



Southeast side of the NHL. Monitoring Well 3 in foreground at red stakes. Viewpoint 19 (Figure A-2; Appendix A). Photograph reference 19 (CD-ROM). Direction photo taken: NW



Northeast side of the NHL. Monitoring Well 4 in foreground. Viewpoint 17 (Figure A-2; Appendix A). Photograph reference 17 (CD-ROM). Direction photo taken: SW



View of grading on surface of NHWL. Viewpoint 25 (Figure A-2; Appendix A).
Photograph reference 25 (CD-ROM). Direction photo taken: N



View of grading of slope on northwest side of NHWL. Typical of all sides. Viewpoint 37 (Figure A-2; Appendix A).
Photograph reference 37 (CD-ROM). Direction photo taken: E



View of an animal burrow near the north corner of the NHL. Viewpoint 45 (Figure A-2; Appendix A).
Photograph reference 45 (CD-ROM). Direction photo taken: SW



View of natural drainage on the southwest side of NHL. Viewpoint 46 (Figure A-2; Appendix A). Photograph
reference 46 (CD-ROM). Direction photo taken: E



View of drainage pathway on the southeast side of NHWL. Viewpoint 47 (Figure A-2; Appendix A). Photograph reference 47 (CD-ROM). Direction photo taken: N



Concrete pad at Main Station Area. Photograph reference 49 (CD-ROM). Direction photo taken: N



View of Caribou tracks at base of landfill. Photograph reference 50 (CD-ROM). Direction photo taken: N/A



Vegetation re-growth at SE side of NHL. Photograph reference 51 (CD-ROM). Direction photo taken: N/A



View of falcon nest at Beach Area. Photograph reference 54 (CD-ROM). Direction photo taken: N/A



View of snowy owl scat on surface of BHWL. Photograph reference 55 (CD-ROM). Direction photo taken: N/A

Table B-1. Picture viewpoint numbers of the NHWL (as depicted in Figure A-1, Appendix A) cross-referenced with picture numbers on attached CD-ROM. Bolded viewpoint and pictures are those that appear in the partial photographic record presented above.

Viewpoint #	Picture #	Viewpoint #	Picture #
1	1	29	29
2	2	30	30
3	3	31	31
4	4	32	32
5	5	33	33
6	6	34	34
7	7	35	35
8	8	36	36
9	9	37	37
10	10	38	38
11	11	39	39
12	12	40	40
13	13	41	41
14	14	42	42
15	15	43	43
16	16	44	44
17	17	45	45
18	18	46	46
19	19	47	47
20	20	48	48
21	21	49	49
22	22	N/A	50
23	23	N/A	51
24	24	N/A	52
25	25	N/A	53
26	26	N/A	54
27	27	N/A	55
28	28	N/A	56
--	--	N/A	57

APPENDIX D

Laboratory Reports and Chain of Custody Forms

(Reports are inclusive of both PIN-B and PIN-D groundwater analysis)

