MEMORANDUM **(LABORATORY DATA REPORT)**

SHAW ENVIRONMENTAL AND INFRASTRUCTURE, INC.

Contract No. EP-C-08-034

In reply refer to: 10-SM196
10-AG33

To: Mary Sue McNeil
Cindy Paul

From: Steve Markham
Andrew Greenwood

Lab: Metals

Thru: Sujith Kumar

Date: 10/20/10

Technical Directive No.: 7ME708DW
Task No.: 23993

Originator: Rick Wilkin
Copies: R. Wilkin
D. Digiulio
S. Markham

Sample Site/Project: Pavillion Groundwater
Date Collected: 10/5 to 10/7/10
Date Received: 10/8/10
Date Analyzed: 10//11/10
No. Samples Analyzed: 9

Shaw Sample Set No.: 5763
Sample Matrix: Aqueous
Analysis Type: ICP-OES
Sample Preparation: NA

Method(s) Used : RSKSOP-213 Rev. 4 Standard Operating Procedure for Operation of Perkin Elmer Optima 3300DV ICP

Comments:

No problems noted. All QC results met criteria established in RSKSOP 213(4). The MDL's and QL's represent those determined in September 2010, but not yet updated in RSKSOP-21 3(4).

Shaw Environmental and Infrastructure, Inc.

Analytical Service Results Report

Laboratory: Metals

Report Date: 10/20/10

Technical Directive: 7ME708DW

Analysts: S.Markham/A.Greenwood

Method: RSKSOP 213(4)

Sample Results (1, 2)

Field Sample ID	RD01 (P)	RD01 (P)	EPAMW01 (P)	EPAMW02 (P)	LD01 (P)	LD01 (DUP) (P)
Sample Lab ID	5763-01	5763-01 Lab Dup.	5763-02	5763-03	5763-04	5763-05
Date Collected	10/5/10	10/5/10	10/6/10	10/6/10	10/6/10	10/6/10
Date Analyzed	10/11/10	10/11/10	10/11/10	10/11/10	10/11/10	10/11/10

