Total (mg/L)	0.000207	0.000022	0.000010	0.000016	<0.000010
	Tin (Sn)-Total (mg/L)	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
	Titanium (Ti)-Total (mg/L)	0.00075	0.00426	0.00823	0.0208	0.00478
	Uranium (U)-Total (mg/L)	0.000837	0.00166	0.00106	0.00159	0.000845
	Vanadium (V)-Total (mg/L)	<0.00050	0.00223	0.00125	0.00212	0.00091
	Zinc (Zn)-Total (mg/L)	0.0674	0.0213	0.0041	0.0073	<0.0030
	Zirconium (Zr)-Total (mg/L)	<0.00030	0.00053	<0.00030	<0.00030	<0.00030
<b>Dissolved Metals</b>	Dissolved Mercury Filtration Location	FIELD	FIELD	FIELD	FIELD	FIELD
	Dissolved Metals Filtration Location	FIELD	FIELD	FIELD	FIELD	FIELD
	Aluminum (Al)-Dissolved (mg/L)	0.0168	0.0085	0.0148	0.0103	0.0125
	Antimony (Sb)-Dissolved (mg/L)	0.0397	0.00049	0.00041	0.00024	0.00039
	Arsenic (As)-Dissolved (mg/L)	0.0593	0.0291	0.00170	0.00085	0.00161
	Barium (Ba)-Dissolved (mg/L)	0.00927	0.0740	0.0635	0.0669	0.0634
	Beryllium (Be)-Dissolved (mg/L)	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020
	Bismuth (Bi)-Dissolved (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Boron (B)-Dissolved (mg/L)	0.059	0.051	<0.010	<0.010	<0.010
	Cadmium (Cd)-Dissolved (mg/L)	0.000743	0.000364	0.0000261	0.0000236	0.0000234
	Calcium (Ca)-Dissolved (mg/L)	205	244	37.8	29.9	37.9
	Chromium (Cr)-Dissolved (mg/L)	0.00012	0.00035	<0.00010	<0.00010	<0.00010
	Cobalt (Co)-Dissolved (mg/L)	0.00035	0.00755	0.00014	<0.00010	0.00012
	Copper (Cu)-Dissolved (mg/L)	0.0167	0.00303	0.00125	0.00109	0.00117
	Iron (Fe)-Dissolved (mg/L)	<0.010	4.66	0.061	0.022	0.029
	Lead (Pb)-Dissolved (mg/L)	0.000359	<0.000050	0.000171	0.000058	0.000083

