

TABLES

Table 2	Field Measurement and Laboratory Analytical Results
Table 3	RPD Calculation for Duplication Samples
Table 4	Comparison with the 2006 Seepage Survey Results



Table 2: Field Measurment and Laboratory Analytical Results

Analyte	Unit	Sample ID			JER-SPG-01A	JER-SPG-01B	JER-SPG-01C	JER-SPG-01D	JER-SPG-02A	JER-SPG-08A	JER-SPG-08B	JER-SPG-INFLOW0	JER-SPG-DUP0	JER-SPG-FB	JER-SPG-TB
		Laboratory ID			L1059935-1	L1059935-2	L1059935-3	L1059935-5	L1059935-6	L1059935-7	L1059935-8	L1059935-9	L1059935-4	L1059935-12	L1059935-13
		Date Sampled			9/14/2011	9/14/2011	9/14/2011	9/14/2011	9/14/2011	9/14/2011	9/14/2011	9/15/2011	9/14/2011	9/14/2011	9/14/2011
		LOR ⁽¹⁾	NWB-WL ⁽²⁾ Max. Avg	NWB-WL ⁽²⁾ Max. Grab											
Coordinates (NAD 27, Zone 12W)															
Northing			-	-	7320042	7319967	7319737	7319301	7319217	7319028	7319112	7319861	Same as JER-SPG-01C	-	-
Easting			-	-	478773	478777	478393	478465	478363	477618	477720	479136		-	-
Field Measurement															
pH (Field)	-		-	-	7.17	7.55	7.70	7.78	8.23	7.41	7.60	7.30	-	-	-
Conductivity (EC, Field)	µS/cm		-	-	191.5	93.0	384.5	824.0	406.6	164.7	219.9	23.5	-	-	-
Dissolved Oxygen (Field)	mg/L		-	-	7.8	11.8	13.3	12.8	12.4	10.2	13.0	13.4	-	-	-
Temperature (Field)	°C		-	-	1.8	1.1	0.3	4.8	7.0	5.3	3.2	2.0	-	-	-
Physical Parameter															
pH (Lab)	pH	0.1	6 - 8.8	6 - 8.8	7.59	7.76	7.93	8.05	8.12	8.03	8.06	7.34	7.94	5.81	5.69
Conductivity (EC)	uS/cm	0.2	-	-	310	159	658	1240	793	349	251	38.7	645	1.07	0.91
Total Dissolved Solids (Calculated)	mg/L	n/a	2,000	4,000	157	96.4	441	911	529	213	139	18.1	408	<1.0	<1.0
Total Suspended Solids	mg/L	3	15	25	40	5	40	45	237	7	<3.0	<3.0	56	<3.0	<3.0
Turbidity	NTU	0.1	-	-	24.8	2.65	5.04	33.4	231	3.62	0.72	3.2	19.6	<0.10	<0.10
Hardness (as CaCO3)	mg/L	1.3	-	-	116	60	265	513	331	130	104	16.3	259	<1.3	<1.3
Ion Balance (Calculated)	%	n/a	-	-	124	97.1	95.4	90	95.4	95.8	105	Low EC	100	Low TDS	Low TDS
Anions and Nutrients															
Acidity (as CaCO3)	mg/L	5	-	-	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	-	<5.0
Alkalinity, Total (as CaCO3)	mg/L	5	-	-	38.5	30.4	78.9	73.4	117	67.3	85.9	14.2	81.7	<5.0	<5.0
Bicarbonate (HCO3)	mg/L	5	-	-	47	37.1	96.3	89.5	143	82.1	105	17.3	99.7	<5.0	<5.0
Carbonate (CO3)	mg/L	5	-	-	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Hydroxide (OH)	mg/L	5	-	-	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Chloride (Cl)	mg/L	0.5	500	1,000	5.92	1.88	7.03	7.17	10.5	8.38	4.52	<0.50	6.44	<0.50	<0.50