Your Project #: 1697-1301
Your C.O.C. #: 427711-03-01

Attention: JULIE DITTBURNER

FRANZ ENVIRONMENTAL INC.
329 CHURCHILL AVE NORTH
SUITE 2000
OTTAWA, ON
CANADA K1Z5B8

Report Date: 2013/09/12

CERTIFICATE OF ANALYSIS

MAXXAM JOB #: B375531

Received: 2013/08/22, 16:25

Sample Matrix: Water
Samples Received: 5

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Alkalinity @25C (pp, total), CO ₃ ,HCO ₃ ,OH	4	N/A	2013/08/27	AB SOP-00005	SM 2320-B
BTEX/F1 in Water by HS GC/MS	4	N/A	2013/08/28	AB SOP-00039	CCME, EPA 8260C
Chloride by Automated Colourimetry	3	N/A	2013/08/29	AB SOP-00020	SSMA 4500 CL- E
Chloride by Automated Colourimetry	1	N/A	2013/08/30	AB SOP-00020	SSMA 4500 CL- E
True Colour	4	N/A	2013/08/27	CAL SOP-00049	SM 2120 C
Conductivity @25C	4	N/A	2013/08/27	AB SOP-00005	SM 2510-B
Fluoride	4	N/A	2013/08/27	AB SOP-00005	SM 4500-F C
CCME Hydrocarbons (F2-F4 in water)	4	2013/08/27	2013/08/28	AB SOP-00040 AB SOP-00037	EPA3510C/CCME PHCCWS
Hardness	4	N/A	2013/08/28	AB WI-00065	SM 2340B
Hardness Total (calculated as CaCO ₃) (1)	4	N/A	2013/08/29	BBY7SOP-00002	EPA 6020A
Hardness (calculated as CaCO ₃) (1)	4	N/A	2013/08/28	BBY7SOP-00002	EPA 6020A
Elements by ICP (Dissolved) Lab Filtered	4	N/A	2013/08/27	AB SOP-00042	EPA 200.7
Ion Balance	4	N/A	2013/08/27	AB WI-00065	SM 1030E
Na, K, Ca, Mg, S by CRC ICPMS (diss.) (1)	4	N/A	2013/08/30	BBY7SOP-00002	EPA 6020A
Elements by ICPMS Low Level (dissolved) (1)	4	N/A	2013/08/29	BBY7SOP-00002	EPA 6020A
Na, K, Ca, Mg, S by CRC ICPMS (total) (1)	4	N/A	2013/08/29	BBY7SOP-00002	EPA 6020A
Elements by ICPMS Low Level (total) (1)	4	N/A	2013/08/29	BBY7SOP-00002	EPA 6020A
Nitrate and Nitrite	4	N/A	2013/08/28	AB SOP-00023	SM4110B
Nitrate + Nitrite-N (calculated)	4	N/A	2013/08/28	AB SOP-00023	SM 4110-B
Nitrogen, (Nitrite, Nitrate) by IC	4	N/A	2013/08/27	AB SOP-00023	SM 4110-B
Polychlorinated Biphenyls	2	2013/08/27	2013/08/27	CAL SOP-00149	EPA 3510C, EPA 8082A
Polychlorinated Biphenyls	2	2013/08/27	2013/08/29	CAL SOP-00149	EPA 3510C, EPA 8082A
pH @25°C (Alkalinity titrator)	4	N/A	2013/08/27	AB SOP-00005	SM 4500-H+B
Orthophosphate by Konelab	4	N/A	2013/08/28	AB SOP-00025	SM 4500-P
Sulphate by Automated Colourimetry	3	N/A	2013/08/29	AB SOP-00018	SM 4500 SO4-E
Sulphate by Automated Colourimetry	1	N/A	2013/08/30	AB SOP-00018	SM 4500 SO4-E
Total Dissolved Solids (Filt. Residue)	3	2013/08/28	2013/08/28	CAL SOP-00074	SM 2540-C
Total Dissolved Solids (Calculated)	4	N/A	2013/08/29	AB WI-00065	SM 1030E
Total Suspended Solids (NFR, low)	3	N/A	2013/08/29	AB SOP-00061	SM 2540-D

* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

* Results relate only to the items tested.

(1) This test was performed by Maxxam Vancouver

Maxxam Job #: B375531
Report Date: 2013/09/12

FRANZ ENVIRONMENTAL INC.
Client Project #: 1697-1301

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Encryption Key

Please direct all questions regarding this Certificate of Analysis to your Project Manager.

Carissa Sumka, Project Manager
Email: CSumka@maxxam.ca
Phone# (403) 291-3077

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Maxxam has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per section 5.10.2 of ISO/IEC 17025:2005(E), signing the reports. For Service Group specific validation please refer to the Validation Signature Page.