Analytes		Unit	MDL	QL	Data	DF	Data	DF	Data	DF	Data	DF	Data	DF	Data	DF
Names	Codes															
Silver (Ag)	7440-22-4	mg/L	0.015	0.051	ND	1	ND (RPD=NA)	1	ND	1	ND	1	ND	1	ND	1
Aluminum (Al)	7429-90-5	mg/L	0.045	0.149	ND	1	ND (RPD=NA)	1	0.422	1	0.577	1	BQL(0.068)	1	BQL(0.060)	1
Arsenic (As)	7440-38-2	mg/L	0.015	0.051	ND	1	ND (RPD=NA)	1	ND	1	ND	1	ND	1	ND	1
Boron (B)	7440-42-8	mg/L	0.006	0.018	0.107	1	0.107 (RPD=0.00)	1	0.154	1	0.103	1	0.171	1	0.171	1
Barium (Ba)	7440-39-3	mg/L	0.001	0.004	0.007	1	0.007 (RPD=0.00)	1	0.041	1	0.210	1	0.010	1	0.010	1
Beryllium (Be)	7440-41-7	mg/L	0.001	0.004	ND	1	ND (RPD=NA)	1	ND	1	ND	1	BQL(0.001)	1	ND	1
Calcium (Ca)	7440-70-2	mg/L	0.007	0.023	4.31	1	4.30 (RPD=0.23)	1	15.6	1	73.3	1	71.9	1	71.9	1
Cadmium (Cd)	7440-43-9	mg/L	0.001	0.004	ND	1	ND (RPD=NA)	1	ND	1	ND	1	ND	1	ND	1
Cobalt (Co)	7440-48-4	mg/L	0.001	0.004	ND	1	ND (RPD=NA)	1	ND	1	BQL(0.001)	1	ND	1	ND	1
Chromium (Cr)	7440-47-3	mg/L	0.001	0.004	ND	1	ND (RPD=NA)	1	ND	1	ND	1	ND	1	ND	1
Copper (Cu)	7440-50-8	mg/L	0.003	0.009	BQL(0.003)	1	BQL(0.003) (RPD=NA)	1	ND	1	BQL(0.008)	1	BQL(0.008)	1	ND	1
Iron (Fe)	7439-89-6	mg/L	0.019	0.063	BQL(0.056)	1	BQL(0.059) (RPD=NA)	1	ND	1	ND	1	0.221	1	0.236	1
Potassium (K)	7440-09-7	mg/L	0.038	0.127	0.200	1	0.210 (RPD=4.88)	1	54.9	1	39.5	1	1.05	1	0.973	1
Magnesium (Mg)	7439-95-4	mg/L	0.015	0.049	0.101	1	0.097 (RPD=4.04)	1	BQL(0.048)	1	BQL(0.030)	1	8.12	1	8.14	1
Manganese (Mn)	7439-96-5	mg/L	0.001	0.004	BQL(0.002)	1	BQL(0.002) (RPD=NA)	1	ND	1	ND	1	0.032	1	0.032	1
Molybdenum (Mo)	7439-98-7	mg/L	0.002	0.007	BQL(0.006)	1	0.008 (RPD=NA)	1	0.020	1	0.014	1	0.012	1	0.012	1
Sodium (Na)	7440-23-5	mg/L	0.040	0.134	208	1	209 (RPD=0.48)	1	334	1	420	1	562	1	565	1
Nickel (Ni)	7440-02-0	mg/L	0.001	0.004	ND	1	ND (RPD=NA)	1	BQL(0.001)	1	0.004	1	ND	1	ND	1
Lead (Pb)	7439-92-1	mg/L	0.003	0.011	ND	1	ND (RPD=NA)	1	ND	1	ND	1	BQL(0.005)	1	ND	1
Antimony (Sb)	7440-36-0	mg/L	0.006	0.019	ND	1	BQL(0.008) (RPD=NA)	1	BQL(0.012)	1	0.033	1	0.033	1	0.031	1
Selenium (Se)	7782-49-2	mg/L	0.005	0.016	ND	1	ND (RPD=NA)	1	ND	1	BQL(0.014)	1	BQL(0.010)	1	ND	1
Strontium (Sr)	7440-24-6	mg/L	0.001	0.004	0.069	1	0.070 (RPD=1.44)	1	0.801	1	2.02	1	1.08	1	1.08	1
Titanium (Ti)	7440-32-6	mg/L	0.001	0.004	ND	1	ND (RPD=NA)	1	ND	1	ND	1	ND	1	ND	1
Thallium (Tl)	7440-28-0	mg/L	0.011	0.037	ND	1	ND (RPD=NA)	1	ND	1	ND	1	ND	1	ND	1
Vanadium (V)	7440-62-2	mg/L	0.002	0.007	ND	1	ND (RPD=NA)	1	BQL(0.004)	1	ND	1	ND	1	ND	1
Zinc (Zn)	7440-66-6	mg/L	0.007	0.024	BQL(0.009)	1	ND (RPD=NA)	1	ND	1	BQL(0.021)	1	0.042	1	0.030	1
Silicon (Si)	7440-21-3	mg/L	0.037	0.122	4.91	1	4.91 (RPD=0.00)	1	8.02	1	3.00	1	5.82	1	5.83	1
Sulfur (S)	7704-34-9	mg/L	0.121	0.403	118	1	118 (RPD=0.00)	1	158	1	6.76	1	426	1	428	1
Phosphorus (P)	7723-14-0	mg/L	0.004	0.014	ND	1	ND (RPD=NA)	1	ND	1	ND	1	ND	1	ND	1
Uranium (U)	7440-61-1	mg/L	0.004	0.013	ND	1	ND (RPD=NA)	1	ND	1	ND	1	ND	1	ND	1

Comments:

No problems noted. The MDL's and QL's represent those determined in September 2010, but not yet updated in RSKSOP-213(4).

