

RECEIVED AUGUST 13, 2008

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FLUOR**Memorandum**

To: H. Hampt E6-35 Date: M4W41-SLF-08-817
 August 13, 2008

From: S. L. Fitzgerald, Manager
 WSCF Analytical Lab 

cc: w/Attachments

| | | | |
|-----------------|-------|----------------|-------|
| T. F. Dale | S3-30 | J. E. Trechter | S3-30 |
| A. J. Kopriva | S3-30 | S. J. Trent | E6-35 |
| H. K. Mezmarich | S3-30 | File/LB | |
| P. D. Mix | S3-30 | | |

Subject: FINAL RESULTS FOR SAMPLE DELIVERY GROUP WSCF20081359 – SAF NUMBER
 F06-027

Reference: (1) Groundwater Protection Program-Letter of Instruction, FH-EIS-2003-MEM-001,
 October 31, 2002

(2) HNF-SD-CD-QAPP-017, Rev. 9, Waste Sampling & Characterization Facility Quality
 Assurance Plan

This letter contains the following attachments for sample delivery group WSCF20081359:

- Cover Sheet (Attachment 1)
- Narrative (Attachment 2)
- Analytical Results (Attachment 3)
- Sample Receipt Information (Attachment 4)

SLF/grf

Attachments 4

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ATTACHMENT 1

COVER SHEET

Consisting of 2 pages
Including cover page

WSCF SAF NUMBER CROSS REFERENCE

Group#: WSCF20081359
Data Deliverable Date: 21-jul-2008
Data Deliverable: Cover Sheet

| SAF# | Sample ID | WSCF# | Matrix |
|---------|-----------|------------|--------|
| F06-027 | B1W777 | W08GR02282 | WATER |
| | B1W778 | W08GR02283 | WATER |
| | B1W779 | W08GR02284 | WATER |
| | B1W780 | W08GR02285 | WATER |
| | B1W781 | W08GR02286 | WATER |
| | B1W782 | W08GR02287 | WATER |
| | B1W783 | W08GR02288 | WATER |
| | B1W784 | W08GR02289 | WATER |
| | B1W785 | W08GR02290 | WATER |
| | B1W786 | W08GR02291 | WATER |
| | B1W787 | W08GR02292 | WATER |
| | B1W788 | W08GR02293 | WATER |
| | B1W789 | W08GR02294 | WATER |
| | B1W790 | W08GR02295 | WATER |
| | B1W791 | W08GR02296 | WATER |

M4W41-SLF-08-817

ATTACHMENT 2

NARRATIVE

Consisting of 3 pages
Including cover page

Introduction

Fifteen (15) S&GRP samples were received at the WSCF Laboratory on July 7, 2008. Samples were analyzed for the analytes indicated on the attached copy of the chain of custody (COC) form in accordance with the *Groundwater Remediation Program – Letter of Instruction*, referenced in the cover letter.

The narrative (Attachment 2) will address sample characteristics, analyses requested and general information in performance of the analytical methods. A Data Summary Report (Attachment 3) includes analytical results, a comment report detailing method abnormalities, tentatively identified peaks if applicable, method references, and Laboratory QC information as applicable. Copies of the chain of custody and sample receipt documentation are included as Attachment 4.

It should be noted that the attached chain of custody was stamped “ICED” by the WSCF Laboratory Sample Custodian during sample receiving, indicating the presence of ice in the sample container.

Analytical Methodology for Requested Analyses

Refer to *WSCF Method References Report*, page 11, for a complete listing of approved analytical methods.

Inorganic Comments

Anions – Hold time requirements for this analysis were met. A Duplicate, Matrix Spike, Matrix Spike Duplicate, Blank and Laboratory Control Sample were analyzed with this delivery group per GRP Letter of Instruction. See pages 42 through 53 for QC details. Analytical Note(s):

- Duplicates, Matrix Spikes and Matrix Spike Duplicates were analyzed on samples B1VX41, B1VX48, B1VX43 and B1W760 (SDG# 20081356, SAF# F06-027); B1VWV7 (SDG# 20081350, SAF# F06-027); and, B1W785, B1W786 and B1W790 of this SDG.
- Sample results were D flagged if dilution(s) were required.
- Sample results that were less than the reportable limit, however greater than the method detection limit, were B flagged.
- Batch QC - B1W785 – Matrix Spike and Matrix Spike recoveries for Chloride were less than established laboratory limits. Affected sample results were N flagged.
- Batch QC- B1VX43 – Duplicate Relative Percent Difference (RPD) for Phosphate-P slightly exceeded established laboratory limits. No flags issued.

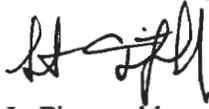
All other QC controls are within the established limits.

ICP-AES Metals – The hold time requirements for this analysis were met. A Matrix Spike, Matrix Spike Duplicate, Blank and Laboratory Control Sample were analyzed with this delivery group per the GRP Letter of Instruction. See pages 54 through 57 for QC details. Analytical Note(s):

- Matrix Spike and Matrix Spike Duplicate were analyzed on sample# B1W759 (SDG# 20081356, SAF# F06-027).
- Sample results were D flagged if dilution(s) were required.
- Magnesium – Matrix Spike and Matrix Spike Duplicate recoveries exceeded established laboratory limits. Affected sample results were N flagged.
- Calcium and Sodium sample concentrations exceeded spiking levels by a factor of 4. Spike recoveries are not valid. Check and high standards were analyzed to ensure linearity, because sample results exceeded the calibration standard.

All other QC controls are within the established limits.

I certify that this data package is in compliance with the LOI, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the Laboratory Analytical Manager and Client Services as verified by the following signatures.



Scot L. Fitzgerald
WSCF Analytical Laboratory Manager



Pauline D. Mix
WSCF Client Services

M4W41-SLF-08-817

ATTACHMENT 3

ANALYTICAL RESULTS

Consisting of 52 pages
Including cover page

**WSCF
ANALYTICAL RESULTS REPORT**

**for
Groundwater Remediation Program**

Richland, WA 99354

Attention: Steve Trent

Analytical:

S. Fitzgerald 8/12/08

Client Services:

P.D. Mix 8/12/2008

All results are reported on an "as received" basis unless otherwise noted in the comment section.

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Contract#: FH-EIS-2003-MEM-001
Report#: WSCF20081359
Report Date: 12-aug-2008
Report WGPP/ver. 5.2
Groundwater Remediation Program

