



ENVIRONMENTAL DYNAMICS INC.  
ATTN: Meghan Marjanovic  
2195 - 2nd Ave  
Whitehorse YT Y1A 3A2

Date Received: 17-JUN-15  
Report Date: 02-JUL-15 11:33 (MT)  
Version: FINAL

Client Phone: 867-393-4882

## Certificate of Analysis

Lab Work Order #: L1628676  
Project P.O. #: NOT SUBMITTED  
Job Reference: MOUNT NANSEN 15-Y-0146  
C of C Numbers: 1  
Legal Site Desc:

Can Dang  
Senior Account Manager

[This report shall not be reproduced except in full without the written authority of the Laboratory.]

ADDRESS: 8081 Lougheed Hwy, Suite 100, Burnaby, BC V5A 1W9 Canada | Phone: +1 604 253 4188 | Fax: +1 604 253 6700  
ALS CANADA LTD Part of the ALS Group A Campbell Brothers Limited Company

## ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample ID Description Sampled Date Sampled Time Client ID	L1628676-1 Water 17-JUN-15 09:25 WQ-PIT1	L1628676-2 Water 17-JUN-15 08:45 WQ-PIT2	L1628676-3 Water 17-JUN-15 09:10 WQ-PIT3	L1628676-4 Water 17-JUN-15 11:55 WQ-PW (DRINKING WATER)
Grouping	Analyte			
<b>WATER</b>				
<b>Physical Tests</b>	Colour, True (CU)			<5.0
	Conductivity (uS/cm)	1380	1780	2410
	Hardness (as CaCO3) (mg/L)	890	1200	1730
	pH (pH)	8.17	7.73	7.45
	Total Suspended Solids (mg/L)	<3.0	<3.0	4.7
	Total Dissolved Solids (mg/L)	1150	1550	2320
	Turbidity (NTU)			203
				0.26
<b>Anions and Nutrients</b>	Alkalinity, Bicarbonate (as CaCO3) (mg/L)	153	205	209
	Alkalinity, Carbonate (as CaCO3) (mg/L)	<1.0	<1.0	<1.0
	Alkalinity, Hydroxide (as CaCO3) (mg/L)	<1.0	<1.0	<1.0
	Alkalinity, Total (as CaCO3) (mg/L)	153	205	209
	Ammonia, Total (as N) (mg/L)	0.0057	<0.0050	0.0069
	Chloride (Cl) (mg/L)	<2.5 <sup>DLA</sup>	<2.5 <sup>DLA</sup>	<5.0 <sup>DLA</sup>
	Fluoride (F) (mg/L)	0.31 <sup>DLA</sup>	0.33 <sup>DLA</sup>	0.20 <sup>DLA</sup>
	Nitrate (as N) (mg/L)	<0.025 <sup>DLA</sup>	<0.025 <sup>DLA</sup>	<0.050 <sup>DLA</sup>
	Nitrite (as N) (mg/L)	<0.0050 <sup>DLA</sup>	<0.0050 <sup>DLA</sup>	<0.010 <sup>DLA</sup>
	Sulfate (SO4) (mg/L)	733	991	1550
	Anion Sum (meq/L)	18.3	24.7	36.4
	Cation Sum (meq/L)	18.3	24.6	35.5
	Cation - Anion Balance (%)	-0.1	-0.2	-1.3
<b>Total Metals</b>	Aluminum (Al)-Total (mg/L)	0.0198	0.0287	0.0308
	Antimony (Sb)-Total (mg/L)	0.00290	0.00235	0.00074
	Arsenic (As)-Total (mg/L)	0.00857	0.0105	0.0281
	Barium (Ba)-Total (mg/L)	0.0216	0.0199	0.0109
	Beryllium (Be)-Total (mg/L)	<0.000020	<0.000040 <sup>DLA</sup>	<0.000040 <sup>DLA</sup>
	Bismuth (Bi)-Total (mg/L)	<0.000050	<0.00010 <sup>DLA</sup>	<0.00010 <sup>DLA</sup>
	Boron (B)-Total (mg/L)	<0.010	<0.020	<0.020
	Cadmium (Cd)-Total (mg/L)	0.00189	0.00324	0.00653
	Calcium (Ca)-Total (mg/L)	247	333	519
	Chromium (Cr)-Total (mg/L)	0.00015	<0.00020 <sup>DLA</sup>	<0.00020 <sup>DLA</sup>
	Cobalt (Co)-Total (mg/L)	<0.00010	<0.00020 <sup>DLA</sup>	0.00361
	Copper (Cu)-Total (mg/L)	0.00201	0.0023	0.0020
	Iron (Fe)-Total (mg/L)	0.034	0.061	0.418
	Lead (Pb)-Total (mg/L)	0.000516	0.00055	0.00123
	Lithium (Li)-Total (mg/L)	0.0071	0.0070	0.0101
	Magnesium (Mg)-Total (mg/L)	64.2	89.7	113
	Manganese (Mn)-Total (mg/L)	0.0186	0.134	3.70
				<0.0020