Total cover pages: 2

Maxxam Job #: B375531
Report Date: 2013/09/12

FRANZ ENVIRONMENTAL INC.
Client Project #: 1697-1301

AT1 BTEX AND F1-F4 IN WATER (WATER)

Maxxam ID		HH7504	HH7506	HH7507	HH7508		
Sampling Date		2013/08/22	2013/08/22	2013/08/22	2013/08/22		
	UNITS	MW3-D	MW2-D	DUP1	MW3-B	RDL	QC Batch
Ext. Pet. Hydrocarbon							
F2 (C10-C16 Hydrocarbons)	mg/L	<0.10	<0.10	<0.10	<0.10	0.10	7116412
F3 (C16-C34 Hydrocarbons)	mg/L	<0.20	<0.20	<0.20	<0.20	0.20	7116412
F4 (C34-C50 Hydrocarbons)	mg/L	<0.20	<0.20	<0.20	<0.20	0.20	7116412
Reached Baseline at C50	mg/L	YES	YES	YES	YES	N/A	7116412
Surrogate Recovery (%)							
O-TERPHENYL (sur.)	%	105	105	100	104	N/A	7116412
Volatiles							
Benzene	ug/L	<0.40	<0.40	<0.40	<0.40	0.40	7117948
Toluene	ug/L	<0.40	<0.40	<0.40	<0.40	0.40	7117948
Ethylbenzene	ug/L	<0.40	<0.40	<0.40	<0.40	0.40	7117948
m & p-Xylene	ug/L	<0.80	<0.80	<0.80	<0.80	0.80	7117948
o-Xylene	ug/L	<0.40	<0.40	<0.40	<0.40	0.40	7117948
Xylenes (Total)	ug/L	<0.80	<0.80	<0.80	<0.80	0.80	7117948
F1 (C6-C10) - BTEX	ug/L	<100	<100	<100	<100	100	7117948
(C6-C10)	ug/L	<100	<100	<100	<100	100	7117948
Surrogate Recovery (%)							
1,4-Difluorobenzene (sur.)	%	99	102	101	98	N/A	7117948
4-BROMOFLUOROBENZENE (sur.)	%	76	78	74	73	N/A	7117948
D4-1,2-DICHLOROETHANE (sur.)	%	126	128	127	127	N/A	7117948
N/A = Not Applicable							
RDL = Reportable Detection Limit							

Maxxam Job #: B375531
Report Date: 2013/09/12

FRANZ ENVIRONMENTAL INC.
Client Project #: 1697-1301

ROUTINE WATER - FILTERED (WATER)

Maxxam ID		HH7504		HH7505		HH7506	HH7508		
Sampling Date		2013/08/22		2013/08/22		2013/08/22	2013/08/22		
	UNITS	MW3-D	QC Batch	DUP2	RDL	MW2-D	MW3-B	RDL	QC Batch
Calculated Parameters									
Hardness (CaCO ₃)	mg/L	370	7115445	390	0.50	260	210	0.50	7115445
Ion Balance	N/A	1.0	7115446	1.0	0.010	1.0	1.0	0.010	7115446
Dissolved Nitrate (NO ₃)	mg/L	4.6	7115448	4.6	0.013	1.4	36	0.013	7115448
Nitrate plus Nitrite (N)	mg/L	1.0	7115449	1.0	0.0030	0.31	8.2	0.0030	7115449
Dissolved Nitrite (NO ₂)	mg/L	<0.0099	7115448	0.016	0.0099	<0.0099	0.053	0.0099	7115448
Total Dissolved Solids	mg/L	430	7115451	450	10	300	340	10	7115451
Misc. Inorganics									
Conductivity	uS/cm	730	7121041	730	1.0	520	630	1.0	7121041
pH	N/A	7.92	7121043	7.99	N/A	8.01	8.01	N/A	7121043
Anions									
Alkalinity (PP as CaCO ₃)	mg/L	<0.50	7121037	<0.50	0.50	<0.50	<0.50	0.50	7121037
Alkalinity (Total as CaCO ₃)	mg/L	160	7121037	160	0.50	110	120	0.50	7121037
Bicarbonate (HCO ₃)	mg/L	190	7121037	190	0.50	130	150	0.50	7121037
Carbonate (CO ₃)	mg/L	<0.50	7121037	<0.50	0.50	<0.50	<0.50	0.50	7121037
Hydroxide (OH)	mg/L	<0.50	7121037	<0.50	0.50	<0.50	<0.50	0.50	7121037
Dissolved Sulphate (SO ₄)	mg/L	190 ⁽¹⁾	7130847	200 ⁽¹⁾	2.0	130	47	1.0	7129396
Dissolved Chloride (Cl)	mg/L	18	7130839	19	1.0	22	71	1.0	7129391
Nutrients									
Dissolved Nitrite (N)	mg/L	<0.0030	7118830	0.0050	0.0030	<0.0030	0.016	0.0030	7118830
Dissolved Nitrate (N)	mg/L	1.0	7118830	1.0	0.0030	0.31	8.2	0.0030	7118830
N/A = Not Applicable									
RDL = Reportable Detection Limit									
(1) - Detection limits raised due to dilution to bring analyte within the calibrated range.									