\* 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	L1794268-16 Water 06-JUL-16 09:10 WQ-DC-D1B	L1794268-17 Water 04-JUL-16 18:35 WQ-DC-R	L1794268-18 Water 06-JUL-16 08:40 WQ-CH-P-13-01	L1794268-19 Water 05-JUL-16 10:45 WQ-VC-U	L1794268-20 Water 06-JUL-16 11:15 FIELD BLANK
Grouping	Analyte					
<b>WATER</b>						
<b>Total Metals</b>	Lithium (Li)-Total (mg/L)	0.0082	<0.0010	0.0019	<0.0010	<0.0010
	Magnesium (Mg)-Total (mg/L)	98.9	26.9	105	8.66	<0.10
	Manganese (Mn)-Total (mg/L)	1.27	0.229	0.240	0.0337	<0.00010
	Mercury (Hg)-Total (mg/L)	0.0000066	<0.0000050	<0.0000050	<0.0000050	<0.0000050
	Molybdenum (Mo)-Total (mg/L)	0.000283	0.000245	<0.000050	0.000413	<0.000050
	Nickel (Ni)-Total (mg/L)	0.00172	0.00112	0.00861	<0.00050	<0.00050
	Phosphorus (P)-Total (mg/L)	0.055	<0.050	<0.050	<0.050	<0.050
	Potassium (K)-Total (mg/L)	4.61	1.47	0.68	0.69	<0.10
	Selenium (Se)-Total (mg/L)	0.000118	0.000098	<0.000050	<0.000050	<0.000050
	Silicon (Si)-Total (mg/L)	7.65	5.23	6.52	5.62	<0.050
	Silver (Ag)-Total (mg/L)	0.000058	0.000014	<0.000010	<0.000010	<0.000010
	Sodium (Na)-Total (mg/L)	7.13	6.80	6.30	2.42	<0.050
	Strontium (Sr)-Total (mg/L)	0.547	0.255	0.616	0.271	<0.00020
	Sulfur (S)-Total (mg/L)	228	72.8	376	5.75	<0.50
	Thallium (Tl)-Total (mg/L)	0.000040	<0.000010	<0.000010	<0.000010	<0.000010
	Tin (Sn)-Total (mg/L)	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
	Titanium (Ti)-Total (mg/L)	0.0557	0.00166	0.00187	0.00041	<0.00030
	Uranium (U)-Total (mg/L)	0.00294	0.000620	0.000019	0.000524	<0.000010
	Vanadium (V)-Total (mg/L)	0.00525	0.00083	<0.00050	<0.00050	<0.00050
	Zinc (Zn)-Total (mg/L)	0.134	0.0071	4.46	<0.0030	<0.0030
	Zirconium (Zr)-Total (mg/L)	<0.00030	<0.00030	<0.00030	<0.00030	<0.00030
<b>Dissolved Metals</b>	Dissolved Mercury Filtration Location	FIELD	FIELD	FIELD	FIELD	FIELD
	Dissolved Metals Filtration Location	FIELD	FIELD	FIELD	FIELD	FIELD
	Aluminum (Al)-Dissolved (mg/L)	0.0057	0.0439	0.139	0.0082	<0.0010
	Antimony (Sb)-Dissolved (mg/L)	0.00675	0.00146	<0.00010	0.00010	<0.00010
	Arsenic (As)-Dissolved (mg/L)	0.0184	0.00841	0.00058	0.00036	<0.00010
	Barium (Ba)-Dissolved (mg/L)	0.0485	0.0290	0.0125	0.0665	<0.000050
	Beryllium (Be)-Dissolved (mg/L)	<0.000020	<0.000020	0.000028	<0.000020	<0.000020
	Bismuth (Bi)-Dissolved (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Boron (B)-Dissolved (mg/L)	0.037	0.012	<0.010	<0.010	<0.010
	Cadmium (Cd)-Dissolved (mg/L)	0.0000865	0.0000295	0.0114	0.0000097	<0.0000050
	Calcium (Ca)-Dissolved (mg/L)	216	79.2	278	25.9	<0.050
	Chromium (Cr)-Dissolved (mg/L)	<0.00010	0.00022	<0.00010	<0.00010	<0.00010
	Cobalt (Co)-Dissolved (mg/L)	0.00043	0.00065	<0.00010	<0.00010	<0.00010
	Copper (Cu)-Dissolved (mg/L)	0.00065	0.00202	0.00091	0.00101	<0.00020
	Iron (Fe)-Dissolved (mg/L)	0.488	0.771	0.030	0.020	<0.010
	Lead (Pb)-Dissolved (mg/L)	0.000054	0.000090	0.000070	<0.000050	<0.000050

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

# ALS ENVIRONMENTAL ANALYTICAL REPORT

	<b>Sample ID</b> <b>Description</b> <b>Sampled Date</b> <b>Sampled Time</b> <b>Client ID</b>	L1794268-21			
		Water			
		06-JUL-16			
		TRAVEL BLANK			
Grouping	Analyte				
<b>WATER</b>					
<b>Total Metals</b>	Lithium (Li)-Total (mg/L)	<0.0010			
	Magnesium (Mg)-Total (mg/L)	<0.10			
	Manganese (Mn)-Total (mg/L)	<0.00010			
	Mercury (Hg)-Total (mg/L)	<0.0000050			
	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)	<0.10			
	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			
	Thallium (Tl)-Total (mg/L)	<0.000010			
	Tin (Sn)-Total (mg/L)	<0.00010			
	Titanium (Ti)-Total (mg/L)	<0.00030			
	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			
<b>Dissolved Metals</b>	Dissolved Mercury Filtration Location				
	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)				
	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)				