Fluoride (F)	mg/L	0.05	-	-	<0.050	<0.050	0.091	0.088	<0.050	0.057	0.104	<0.050	0.093	<0.050	<0.050
Total Ammonia (as N)	mg/L	0.005	6	12	0.76	0.157	0.489	2.25	0.205	0.306	<0.0050	<0.0050	0.463	<0.0050	<0.0050
Nitrate and Nitrite (as N)	mg/L	0.006	-	-	14.9	9.84	54	126	58	12	3.26	0.347	46.6	<0.0060	<0.0060
Nitrate (as N)	mg/L	0.006	28	56	14.8	9.84	53.2	125	58	12	3.26	0.347	46	<0.0060	<0.0060
Nitrite (as N)	mg/L	0.002	2.5	5.0	0.099	<0.050	0.722	0.669	0.054	0.056	<0.0020	<0.0020	0.625	<0.0020	<0.0020
Orthophosphate-Dissolved (as P)	mg/L	0.001	-	-	0.0033	<0.0010	<0.0010	<0.0010	0.0656	0.0018	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Phosphorus (P)-Total	mg/L	0.001	0.2	0.4	0.0503	0.0102	0.0361	0.0115	0.176	0.0473	0.008	0.0049	0.0443	<0.0010	<0.0010
Sulfate (SO4)	mg/L	0.05	-	-	12.5	6.48	38.6	102	54.6	50.2	18.9	1.36	39.3	0.065	<0.050
Organic/Inorganic Carbon															
Total Inorganic Carbon	mg/L	1	-	-	11	7.8	20.7	18.4	29.8	16.7	22.3	4.3	21.1	<1.0	<1.0
Total Organic Carbon	mg/L	1	-	-	7.4	6.3	7	3.4	10.5	13.5	6	6.3	7.5	2.8	<1.0
Total Metals															
Aluminum (Al)-Total	mg/L	0.0002	1.5	3.0	0.0743	0.0901	0.122	0.0277	0.128	0.136	0.037	0.195	0.0791	<0.00020	<0.00020
Antimony (Sb)-Total	mg/L	0.000005	-	-	0.0000821	0.0000727	0.000146	0.000161	0.000348	0.000167	0.000833	0.0000128	0.000165	<0.0000050	<0.0000050
Arsenic (As)-Total	mg/L	0.00002	0.05	0.10	0.00029	0.000322	0.000907	0.000716	0.00108	0.000631	0.000376	0.000186	0.000775	<0.000020	<0.000020
Barium (Ba)-Total	mg/L	0.00002	-	-	0.0434	0.0171	0.0772	0.0647	0.102	0.0443	0.0261	0.0071	0.0777	<0.000020	<0.000020
Beryllium (Be)-Total	mg/L	0.000002	-	-	0.0000181	0.0000161	0.0000127	0.0000025	0.0000105	0.0000146	0.0000054	0.0000405	0.0000084	<0.0000020	<0.0000020
Bismuth (Bi)-Total	mg/L	0.000001	-	-	0.0000014	0.0000021	0.0000045	0.0000012	0.0000075	0.0000032	<0.0000010	0.0000021	0.0000028	<0.0000010	<0.0000010
Boron (B)-Total	mg/L	0.005	-	-	0.0579	0.0449	0.102	0.111	0.0556	0.0483	0.0355	0.0051	0.103	<0.0050	<0.0050
Cadmium (Cd)-Total	mg/L	0.000005	0.0012	0.0024	0.0000094	<0.0000050	<0.000010	<0.000010	0.000111	<0.0000050	<0.0000050	<0.0000050	<0.000010	<0.0000050	<0.0000050
Calcium (Ca)-Total	mg/L	0.03	-	-	26.3	13.5	63.6	130	83.7	29.4	24.7	3.94	62.4	<0.030	<0.030
Cesium (Cs)-Total	mg/L	0.000005	-	-	0.0000819	0.0000471	0.000043	0.000247	0.0000689	0.0000461	0.0000172	0.0000309	0.0000336	<0.0000050	<0.0000050