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

## ALS ENVIRONMENTAL ANALYTICAL REPORT

		Sample ID	L1628676-1	L1628676-2	L1628676-3	L1628676-4
		Description	Water	Water	Water	Water
		Sampled Date	17-JUN-15	17-JUN-15	17-JUN-15	17-JUN-15
		Sampled Time	09:25	08:45	09:10	11:55
		Client ID	WQ-PIT1	WQ-PIT2	WQ-PIT3	WQ-PW (DRINKING WATER)
Grouping	Analyte					
<b>WATER</b>						
<b>Total Metals</b>	Mercury (Hg)-Total (mg/L)		<0.0000050	<0.0000050	<0.0000050	<0.00020
	Molybdenum (Mo)-Total (mg/L)		0.000149	0.00011	0.00011	
	Nickel (Ni)-Total (mg/L)		0.00070	<0.0010 <sup>DLA</sup>	0.0018	
	Phosphorus (P)-Total (mg/L)		<0.050	<0.050	<0.050	
	Potassium (K)-Total (mg/L)		2.90	3.80	5.27	0.91
	Selenium (Se)-Total (mg/L)		0.000053	<0.00010 <sup>DLA</sup>	<0.00010 <sup>DLA</sup>	<0.0010
	Silicon (Si)-Total (mg/L)		2.82	3.57	3.58	
	Silver (Ag)-Total (mg/L)		0.000015	<0.000020 <sup>DLA</sup>	0.000039	
	Sodium (Na)-Total (mg/L)		9.67	12.6	14.3	4.8
	Strontium (Sr)-Total (mg/L)		0.839	1.04	1.24	
	Sulfur (S)-Total (mg/L)		244	331	521	
	Thallium (Tl)-Total (mg/L)		0.000056	0.000065	0.000137	
	Tin (Sn)-Total (mg/L)		<0.00010 <sup>DLM</sup>	<0.00020 <sup>DLA</sup>	<0.00020 <sup>DLA</sup>	
	Titanium (Ti)-Total (mg/L)		<0.00090	<0.00060 <sup>DLA</sup>	<0.00060 <sup>DLA</sup>	
	Uranium (U)-Total (mg/L)		0.00328	0.00405	0.00380	0.00168
	Vanadium (V)-Total (mg/L)		<0.00050	<0.0010 <sup>DLA</sup>	<0.0010 <sup>DLA</sup>	
	Zinc (Zn)-Total (mg/L)		0.213	0.426	0.623	<0.050
	Zirconium (Zr)-Total (mg/L)		<0.00030	<0.00060 <sup>DLA</sup>	<0.00060 <sup>DLA</sup>	
<b>Dissolved Metals</b>	Dissolved Mercury Filtration Location		FIELD	FIELD	FIELD	
	Dissolved Metals Filtration Location		FIELD	FIELD	FIELD	
	Aluminum (Al)-Dissolved (mg/L)		0.0025	<0.0020 <sup>DLA</sup>	<0.0020 <sup>DLA</sup>	
	Antimony (Sb)-Dissolved (mg/L)		0.00286	0.00229	0.00066	
	Arsenic (As)-Dissolved (mg/L)		0.00809	0.00942	0.0130	
	Barium (Ba)-Dissolved (mg/L)		0.0212	0.0193	0.0107	
	Beryllium (Be)-Dissolved (mg/L)		<0.000020	<0.000040 <sup>DLA</sup>	<0.000040 <sup>DLA</sup>	
	Bismuth (Bi)-Dissolved (mg/L)		<0.000050	<0.00010 <sup>DLA</sup>	<0.00010 <sup>DLA</sup>	
	Boron (B)-Dissolved (mg/L)		<0.010	<0.020 <sup>DLA</sup>	<0.020 <sup>DLA</sup>	
	Cadmium (Cd)-Dissolved (mg/L)		0.00197	0.00315	0.00581	
	Calcium (Ca)-Dissolved (mg/L)		250	336	509	
	Chromium (Cr)-Dissolved (mg/L)		<0.00010	<0.00020 <sup>DLA</sup>	<0.00020 <sup>DLA</sup>	
	Cobalt (Co)-Dissolved (mg/L)		<0.00010	<0.00020 <sup>DLA</sup>	0.00365	
	Copper (Cu)-Dissolved (mg/L)		0.00162	0.00186	0.00095	
	Iron (Fe)-Dissolved (mg/L)		<0.010	0.013	0.043	
	Lead (Pb)-Dissolved (mg/L)		0.000079	<0.00010 <sup>DLA</sup>	<0.00010 <sup>DLA</sup>	
	Lithium (Li)-Dissolved (mg/L)		0.0065	0.0075	0.0102	
	Magnesium (Mg)-Dissolved (mg/L)		64.5	87.4	112	
	Manganese (Mn)-Dissolved (mg/L)		0.0167	0.156	4.01	