Department: Inorganic

W13q Worklist/Batch/QC Report for Group# WSCF20081359

| WL# | S# | Batch | QC# | Tray Type | Sample# | Test |
|-------|----|-------|-------|-----------|------------|------------------------------|
| 37016 | 2 | 37436 | 41789 | BLANK | | Anions by Ion Chromatography |
| 37016 | 14 | 37436 | 41789 | BLANK | | Anions by Ion Chromatography |
| 37016 | 3 | 37436 | 41789 | LCS | | Anions by Ion Chromatography |
| 37016 | 8 | 37436 | 41789 | SAMPLE | W08GR02287 | Anions by Ion Chromatography |
| 37016 | 9 | 37436 | 41789 | SAMPLE | W08GR02289 | Anions by Ion Chromatography |
| 37016 | 5 | 37436 | 41789 | DUP | W08GR02290 | Anions by Ion Chromatography |
| 37016 | 6 | 37436 | 41789 | MS | W08GR02290 | Anions by Ion Chromatography |
| 37016 | 7 | 37436 | 41789 | MSD | W08GR02290 | Anions by Ion Chromatography |
| 37016 | 4 | 37436 | 41789 | SAMPLE | W08GR02290 | Anions by Ion Chromatography |
| 37016 | 7 | 37436 | 41789 | SPK-RPD | W08GR02290 | Anions by Ion Chromatography |
| 37016 | 10 | 37436 | 41789 | SAMPLE | W08GR02292 | Anions by Ion Chromatography |
| 37016 | 11 | 37436 | 41789 | SAMPLE | W08GR02294 | Anions by Ion Chromatography |
| 37015 | 2 | 37437 | 41790 | BLANK | | Anions by Ion Chromatography |
| 37015 | 13 | 37437 | 41790 | BLANK | | Anions by Ion Chromatography |
| 37015 | 25 | 37437 | 41790 | BLANK | | Anions by Ion Chromatography |
| 37015 | 3 | 37437 | 41790 | LCS | | Anions by Ion Chromatography |
| 37015 | 14 | 37437 | 41790 | LCS | | Anions by Ion Chromatography |
| 37015 | 5 | 37437 | 41790 | DUP | W08GR02248 | Anions by Ion Chromatography |
| 37015 | 6 | 37437 | 41790 | MS | W08GR02248 | Anions by Ion Chromatography |
| 37015 | 7 | 37437 | 41790 | MSD | W08GR02248 | Anions by Ion Chromatography |
| 37015 | 7 | 37437 | 41790 | SPK-RPD | W08GR02248 | Anions by Ion Chromatography |
| 37015 | 16 | 37437 | 41790 | DUP | W08GR02255 | Anions by Ion Chromatography |
| 37015 | 17 | 37437 | 41790 | MS | W08GR02255 | Anions by Ion Chromatography |
| 37015 | 18 | 37437 | 41790 | MSD | W08GR02255 | Anions by Ion Chromatography |
| 37015 | 18 | 37437 | 41790 | SPK-RPD | W08GR02255 | Anions by Ion Chromatography |
| 37015 | 24 | 37437 | 41790 | SAMPLE | W08GR02282 | Anions by Ion Chromatography |
| 37014 | 2 | 37435 | 41794 | BLANK | | Anions by Ion Chromatography |
| 37014 | 12 | 37435 | 41794 | BLANK | | Anions by Ion Chromatography |
| 37014 | 3 | 37435 | 41794 | LCS | | Anions by Ion Chromatography |
| 37014 | 8 | 37435 | 41794 | SAMPLE | W08GR02288 | Anions by Ion Chromatography |
| 37014 | 5 | 37435 | 41794 | DUP | W08GR02291 | Anions by Ion Chromatography |
| 37014 | 6 | 37435 | 41794 | MS | W08GR02291 | Anions by Ion Chromatography |
| 37014 | 7 | 37435 | 41794 | MSD | W08GR02291 | Anions by Ion Chromatography |
| 37014 | 4 | 37435 | 41794 | SAMPLE | W08GR02291 | Anions by Ion Chromatography |
| 37014 | 7 | 37435 | 41794 | SPK-RPD | W08GR02291 | Anions by Ion Chromatography |
| 37014 | 9 | 37435 | 41794 | SAMPLE | W08GR02293 | Anions by Ion Chromatography |
| 37014 | 10 | 37435 | 41794 | SAMPLE | W08GR02296 | Anions by Ion Chromatography |
| 37013 | 2 | 37438 | 41795 | BLANK | | Anions by Ion Chromatography |
| 37013 | 13 | 37438 | 41795 | BLANK | | Anions by Ion Chromatography |
| 37013 | 25 | 37438 | 41795 | BLANK | | Anions by Ion Chromatography |
| 37013 | 3 | 37438 | 41795 | LCS | | Anions by Ion Chromatography |
| 37013 | 14 | 37438 | 41795 | LCS | | Anions by Ion Chromatography |
| 37013 | 5 | 37438 | 41795 | DUP | W08GR02250 | Anions by Ion Chromatography |
| 37013 | 6 | 37438 | 41795 | MS | W08GR02250 | Anions by Ion Chromatography |
| 37013 | 7 | 37438 | 41795 | MSD | W08GR02250 | Anions by Ion Chromatography |
| 37013 | 7 | 37438 | 41795 | SPK-RPD | W08GR02250 | Anions by Ion Chromatography |
| 37013 | 16 | 37438 | 41795 | DUP | W08GR02264 | Anions by Ion Chromatography |
| 37013 | 17 | 37438 | 41795 | MS | W08GR02264 | Anions by Ion Chromatography |
| 37013 | 18 | 37438 | 41795 | MSD | W08GR02264 | Anions by Ion Chromatography |

| | | | | | | |
|-------|----|-------|-------|---------|------------|--------------------------------|
| 37013 | 18 | 37438 | 41795 | SPK-RPD | W08GR02264 | Anions by Ion Chromatography |
| 37013 | 21 | 37438 | 41795 | SAMPLE | W08GR02283 | Anions by Ion Chromatography |
| 37013 | 22 | 37438 | 41795 | SAMPLE | W08GR02284 | Anions by Ion Chromatography |
| 37013 | 23 | 37438 | 41795 | SAMPLE | W08GR02285 | Anions by Ion Chromatography |
| 37013 | 24 | 37438 | 41795 | SAMPLE | W08GR02286 | Anions by Ion Chromatography |
| 37048 | 2 | 37483 | 41844 | BLANK | | Anions by Ion Chromatography |
| 37048 | 13 | 37483 | 41844 | BLANK | | Anions by Ion Chromatography |
| 37048 | 24 | 37483 | 41844 | BLANK | | Anions by Ion Chromatography |
| 37048 | 3 | 37483 | 41844 | LCS | | Anions by Ion Chromatography |
| 37048 | 14 | 37483 | 41844 | LCS | | Anions by Ion Chromatography |
| 37048 | 16 | 37483 | 41844 | DUP | W08GR02131 | Anions by Ion Chromatography |
| 37048 | 17 | 37483 | 41844 | MS | W08GR02131 | Anions by Ion Chromatography |
| 37048 | 18 | 37483 | 41844 | MSD | W08GR02131 | Anions by Ion Chromatography |
| 37048 | 18 | 37483 | 41844 | SPK-RPD | W08GR02131 | Anions by Ion Chromatography |
| 37048 | 5 | 37483 | 41844 | DUP | W08GR02295 | Anions by Ion Chromatography |
| 37048 | 6 | 37483 | 41844 | MS | W08GR02295 | Anions by Ion Chromatography |
| 37048 | 7 | 37483 | 41844 | MSD | W08GR02295 | Anions by Ion Chromatography |
| 37048 | 4 | 37483 | 41844 | SAMPLE | W08GR02295 | Anions by Ion Chromatography |
| 37048 | 7 | 37483 | 41844 | SPK-RPD | W08GR02295 | Anions by Ion Chromatography |
| 37343 | 1 | 37773 | 42196 | BLANK | | ICP Metals Analysis, Grd H20 P |
| 37343 | 2 | 37773 | 42196 | LCS | | ICP Metals Analysis, Grd H20 P |
| 37343 | 4 | 37773 | 42196 | MS | W08GR02263 | ICP Metals Analysis, Grd H20 P |
| 37343 | 5 | 37773 | 42196 | MSD | W08GR02263 | ICP Metals Analysis, Grd H20 P |
| 37343 | 5 | 37773 | 42196 | SPK-RPD | W08GR02263 | ICP Metals Analysis, Grd H20 P |
| 37343 | 9 | 37773 | 42196 | SAMPLE | W08GR02282 | ICP Metals Analysis, Grd H20 P |
| 37343 | 10 | 37773 | 42196 | SAMPLE | W08GR02283 | ICP Metals Analysis, Grd H20 P |
| 37343 | 11 | 37773 | 42196 | SAMPLE | W08GR02284 | ICP Metals Analysis, Grd H20 P |
| 37343 | 12 | 37773 | 42196 | SAMPLE | W08GR02285 | ICP Metals Analysis, Grd H20 P |
| 37343 | 13 | 37773 | 42196 | SAMPLE | W08GR02286 | ICP Metals Analysis, Grd H20 P |
| 37343 | 14 | 37773 | 42196 | SAMPLE | W08GR02287 | ICP Metals Analysis, Grd H20 P |
| 37343 | 15 | 37773 | 42196 | SAMPLE | W08GR02288 | ICP Metals Analysis, Grd H20 P |
| 37343 | 16 | 37773 | 42196 | SAMPLE | W08GR02289 | ICP Metals Analysis, Grd H20 P |
| 37343 | 17 | 37773 | 42196 | SAMPLE | W08GR02290 | ICP Metals Analysis, Grd H20 P |
| 37343 | 18 | 37773 | 42196 | SAMPLE | W08GR02291 | ICP Metals Analysis, Grd H20 P |
| 37343 | 19 | 37773 | 42196 | SAMPLE | W08GR02292 | ICP Metals Analysis, Grd H20 P |
| 37343 | 20 | 37773 | 42196 | SAMPLE | W08GR02293 | ICP Metals Analysis, Grd H20 P |
| 37343 | 21 | 37773 | 42196 | SAMPLE | W08GR02294 | ICP Metals Analysis, Grd H20 P |
| 37343 | 22 | 37773 | 42196 | SAMPLE | W08GR02295 | ICP Metals Analysis, Grd H20 P |
| 37343 | 23 | 37773 | 42196 | SAMPLE | W08GR02296 | ICP Metals Analysis, Grd H20 P |