\* 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	L1794268-1 Water 05-JUL-16 17:05 WQ-DC-DX+105	L1794268-2 Water 05-JUL-16 17:05 WQ-DC-DX+105-R	L1794268-3 Water 05-JUL-16 11:55 WQ-BC	L1794268-4 Water 05-JUL-16 17:30 WQ-MS-S-03	L1794268-5 Water 05-JUL-16 08:30 WQ-PC-D
Grouping	Analyte					
<b>WATER</b>						
<b>Dissolved Metals</b>	Lithium (Li)-Dissolved (mg/L)	0.0090	0.0085	0.0016	0.0095	0.0050
	Magnesium (Mg)-Dissolved (mg/L)	60.8	60.9	14.6	65.4	43.7
	Manganese (Mn)-Dissolved (mg/L)	1.23	1.24	1.18	1.34	5.01
	Mercury (Hg)-Dissolved (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Molybdenum (Mo)-Dissolved (mg/L)	0.000332	0.000325	0.00458	0.000291	0.00147
	Nickel (Ni)-Dissolved (mg/L)	0.00161	0.00148	0.00052	0.00185	0.00106
	Phosphorus (P)-Dissolved (mg/L)	<0.050	<0.050	<0.050	<0.050	<0.050
	Potassium (K)-Dissolved (mg/L)	3.58	3.55	1.64	3.79	6.18
	Selenium (Se)-Dissolved (mg/L)	<0.000050	<0.000050	0.000146	<0.000050	0.000148
	Silicon (Si)-Dissolved (mg/L)	6.39	6.53	6.25	6.55	4.62
	Silver (Ag)-Dissolved (mg/L)	<0.000010	<0.000010	0.000018	<0.000010	0.000011
	Sodium (Na)-Dissolved (mg/L)	5.07	5.08	4.84	5.13	10.4
	Strontium (Sr)-Dissolved (mg/L)	0.421	0.405	0.359	0.424	1.01
	Sulfur (S)-Dissolved (mg/L)	140	142	31.0	156	211
	Thallium (Tl)-Dissolved (mg/L)	0.000086	0.000087	<0.000010	0.000087	0.000021
	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
	Uranium (U)-Dissolved (mg/L)	0.00419	0.00416	0.00918	0.00416	0.00593
	Vanadium (V)-Dissolved (mg/L)	<0.00050	<0.00050	0.00171	<0.00050	0.00062
	Zinc (Zn)-Dissolved (mg/L)	0.658	0.662	0.0014	0.970	0.0059
	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	L1794268-6	L1794268-7	L1794268-8	L1794268-9	L1794268-10
		Description	Water	Water	Water	Water	Water
		Sampled Date	05-JUL-16	05-JUL-16	05-JUL-16	05-JUL-16	05-JUL-16
		Sampled Time	17:45	08:15	15:00	10:20	13:40
		Client ID	WQ-DC-DX	WQ-PC-U	WQ-DC-B	WQ-VC-DBC-R	WQ-DC-U
Grouping	Analyte						
<b>WATER</b>							
<b>Dissolved Metals</b>	Lithium (Li)-Dissolved (mg/L)		<0.0010	0.0051	0.0031	<0.0010	0.0021
	Magnesium (Mg)-Dissolved (mg/L)		19.9	45.7	73.0	9.10	59.5
	Manganese (Mn)-Dissolved (mg/L)		0.143	6.22	0.576	0.172	1.70
	Mercury (Hg)-Dissolved (mg/L)		<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050
	Molybdenum (Mo)-Dissolved (mg/L)		<0.000050	0.00132	0.000299	0.000833	0.000415
	Nickel (Ni)-Dissolved (mg/L)		<0.00050	0.00130	0.00092	<0.00050	0.00117
	Phosphorus (P)-Dissolved (mg/L)		<0.050	<0.050	<0.050	<0.050	<0.050
	Potassium (K)-Dissolved (mg/L)		4.73	6.40	2.70	0.75	3.57
	Selenium (Se)-Dissolved (mg/L)		<0.000050	0.000190	0.000094	<0.000050	0.000105
	Silicon (Si)-Dissolved (mg/L)		4.54	4.53	5.56	5.57	5.73
	Silver (Ag)-Dissolved (mg/L)		<0.000010	0.000024	<0.000010	<0.000010	<0.000010
	Sodium (Na)-Dissolved (mg/L)		3.88	10.6	7.59	2.78	14.4
	Strontium (Sr)-Dissolved (mg/L)		0.210	1.06	0.497	0.279	0.517
	Sulfur (S)-Dissolved (mg/L)		60.8	219	177	8.23	167
	Thallium (Tl)-Dissolved (mg/L)		<0.000010	0.000025	<0.000010	<0.000010	<0.000010
	Tin (Sn)-Dissolved (mg/L)		<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
	Titanium (Ti)-Dissolved (mg/L)		<0.00030	0.00037	0.00045	<0.00030	0.00041
	Uranium (U)-Dissolved (mg/L)		0.000131	0.00573	0.00229	0.00142	0.00174
	Vanadium (V)-Dissolved (mg/L)		<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
	Zinc (Zn)-Dissolved (mg/L)		0.0012	0.0100	0.0028	<0.0010	0.0023
	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	L1794268-11	L1794268-12	L1794268-13	L1794268-14	L1794268-15
		Description	Water	Water	Water	Water	Water