Maxxam Job #: B375531
Report Date: 2013/09/12

FRANZ ENVIRONMENTAL INC.
Client Project #: 1697-1301

ROUTINE WATER - FILTERED (WATER)

Maxxam ID		HH7504		HH7505		HH7506	HH7508		
Sampling Date		2013/08/22		2013/08/22		2013/08/22	2013/08/22		
	UNITS	MW3-D	QC Batch	DUP2	RDL	MW2-D	MW3-B	RDL	QC Batch
Elements									
Dissolved Aluminum (Al)	mg/L	<0.040	7120649	<0.040	0.040	<0.040	<0.040	0.040	7120649
Dissolved Barium (Ba)	mg/L	0.026	7120649	0.026	0.010	0.039	0.058	0.010	7120649
Dissolved Boron (B)	mg/L	0.022	7120649	0.022	0.020	<0.020	0.029	0.020	7120649
Dissolved Calcium (Ca)	mg/L	64	7127559	71	0.30	29	42	0.30	7120649
Dissolved Chromium (Cr)	mg/L	<0.010	7120649	<0.010	0.010	<0.010	<0.010	0.010	7120649
Dissolved Iron (Fe)	mg/L	0.090	7120649	0.092	0.060	0.076	<0.060	0.060	7120649
Dissolved Lithium (Li)	mg/L	<0.020	7120649	<0.020	0.020	<0.020	<0.020	0.020	7120649
Dissolved Magnesium (Mg)	mg/L	50	7127559	51	0.20	45	26	0.20	7120649
Dissolved Manganese (Mn)	mg/L	0.018	7120649	0.019	0.0040	0.070	<0.0040	0.0040	7120649
Dissolved Phosphorus (P)	mg/L	<0.10	7120649	<0.10	0.10	<0.10	<0.10	0.10	7120649
Dissolved Potassium (K)	mg/L	1.2	7127559	1.2	0.30	1.5	2.1	0.30	7120649
Dissolved Silicon (Si)	mg/L	0.96	7120649	0.99	0.10	0.78	1.1	0.10	7120649
Dissolved Sodium (Na)	mg/L	8.2	7127559	8.2	0.50	8.6	41	0.50	7120649
Dissolved Strontium (Sr)	mg/L	0.052	7120649	0.053	0.020	0.056	0.066	0.020	7120649
Dissolved Sulphur (S)	mg/L	60	7120649	60	0.20	35	15	0.20	7120649
RDL = Reportable Detection Limit									

RESULTS OF CHEMICAL ANALYSES OF WATER

Maxxam ID		HH7504		HH7505	HH7506		HH7508		
Sampling Date		2013/08/22		2013/08/22	2013/08/22		2013/08/22		
	UNITS	MW3-D	RDL	DUP2	MW2-D	RDL	MW3-B	RDL	QC Batch
Misc. Inorganics									
Total Dissolved Solids	mg/L	500	10	490	N/A	10	410	10	7121901
Total Suspended Solids	mg/L	0.50 ⁽¹⁾	0.50	0.46 ⁽¹⁾	N/A	0.46	2.9	0.40	7126554
Anions									
Dissolved Fluoride (F)	mg/L	<0.050	0.050	<0.050	0.061	0.050	0.077	0.050	7121045
Nutrients									
Orthophosphate (P)	mg/L	<0.0030	0.0030	0.0032	0.0030	0.0030	0.0041	0.0030	7125504
Physical Properties									
True Colour	PtCo units	3.8	2.0	2.7	3.6	2.0	6.1	2.0	7121131
N/A = Not Applicable									
RDL = Reportable Detection Limit									
(1) - Detection limits raised due to insufficient sample volume.									