\* 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	L1628676-1	L1628676-2	L1628676-3	L1628676-4
					Water	Water	Water	Water
		17-JUN-15	09:25	WQ-PIT1	17-JUN-15	08:45	17-JUN-15	11:55
					WQ-PIT1	WQ-PIT2	WQ-PIT3	WQ-PW (DRINKING WATER)
Grouping	Analyte							
<b>WATER</b>								
<b>Dissolved Metals</b>	Mercury (Hg)-Dissolved (mg/L)	<0.0000050	<0.0000050	<0.0000050				
	Molybdenum (Mo)-Dissolved (mg/L)	0.000139	0.00011	<0.00010 <sup>DLA</sup>				
	Nickel (Ni)-Dissolved (mg/L)	<0.00050	<0.0010	0.0019				
	Phosphorus (P)-Dissolved (mg/L)	<0.050	<0.050	<0.050				
	Potassium (K)-Dissolved (mg/L)	2.89	3.66	5.10				
	Selenium (Se)-Dissolved (mg/L)	<0.000050	<0.00010 <sup>DLA</sup>	<0.00010 <sup>DLA</sup>				
	Silicon (Si)-Dissolved (mg/L)	2.78	3.40	3.42				
	Silver (Ag)-Dissolved (mg/L)	<0.000010	<0.000020 <sup>DLA</sup>	<0.000020 <sup>DLA</sup>				
	Sodium (Na)-Dissolved (mg/L)	9.60	12.8	14.4				
	Strontium (Sr)-Dissolved (mg/L)	0.813	1.06	1.28				
	Sulfur (S)-Dissolved (mg/L)	243	328	503				
	Thallium (Tl)-Dissolved (mg/L)	0.000056	0.000063	0.000121				
	Tin (Sn)-Dissolved (mg/L)	<0.00010	<0.00020 <sup>DLA</sup>	<0.00020 <sup>DLA</sup>				
	Titanium (Ti)-Dissolved (mg/L)	<0.00030	<0.00060 <sup>DLA</sup>	<0.00060 <sup>DLA</sup>				
	Uranium (U)-Dissolved (mg/L)	0.00322	0.00417	0.00389				
	Vanadium (V)-Dissolved (mg/L)	<0.00050	<0.0010 <sup>DLA</sup>	<0.0010 <sup>DLA</sup>				
	Zinc (Zn)-Dissolved (mg/L)	0.211	0.427	0.661				
	Zirconium (Zr)-Dissolved (mg/L)	<0.00030	<0.00060 <sup>DLA</sup>	<0.00060 <sup>DLA</sup>				

\* 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	L1628676-2, -3
Duplicate	Titanium (Ti)-Total	DLM	L1628676-1, -2, -3
Matrix Spike	Barium (Ba)-Dissolved	MS-B	L1628676-1, -2, -3
Matrix Spike	Sodium (Na)-Dissolved	MS-B	L1628676-1, -2, -3
Matrix Spike	Strontium (Sr)-Dissolved	MS-B	L1628676-1, -2, -3
Matrix Spike	Aluminum (Al)-Dissolved	MS-B	L1628676-1, -2, -3
Matrix Spike	Manganese (Mn)-Dissolved	MS-B	L1628676-1, -2, -3
Matrix Spike	Sodium (Na)-Dissolved	MS-B	L1628676-1, -2, -3