		Sampled Date	05-JUL-16	05-JUL-16	04-JUL-16	05-JUL-16	04-JUL-16
		Sampled Time	16:00	14:10	14:45	10:15	15:50
		Client ID	WQ-TP	WQ-SEEP	WQ-VC-R	WQ-VC-DBC	WQ-VC-UMN
Grouping	Analyte						
<b>WATER</b>							
<b>Dissolved Metals</b>	Lithium (Li)-Dissolved (mg/L)		0.0071	<0.0010	<0.0010	<0.0010	<0.0010
	Magnesium (Mg)-Dissolved (mg/L)		41.1	55.4	12.3	9.56	12.5
	Manganese (Mn)-Dissolved (mg/L)		0.0553	5.48	0.0802	0.176	0.0655
	Mercury (Hg)-Dissolved (mg/L)		<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050
	Molybdenum (Mo)-Dissolved (mg/L)		0.00110	0.000858	0.000617	0.000906	0.000505
	Nickel (Ni)-Dissolved (mg/L)		<0.00050	0.00263	<0.00050	<0.00050	<0.00050
	Phosphorus (P)-Dissolved (mg/L)		<0.050	<0.050	<0.050	<0.050	<0.050
	Potassium (K)-Dissolved (mg/L)		13.4	6.51	0.90	0.81	0.86
	Selenium (Se)-Dissolved (mg/L)		<0.000050	0.000216	0.000059	<0.000050	<0.000050
	Silicon (Si)-Dissolved (mg/L)		2.07	6.83	5.77	5.83	5.68
	Silver (Ag)-Dissolved (mg/L)		0.000039	<0.000010	<0.000010	<0.000010	<0.000010
	Sodium (Na)-Dissolved (mg/L)		14.6	34.3	3.41	2.76	3.49
	Strontium (Sr)-Dissolved (mg/L)		0.483	0.691	0.285	0.291	0.294
	Sulfur (S)-Dissolved (mg/L)		215	219	18.5	8.73	18.5
	Thallium (Tl)-Dissolved (mg/L)		0.000210	0.000010	<0.000010	<0.000010	<0.000010
	Tin (Sn)-Dissolved (mg/L)		<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
	Titanium (Ti)-Dissolved (mg/L)		<0.00030	0.00047	<0.00030	<0.00030	<0.00030
	Uranium (U)-Dissolved (mg/L)		0.000832	0.00164	0.00102	0.00150	0.000835
	Vanadium (V)-Dissolved (mg/L)		<0.00050	0.00111	<0.00050	<0.00050	<0.00050
	Zinc (Zn)-Dissolved (mg/L)		0.0309	0.0176	0.0025	<0.0010	0.0011
	Zirconium (Zr)-Dissolved (mg/L)		<0.00030	0.00045	<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	L1794268-16	L1794268-17	L1794268-18	L1794268-19	L1794268-20
		Description	Water	Water	Water	Water	Water
		Sampled Date	06-JUL-16	04-JUL-16	06-JUL-16	05-JUL-16	06-JUL-16
		Sampled Time	09:10	18:35	08:40	10:45	11:15
		Client ID	WQ-DC-D1B	WQ-DC-R	WQ-CH-P-13-01	WQ-VC-U	FIELD BLANK
Grouping	Analyte						
<b>WATER</b>							
<b>Dissolved Metals</b>	Lithium (Li)-Dissolved (mg/L)		0.0074	<0.0010	0.0018	<0.0010	<0.0010
	Magnesium (Mg)-Dissolved (mg/L)		104	26.7	107	8.87	<0.10
	Manganese (Mn)-Dissolved (mg/L)		1.29	0.213	0.216	0.0324	<0.00010
	Mercury (Hg)-Dissolved (mg/L)		<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050
	Molybdenum (Mo)-Dissolved (mg/L)		0.000224	0.000220	<0.000050	0.000416	<0.000050
	Nickel (Ni)-Dissolved (mg/L)		0.00072	0.00103	0.00815	<0.00050	<0.00050
	Phosphorus (P)-Dissolved (mg/L)		<0.050	<0.050	<0.050	<0.050	<0.050
	Potassium (K)-Dissolved (mg/L)		4.48	1.43	0.60	0.69	<0.10
	Selenium (Se)-Dissolved (mg/L)		0.000053	0.000079	<0.000050	<0.000050	<0.000050
	Silicon (Si)-Dissolved (mg/L)		5.96	5.19	6.50	5.81	<0.050
	Silver (Ag)-Dissolved (mg/L)		<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
	Sodium (Na)-Dissolved (mg/L)		7.37	6.62	5.98	2.47	<0.050
	Strontium (Sr)-Dissolved (mg/L)		0.535	0.247	0.627	0.283	<0.00020
	Sulfur (S)-Dissolved (mg/L)		230	70.8	370	5.84	<0.50
	Thallium (Tl)-Dissolved (mg/L)		0.000011	<0.000010	<0.000010	<0.000010	<0.000010
	Tin (Sn)-Dissolved (mg/L)		<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
	Titanium (Ti)-Dissolved (mg/L)		<0.00030	0.00075	<0.00030	<0.00030	<0.00030
	Uranium (U)-Dissolved (mg/L)		0.00270	0.000589	0.000015	0.000518	<0.000010
	Vanadium (V)-Dissolved (mg/L)		<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
	Zinc (Zn)-Dissolved (mg/L)		0.0950	0.0042	4.38	<0.0010	<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