Chromium (Cr)-Total	mg/L	0.00005	0.087	0.17	0.00029	0.000289	0.000382	0.000104	0.000427	0.0000909	0.000241	0.00037	0.000234	<0.000050	<0.000050
Cobalt (Co)-Total	mg/L	0.000005	-	-	0.00145	0.000262	0.00448	0.00149	0.00234	0.0012	0.000185	0.000135	0.00491	<0.0000050	<0.0000050
Copper (Cu)-Total	mg/L	0.00005	0.02	0.04	0.00486	0.00456	0.00442	0.00863	0.0135	0.00549	0.00581	0.00289	0.00446	<0.000050	<0.000050
Gallium (Ga)-Total	mg/L	0.00005	-	-	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Iron (Fe)-Total	mg/L	0.01	-	-	0.303	0.119	0.365	0.05	0.209	0.257	0.069	0.17	0.303	<0.010	<0.010
Lead (Pb)-Total	mg/L	0.000005	0.01	0.02	0.000143	0.000228	0.000324	0.0000234	0.000767	0.00046	0.0000966	0.000185	0.000259	<0.0000050	<0.0000050
Lithium (Li)-Total	mg/L	0.0002	-	-	0.00404	0.0031	0.00804	0.011	0.00383	0.00412	0.00278	0.00078	0.00767	<0.00020	<0.00020
Magnesium (Mg)-Total	mg/L	0.03	-	-	13	6.88	29.3	56	34.5	15.6	10	1.65	28.7	<0.030	<0.030
Manganese (Mn)-Total	mg/L	0.000005	-	-	0.253	0.0331	0.935	0.718	0.337	0.481	0.00261	0.00321	1.06	0.0000223	0.000017
Mercury (Hg)-Total	mg/L	0.00005	-	-	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Molybdenum (Mo)-Total	mg/L	0.00001	0.73	1.50	0.00332	0.00318	0.01	0.00592	0.00293	0.00695	0.00405	0.000111	0.00954	0.000012	0.000013
Nickel (Ni)-Total	mg/L	0.00005	0.05	0.10	0.00684	0.00263	0.00823	0.00828	0.0314	0.0121	0.00246	0.000788	0.00849	<0.000050	<0.000050
Phosphorus (P)-Total	mg/L	0.05	-	-</											

Table 3: RPD Calculation for Duplication Samples

Analyte	Unit		JER-SPG-01C	JER-SPG-DUP01	RPD
			L1059935-3	L1059935-4	
			9/14/2011	9/14/2011	
Physical Parameter		LOR ⁽¹⁾			
pH (Lab)	pH	0.1	7.93	7.94	0.1%
Conductivity (EC)	uS/cm	0.2	658	645	2.0%
Total Dissolved Solids (Calculated)	mg/L	n/a	441	408	7.8%
Total Suspended Solids	mg/L	3	40	56	33.3%
Turbidity	NTU	0.1	5.04	19.6	118.2%
Hardness (as CaCO3)	mg/L	1.3	265	259	2.3%
Anions and Nutrients					
Acidity (as CaCO3)	mg/L	5	<5.0	<5.0	< 5x of LOR
Alkalinity, Total (as CaCO3)	mg/L	5	78.9	81.7	3.5%
Bicarbonate (HCO3)	mg/L	5	96.3	99.7	3.5%
Carbonate (CO3)	mg/L	5	<5.0	<5.0	< 5x of LOR
Hydroxide (OH)	mg/L	5	<5.0	<5.0	< 5x of LOR
Chloride (Cl)	mg/L	0.5	7.03	6.44	8.8%
Fluoride (F)	mg/L	0.05	0.091	0.093	2.2%
Total Ammonia (as N)	mg/L	0.005	0.489	0.463	5.5%
Nitrate and Nitrite (as N)	mg/L	0.006	54	46.6	14.7%
Nitrate (as N)	mg/L	0.006	53.2	46	14.5%
Nitrite (as N)	mg/L	0.002	0.722	0.625	14.4%
Orthophosphate-Dissolved (as P)	mg/L	0.001	<0.0010	<0.0010	< 5x of LOR