Notes:

1. If the parameter was detected above the quantitation limit (QL), the numeric result is reported; BQL denotes that the parameter was not detected at or above the quantitation limit; BQL ( ) denotes that the parameter was detected above the method detection limit (MDL) but below QL and the estimated numeric result is reported in parenthesis; ND denotes that the parameter was not detected at all. All the results are corrected with dilution factors (DF), if applicable. Note that the applicable MDL is given only for the case DF=1.

2. " -" denotes that the information is not available or the analyte is not analyzed.

Shaw Environmental and Infrastructure, Inc.

Analytical Service Results Report

Laboratory: Metals **Report Date:** 10/20/10

Technical Directive: 7ME708DW

Analysts: S.Markham/A.Greenwood

Method: RSKSOP 213(4)

Sample Results (1, 2)

Field Sample ID	RD01 Field Blank (F)	Trip Blank	EQ BLK (P)	LD02 (P)		
Sample Lab ID	5763-06	5763-07	5763-08	5763-09		
Date Collected	10/5/10	10/6/10	10/7/10	10/7/10		
Date Analyzed	10/11/10	10/11/10	10/11/10	10/11/10		

Analytes		Unit	MDL	QL	Data	DF	Data	DF	Data	DF	Data	DF	Data	DF	Data	DF
Names	Codes															
Silver (Ag)	7440-22-4	mg/L	0.015	0.051	ND	1	ND	1	ND	1	ND	1				
Aluminum (Al)	7429-90-5	mg/L	0.045	0.149	ND	1	ND	1	ND	1	ND	1				
Arsenic (As)	7440-38-2	mg/L	0.015	0.051	ND	1	ND	1	ND	1	ND	1				
Boron (B)	7440-42-8	mg/L	0.006	0.018	ND	1	ND	1	ND	1	0.182	1				
Barium (Ba)	7440-39-3	mg/L	0.001	0.004	ND	1	ND	1	ND	1	0.015	1				
Beryllium (Be)	7440-41-7	mg/L	0.001	0.004	ND	1	ND	1	ND	1	ND	1				
Calcium (Ca)	7440-70-2	mg/L	0.007	0.023	ND	1	ND	1	BQL(0.009)	1	25.2	1				
Cadmium (Cd)	7440-43-9	mg/L	0.001	0.004	ND	1	ND	1	ND	1	ND	1				
Cobalt (Co)	7440-48-4	mg/L	0.001	0.004	ND	1	BQL(0.001)	1	ND	1	ND	1				
Chromium (Cr)	7440-47-3	mg/L	0.001	0.004	ND	1	ND	1	ND	1	ND	1				
Copper (Cu)	7440-50-8	mg/L	0.003	0.009	ND	1	ND	1	ND	1	ND	1				
Iron (Fe)	7439-89-6	mg/L	0.019	0.063	ND	1	ND	1	ND	1	BQL(0.023)	1				
Potassium (K)	7440-09-7	mg/L	0.038	0.127	ND	1	ND	1	ND	1	0.566	1				
Magnesium (Mg)	7439-95-4	mg/L	0.015	0.049	ND	1	ND	1	BQL(0.017)	1	1.43	1				
Manganese (Mn)	7439-96-5	mg/L	0.001	0.004	ND	1	ND	1	BQL(0.001)	1	0.011	1				
Molybdenum (Mo)	7439-98-7	mg/L	0.002	0.007	ND	1	ND	1	ND	1	0.009	1				
Sodium (Na)	7440-23-5	mg/L	0.040	0.134	ND	1	ND	1	ND	1	313	1				
Nickel (Ni)	7440-02-0	mg/L	0.001	0.004	ND	1	ND	1	ND	1	ND	1				
Lead (Pb)	7439-92-1	mg/L	0.003	0.011	ND	1	ND	1	ND	1	ND	1				
Antimony (Sb)	7440-36-0	mg/L	0.006	0.019	ND	1	ND	1	ND	1	BQL(0.012)	1				
Selenium (Se)	7782-49-2	mg/L	0.005	0.016	ND	1	ND	1	ND	1	ND	1				
Strontium (Sr)	7440-24-6	mg/L	0.001	0.004	ND	1	ND	1	ND	1	0.419	1				
Titanium (Ti)	7440-32-6	mg/L	0.001	0.004	ND	1	ND	1	ND	1	ND	1				
Thallium (Tl)	7440-28-0	mg/L	0.011	0.037	ND	1	ND	1	ND	1	ND	1				
Vanadium (V)	7440-62-2	mg/L	0.002	0.007	ND	1	ND	1	ND	1	ND	1				
Zinc (Zn)	7440-66-6	mg/L	0.007	0.024	BQL(0.011)	1	ND	1	BQL(0.017)	1	ND	1				
Silicon (Si)	7440-21-3	mg/L	0.037	0.122	ND	1	BQL(0.077)	1	ND	1	6.35	1				
Sulfur (S)	7704-34-9	mg/L	0.121	0.403	1.20	1	ND	1	2.04	1	247	1				
Phosphorus (P)	7723-14-0	mg/L	0.004	0.014	ND	1	ND	1	ND	1	ND	1				
Uranium (U)	7440-61-1	mg/L	0.004	0.013	ND	1	ND	1	ND	1	ND	1				