	<b>Sample ID</b> <b>Description</b> <b>Sampled Date</b> <b>Sampled Time</b> <b>Client ID</b>				
	L1794268-21 Water 06-JUL-16 TRAVEL BLANK				
Grouping	Analyte				
<b>WATER</b>					
<b>Dissolved Metals</b>	Lithium (Li)-Dissolved (mg/L) Magnesium (Mg)-Dissolved (mg/L) Manganese (Mn)-Dissolved (mg/L) Mercury (Hg)-Dissolved (mg/L) Molybdenum (Mo)-Dissolved (mg/L) Nickel (Ni)-Dissolved (mg/L) Phosphorus (P)-Dissolved (mg/L) Potassium (K)-Dissolved (mg/L) Selenium (Se)-Dissolved (mg/L) Silicon (Si)-Dissolved (mg/L) Silver (Ag)-Dissolved (mg/L) Sodium (Na)-Dissolved (mg/L) Strontium (Sr)-Dissolved (mg/L) Sulfur (S)-Dissolved (mg/L) Thallium (Tl)-Dissolved (mg/L) Tin (Sn)-Dissolved (mg/L) Titanium (Ti)-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)
Duplicate	Cyanide, Weak Acid Diss	DLM	L1794268-1, -10, -11, -12, -13, -14, -15, -16, -17, -18, -19, -2, -20, -21, -3, -4, -6, -7, -8, -9
Duplicate	Cyanide, Weak Acid Diss	DLM	L1794268-5
Duplicate	Sulfate (SO4)	MB-LOR	L1794268-1, -10, -11, -12, -13, -14, -15, -16, -17, -18, -19, -2, -21, -3, -4, -5, -6, -7, -8, -9
Method Blank	Beryllium (Be)-Total	MB-LOR	L1794268-10, -11, -12, -13, -14, -15, -16, -17, -18, -19, -20, -21, -8, -9
Method Blank	Copper (Cu)-Total	MB-LOR	L1794268-10, -11, -12, -13, -14, -15, -16, -17, -18, -19, -20, -21, -8, -9
Matrix Spike	Sulfate (SO4)	MS-B	L1794268-1, -10, -11, -12, -13, -14, -15, -16, -17, -18, -19, -2, -21, -3, -4, -5, -6, -7, -8, -9
Matrix Spike	Sulfate (SO4)	MS-B	L1794268-20
Matrix Spike	Barium (Ba)-Total	MS-B	L1794268-1, -2, -3, -4, -5, -6, -7
Matrix Spike	Strontium (Sr)-Total	MS-B	L1794268-1, -2, -3, -4, -5, -6, -7
Matrix Spike	Strontium (Sr)-Dissolved	MS-B	L1794268-1, -10, -11, -12, -13, -14, -15, -16, -17, -18, -19, -2, -20, -3, -4, -5, -6, -7, -8, -9
Matrix Spike	Barium (Ba)-Dissolved	MS-B	L1794268-1, -10, -11, -12, -13, -14, -15, -16, -17, -18, -19, -2, -20, -3, -4, -5, -6, -7, -8, -9
Matrix Spike	Molybdenum (Mo)-Dissolved	MS-B	L1794268-1, -10, -11, -12, -13, -14, -15, -16, -17, -18, -19, -2, -20, -3, -4, -5, -6, -7, -8, -9
Matrix Spike	Sodium (Na)-Dissolved	MS-B	L1794268-1, -10, -11, -12, -13, -14, -15, -16, -17, -18, -19, -2, -20, -3, -4, -5, -6, -7, -8, -9
Matrix Spike	Strontium (Sr)-Dissolved	MS-B	L1794268-1, -10, -11, -12, -13, -14, -15, -16, -17, -18, -19, -2, -20, -3, -4, -5, -6, -7, -8, -9
Matrix Spike	Arsenic (As)-Dissolved	MS-B	L1794268-1, -10, -11, -12, -13, -14, -15, -16, -17, -18, -19, -2, -20, -3, -4, -5, -6, -7, -8, -9
Matrix Spike	Manganese (Mn)-Dissolved	MS-B	L1794268-1, -10, -11, -12, -13, -14, -15, -16, -17, -18, -19, -2, -20, -3, -4, -5, -6, -7, -8, -9
Matrix Spike	Sodium (Na)-Dissolved	MS-B	L1794268-1, -10, -11, -12, -13, -14, -15, -16, -17, -18, -19, -2, -20, -3, -4, -5, -6, -7, -8, -9
Matrix Spike	Strontium (Sr)-Dissolved	MS-B	L1794268-1, -10, -11, -12, -13, -14, -15, -16, -17, -18, -19, -2, -20, -3, -4, -5, -6, -7, -8, -9