Phosphorus (P)-Total	mg/L	0.001	0.0361	0.0443	20.4%
Sulfate (SO4)	mg/L	0.05	38.6	39.3	1.8%
Organic/Inoragnic Carbon					
Total Inorganic Carbon	mg/L	1	20.7	21.1	1.9%
Total Organic Carbon	mg/L	1	7	7.5	6.9%
Total Metals					
Aluminum (Al)-Total	mg/L	0.0002	0.122	0.0791	42.7%
Antimony (Sb)-Total	mg/L	0.000005	0.000146	0.000165	12.2%
Arsenic (As)-Total	mg/L	0.00002	0.000907	0.000775	15.7%
Barium (Ba)-Total	mg/L	0.00002	0.0772	0.0777	0.6%
Beryllium (Be)-Total	mg/L	0.000002	0.0000127	0.0000084	40.8%
Bismuth (Bi)-Total	mg/L	0.000001	0.0000045	0.0000028	46.6%
Boron (B)-Total	mg/L	0.005	0.102	0.103	1.0%
Cadmium (Cd)-Total	mg/L	0.000005	<0.000010	<0.000010	< 5x of LOR
Calcium (Ca)-Total	mg/L	0.03	63.6	62.4	1.9%
Cesium (Cs)-Total	mg/L	0.000005	0.000043	0.0000336	24.5%
Chromium (Cr)-Total	mg/L	0.00005	0.000382	0.000234	48.1%
Cobalt (Co)-Total	mg/L	0.000005	0.00448	0.00491	9.2%
Copper (Cu)-Total	mg/L	0.00005	0.00442	0.00446	0.9%
Gallium (Ga)-Total	mg/L	0.00005	<0.000050	<0.000050	< 5x of LOR
Iron (Fe)-Total	mg/L	0.01	0.365	0.303	18.6%
Lead (Pb)-Total	mg/L	0.000005	0.000324	0.000259	22.3%
Lithium (Li)-Total	mg/L	0.0002	0.00804	0.00767	4.7%
Magnesium (Mg)-Total	mg/L	0.03	29.3	28.7	2.1%
Manganese (Mn)-Total	mg/L	0.000005	0.935	1.06	12.5%
Mercury (Hg)-Total	mg/L	0.00005	<0.000050	<0.000050	< 5x of LOR
Molybdenum (Mo)-Total	mg/L	0.00001	0.01	0.00954	4.7%
Nickel (Ni)-Total	mg/L	0.00005	0.00823	0.00849	3.1%
Phosphorus (P)-Total	mg/L	0.05	<0.050	<0.050	< 5x of LOR
Potassium (K)-Total	mg/L	0.05	7.11	7.02	1.3%
Rhenium (Re)-Total	mg/L	0.000005	0.0000161	0.0000153	5.1%
Rubidium (Rb)-Total	mg/L	0.000005	0.00597	0.00579	3.1%
Selenium (Se)-Total	mg/L	0.00004	0.000513	0.000453	12.4%
Silicon (Si)-Total	mg/L	0.05	5.46	5.26	3.7%
Silver (Ag)-Total	mg/L	0.000005	<0.0000050	<0.0000050	< 5x of LOR
Sodium (Na)-Total	mg/L	0.2	14.5	14	3.5%
Strontium (Sr)-Total	mg/L	0.00001	0.325	0.319	1.9%
Tellurium (Te)-Total	mg/L	0.00001	<0.000010	<0.000010	< 5x of LOR
Thallium (Tl)-Total	mg/L	0.000001	0.0000174	0.0000163	6.5%
Thorium (Th)-Total	mg/L	0.000005	0.0000674	0.0000364	59.7%
Tin (Sn)-Total	mg/L	0.00001	<0.000010	<0.000010	< 5x of LOR
Titanium (Ti)-Total	mg/L	0.00005	0.00432	0.00233	59.8%
Tungsten (W)-Total	mg/L	0.00001	0.000199	0.000191	4.1%
Uranium (U)-Total	mg/L	0.000001	0.183	0.168	8.5%
Vanadium (V)-Total	mg/L	0.00001	0.000637	0.000584	8.7%
Yttrium (Y)-Total	mg/L	0.000005	0.000465	0.000304	41.9%
Zinc (Zn)-Total	mg/L	0.0001	0.00271	0.00324	17.8%