WSCF

METHOD REFERENCES REPORT

Department: Inorganic

The results provided in this report were generated using the following WSCF Laboratory procedures. For your convenience, this table provides a listing of the regulatory or industry methods that are referenced by each of these WSCF procedures. Please note that the most recent version of the regulatory or industry method is listed here even though the WSCF procedure may reference an older version of the method. Also, a reference to a regulatory or industry method here does not necessarily indicate a verbatim implementation of that method.

| | |
|-------------------|---|
| LA-505-411 | LA-505-411: ELEMENTAL ANALYSIS BY INDUCTIVELY COUPLED PLASMA ATOMIC EMISSION SPE HEIS 6010_METALS_ICP Inductively Coupled Plasma-Atomic Emission Spectrometry |
| LA-533-410 | LA-533-410: ANION ANALYSIS BY ION CHROMATOGRAPHY EPA-600/R-94-111 300.0 DETERMINATION OF INORGANIC ANIONS BY ION CHROMATOGRAPHY HEIS 300.0_ANIONS_IC Determination of Inorganic Anions by Ion Chromatography |

Note: A complete list of WSCF analytical procedures and referenced regulatory or industry methods is available online at <http://www2.rl.gov/phmc/as-dol>.

Report Date: 12-aug-2008
Report#: WSCF20081359
Report WGPPM/5.2

Page 1

WSCF ANALYTICAL RESULTS REPORT

Attention: Steve Trent
SAF Number: F06-027
Sample # W08GR02282
Client ID: B1W777

**TRENT
WSCF**

Matrix: WATER

Group #: WSCF20081359
Department: Inorganic
Sampled: 07/07/08
Received: 07/07/08

| Test Performed | CAS # | Method | RQ | Result | Unit | TP Err | Unit | DF | MDL | PQL | Analysis Date |
|--|------------|------------|----|----------|------|--------|------|-----------|---------|-----|-----------------|
| Anions by Ion Chromatography | | | | | | | | | | | |
| Fluoride | 16984-48-8 | LA-533-410 | DU | < 0.693 | mg/L | | | 33.00 | 0.69 | | 07/08/08 |
| Chloride | 16887-00-6 | LA-533-410 | D | 658 | mg/L | | | 2.01e+002 | 22 | | 07/08/08 |
| Nitrogen in Nitrite | NO2-N | LA-533-410 | DU | < 0.327 | mg/L | | | 33.00 | 0.33 | | 07/08/08 |
| Nitrogen in Nitrate | NO3-N | LA-533-410 | DU | < 1.19 | mg/L | | | 33.00 | 1.2 | | 07/08/08 |
| Phosphate (P) by IC | PO4-P | LA-533-410 | D | 1.57e+03 | mg/L | | | 2.01e+002 | 6.4 | | 07/08/08 |
| Sulfate | 14808-79-8 | LA-533-410 | BD | 22.0 | mg/L | | | 33.00 | 2.5 | | 07/08/08 |
| ICP Metals Analysis, Grd H2O P Prep | | | | | | | | | | | 07/25/08 |
| ICP Metals Analysis, Grd H2O P | | | | | | | | | | | |
| Aluminum | 7429-90-5 | LA-505-411 | DU | < 260 | ug/L | | | 5.00 | 2.6e+02 | | 08/04/08 |
| Iron | 7439-89-6 | LA-505-411 | DU | < 125 | ug/L | | | 5.00 | 1.2e+02 | | 08/04/08 |
| Magnesium | 7439-95-4 | LA-505-411 | DN | 8.93e+03 | ug/L | | | 5.00 | 2.5e+02 | | 08/04/08 |
| Manganese | 7439-96-5 | LA-505-411 | DU | < 20.0 | ug/L | | | 5.00 | 20 | | 08/04/08 |
| Nickel | 7440-02-0 | LA-505-411 | DU | < 20.0 | ug/L | | | 5.00 | 20 | | 08/04/08 |
| Potassium | 7440-09-7 | LA-505-411 | D | 2.56e+04 | ug/L | | | 5.00 | 8.5e+02 | | 08/04/08 |
| Silver | 7440-22-4 | LA-505-411 | DU | < 25.0 | ug/L | | | 5.00 | 25 | | 08/04/08 |
| Sodium | 7440-23-5 | LA-505-411 | D | 5.01e+06 | ug/L | | | 50.00 | 2.6e+03 | | 08/11/08 |
| Antimony | 7440-36-0 | LA-505-411 | DU | < 280 | ug/L | | | 5.00 | 2.8e+02 | | 08/04/08 |
| Barium | 7440-39-3 | LA-505-411 | DU | < 20.0 | ug/L | | | 5.00 | 20 | | 08/04/08 |
| Cadmium | 7440-43-9 | LA-505-411 | DU | < 20.0 | ug/L | | | 5.00 | 20 | | 08/04/08 |
| Chromium | 7440-47-3 | LA-505-411 | DU | < 65.0 | ug/L | | | 5.00 | 65 | | 08/04/08 |
| Cobalt | 7440-48-4 | LA-505-411 | DU | < 20.0 | ug/L | | | 5.00 | 20 | | 08/04/08 |
| Copper | 7440-50-8 | LA-505-411 | DU | < 30.0 | ug/L | | | 5.00 | 30 | | 08/04/08 |
| Vanadium | 7440-62-2 | LA-505-411 | DU | < 60.0 | ug/L | | | 5.00 | 60 | | 08/04/08 |
| Zinc | 7440-66-6 | LA-505-411 | DU | < 45.0 | ug/L | | | 5.00 | 45 | | 08/04/08 |

MDL = Minimum Detection Limit

RQ = Result Qualifier

TP Err = Total Propagated Error

DF = Dilution Factor

* - Indicates results that have NOT been validated;

+ - Indicates more than six qualifier symbols

B - The analyte < the RD L but > = the IDL/MDL (inorg)

D - Analyte was identified at a secondary dilution factor(inorg)

U - Analyzed for but not detected above limiting criteria(inorg)

D - Analyte was identified at a secondary dilution factor

N - Spike sample recovery is outside control limits.(inorg)