**Qualifiers for Individual Parameters Listed:**

Qualifier	Description
DLB	Detection Limit Raised. Analyte detected at comparable level in Method Blank.
DLDS	Detection Limit Raised: Dilution required due to high Dissolved Solids / Electrical Conductivity.
DLIS	Detection Limit Adjusted: Insufficient Sample
DLM	Detection Limit Adjusted due to sample matrix effects (e.g. chemical interference, colour, turbidity).
MB-LOR	Method Blank exceeds ALS DQO. Limits of Reporting have been adjusted for samples with positive hits below 5x blank level.
MS-B	Matrix Spike recovery could not be accurately calculated due to high analyte background in sample.
RRV	Reported Result Verified By Repeat Analysis

**Test Method References:**

ALS Test Code	Matrix	Test Description	Method Reference**
<b>ALK-TITR-VA</b>	Water	Alkalinity Species by Titration	APHA 2320 Alkalinity
This analysis is carried out using procedures adapted from APHA Method 2320 "Alkalinity". Total alkalinity is determined by potentiometric titration to a pH 4.5 endpoint. Bicarbonate, carbonate and hydroxide alkalinity are calculated from phenolphthalein alkalinity and total alkalinity values.			
<b>BE-D-L-CCMS-VA</b>	Water	Diss. Be (low) in Water by CRC ICPMS	APHA 3030B/6020A (mod)
Water samples are filtered (0.45 um), preserved with nitric acid, and analyzed by CRC ICPMS.			
Method Limitation (re: Sulfur): Sulfide and volatile sulfur species may not be recovered by this method.			
<b>BE-T-L-CCMS-VA</b>	Water	Total Be (Low) in Water by CRC ICPMS	EPA 200.2/6020A (mod)
Water samples are digested with nitric and hydrochloric acids, and analyzed by CRC ICPMS.			
Method Limitation (re: Sulfur): Sulfide and volatile sulfur species may not be recovered by this method.			
<b>CL-IC-N-WR</b>	Water	Chloride in Water by IC	EPA 300.1 (mod)