Maxxam Job #: B375531
Report Date: 2013/09/12

FRANZ ENVIRONMENTAL INC.
Client Project #: 1697-1301

POLYCHLORINATED BIPHENYLS BY GC-ECD (WATER)

Maxxam ID		HH7504	HH7505	HH7506	HH7508		
Sampling Date		2013/08/22	2013/08/22	2013/08/22	2013/08/22		
	UNITS	MW3-D	DUP2	MW2-D	MW3-B	RDL	QC Batch
Polychlorinated Biphenyls							
Aroclor 1016	mg/L	<0.000050	<0.000050	<0.000050	<0.000050	0.000050	7117522
Aroclor 1221	mg/L	<0.000050	<0.000050	<0.000050	<0.000050	0.000050	7117522
Aroclor 1232	mg/L	<0.000050	<0.000050	<0.000050	<0.000050	0.000050	7117522
Aroclor 1242	mg/L	<0.000050	<0.000050	<0.000050	<0.000050	0.000050	7117522
Aroclor 1248	mg/L	<0.000050	<0.000050	<0.000050	<0.000050	0.000050	7117522
Aroclor 1254	mg/L	<0.000050	<0.000050	<0.000050	<0.000050	0.000050	7117522
Aroclor 1260	mg/L	<0.000050	<0.000050	<0.000050	<0.000050	0.000050	7117522
Aroclor 1262	mg/L	<0.000050	<0.000050	<0.000050	<0.000050	0.000050	7117522
Aroclor 1268	mg/L	<0.000050	<0.000050	<0.000050	<0.000050	0.000050	7117522
Total Aroclors	mg/L	<0.000050	<0.000050	<0.000050	<0.000050	0.000050	7117522
Surrogate Recovery (%)							
NONACHLOROBIPHENYL (sur.)	%	98	100	114	107	N/A	7117522
N/A = Not Applicable							
RDL = Reportable Detection Limit							

Maxxam Job #: B375531
Report Date: 2013/09/12

FRANZ ENVIRONMENTAL INC.
Client Project #: 1697-1301

LOW LEVEL DISSOLVED METALS IN WATER (WATER)