WSCF

ANALYTICAL RESULTS REPORT

Attention: Steve Trent
SAF Number: F06-027
Sample # W08GR02282
Client ID: B1W777

TRENT
 WSCF

Matrix: WATER

Group #: WSCF20081359
Department: Inorganic
Sampled: 07/07/08
Received: 07/07/08

| Test Performed | CAS # | Method | RQ | Result | Unit | TP Err | Unit | DF | MDL | PQL | Analysis Date |
|----------------|-----------|------------|----|----------|------|--------|------|------|---------|-----|---------------|
| Calcium | 7440-70-2 | LA-505-411 | D | 3.14e+04 | ug/L | | | 5.00 | 3.6e+02 | | 08/04/08 |
| Lead | 7439-92-1 | LA-505-411 | DU | < 225 | ug/L | | | 5.00 | 2.2e+02 | | 08/04/08 |
| Molybdenum | 7439-98-7 | LA-505-411 | DU | < 25.0 | ug/L | | | 5.00 | 25 | | 08/04/08 |
| Strontium | 7440-24-6 | LA-505-411 | D | 1.02e+03 | ug/L | | | 5.00 | 20 | | 08/04/08 |
| Arsenic | 7440-38-2 | LA-505-411 | DU | < 390 | ug/L | | | 5.00 | 3.9e+02 | | 08/04/08 |

MDL=Minimum Detection Limit
RQ=Result Qualifier
TP Err=Total Propagated Error
DF=Dilution Factor

B - The analyte < the RDL but > = the IDL/MDL (inorg)
 D - Analyte was identified at a secondary dilution factor(inorg)
 U - Analyzed for but not detected above limiting criteria(inorg)

D - Analyte was identified at a secondary dilution factor
 N - Spike sample recovery is outside control limits.(inorg)

* - Indicates results that have NOT been validated; + - Indicates more than six qualifier symbols

Report WGPP/ver. 5.2
 Groundwater Remediation Program

WSCF

ANALYTICAL RESULTS REPORT

Attention: Steve Trent
SAF Number: F06-027
Sample # W08GR02283
Client ID: B1W778

TRENT
WSCF

Matrix: WATER

Group #: WSCF20081359
Department: Inorganic
Sampled: 07/07/08
Received: 07/07/08

| Test Performed | CAS # | Method | RQ | Result | Unit | TP Err | Unit | DF | MDL | PQL | Analysis Date |
|--|------------|------------|----|----------|------|--------|------|-----------|---------|-----|-----------------|
| Anions by Ion Chromatography | | | | | | | | | | | |
| Fluoride | 16984-48-8 | LA-533-410 | DU | < 0.420 | mg/L | | | 20.00 | 0.42 | | 07/08/08 |
| Chloride | 16887-00-6 | LA-533-410 | D | 290 | mg/L | | | 1.01e+002 | 11 | | 07/08/08 |
| Nitrogen in Nitrite | NO2-N | LA-533-410 | DU | < 0.198 | mg/L | | | 20.00 | 0.20 | | 07/08/08 |
| Nitrogen in Nitrate | NO3-N | LA-533-410 | DU | < 0.720 | mg/L | | | 20.00 | 0.72 | | 07/08/08 |
| Phosphate (P) by IC | PO4-P | LA-533-410 | D | 895 | mg/L | | | 1.01e+002 | 3.2 | | 07/08/08 |
| Sulfate | 14808-79-8 | LA-533-410 | BD | 14.1 | mg/L | | | 20.00 | 1.5 | | 07/08/08 |
| ICP Metals Analysis, Grd H20 P Prep | | | | | | | | | | | 07/25/08 |
| ICP Metals Analysis, Grd H20 P | | | | | | | | | | | |
| Aluminum | 7429-90-5 | LA-505-411 | DU | < 260 | ug/L | | | 5.00 | 2.6e+02 | | 08/04/08 |
| Iron | 7439-89-6 | LA-505-411 | DU | < 125 | ug/L | | | 5.00 | 1.2e+02 | | 08/04/08 |
| Magnesium | 7439-95-4 | LA-505-411 | DN | 6.84e+03 | ug/L | | | 5.00 | 2.5e+02 | | 08/04/08 |
| Manganese | 7439-96-5 | LA-505-411 | DU | < 20.0 | ug/L | | | 5.00 | 20 | | 08/04/08 |
| Nickel | 7440-02-0 | LA-505-411 | DU | < 20.0 | ug/L | | | 5.00 | 20 | | 08/04/08 |
| Potassium | 7440-09-7 | LA-505-411 | D | 2.17e+04 | ug/L | | | 5.00 | 8.5e+02 | | 08/04/08 |
| Silver | 7440-22-4 | LA-505-411 | DU | < 25.0 | ug/L | | | 5.00 | 25 | | 08/04/08 |
| Sodium | 7440-23-5 | LA-505-411 | D | 2.97e+06 | ug/L | | | 5.00 | 2.6e+02 | | 08/04/08 |
| Antimony | 7440-36-0 | LA-505-411 | DU | < 280 | ug/L | | | 5.00 | 2.8e+02 | | 08/04/08 |
| Barium | 7440-39-3 | LA-505-411 | DU | < 20.0 | ug/L | | | 5.00 | 20 | | 08/04/08 |
| Cadmium | 7440-43-9 | LA-505-411 | DU | < 20.0 | ug/L | | | 5.00 | 20 | | 08/04/08 |
| Chromium | 7440-47-3 | LA-505-411 | DU | < 65.0 | ug/L | | | 5.00 | 65 | | 08/04/08 |
| Cobalt | 7440-48-4 | LA-505-411 | DU | < 20.0 | ug/L | | | 5.00 | 20 | | 08/04/08 |
| Copper | 7440-50-8 | LA-505-411 | DU | < 30.0 | ug/L | | | 5.00 | 30 | | 08/04/08 |
| Vanadium | 7440-62-2 | LA-505-411 | DU | < 60.0 | ug/L | | | 5.00 | 60 | | 08/04/08 |
| Zinc | 7440-68-6 | LA-505-411 | DU | < 45.0 | ug/L | | | 5.00 | 45 | | 08/04/08 |

MDL = Minimum Detection Limit

RQ = Result Qualifier

TP Err = Total Propagated Error

DF = Dilution Factor

* - Indicates results that have NOT been validated;

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B - The analyte < the RDL but > = the IDL/MDL (inorg)

D - Analyte was identified at a secondary dilution factor(inorg)

U - Analyzed for but not detected above limiting criteria(inorg)

D - Analyte was identified at a secondary dilution factor

N - Spike sample recovery is outside control limits.(inorg)

Report WGPP/ver. 5.2

Groundwater Remediation Program

WSCF ANALYTICAL RESULTS REPORT

Attention: Steve Trent
SAF Number: F06-027
Sample # W08GR02283
Client ID: B1W778

TRENT
WSCF

Matrix: WATER

Group #: WSCF20081359
Department: Inorganic
Sampled: 07/07/08
Received: 07/07/08

| Test Performed | CAS # | Method | RQ | Result | Unit | TP Err | Unit | DF | MDL | PQL | Analysis Date |
|----------------|-----------|------------|----|----------|------|--------|------|------|---------|-----|---------------|
| Calcium | 7440-70-2 | LA-505-411 | D | 2.17e+04 | ug/L | | | 5.00 | 3.6e+02 | | 08/04/08 |
| Lead | 7439-92-1 | LA-505-411 | DU | < 225 | ug/L | | | 5.00 | 2.2e+02 | | 08/04/08 |
| Molybdenum | 7439-98-7 | LA-505-411 | DU | < 25.0 | ug/L | | | 5.00 | 25 | | 08/04/08 |
| Strontium | 7440-24-6 | LA-505-411 | D | 685 | ug/L | | | 5.00 | 20 | | 08/04/08 |
| Arsenic | 7440-38-2 | LA-505-411 | DU | < 390 | ug/L | | | 5.00 | 3.9e+02 | | 08/04/08 |

MDL=Minimum Detection Limit

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DF=Dilution Factor

* - Indicates results that have NOT been validated;

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D - Analyte was identified at a secondary dilution factor(inorg)