## Reference Information

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

<b>CN-CNO-WT</b>	Water	Cyanate	APHA 4500-CN-L
This analysis is carried out using procedures adapted from APHA method 4500-CN "Cyanide". Cyanate is determined by the Cyanate hydrolysis method using an ammonia selective electrode			
<b>CN-SCN-VA</b>	Water	Thiocyanate by Colour	APHA 4500-CN CYANIDE
This analysis is carried out using procedures adapted from APHA Method 4500-CN- M "Thiocyanate" Thiocyanate is determined by the ferric nitrate colourimetric method.			
<b>CN-T-CFA-VA</b>	Water	Total Cyanide in water by CFA	ISO 14403:2002
This analysis is carried out using procedures adapted from ISO Method 14403:2002 "Determination of Total Cyanide using Flow Analysis (FIA and CFA)". Total or strong acid dissociable (SAD) cyanide is determined by in-line UV digestion along with sample distillation and final determination by colourimetric analysis. Method Limitation: This method is susceptible to interference from thiocyanate (SCN). If SCN is present in the sample, there could be a positive interference with this method, but it would be less than 1% and could be as low as zero.			
<b>CN-WAD-CFA-VA</b>	Water	Weak Acid Diss. Cyanide in water by CFA	APHA 4500-CN CYANIDE
This analysis is carried out using procedures adapted from APHA Method 4500-CN I. "Weak Acid Dissociable Cyanide". Weak Acid Dissociable (WAD) cyanide is determined by in-line sample distillation with final determination by colourimetric analysis.			
<b>EC-PCT-VA</b>	Water	Conductivity (Automated)	APHA 2510 Auto. Conduc.
This analysis is carried out using procedures adapted from APHA Method 2510 "Conductivity". Conductivity is determined using a conductivity electrode.			
<b>F-IC-N-WR</b>	Water	Fluoride in Water by IC	EPA 300.1 (mod)
Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.			
<b>HARDNESS-CALC-VA</b>	Water	Hardness	APHA 2340B
Hardness (also known as Total Hardness) is calculated from the sum of Calcium and Magnesium concentrations, expressed in CaCO <sub>3</sub> equivalents. Dissolved Calcium and Magnesium concentrations are preferentially used for the hardness calculation.			
<b>HG-D-CVAA-VA</b>	Water	Diss. Mercury in Water by CVAAS or CVAFS	APHA 3030B/EPA 1631E (mod)
Water samples are filtered (0.45 um), preserved with hydrochloric acid, then undergo a cold-oxidation using bromine monochloride prior to reduction with stannous chloride, and analyzed by CVAAS or CVAFS.			
<b>HG-T-CVAA-VA</b>	Water	Total Mercury in Water by CVAAS or CVAFS	EPA 1631E (mod)
Water samples undergo a cold-oxidation using bromine monochloride prior to reduction with stannous chloride, and analyzed by CVAAS or CVAFS.			
<b>IONBALANCE-VA</b>	Water	Ion Balance Calculation	APHA 1030E
Cation Sum, Anion Sum, and Ion Balance (as % difference) are calculated based on guidance from APHA Standard Methods (1030E Checking Correctness of Analysis). Because all aqueous solutions are electrically neutral, the calculated ion balance (% difference of cations minus anions) should be near-zero.			
Cation and Anion Sums are the total meq/L concentration of major cations and anions. Dissolved species are used where available. Minor ions are included where data is present. Ion Balance is calculated as:			
Ion Balance (%) = [Cation Sum-Anion Sum] / [Cation Sum+Anion Sum]			
<b>MET-D-CCMS-VA</b>	Water	Dissolved Metals in Water by CRC ICPMS	APHA 3030B/6020A (mod)
Water samples are filtered (0.45 um), preserved with nitric acid, and analyzed by CRC ICPMS.			
Method Limitation (re: Sulfur): Sulfide and volatile sulfur species may not be recovered by this method.			
<b>MET-DIS-LOW-ICP-VA</b>	Water	Dissolved Metals in Water by ICPOES	EPA 3005A/6010B
This analysis is carried out using procedures adapted from "Standard Methods for the Examination of Water and Wastewater" published by the American Public Health Association, and with procedures adapted from "Test Methods for Evaluating Solid Waste" SW-846 published by the United States Environmental Protection Agency (EPA). The procedure involves filtration (EPA Method 3005A) and analysis by inductively coupled plasma - optical emission spectrophotometry (EPA Method 6010B).			
<b>MET-T-CCMS-VA</b>	Water	Total Metals in Water by CRC ICPMS	EPA 200.2/6020A (mod)
Water samples are digested with nitric and hydrochloric acids, and analyzed by CRC ICPMS.			
Method Limitation (re: Sulfur): Sulfide and volatile sulfur species may not be recovered by this method.			
<b>MET-TOT-LOW-ICP-VA</b>	Water	Total Metals in Water by ICPOES	EPA 3005A/6010B
This analysis is carried out using procedures adapted from "Standard Methods for the Examination of Water and Wastewater" published by the American Public Health Association, and with procedures adapted from "Test Methods for Evaluating Solid Waste" SW-846 published by the United States Environmental Protection Agency (EPA). The procedures may involve preliminary sample treatment by acid digestion, using either hotblock or microwave oven (EPA Method 3005A). Instrumental analysis is by inductively coupled plasma - optical emission spectrophotometry (EPA Method			

## Reference Information

6010B).