### 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
DLM	Detection Limit Adjusted due to sample matrix effects.
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**
<b>ALK-COL-VA</b>	Water	Alkalinity by Colourimetric (Automated)	EPA 310.2
This analysis is carried out using procedures adapted from EPA Method 310.2 "Alkalinity". Total Alkalinity is determined using the methyl orange colourimetric method.			
<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)
Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.			
<b>COLOUR-TRUE-VA</b>	Water	Colour (True) by Spectrometer	BCMOE Colour Single Wavelength
This analysis is carried out using procedures adapted from British Columbia Environmental Manual "Colour- Single Wavelength." Colour (True Colour) is determined by filtering a sample through a 0.45 micron membrane filter followed by analysis of the filtrate using the platinum-cobalt colourimetric method.			
Colour measurements can be highly pH dependent, and apply to the pH of the sample as received (at time of testing), without pH adjustment. Concurrent measurement of sample pH is recommended.			
<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 CaCO3 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)

## Reference Information

Water samples undergo a cold-oxidation using bromine monochloride prior to reduction with stannous chloride, and analyzed by CVAAS or CVAFS.

**HG-TOT-CVAFS-VA** Water Total Hg in Water by CVAFS LOR=50ppt EPA 1631E (mod)

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 a cold-oxidation of the acidified sample using bromine monochloride prior to reduction of the sample with stannous chloride. Instrumental analysis is by cold vapour atomic fluorescence spectrophotometry or atomic absorption spectrophotometry (EPA Method 245.7).

**IONBALANCE-VA** Water Ion Balance Calculation APHA 1030E

Cation Sum, Anion Sum, and Ion Balance (as % difference) are calculated based on guidance from APHA Standard Methods (1030E Checking Correctness of Analysis). Because all aqueous solutions are electrically neutral, the calculated ion balance (% difference of cations minus anions) should be near-zero.

Cation and Anion Sums are the total meq/L concentration of major cations and anions. Dissolved species are used where available. Minor ions are included where data is present. Ion Balance is calculated as:

Ion Balance (%) = [Cation Sum-Anion Sum] / [Cation Sum+Anion Sum]

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

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

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

**MET-DIS-LOW-ICP-VA** 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).

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

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

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

**MET-TOT-ICP-VA** Water Total Metals 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 (EPA Method 3005A). Instrumental analysis is by inductively coupled plasma - optical emission spectrophotometry (EPA Method 6010B).

**MET-TOT-LOW-ICP-VA** 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 6010B).

**NH3-F-VA** 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.

**NH3-F-VA** Water Ammonia in Water by Fluorescence J. ENVIRON. MONIT., 2005, 7, 37-42, RSC

This analysis is carried out, on sulfuric acid preserved samples, using procedures modified from J. Environ. Monit., 2005, 7, 37 - 42, The Royal Society of Chemistry, "Flow-injection analysis with fluorescence detection for the determination of trace levels of ammonium in seawater", Roslyn J. Waston et al.

**NO2-L-IC-N-WR** 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.

**NO3-L-IC-N-WR** 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.

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

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

## Reference Information

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

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

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

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

**S-DIS-ICP-VA**                      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.

**S-TOT-ICP-VA**                      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.

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

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

**TDS-CALC-VA**                      Water              TDS (Calculated)                      APHA 1030E (20TH EDITION)

This analysis is carried out using procedures adapted from APHA 1030E "Checking Correctness of Analyses".

**TSS-MAN-WR**                      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.

**TURBIDITY-VA**                      Water              Turbidity by Meter                      APHA 2130 "Turbidity"

This analysis is carried out using procedures adapted from APHA Method 2130 "Turbidity". Turbidity is determined by the nephelometric method.

**TURBIDITY-VA**                      Water              Turbidity by Meter                      APHA 2130 Turbidity

This analysis is carried out using procedures adapted from APHA Method 2130 "Turbidity". Turbidity is determined by the nephelometric method.

---

\*\* 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:**

## Reference Information

### GLOSSARY OF REPORT TERMS

*Surrogate* - A compound that is similar in behaviour to target analyte(s), but that does not occur naturally in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery.

*mg/kg* - milligrams per kilogram based on dry weight of sample.

*mg/kg wwt* - milligrams per kilogram based on wet weight of sample.

*mg/kg lwt* - milligrams per kilogram based on lipid-adjusted weight of sample.

*mg/L* - milligrams per litre.

*<* - Less than.

*D.L.* - The reported Detection Limit, also known as the Limit of Reporting (LOR).

*N/A* - Result not available. Refer to qualifier code and definition for explanation.

*Test results reported relate only to the samples as received by the laboratory.*

**UNLESS OTHERWISE STATED, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION.**

*Analytical results in unsigned test reports with the DRAFT watermark are subject to change, pending final QC review.*