U - Analyzed for but not detected above limiting criteria(inorg)

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N - Spike sample recovery is outside control limits.(inorg)

Report WGPP/ver. 5.2

Groundwater Remediation Program

WSCF

ANALYTICAL RESULTS REPORT

Attention: Steve Trent
SAF Number: F06-027
Sample # W08GR02284
Client ID: B1W779

TRENT
WSCF

Matrix: WATER

Group #: WSCF20081359
Department: Inorganic
Sampled: 07/07/08
Received: 07/07/08

| Test Performed | CAS # | Method | RQ | Result | Unit | TP Err | Unit | DF | MDL | PQL | Analysis Date |
|--|------------|------------|----|----------|------|--------|------|-----------|---------|-----|-----------------|
| Anions by Ion Chromatography | | | | | | | | | | | |
| Fluoride | 16984-48-8 | LA-533-410 | DU | < 0.420 | mg/L | | | 20.00 | 0.42 | | 07/08/08 |
| Chloride | 16887-00-6 | LA-533-410 | D | 322 | mg/L | | | 1.01e+002 | 11 | | 07/08/08 |
| Nitrogen in Nitrite | NO2-N | LA-533-410 | DU | < 0.198 | mg/L | | | 20.00 | 0.20 | | 07/08/08 |
| Nitrogen in Nitrate | NO3-N | LA-533-410 | DU | < 0.720 | mg/L | | | 20.00 | 0.72 | | 07/08/08 |
| Phosphate (P) by IC | PO4-P | LA-533-410 | D | 1.22e+03 | mg/L | | | 1.01e+002 | 3.2 | | 07/08/08 |
| Sulfate | 14808-79-8 | LA-533-410 | BD | 19.0 | mg/L | | | 20.00 | 1.5 | | 07/08/08 |
| ICP Metals Analysis, Grd H20 P Prep | | | | | | | | | | | 07/25/08 |
| ICP Metals Analysis, Grd H20 P | | | | | | | | | | | |
| Aluminum | 7429-90-5 | LA-505-411 | DU | < 260 | ug/L | | | 5.00 | 2.6e+02 | | 08/04/08 |
| Iron | 7439-89-6 | LA-505-411 | DU | < 125 | ug/L | | | 5.00 | 1.2e+02 | | 08/04/08 |
| Magnesium | 7439-95-4 | LA-505-411 | DN | 6.54e+03 | ug/L | | | 5.00 | 2.5e+02 | | 08/04/08 |
| Manganese | 7439-96-5 | LA-505-411 | DU | < 20.0 | ug/L | | | 5.00 | 20 | | 08/04/08 |
| Nickel | 7440-02-0 | LA-505-411 | DU | < 20.0 | ug/L | | | 5.00 | 20 | | 08/04/08 |
| Potassium | 7440-09-7 | LA-505-411 | D | 1.62e+04 | ug/L | | | 5.00 | 8.5e+02 | | 08/04/08 |
| Silver | 7440-22-4 | LA-505-411 | DU | < 25.0 | ug/L | | | 5.00 | 25 | | 08/04/08 |
| Sodium | 7440-23-5 | LA-505-411 | D | 3.67e+06 | ug/L | | | 5.00 | 2.6e+02 | | 08/04/08 |
| Antimony | 7440-36-0 | LA-505-411 | DU | < 280 | ug/L | | | 5.00 | 2.8e+02 | | 08/04/08 |
| Barium | 7440-39-3 | LA-505-411 | DU | < 20.0 | ug/L | | | 5.00 | 20 | | 08/04/08 |
| Cadmium | 7440-43-9 | LA-505-411 | DU | < 20.0 | ug/L | | | 5.00 | 20 | | 08/04/08 |
| Chromium | 7440-47-3 | LA-505-411 | DU | < 65.0 | ug/L | | | 5.00 | 65 | | 08/04/08 |
| Cobalt | 7440-48-4 | LA-505-411 | DU | < 20.0 | ug/L | | | 5.00 | 20 | | 08/04/08 |
| Copper | 7440-50-8 | LA-505-411 | DU | < 30.0 | ug/L | | | 5.00 | 30 | | 08/04/08 |
| Vanadium | 7440-62-2 | LA-505-411 | DU | < 60.0 | ug/L | | | 5.00 | 60 | | 08/04/08 |
| Zinc | 7440-66-6 | LA-505-411 | D | 90.6 | ug/L | | | 5.00 | 45 | | 08/04/08 |

MDL = Minimum Detection Limit

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U - Analyzed for but not detected above limiting criteria (inorg)

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D - Analyte was identified at a secondary dilution factor

N - Spike sample recovery is outside control limits. (inorg)

WSCF

ANALYTICAL RESULTS REPORT

Attention: Steve Trent
SAF Number: F06-027
Sample # W08GR02284
Client ID: B1W779

TRENT
 WSCF

Matrix: WATER

Group #: WSCF20081359
Department: Inorganic
Sampled: 07/07/08
Received: 07/07/08

| Test Performed | CAS # | Method | RQ | Result | Unit | TP Err | Unit | DF | MDL | PQL | Analysis Date |
|----------------|-----------|------------|----|----------|------|--------|------|------|---------|-----|---------------|
| Calcium | 7440-70-2 | LA-505-411 | D | 2.36e+04 | ug/L | | | 5.00 | 3.6e+02 | | 08/04/08 |
| Lead | 7439-92-1 | LA-505-411 | DU | < 225 | ug/L | | | 5.00 | 2.2e+02 | | 08/04/08 |
| Molybdenum | 7439-98-7 | LA-505-411 | DU | < 25.0 | ug/L | | | 5.00 | 25 | | 08/04/08 |
| Strontium | 7440-24-8 | LA-505-411 | D | 695 | ug/L | | | 5.00 | 20 | | 08/04/08 |
| Arsenic | 7440-38-2 | LA-505-411 | DU | < 390 | ug/L | | | 5.00 | 3.9e+02 | | 08/04/08 |

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N - Spike sample recovery is outside control limits.(inorg)