Comments:

No problems noted. The MDL's and QL's represent those determined in September 2010, but not yet updated in RSKSOP-213(4).

Notes:

1. If the parameter was detected above the quantitation limit (QL), the numeric result is reported; BQL denotes that the parameter was not detected at or above the quantitation limit; BQL ( ) denotes that the parameter was detected above the method detection limit (MDL) but below QL and the estimated numeric result is reported in parenthesis; ND denotes that the parameter was not detected at all. All the results are corrected with dilution factors (DF), if applicable. Note that the applicable MDL is given only for the case DF=1.

2. "-" denotes that the information is not available or the analyte is not analyzed.

Shaw Environmental and Infrastructure, Inc.
Analytical Service Results Report

Laboratory: Metals **Report Date:** 10/20/10

Technical Directive: 7ME708DW

Quality Control Data Summary (1)

Analysts: S.Markham/A.Greenwood

Method: RSKSOP 213(4)

QC Sample ID	MB	MB	CCC	CCC	CCC	CCC
Additional ID	BLANK1	BLANK2	CHK STD1	CHK STD2	CHK STD3	CHK STD4
Date Prepared	10/4/10	10/4/10	9/27/10	9/27/10	3/23/10	8/24/10
Date Analyzed	10/11/10	10/11/10	10/11/10	10/11/10	10/11/10	10/11/10