<b>NH3-F-VA</b>	Water	Ammonia in Water by Fluorescence	APHA 4500 NH3-NITROGEN (AMMONIA)
This analysis is carried out, on sulfuric acid preserved samples, using procedures modified from J. Environ. Monit., 2005, 7, 37 - 42, The Royal Society of Chemistry, "Flow-injection analysis with fluorescence detection for the determination of trace levels of ammonium in seawater", Roslyn J. Waston et al.			
<b>NH3-F-VA</b>	Water	Ammonia in Water by Fluorescence	J. ENVIRON. MONIT., 2005, 7, 37-42, RSC
This analysis is carried out, on sulfuric acid preserved samples, using procedures modified from J. Environ. Monit., 2005, 7, 37 - 42, The Royal Society of Chemistry, "Flow-injection analysis with fluorescence detection for the determination of trace levels of ammonium in seawater", Roslyn J. Waston et al.			
<b>NO2-L-IC-N-WR</b>	Water	Nitrite in Water by IC (Low Level)	EPA 300.1 (mod)
Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.			
<b>NO3-L-IC-N-WR</b>	Water	Nitrate in Water by IC (Low Level)	EPA 300.1 (mod)
Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.			
<b>PH-PCT-VA</b>	Water	pH by Meter (Automated)	APHA 4500-H "pH Value"
This analysis is carried out using procedures adapted from APHA Method 4500-H "pH Value". The pH is determined in the laboratory using a pH electrode			
It is recommended that this analysis be conducted in the field.			
<b>PH-PCT-VA</b>	Water	pH by Meter (Automated)	APHA 4500-H pH Value
This analysis is carried out using procedures adapted from APHA Method 4500-H "pH Value". The pH is determined in the laboratory using a pH electrode			
It is recommended that this analysis be conducted in the field.			
<b>S-DIS-ICP-VA</b>	Water	Dissolved Sulfur in Water by ICPOES	EPA SW-846 3005A/6010B
This analysis is carried out using procedures adapted from "Standard Methods for the Examination of Water and Wastewater" published by the American Public Health Association, and with procedures adapted from "Test Methods for Evaluating Solid Waste" SW-846 published by the United States Environmental Protection Agency (EPA). The procedures may involve preliminary sample treatment by acid digestion, using either hotblock or microwave oven, or filtration (EPA Method 3005A). Instrumental analysis is by inductively coupled plasma - optical emission spectrophotometry (EPA Method 6010B).			
Method Limitation: This method will not give total sulfur results for all samples. Sulfide or other volatile forms of sulfur that may be present in submitted samples, is often lost during the sampling, preservation and analysis process. The data reported as total and/or dissolved sulfur represents all non-volatile forms of sulfur present in a particular sample.			
<b>S-TOT-ICP-VA</b>	Water	Total Sulfur in Water by ICPOES	EPA SW-846 3005A/6010B
This analysis is carried out using procedures adapted from "Standard Methods for the Examination of Water and Wastewater" published by the American Public Health Association, and with procedures adapted from "Test Methods for Evaluating Solid Waste" SW-846 published by the United States Environmental Protection Agency (EPA). The procedures may involve preliminary sample treatment by acid digestion, using either hotblock or microwave oven, or filtration (EPA Method 3005A). Instrumental analysis is by inductively coupled plasma - optical emission spectrophotometry (EPA Method 6010B).			
Method Limitation: This method will not give total sulfur results for all samples. Sulfide or other volatile forms of sulfur that may be present in submitted samples, is often lost during the sampling, preservation and analysis process. The data reported as total and/or dissolved sulfur represents all non-volatile forms of sulfur present in a particular sample.			
<b>SO4-IC-N-WR</b>	Water	Sulfate in Water by IC	EPA 300.1 (mod)
Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.			
<b>TDS-CALC-VA</b>	Water	TDS (Calculated)	APHA 1030E (20TH EDITION)
This analysis is carried out using procedures adapted from APHA 1030E "Checking Correctness of Analyses".			
<b>TSS-MAN-WR</b>	Water	Total Suspended Solids by Gravimetric	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

## Reference Information

WT ALS ENVIRONMENTAL - WATERLOO, ONTARIO, CANADA  
VA ALS ENVIRONMENTAL - VANCOUVER, BRITISH COLUMBIA, CANADA

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### Chain of Custody Numbers:

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1 2 3 4

### 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.