Report WGPP/ver. 5.2

Groundwater Remediation Program

Page 7

WSCF

ANALYTICAL RESULTS REPORT

Attention: Steve Trent
SAF Number: F06-027
Sample # W08GR02285
Client ID: B1W780

TRENT
WSCF

Matrix: WATER

Group #: WSCF20081359
Department: Inorganic
Sampled: 07/07/08
Received: 07/07/08

| Test Performed | CAS # | Method | RQ | Result | Unit | TP Err | Unit | DF | MDL | PQL | Analysis Date |
|--|------------|------------|----|----------|------|--------|------|-------|---------|-----|-----------------|
| Anions by Ion Chromatography | | | | | | | | | | | |
| Fluoride | 16984-48-8 | LA-533-410 | DU | < 0.210 | mg/L | | | 10.00 | 0.21 | | 07/08/08 |
| Chloride | 16887-00-6 | LA-533-410 | D | 134 | mg/L | | | 51.00 | 5.6 | | 07/08/08 |
| Nitrogen in Nitrite | NO2-N | LA-533-410 | DU | < 0.0990 | mg/L | | | 10.00 | 0.099 | | 07/08/08 |
| Nitrogen in Nitrate | NO3-N | LA-533-410 | DU | < 0.360 | mg/L | | | 10.00 | 0.36 | | 07/08/08 |
| Phosphate (P) by IC | PO4-P | LA-533-410 | D | 480 | mg/L | | | 51.00 | 1.6 | | 07/08/08 |
| Sulfate | 14808-79-8 | LA-533-410 | DU | < 0.770 | mg/L | | | 10.00 | 0.77 | | 07/08/08 |
| ICP Metals Analysis, Grd H20 P Prep | | | | | | | | | | | 07/25/08 |
| ICP Metals Analysis, Grd H20 P | | | | | | | | | | | |
| Aluminum | 7429-90-5 | LA-505-411 | DU | < 260 | ug/L | | | 5.00 | 2.6e+02 | | 08/04/08 |
| Iron | 7439-89-6 | LA-505-411 | D | 1.02e+03 | ug/L | | | 5.00 | 1.2e+02 | | 08/04/08 |
| Magnesium | 7439-95-4 | LA-505-411 | DN | 2.93e+03 | ug/L | | | 5.00 | 2.5e+02 | | 08/04/08 |
| Manganese | 7439-96-5 | LA-505-411 | D | 785 | ug/L | | | 5.00 | 20 | | 08/04/08 |
| Nickel | 7440-02-0 | LA-505-411 | DU | < 20.0 | ug/L | | | 5.00 | 20 | | 08/04/08 |
| Potassium | 7440-09-7 | LA-505-411 | D | 5.00e+03 | ug/L | | | 5.00 | 8.5e+02 | | 08/04/08 |
| Silver | 7440-22-4 | LA-505-411 | DU | < 25.0 | ug/L | | | 5.00 | 25 | | 08/04/08 |
| Sodium | 7440-23-5 | LA-505-411 | D | 9.90e+05 | ug/L | | | 5.00 | 2.6e+02 | | 08/04/08 |
| Antimony | 7440-36-0 | LA-505-411 | DU | < 280 | ug/L | | | 5.00 | 2.8e+02 | | 08/04/08 |
| Barium | 7440-39-3 | LA-505-411 | DU | < 20.0 | ug/L | | | 5.00 | 20 | | 08/04/08 |
| Cadmium | 7440-43-9 | LA-505-411 | DU | < 20.0 | ug/L | | | 5.00 | 20 | | 08/04/08 |
| Chromium | 7440-47-3 | LA-505-411 | DU | < 65.0 | ug/L | | | 5.00 | 65 | | 08/04/08 |
| Cobalt | 7440-48-4 | LA-505-411 | DU | < 20.0 | ug/L | | | 5.00 | 20 | | 08/04/08 |
| Copper | 7440-50-8 | LA-505-411 | DU | < 30.0 | ug/L | | | 5.00 | 30 | | 08/04/08 |
| Vanadium | 7440-62-2 | LA-505-411 | DU | < 60.0 | ug/L | | | 5.00 | 60 | | 08/04/08 |
| Zinc | 7440-66-6 | LA-505-411 | DU | < 45.0 | ug/L | | | 5.00 | 45 | | 08/04/08 |

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N - Spike sample recovery is outside control limits.(inorg)

Report WGPP/ver. 5.2

Groundwater Remediation Program

WSCF ANALYTICAL RESULTS REPORT

Attention: Steve Trent
SAF Number: F06-027
Sample # W08GR02285
Client ID: B1W780

TRENT
WSCF

Matrix: WATER

Group #: WSCF20081359
Department: Inorganic
Sampled: 07/07/08
Received: 07/07/08

| Test Performed | CAS # | Method | RQ | Result | Unit | TP Err | Unit | DF | MDL | PQL | Analysis Date |
|----------------|-----------|------------|----|----------|------|--------|------|------|---------|-----|---------------|
| Calcium | 7440-70-2 | LA-505-411 | D | 1.27e+04 | ug/L | | | 5.00 | 3.6e+02 | | 08/04/08 |
| Lead | 7439-92-1 | LA-505-411 | DU | < 225 | ug/L | | | 5.00 | 2.2e+02 | | 08/04/08 |
| Molybdenum | 7439-98-7 | LA-505-411 | DU | < 25.0 | ug/L | | | 5.00 | 25 | | 08/04/08 |
| Strontium | 7440-24-6 | LA-505-411 | D | 212 | ug/L | | | 5.00 | 20 | | 08/04/08 |
| Arsenic | 7440-38-2 | LA-505-411 | DU | < 390 | ug/L | | | 5.00 | 3.9e+02 | | 08/04/08 |

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Report WGPP/ver. 5.2

Groundwater Remediation Program

WSCF ANALYTICAL RESULTS REPORT

Attention: Steve Trent
 SAF Number: F06-027
 Sample # W08GR02286
 Client ID: B1W781

TRENT
 WSCF

Matrix: WATER

Group #: WSCF20081359
 Department: Inorganic
 Sampled: 07/07/08
 Received: 07/07/08

| Test Performed | CAS # | Method | RQ | Result | Unit | TP Err | Unit | DF | MDL | PQL | Analysis Date |
|--|------------|------------|----|----------|------|--------|------|-----------|---------|-----|---------------|
| Anions by Ion Chromatography | | | | | | | | | | | |
| Fluoride | 16984-48-8 | LA-533-410 | DU | < 0.420 | mg/L | | | 20.00 | 0.42 | | 07/08/08 |
| Chloride | 16887-00-6 | LA-533-410 | D | 252 | mg/L | | | 1.01e+002 | 11 | | 07/08/08 |
| Nitrogen in Nitrite | NO2-N | LA-533-410 | DU | < 0.198 | mg/L | | | 20.00 | 0.20 | | 07/08/08 |
| Nitrogen in Nitrate | NO3-N | LA-533-410 | DU | < 0.720 | mg/L | | | 20.00 | 0.72 | | 07/08/08 |
| Phosphate (P) by IC | PO4-P | LA-533-410 | D | 653 | mg/L | | | 1.01e+002 | 3.2 | | 07/08/08 |
| Sulfate | 14808-79-8 | LA-533-410 | DU | < 1.54 | mg/L | | | 20.00 | 1.5 | | 07/08/08 |
| ICP Metals Analysis, Grd H20 P Prep | | | | | | | | | | | 07/25/08 |
| ICP Metals Analysis, Grd H20 P | | | | | | | | | | | |
| Aluminum | 7429-90-5 | LA-505-411 | DU | < 260 | ug/L | | | 5.00 | 2.6e+02 | | 08/04/08 |
| Iron | 7439-89-6 | LA-505-411 | D | 886 | ug/L | | | 5.00 | 1.2e+02 | | 08/04/08 |
| Magnesium | 7439-95-4 | LA-505-411 | DN | 9.90e+03 | ug/L | | | 5.00 | 2.5e+02 | | 08/04/08 |
| Manganese | 7439-96-5 | LA-505-411 | D | 905 | ug/L | | | 5.00 | 20 | | 08/04/08 |
| Nickel | 7440-02-0 | LA-505-411 | DU | < 20.0 | ug/L | | | 5.00 | 20 | | 08/04/08 |
| Potassium | 7440-09-7 | LA-505-411 | D | 7.59e+03 | ug/L | | | 5.00 | 8.5e+02 | | 08/04/08 |
| Silver | 7440-22-4 | LA-505-411 | DU | < 25.0 | ug/L | | | 5.00 | 25 | | 08/04/08 |
| Sodium | 7440-23-5 | LA-505-411 | D | 1.92e+06 | ug/L | | | 5.00 | 2.6e+02 | | 08/04/08 |
| Antimony | 7440-36-0 | LA-505-411 | DU | < 280 | ug/L | | | 5.00 | 2.8e+02 | | 08/04/08 |
| Barium | 7440-39-3 | LA-505-411 | DU | < 20.0 | ug/L | | | 5.00 | 20 | | 08/04/08 |
| Cadmium | 7440-43-9 | LA-505-411 | DU | < 20.0 | ug/L | | | 5.00 | 20 | | 08/04/08 |
| Chromium | 7440-47-3 | LA-505-411 | DU | < 65.0 | ug/L | | | 5.00 | 65 | | 08/04/08 |
| Cobalt | 7440-48-4 | LA-505-411 | DU | < 20.0 | ug/L | | | 5.00 | 20 | | 08/04/08 |
| Copper | 7440-50-8 | LA-505-411 | DU | < 30.0 | ug/L | | | 5.00 | 30 | | 08/04/08 |
| Vanadium | 7440-62-2 | LA-505-411 | DU | < 60.0 | ug/L | | | 5.00 | 60 | | 08/04/08 |
| Zinc | 7440-66-6 | LA-505-411 | DU | < 45.0 | ug/L | | | 5.00 | 45 | | 08/04/08 |