Maxxam ID		HH7504		HH7505		HH7506		HH7508		
Sampling Date		2013/08/22		2013/08/22		2013/08/22		2013/08/22		
	UNITS	MW3-D	QC Batch	DUP2	QC Batch	MW2-D	QC Batch	MW3-B	RDL	QC Batch
Misc. Inorganics										
Dissolved Hardness (CaCO ₃)	mg/L	367	7113997	388	7113997	257	7113997	214	0.50	7113997
Dissolved Metals by ICPMS										
Dissolved Aluminum (Al)	ug/L	17.3	7122868	20.8	7122868	27.9	7122868	22.4	0.50	7122868
Dissolved Antimony (Sb)	ug/L	0.086	7122868	0.095	7122868	0.025	7122868	0.085	0.020	7122868
Dissolved Arsenic (As)	ug/L	0.134	7122868	0.130	7122868	0.153	7122868	0.225	0.020	7122868
Dissolved Barium (Ba)	ug/L	30.6	7122868	30.6	7122868	38.3	7122868	60.5	0.020	7122868
Dissolved Beryllium (Be)	ug/L	<0.010	7122868	<0.010	7122868	<0.010	7122868	<0.010	0.010	7122868
Dissolved Bismuth (Bi)	ug/L	<0.0050	7122868	0.0130	7122868	<0.0050	7122868	<0.0050	0.0050	7122868
Dissolved Boron (B)	ug/L	<50	7122868	<50	7122868	<50	7122868	<50	50	7122868
Dissolved Cadmium (Cd)	ug/L	0.0130	7122868	0.0120	7122868	0.0130	7122868	0.0130	0.0050	7122868
Dissolved Chromium (Cr)	ug/L	<0.10	7122868	<0.10	7122868	<0.10	7122868	<0.10	0.10	7122868
Dissolved Cobalt (Co)	ug/L	0.218	7122868	0.240	7137476	0.371	7122868	0.110 ⁽¹⁾	0.0050	7122868
Dissolved Copper (Cu)	ug/L	2.63	7122868	2.90	7137476	2.02	7122868	4.68	0.050	7122868
Dissolved Iron (Fe)	ug/L	3.7	7122868	3.3	7122868	1.6	7122868	3.4	1.0	7122868
Dissolved Lead (Pb)	ug/L	0.0140	7122868	0.0330	7122868	0.0200	7122868	0.0250	0.0050	7122868
Dissolved Lithium (Li)	ug/L	1.70	7122868	1.47	7122868	1.51	7122868	1.60	0.50	7122868
Dissolved Manganese (Mn)	ug/L	26.8	7122868	28.6	7122868	61.2	7122868	4.61	0.050	7122868
Dissolved Molybdenum (Mo)	ug/L	0.772	7122868	0.894	7122868	1.85	7122868	1.50	0.050	7122868
Dissolved Nickel (Ni)	ug/L	1.86	7122868	2.15	7122868	3.47	7122868	1.88	0.020	7122868
Dissolved Selenium (Se)	ug/L	0.337	7122868	0.328	7122868	0.241	7122868	0.482	0.040	7122868
Dissolved Silicon (Si)	ug/L	1140	7122868	1110	7122868	898	7122868	1300	100	7122868
Dissolved Silver (Ag)	ug/L	<0.0050	7122868	<0.0050	7122868	<0.0050	7122868	<0.0050	0.0050	7122868
Dissolved Strontium (Sr)	ug/L	56.7	7122868	57.6	7122868	53.8	7122868	68.7	0.050	7122868
Dissolved Thallium (Tl)	ug/L	0.0330	7122868	0.0340	7122868	0.0130	7122868	0.0100	0.0020	7122868
Dissolved Tin (Sn)	ug/L	<0.20	7122868	<0.20	7122868	<0.20	7122868	<0.20	0.20	7122868
Dissolved Titanium (Ti)	ug/L	<0.50	7122868	<0.50	7122868	<0.50	7122868	<0.50	0.50	7122868
Dissolved Uranium (U)	ug/L	7.09	7122868	7.14	7122868	4.38	7122868	1.48	0.0020	7122868
Dissolved Vanadium (V)	ug/L	0.23	7122868	0.22	7122868	0.21	7122868	0.34	0.20	7122868
Dissolved Zinc (Zn)	ug/L	2.11 ⁽¹⁾	7137476	2.34 ⁽¹⁾	7137476	2.72 ⁽¹⁾	7137476	18.8	0.10	7122868
Dissolved Zirconium (Zr)	ug/L	0.12	7122868	0.10	7122868	<0.10	7122868	0.33	0.10	7122868
Dissolved Calcium (Ca)	mg/L	68.5	7115757	67.5	7115757	27.1	7115757	40.3	0.050	7115757
Dissolved Magnesium (Mg)	mg/L	50.3	7115757	53.3	7115757	44.1	7115757	26.7	0.050	7115757
Dissolved Potassium (K)	mg/L	1.31	7115757	1.36	7115757	1.54	7115757	2.24	0.050	7115757
Dissolved Sodium (Na)	mg/L	8.25	7115757	8.64	7115757	8.70	7115757	43.2	0.050	7115757
Dissolved Sulphur (S)	mg/L	68.2	7115757	74.3	7115757	42.5	7115757	17.3	3.0	7115757
RDL = Reportable Detection Limit										
(1) - Dissolved greater than total. Reanalysis yields similar results.										