Analytes																						
Names	Codes	Unit	MDL	QL	Data	True Values	% Rec.	Data	True Values	% Rec.	Data	True Values	% Rec.	Data	True Values	% Rec.	Data	True Values	% Rec.	Data	True Values	% Rec.
Silver (Ag)	7440-22-4	mg/L	0.015	0.051	ND	—	—	ND	—	—	—	—	—	—	—	—	1.97	2.00	98.5	—	—	—
Aluminum (Al)	7429-90-5	mg/L	0.045	0.149	ND	—	—	ND	—	—	—	—	—	—	—	—	1.99	2.00	99.5	—	—	—
Arsenic (As)	7440-38-2	mg/L	0.015	0.051	ND	—	—	ND	—	—	2.00	2.00	100	1.98	2.00	99.0	—	—	—	—	—	—
Boron (B)	7440-42-8	mg/L	0.006	0.018	ND	—	—	ND	—	—	—	—	—	—	—	—	2.01	2.00	100	—	—	—
Barium (Ba)	7440-39-3	mg/L	0.001	0.004	ND	—	—	ND	—	—	—	—	—	—	—	—	2.02	2.00	101	—	—	—
Beryllium (Be)	7440-41-7	mg/L	0.001	0.004	ND	—	—	ND	—	—	2.00	2.00	100	1.99	2.00	99.5	—	—	—	—	—	—
Calcium (Ca)	7440-70-2	mg/L	0.007	0.023	ND	—	—	ND	—	—	1.95	2.00	97.5	1.91	2.00	95.5	—	—	—	19.6	20.0	98.0
Cadmium (Cd)	7440-43-9	mg/L	0.001	0.004	ND	—	—	ND	—	—	2.04	2.00	102	2.00	2.00	100	—	—	—	—	—	—
Cobalt (Co)	7440-48-4	mg/L	0.001	0.004	ND	—	—	ND	—	—	2.03	2.00	102	2.00	2.00	100	—	—	—	—	—	—
Chromium (Cr)	7440-47-3	mg/L	0.001	0.004	ND	—	—	ND	—	—	2.03	2.00	102	2.00	2.00	100	—	—	—	—	—	—
Copper (Cu)	7440-50-8	mg/L	0.003	0.009	ND	—	—	BQL(0.004)	—	—	1.98	2.00	99.0	1.99	2.00	99.5	—	—	—	—	—	—
Iron (Fe)	7439-89-6	mg/L	0.019	0.063	ND			ND			2.00	2.00	100	1.96	2.00	98.0						
Potassium (K)	7440-09-7	mg/L	0.038	0.127	ND	—	—	ND	—	—	—	—	—	—	—	—	—	—	—	99.4	100	99.4
Magnesium (Mg)	7439-95-4	mg/L	0.015	0.049	ND	—	—	ND	—	—	1.90	2.00	95.0	1.85	2.00	92.5	—	—	—	19.6	20.0	98.0
Manganese (Mn)	7439-96-5	mg/L	0.001	0.004	ND	—	—	ND	—	—	2.01	2.00	100	1.99	2.00	99.5	—	—	—	—	—	—
Molybdenum (Mo)	7439-98-7	mg/L	0.002	0.007	ND	—	—	ND	—	—	2.01	2.00	100	1.99	2.00	99.5	—	—	—	—	—	—
Sodium (Na)	7440-23-5	mg/L	0.040	0.134	ND	—	—	BQL(0.119)	—	—	—	—	—	—	—	—	—	—	—	100	100	100
Nickel (Ni)	7440-02-0	mg/L	0.001	0.004	ND	—	—	ND	—	—	2.03	2.00	102	2.00	2.00	100	—	—	—	—	—	—
Lead (Pb)	7439-92-1	mg/L	0.003	0.011	ND	—	—	ND	—	—	2.03	2.00	102	2.00	2.00	100	—	—	—	—	—	—
Antimony (Sb)	7440-36-0	mg/L	0.006	0.019	ND	—	—	ND	—	—	2.00	2.00	100	1.98	2.00	99.0	—	—	—	—	—	—
Selenium (Se)	7782-49-2	mg/L	0.005	0.016	ND	—	—	ND	—	—	2.02	2.00	101	2.00	2.00	100	—	—	—	—	—	—
Strontium (Sr)	7440-24-6	mg/L	0.001	0.004	ND	—	—	ND	—	—	1.99	2.00	99.5	1.98	2.00	99.0	—	—	—	—	—	—
Titanium (Ti)	7440-32-6	mg/L	0.001	0.004	ND	—	—	ND	—	—	2.00	2.00	100	1.98	2.00	99.0	—	—	—	—	—	—
Thallium (Tl)	7440-28-0	mg/L	0.011	0.037	ND	—	—	ND	—	—	2.01	2.00	100	2.00	2.00	100	—	—	—	—	—	—
Vanadium (V)	7440-62-2	mg/L	0.002	0.007	ND	—	—	ND	—	—	2.03	2.00	102	2.01	2.00	100	—	—	—	—	—	—
Zinc (Zn)	7440-66-6	mg/L	0.007	0.024	ND	—	—	ND	—	—	2.00	2.00	100	1.95	2.00	97.5	—	—	—	—	—	—
Sillicon (Si)	7440-21-3	mg/L	0.037	0.122	ND	—	—	ND	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sulfur (S)	7704-34-9	mg/L	0.121	0.403	ND	—	—	ND	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Phosphorus (P)	7723-14-0	mg/L	0.004	0.014	BQL(0.005)	—	—	ND	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Uranium (U)	7440-61-1	mg/L	0.004	0.013	ND	—	—	ND	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Comments:

All QC results met criteria established in RSKSOP 213(4).

Notes:

1. MB - Method Blank. CCC - Continuing Calibration Check. A calibration standard analyzed within the batch of samples. LCS - Laboratory Control Spike. A laboratory blank spiked with analytes at known concentrations. MS - Matrix Spike.A field sample spiked with known concentrations of analytes. The field sample id is identified. SS - Samples obtained from the second sources are identified by their designated names. DUP - Field sample duplicate analysis. A sample selected by the lab analyst to analyze as a duplicate. It is reported in the sample result section. % REC - Percent Recovery. Calculated as the percentage of the results compared to the true value. It equals % accuracy for CCC.

Shaw Environmental and Infrastructure, Inc.
Analytical Service Results Report

Laboratory: Metals Report Date: 10/20/10

Technical Directive: 7ME708DW

Quality Control Data Summary (1)

Analysts: S.Markham/A.Greenwood

Method: RSKSOP 213(4)

QC Sample ID	CCC			CCC			SS			MS								
Additional ID	CHK STD5			CHK STD6			MQCAB			EPAMW01								
Date Prepared	10/6/10			4/12/10			3/10 & 4/1/10			10/11/10								
Date Analyzed	10/11/10			10/11/10			10/11/10			10/11/10								

Analytes		Unit	MDL	QL	Data	True Values	% Rec.	Data	True Values	% Rec.	Data	True Values	% Rec.	Data	True Values	% Rec.	Data	True Values	% Rec.	Data	True Values	% Rec.
Names	Codes																					
Silver (Ag)	7440-22-4	mg/L	0.015	0.051	—	—	—	—	—	—	0.537	0.549	97.8	—	—	—						
Aluminum (Al)	7429-90-5	mg/L	0.045	0.149	—	—	—	—	—	—	3.01	3.11	96.8	—	—	—						
Arsenic (As)	7440-38-2	mg/L	0.015	0.051	—	—	—	—	—	—	0.171	0.161	106	2.12	ND (2.00)	106						
Boron (B)	7440-42-8	mg/L	0.006	0.018	—	—	—	—	—	—	1.10	1.10	100	—	—	—						
Barium (Ba)	7440-39-3	mg/L	0.001	0.004	—	—	—	—	—	—	1.21	1.21	100	—	—	—						
Beryllium (Be)	7440-41-7	mg/L	0.001	0.004	—	—	—	—	—	—	0.518	0.505	103	2.08	ND (2.00)	104						
Calcium (Ca)	7440-70-2	mg/L	0.007	0.023	—	—	—	—	—	—	49.3	50.0	98.6	17.3	15.6 (2.00)	NA						
Cadmium (Cd)	7440-43-9	mg/L	0.001	0.004	—	—	—	—	—	—	0.656	0.641	102	2.02	ND (2.00)	101						
Cobalt (Co)	7440-48-4	mg/L	0.001	0.004	—	—	—	—	—	—	0.759	0.733	104	2.03	ND (2.00)	102						
Chromium (Cr)	7440-47-3	mg/L	0.001	0.004	—	—	—	—	—	—	0.890	0.870	102	2.04	ND (2.00)	102						
Copper (Cu)	7440-50-8	mg/L	0.003	0.009	—	—	—	—	—	—	0.841	0.833	101	2.00	ND (2.00)	100						
Iron (Fe)	7439-89-6	mg/L	0.019	0.063							0.902	0.881	102	2.05	ND (2.00)	102						