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U - Analyzed for but not detected above limiting criteria(inorg)

D - Analyte was identified at a secondary dilution factor

N - Spike sample recovery is outside control limits.(inorg)

WSCF

ANALYTICAL RESULTS REPORT

Attention: Steve Trent
SAF Number: F06-027
Sample # W08GR02286
Client ID: B1W781

TRENT
WSCF

Matrix: WATER

Group #: WSCF20081359
Department: Inorganic
Sampled: 07/07/08
Received: 07/07/08

| Test Performed | CAS # | Method | RQ | Result | Unit | TP Err | Unit | DF | MDL | PQL | Analysis Date |
|----------------|-----------|------------|----|-----------|------|--------|------|------|----------|-----|---------------|
| Calcium | 7440-70-2 | LA-505-411 | D | 1.37e +04 | ug/L | | | 5.00 | 3.6e +02 | | 08/04/08 |
| Lead | 7439-92-1 | LA-505-411 | DU | < 225 | ug/L | | | 5.00 | 2.2e +02 | | 08/04/08 |
| Molybdenum | 7439-98-7 | LA-505-411 | DU | < 25.0 | ug/L | | | 5.00 | 25 | | 08/04/08 |
| Strontium | 7440-24-6 | LA-505-411 | D | 101 | ug/L | | | 5.00 | 20 | | 08/04/08 |
| Arsenic | 7440-38-2 | LA-505-411 | DU | < 390 | ug/L | | | 5.00 | 3.9e +02 | | 08/04/08 |

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Report WGPP/ver. 5.2

Groundwater Remediation Program

WSCF ANALYTICAL RESULTS REPORT

Attention: Steve Trent
SAF Number: F06-027
Sample # W08GR02287
Client ID: B1W782

**TRENT
WSCF**

Matrix: WATER

Group #: WSCF20081359
Department: Inorganic
Sampled: 07/07/08
Received: 07/07/08

| Test Performed | CAS # | Method | RQ | Result | Unit | TP Err | Unit | DF | MDL | PQL | Analysis Date |
|--|------------|------------|----|------------|------|--------|------|-------|-----------|-----|-----------------|
| Anions by Ion Chromatography | | | | | | | | | | | |
| Fluoride | 16984-48-8 | LA-533-410 | DU | < 0.210 | mg/L | | | 10.00 | 0.21 | | 07/08/08 |
| Chloride | 16887-00-6 | LA-533-410 | DN | 226 | mg/L | | | 51.00 | 5.6 | | 07/08/08 |
| Nitrogen in Nitrite | NO2-N | LA-533-410 | DU | < 0.0990 | mg/L | | | 10.00 | 0.099 | | 07/08/08 |
| Nitrogen in Nitrate | NO3-N | LA-533-410 | DU | < 0.360 | mg/L | | | 10.00 | 0.36 | | 07/08/08 |
| Phosphate (P) by IC | PO4-P | LA-533-410 | D | 368 | mg/L | | | 51.00 | 1.6 | | 07/08/08 |
| Sulfate | 14808-79-8 | LA-533-410 | DU | < 0.770 | mg/L | | | 10.00 | 0.77 | | 07/08/08 |
| ICP Metals Analysis, Grd H20 P Prep | | | | | | | | | | | 07/25/08 |
| ICP Metals Analysis, Grd H20 P | | | | | | | | | | | |
| Aluminum | 7429-90-5 | LA-505-411 | DU | < 260 | ug/L | | | 5.00 | 2.6e + 02 | | 08/04/08 |
| Iron | 7439-89-6 | LA-505-411 | D | 1.20e + 03 | ug/L | | | 5.00 | 1.2e + 02 | | 08/04/08 |
| Magnesium | 7439-95-4 | LA-505-411 | DN | 2.31e + 04 | ug/L | | | 5.00 | 2.5e + 02 | | 08/04/08 |
| Manganese | 7439-96-5 | LA-505-411 | D | 1.54e + 03 | ug/L | | | 5.00 | 20 | | 08/04/08 |
| Nickel | 7440-02-0 | LA-505-411 | DU | < 20.0 | ug/L | | | 5.00 | 20 | | 08/04/08 |
| Potassium | 7440-09-7 | LA-505-411 | D | 7.44e + 03 | ug/L | | | 5.00 | 8.5e + 02 | | 08/04/08 |
| Silver | 7440-22-4 | LA-505-411 | DU | < 25.0 | ug/L | | | 5.00 | 25 | | 08/04/08 |
| Sodium | 7440-23-5 | LA-505-411 | D | 1.40e + 06 | ug/L | | | 5.00 | 2.6e + 02 | | 08/04/08 |
| Antimony | 7440-36-0 | LA-505-411 | DU | < 280 | ug/L | | | 5.00 | 2.8e + 02 | | 08/04/08 |
| Barium | 7440-39-3 | LA-505-411 | DU | < 20.0 | ug/L | | | 5.00 | 20 | | 08/04/08 |
| Cadmium | 7440-43-9 | LA-505-411 | DU | < 20.0 | ug/L | | | 5.00 | 20 | | 08/04/08 |
| Chromium | 7440-47-3 | LA-505-411 | DU | < 65.0 | ug/L | | | 5.00 | 65 | | 08/04/08 |
| Cobalt | 7440-48-4 | LA-505-411 | DU | < 20.0 | ug/L | | | 5.00 | 20 | | 08/04/08 |
| Copper | 7440-50-8 | LA-505-411 | DU | < 30.0 | ug/L | | | 5.00 | 30 | | 08/04/08 |
| Vanadium | 7440-62-2 | LA-505-411 | DU | < 60.0 | ug/L | | | 5.00 | 60 | | 08/04/08 |
| Zinc | 7440-66-6 | LA-505-411 | DU | < 45.0 | ug/L | | | 5.00 | 45 | | 08/04/08 |

MDL=Minimum Detection Limit

RQ=Result Qualifier

TP Err=Total Propagated Error

DF=Dilution Factor

* - Indicates results that have NOT been validated;

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B - The analyte < the RDL but >= the IDL/MDL (inorg)

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U - Analyzed for but not detected above limiting criteria(inorg)

D - Analyte was identified at a secondary dilution factor

N - Spike sample recovery is outside control limits.(inorg)

Report WGPP/ver. 5.2

Groundwater Remediation Program

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WSCF

ANALYTICAL RESULTS REPORT

Attention: Steve Trent
SAF Number: F06-027
Sample # W08GR02287
Client ID: B1W782

TRENT
WSCF

Matrix: WATER

Group #: WSCF20081359
Department: Inorganic
Sampled: 07/07/08
Received: 07/07/08

| Test Performed | CAS # | Method | RQ | Result | Unit | TP Err | Unit | DF | MDL | PQL | Analysis Date |
|----------------|-----------|------------|----|------------|------|--------|------|------|-----------|-----|---------------|
| Calcium | 7440-70-2 | LA-505-411 | D | 2.64e + 04 | ug/L | | | 5.00 | 3.6e + 02 | | 08/04/08 |
| Lead | 7439-92-1 | LA-505-411 | DU | < 225 | ug/L | | | 5.00 | 2.2e + 02 | | 08/04/08 |
| Molybdenum | 7439-98-7 | LA-505-411 | DU | < 25.0 | ug/L | | | 5.00 | 25 | | 08/04/08 |
| Strontium | 7440-24-6 | LA-505-411 | D | 120 | ug/L | | | 5.00 | 20 | | 08/04/08 |
| Arsenic | 7440-38-2 | LA-505-411 | DU | < 390 | ug/L | | | 5.00 | 3.9e + 02 | | 08/04/08 |