Maxxam Job #: B375531
Report Date: 2013/09/12

FRANZ ENVIRONMENTAL INC.
Client Project #: 1697-1301

LOW LEVEL TOTAL METALS IN WATER (WATER)

Maxxam ID		HH7504	HH7505	HH7506	HH7508		
Sampling Date		2013/08/22	2013/08/22	2013/08/22	2013/08/22		
	UNITS	MW3-D	DUP2	MW2-D	MW3-B	RDL	QC Batch
Calculated Parameters							
Total Hardness (CaCO3)	mg/L	375	360	227	196	0.50	7114651
Total Metals by ICPMS							
Total Aluminum (Al)	ug/L	20.9	19.5	33.3	26.1	0.50	7122900
Total Antimony (Sb)	ug/L	0.081	0.079	0.027	0.080	0.020	7122900
Total Arsenic (As)	ug/L	0.131	0.112	0.194	0.190	0.020	7122900
Total Barium (Ba)	ug/L	30.5	31.1	39.4	62.7	0.020	7122900
Total Beryllium (Be)	ug/L	<0.010	<0.010	<0.010	<0.010	0.010	7122900
Total Bismuth (Bi)	ug/L	<0.0050	0.0050	<0.0050	<0.0050	0.0050	7122900
Total Boron (B)	ug/L	<50	<50	<50	<50	50	7122900
Total Cadmium (Cd)	ug/L	0.0120	0.0090	0.0080	0.0090	0.0050	7122900
Total Chromium (Cr)	ug/L	<0.10	0.15	1.50	0.11	0.10	7122900
Total Cobalt (Co)	ug/L	0.190	0.204	0.364	0.0450	0.0050	7122900
Total Copper (Cu)	ug/L	3.11	3.08	7.29	4.26	0.050	7122900
Total Iron (Fe)	ug/L	22.8	19.1	40.7	13.8	1.0	7122900
Total Lead (Pb)	ug/L	0.101	0.0950	0.132	0.0500	0.0050	7122900
Total Lithium (Li)	ug/L	1.38	1.63	1.65	1.73	0.50	7122900
Total Manganese (Mn)	ug/L	26.4	27.2	62.9	4.74	0.050	7122900
Total Molybdenum (Mo)	ug/L	0.790	0.842	1.70	1.40	0.050	7122900
Total Nickel (Ni)	ug/L	1.94	2.02	5.98	1.58	0.020	7122900
Total Selenium (Se)	ug/L	0.355	0.325	0.225	0.440	0.040	7122900
Total Silicon (Si)	ug/L	1170	1040	823	1200	100	7122900
Total Silver (Ag)	ug/L	<0.0050	<0.0050	<0.0050	<0.0050	0.0050	7122900
Total Strontium (Sr)	ug/L	59.9	58.7	54.5	69.5	0.050	7122900
Total Thallium (Tl)	ug/L	0.0330	0.0330	0.0140	0.0090	0.0020	7122900
Total Tin (Sn)	ug/L	<0.20	<0.20	<0.20	<0.20	0.20	7122900
Total Titanium (Ti)	ug/L	<0.50	<0.50	1.19	<0.50	0.50	7122900
Total Uranium (U)	ug/L	6.94	6.80	4.11	1.40	0.0020	7122900
Total Vanadium (V)	ug/L	<0.20	0.20	0.23	0.21	0.20	7122900
Total Zinc (Zn)	ug/L	0.95	0.81	0.64	16.4	0.10	7122900
Total Zirconium (Zr)	ug/L	<0.10	<0.10	<0.10	0.26	0.10	7122900
Total Calcium (Ca)	mg/L	68.9	62.4	23.0	37.7	0.050	7115902
Total Magnesium (Mg)	mg/L	49.2	49.6	41.1	24.8	0.050	7115902
Total Potassium (K)	mg/L	1.32	1.34	1.54	2.11	0.050	7115902
Total Sodium (Na)	mg/L	8.09	8.21	8.18	40.2	0.050	7115902
Total Sulphur (S)	mg/L	70.4	70.2	40.2	16.5	3.0	7115902
RDL = Reportable Detection Limit							

Maxxam Job #: B375531
Report Date: 2013/09/12

FRANZ ENVIRONMENTAL INC.
Client Project #: 1697-1301

Package 1	5.3°C
Package 2	9.7°C

Each temperature is the average of up to three cooler temperatures taken at receipt

Sample HH7504, Elements by ICP (Dissolved) Lab Filtered: Test repeated.
Sample HH7504, Elements by ICPMS Low Level (dissolved): Test repeated.
Sample HH7505, Elements by ICPMS Low Level (dissolved): Test repeated.
Sample HH7506, Elements by ICPMS Low Level (dissolved): Test repeated.