Zirconium (Zr)-Total	mg/L	0.00001	0.000265	0.000211	22.7%
Dissolved Metals					
Aluminum (Al)-Dissolved	mg/L	0.0002	0.0193	0.0238	20.9%
Antimony (Sb)-Dissolved	mg/L	0.000005	0.000149	0.000144	3.4%
Arsenic (As)-Dissolved	mg/L	0.00002	0.000775	0.000778	0.4%
Barium (Ba)-Dissolved	mg/L	0.00002	0.0783	0.0759	3.1%
Beryllium (Be)-Dissolved	mg/L	0.000002	0.0000056	0.0000061	8.5%
Bismuth (Bi)-Dissolved	mg/L	0.000001	<0.0000010	0.0000011	< 5x of LOR
Boron (B)-Dissolved	mg/L	0.005	0.102	0.105	2.9%
Cadmium (Cd)-Dissolved	mg/L	0.000005	<0.000010	<0.000010	< 5x of LOR
Calcium (Ca)-Dissolved	mg/L	0.03	63.6	63.2	0.6%
Cesium (Cs)-Dissolved	mg/L	0.000005	0.0000244	0.0000245	0.4%
Chromium (Cr)-Dissolved	mg/L	0.00005	0.00013	0.000151	14.9%
Cobalt (Co)-Dissolved	mg/L	0.000005	0.00405	0.00419	3.4%
Copper (Cu)-Dissolved	mg/L	0.00005	0.00359	0.00364	1.4%
Gallium (Ga)-Dissolved	mg/L	0.00005	<0.000050	<0.000050	< 5x of LOR
Iron (Fe)-Dissolved	mg/L	0.01	0.213	0.228	6.8%
Lead (Pb)-Dissolved	mg/L	0.000005	0.0000884	0.0000933	5.4%
Lithium (Li)-Dissolved	mg/L	0.0002	0.00782	0.00749	4.3%
Magnesium (Mg)-Dissolved	mg/L	0.03	29.2	28.5	2.4%
Manganese (Mn)-Dissolved	mg/L	0.000005	0.873	0.915	4.7%
Mercury (Hg)-Dissolved	mg/L	0.00005	<0.000050	<0.000050	< 5x of LOR
Molybdenum (Mo)-Dissolved	mg/L	0.00001	0.0102	0.00944	7.7%
Nickel (Ni)-Dissolved	mg/L	0.00005	0.00707	0.00729	3.1%
Phosphorus (P)-Dissolved	mg/L	0.05	<0.050	<0.050	< 5x of LOR
Potassium (K)-Dissolved	mg/L	0.05	7.01	7.03	0.3%
Rhenium (Re)-Dissolved	mg/L	0.000005	0.0000159	0.0000153	3.8%
Rubidium (Rb)-Dissolved	mg/L	0.000005	0.00561	0.00556	0.9%
Selenium (Se)-Dissolved	mg/L	0.00004	0.000389	0.000461	16.9%
Silicon (Si)-Dissolved	mg/L	0.05	5.09	5.09	0.0%
Silver (Ag)-Dissolved	mg/L	0.000005	<0.0000050	<0.0000050	< 5x of LOR
Sodium (Na)-Dissolved	mg/L	0.2	14.3	14.1	1.4%
Strontium (Sr)-Dissolved	mg/L	0.00001	0.321	0.31	3.5%
Tellurium (Te)-Dissolved	mg/L	0.00001	<0.000010	<0.000010	< 5x of LOR
Thallium (Tl)-Dissolved	mg/L	0.000001	0.0000162	0.0000163	0.6%
Thorium (Th)-Dissolved	mg/L	0.000005	0.0000289	0.000029	0.3%
Tin (Sn)-Dissolved	mg/L	0.00001	<0.000010	<0.000010	< 5x of LOR
Titanium (Ti)-Dissolved	mg/L	0.00005	0.000432	0.000425	1.6%
Tungsten (W)-Dissolved	mg/L	0.00001	0.000204	0.000192	6.1%
Uranium (U)-Dissolved	mg/L	0.000001	0.182	0.166	9.2%
Vanadium (V)-Dissolved	mg/L	0.00001	0.0004	0.000415	3.7%
Yttrium (Y)-Dissolved	mg/L	0.000005	0.000215	0.000227	5.4%