Potassium (K)	7440-09-7	mg/L	0.038	0.127	—	—	—	—	—	—	49.7	50.0	99.4	—	—	—						
Magnesium (Mg)	7439-95-4	mg/L	0.015	0.049	—	—	—	—	—	—	49.7	50.0	99.4	1.99	BQL(0.048) (2.00)	97.1						
Manganese (Mn)	7439-96-5	mg/L	0.001	0.004	—	—	—	—	—	—	0.806	0.784	103	2.02	ND (2.00)	101						
Molybdenum (Mo)	7439-98-7	mg/L	0.002	0.007	—	—	—	—	—	—	0.558	0.548	102	2.04	0.020 (2.00)	101						
Sodium (Na)	7440-23-5	mg/L	0.040	0.134	—	—	—	—	—	—	50.5	50.0	101	—	—	—						
Nickel (Ni)	7440-02-0	mg/L	0.001	0.004	—	—	—	—	—	—	0.595	0.584	102	2.06	BQL(0.001) (2.00)	103						
Lead (Pb)	7439-92-1	mg/L	0.003	0.011	—	—	—	—	—	—	0.412	0.409	101	2.09	ND (2.00)	104						
Antimony (Sb)	7440-36-0	mg/L	0.006	0.019	—	—	—	—	—	—	0.610	0.605	101	2.06	BQL(0.012) (2.00)	102						
Selenium (Se)	7782-49-2	mg/L	0.005	0.016	—	—	—	—	—	—	1.09	1.07	102	2.30	ND (2.00)	115						
Strontium (Sr)	7440-24-6	mg/L	0.001	0.004	—	—	—	—	—	—	0.101	0.100	101	2.72	0.801 (2.00)	96.0						
Titanium (Ti)	7440-32-6	mg/L	0.001	0.004	—	—	—	—	—	—	1.01	1.00	101	2.04	ND (2.00)	102						
Thallium (Ti)	7440-28-0	mg/L	0.011	0.037	—	—	—	—	—	—	0.253	0.254	99.6	2.09	ND (2.00)	104						
Vanadium (V)	7440-62-2	mg/L	0.002	0.007	—	—	—	—	—	—	0.833	0.811	103	2.09	BQL(0.004) (2.00)	104						
Zinc (Zn)	7440-66-6	mg/L	0.007	0.024	—	—	—	—	—	—	0.352	0.339	104	2.13	ND (2.00)	106						
Silicon (Si)	7440-21-3	mg/L	0.037	0.122	2.04	2.00	102	—	—	—	1.00	1.00	100	—	—	—						
Sulfur (S)	7704-34-9	mg/L	0.121	0.403	—	—	—	49.7	50.0	99.4	96.5	100	96.5	—	—	—						
Phosphorus (P)	7723-14-0	mg/L	0.004	0.014	—	—	—	20.1	20.0	100	10.0	10.0	100	—	—	—						
Uranium (U)	7440-61-1	mg/L	0.004	0.013	—	—	—	1.00	1.00	100	4.94	5.00	98.8	—	—	—						

Comments:

All QC results met criteria established in RSKSOP 213(4).

Notes:

1. MB - Method Blank. CCC - Continuing Calibration Check. A calibration standard analyzed within the batch of samples. LCS - Laboratory Control Spike. A laboratory blank spiked with analytes at known concentrations. MS - Matrix Spike.A field sample spiked with known concentrations of analytes. The field sample id is identified. SS - Samples obtained from the second sources are identified by their designated names. DUP - Field sample duplicate analysis. A sample selected by the lab analyst to analyze as a duplicate. It is reported in the sample result section. % REC - Percent Recovery. Calculated as the percentage of the results compared to the true value. It equals % accuracy for CCC.