Zinc (Zn)-Dissolved	mg/L	0.0001	0.00264	0.00311	16.3%
Zirconium (Zr)-Dissolved	mg/L	0.00001	0.000132	0.00015	12.8%
Note:					
1. LOR - Limit of Reporting					
2. Relative Percent Difference is highlighted in yellow if the value is larger than 15%					

Table 4: Comparison with the 2006 Seepage Survey Results

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Analyte	Unit			JER-SPG-01D	JER-SPG-02A	Seep-05	JER-SPG-08A	JER-SPG-08B	Seep-13
				L1059935-5	L1059935-6	06-9507	L1059935-7	L1059935-8	06-9508
				9/14/2011	9/14/2011	7/25/2006	9/14/2011	9/14/2011	7/25/2006
		NWB-WL ⁽³⁾ Max. Avg	NWB-WL ⁽³⁾ Max. Grab						
Physical Parameter									
pH (Lab)	pH	6 - 8.8	6 - 8.8	8.05	8.12	7.9	8.03	8.06	7.31
Conductivity (EC)	uS/cm	-	-	1240	793	921	349	251	236
Total Dissolved Solids (Calculated)	mg/L	2,000	4,000	911	529	616	213	139	212
Total Suspended Solids	mg/L	15	25	45	237	4	7	<3.0	21
Turbidity	NTU	-	-	33.4	231	8	3.62	0.72	11
Hardness (as CaCO3)	mg/L	-	-	513	331	348	130	104	93.4
Ion Balance (Calculated)	%	-	-	90	95.4	0.92	95.8	105	1.08
Anions and Nutrients									
Acidity (as CaCO3)	mg/L	-	-	<5.0	<5.0	4	<5.0	<5.0	19
Alkalinity, Total (as CaCO3)	mg/L	-	-	73.4	117	86	67.3	85.9	77
Bicarbonate (HCO3)	mg/L	-	-	89.5	143	105	82.1	105	94
Carbonate (CO3)	mg/L	-	-	<5.0	<5.0	<1	<5.0	<5.0	<1
Hydroxide (OH)	mg/L	-	-	<5.0	<5.0	<1	<5.0	<5.0	<1
Chloride (Cl)	mg/L	500	1,000	7.17	10.5	56.6	8.38	4.52	18.6
Fluoride (F)	mg/L	-	-	0.088	<0.050	0.22	0.057	0.104	0.05
Total Ammonia (as N)	mg/L	6	12	2.25	0.205	2.23	0.306	<0.0050	1.04
Nitrate (as N)	mg/L	28	56	125	58	65.9	12	3.26	<0.05
Nitrite (as N)	mg/L	2.5	5.0	0.669	0.054	1.89	0.056	<0.0020	1.91
Orthophosphate-Dissolved (as P)	mg/L	-	-	<0.0010	0.0656	<0.20	0.0018	<0.0010	<0.20
Phosphorus (P)-Total	mg/L	0.2	0.4	0.0115	0.176	-	0.0473	0.008	-
Sulfate (SO4)	mg/L	-	-	102	54.6	41	50.2	18.9	4.9
Organic/Inoragnc Carbon									
Total Inorganic Carbon	mg/L	-	-	18.4	29.8	9	16.7	22.3	35.1
Total Organic Carbon	mg/L	-	-	3.4	10.5	12.3	13.5	6	23.8
Dissolved Metals									
Aluminum (Al)-Dissolved	mg/L	1.0	2.0	0.00256	0.00818	0.015	0.044	0.0148	0.226
Antimony (Sb)-Dissolved	mg/L	-	-	0.000162	0.000338	0.00072	0.000164	0.00085	0.00023
Arsenic (As)-Dissolved	mg/L	0.05	0.10	0.000762	0.000979	0.0018	0.000587	0.000357	0.0015
Barium (Ba)-Dissolved	mg/L	-	-	0.064	0.0979	0.194	0.0417	0.0255	0.0624
Beryllium (Be)-Dissolved	mg/L	-	-	<0.0000020	0.0000026	<0.0001	0.0000068	0.0000047	<0.0001
Boron (B)-Dissolved	mg/L	-	-	0.112	0.0535	0.029	0.047	0.036	0.017
Cadmium (Cd)-Dissolved	mg/L	0.0012	0.0024	<0.000010	0.000108	<0.00005	<0.0000050	<0.0000050	0.00008
Calcium (Ca)-Dissolved	mg/L	-	-	129	84.2	80.3	29.4	24.4	22.9
Chromium (Cr)-Dissolved	mg/L	0.087	0.17	<0.000050	0.000121	0.0099	0.000275	0.00018	0.0087
Cobalt (Co)-Dissolved	mg/L	-	-	0.0014	0.0021	0.00113	0.000955	0.000149	0.0193
Copper (Cu)-Dissolved	mg/L	0.02	0.04	0.00821	0.012	0.0032	0.00452	0.00515	0.0147
Iron (Fe)-Dissolved	mg/L	-	-	<0.010	0.022	<0.10	0.062	0.033	<0.10
Lead (Pb)-Dissolved	mg/L	0.01	0.02	<0.0000050	0.00047	<0.00005	0.0000944	0.0000592	0.00035
Lithium (Li)-Dissolved	mg/L	-	-	0.011	0.00367	0.0094	0.00392	0.00271	<0.0010
Magnesium (Mg)-Dissolved	mg/L	-	-	56.1	34	0.187	15.3	9.88	0.049
Manganese (Mn)-Dissolved	mg/L	-	-	0.699	0.34	35.7	0.425	0.00134	8.8
Mercury (Hg)-Dissolved	mg/L	-	-	<0.000050	<0.000050	<0.00005	<0.000050	<0.000050	<0.00005
Molybdenum (Mo)-Dissolved	mg/L	0.73	1.50	0.00588	0.00301	0.0329	0.00687	0.00405	0.0074
Nickel (Ni)-Dissolved	mg/L	0.05	0.10	0.00803	0.0282	0.00494	0.00962	0.00219	0.00718
Phosphorus (P)-Dissolved	mg/L	-	-	<0.050	0.067	0.022	<0.050	<0.050	0.107
Potassium (K)-Dissolved	mg/L	-	-	11.7	8.14	8.1	4.63	4.42	1.4
Selenium (Se)-Dissolved	mg/L	-	-	0.00265	0.000329	0.0017	0.000416	0.000171	0.0006
Silicon (Si)-Dissolved	mg/L	-	-	4.36	4.82	4.2	4.88	3.52	14.6
Silver (Ag)-Dissolved	mg/L	-	-	<0.0000050	<0.0000050	<0.00005	<0.0000050	<0.0000050	<0.00005
Sodium (Na)-Dissolved	mg/L	-	-	17	16.5	27	14.2	9.15	13.4
Strontium (Sr)-Dissolved	mg/L	-	-	0.414	0.328	0.206	0.124	0.0961	0.0807
Thallium (Tl)-Dissolved	mg/L	-	-	0.0000272	0.0000241	<0.00005	0.0000111	0.0000037	<0.00005
Tin (Sn)-Dissolved	mg/L	-	-	<0.000010	<0.000010	0.0028	<0.000010	<0.000010	<0.0001
Titanium (Ti)-Dissolved	mg/L	-	-	<0.000050	0.000187	0.002	0.000772	0.000341	0.0024
Uranium (U)-Dissolved	mg/L	0.5	1.0	0.121	0.0259	0.101	0.0804	0.0426	0.00674
Vanadium (V)-Dissolved	mg/L	-	-	0.00182	0.000774	0.0047	0.000483	0.000273	0.0052
Zinc (Zn)-Dissolved	mg/L	0.25	0.50	0.00027	0.00193	0.001	0.00085	0.00064	0.007
Note:									
1. NWB-WL - Criteria taken from Jericho Diamond Mine Water Licence (Licence No. 2AM-JER0410), Part G, Item 6a. by Nunavut Water Board (NWB), December 2004									
2. Values exceeding the NWB-WL Maximum Average Concentration limits are highlighted in ORANGE ; values exceeding the NWB-WL Maximum Grab Concentration limits are BOLD and UNDERLINED .									