MDL=Minimum Detection Limit

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Report WGPP/ver. 5.2

Groundwater Remediation Program

B - The analyte < the RDL but > = the IDL/MDL (inorg)

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U - Analyzed for but not detected above limiting criteria(inorg)

D - Analyte was identified at a secondary dilution factor

N - Spike sample recovery is outside control limits.(inorg)

WSCF ANALYTICAL RESULTS REPORT

Attention: Steve Trent
SAF Number: F06-027
Sample # W08GR02288
Client ID: B1W783

**TRENT
WSCF**

Matrix: WATER

Group #: WSCF20081359
Department: Inorganic
Sampled: 07/07/08
Received: 07/07/08

| Test Performed | CAS # | Method | RQ | Result | Unit | TP Err | Unit | DF | MDL | PQL | Analysis Date |
|--|------------|------------|----|----------|------|--------|------|-------|---------|-----|-----------------|
| Anions by Ion Chromatography | | | | | | | | | | | |
| Fluoride | 16984-48-8 | LA-533-410 | DU | < 0.210 | mg/L | | | 10.00 | 0.21 | | 07/08/08 |
| Chloride | 16887-00-6 | LA-533-410 | D | 143 | mg/L | | | 10.00 | 1.1 | | 07/08/08 |
| Nitrogen in Nitrite | NO2-N | LA-533-410 | DU | < 0.0990 | mg/L | | | 10.00 | 0.099 | | 07/08/08 |
| Nitrogen in Nitrate | NO3-N | LA-533-410 | DU | < 0.360 | mg/L | | | 10.00 | 0.36 | | 07/08/08 |
| Phosphate (P) by IC | PO4-P | LA-533-410 | D | 73.3 | mg/L | | | 10.00 | 0.32 | | 07/08/08 |
| Sulfate | 14808-79-8 | LA-533-410 | DU | < 0.770 | mg/L | | | 10.00 | 0.77 | | 07/08/08 |
| ICP Metals Analysis, Grd H20 P Prep | | | | | | | | | | | 07/25/08 |
| ICP Metals Analysis, Grd H20 P | | | | | | | | | | | |
| Aluminum | 7429-90-5 | LA-505-411 | DU | < 260 | ug/L | | | 5.00 | 2.6e+02 | | 08/04/08 |
| Iron | 7439-89-6 | LA-505-411 | D | 2.57e+03 | ug/L | | | 5.00 | 1.2e+02 | | 08/04/08 |
| Magnesium | 7439-95-4 | LA-505-411 | DN | 1.67e+04 | ug/L | | | 5.00 | 2.5e+02 | | 08/04/08 |
| Manganese | 7439-96-5 | LA-505-411 | D | 1.49e+03 | ug/L | | | 5.00 | 20 | | 08/04/08 |
| Nickel | 7440-02-0 | LA-505-411 | DU | < 20.0 | ug/L | | | 5.00 | 20 | | 08/04/08 |
| Potassium | 7440-09-7 | LA-505-411 | D | 5.72e+03 | ug/L | | | 5.00 | 8.5e+02 | | 08/04/08 |
| Silver | 7440-22-4 | LA-505-411 | D | 41.0 | ug/L | | | 5.00 | 25 | | 08/04/08 |
| Sodium | 7440-23-5 | LA-505-411 | D | 5.57e+05 | ug/L | | | 5.00 | 2.6e+02 | | 08/04/08 |
| Antimony | 7440-36-0 | LA-505-411 | DU | < 280 | ug/L | | | 5.00 | 2.8e+02 | | 08/04/08 |
| Barium | 7440-39-3 | LA-505-411 | D | 44.0 | ug/L | | | 5.00 | 20 | | 08/04/08 |
| Cadmium | 7440-43-9 | LA-505-411 | DU | < 20.0 | ug/L | | | 5.00 | 20 | | 08/04/08 |
| Chromium | 7440-47-3 | LA-505-411 | DU | < 65.0 | ug/L | | | 5.00 | 65 | | 08/04/08 |
| Cobalt | 7440-48-4 | LA-505-411 | DU | < 20.0 | ug/L | | | 5.00 | 20 | | 08/04/08 |
| Copper | 7440-50-8 | LA-505-411 | DU | < 30.0 | ug/L | | | 5.00 | 30 | | 08/04/08 |
| Vanadium | 7440-62-2 | LA-505-411 | DU | < 60.0 | ug/L | | | 5.00 | 60 | | 08/04/08 |
| Zinc | 7440-66-6 | LA-505-411 | DU | < 45.0 | ug/L | | | 5.00 | 45 | | 08/04/08 |

MDL = Minimum Detection Limit

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U - Analyzed for but not detected above limiting criteria (inorg)

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N - Spike sample recovery is outside control limits. (inorg)

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Report WGPP/ver. 5.2

Groundwater Remediation Program

WSCF

ANALYTICAL RESULTS REPORT

Attention: Steve Trent
SAF Number: F06-027
Sample # W08GR02288
Client ID: B1W783

TRENT
WSCF

Matrix: WATER

Group #: WSCF20081359
Department: Inorganic
Sampled: 07/07/08
Received: 07/07/08

| Test Performed | CAS # | Method | RQ | Result | Unit | TP Err | Unit | DF | MDL | PQL | Analysis Date |
|----------------|-----------|------------|----|----------|------|--------|------|------|---------|-----|---------------|
| Calcium | 7440-70-2 | LA-505-411 | D | 6.54e+04 | ug/L | | | 5.00 | 3.6e+02 | | 08/04/08 |
| Lead | 7439-92-1 | LA-505-411 | DU | < 225 | ug/L | | | 5.00 | 2.2e+02 | | 08/04/08 |
| Molybdenum | 7439-98-7 | LA-505-411 | DU | < 25.0 | ug/L | | | 5.00 | 25 | | 08/04/08 |
| Strontium | 7440-24-8 | LA-505-411 | D | 277 | ug/L | | | 5.00 | 20 | | 08/04/08 |
| Arsenic | 7440-38-2 | LA-505-411 | DU | < 390 | ug/L | | | 5.00 | 3.9e+02 | | 08/04/08 |

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Report WGPP/ver. 5.2

Groundwater Remediation Program

WSCF ANALYTICAL RESULTS REPORT

Attention: Steve Trent
SAF Number: F06-027
Sample # W08GR02289
Client ID: B1W784

TRENT
WSCF

Matrix: WATER

Group #: WSCF20081359
Department: Inorganic
Sampled: 07/07/08
Received: 07/07/08

| Test Performed | CAS # | Method | RQ | Result | Unit | TP Err | Unit | DF | MDL | PQL | Analysis Date |
|--|------------|------------|----|----------|------|--------|------|-------|---------|-----|-----------------|
| Anions by Ion Chromatography | | | | | | | | | | | |
| Fluoride | 16984-48-8 | LA-533-410 | DU | < 0.210 | mg/L | | | 10.00 | 0.21 | | 07/08/08 |
| Chloride | 16887-00-6 | LA-533-410 | DN | 205 | mg/L | | | 51.00 | 5.6 | | 07/08/08 |
| Nitrogen in Nitrite | NO2-N | LA-533-410 | DU | < 0.0990 | mg/L | | | 10.00 | 0.099 | | 07/08/08 |
| Nitrogen in Nitrate | NO3-N | LA-533-410 | DU | < 0.360 | mg/L | | | 10.00 | 0.36 | | 07/08/08 |
| Phosphate (P) by IC | PO4-P | LA-533-410 | D | 365 | mg/L | | | 51.00 | 1.6 | | 07/08/08 |
| Sulfate | 14808-79-8 | LA-533-410 | BD | 9.32 | mg/L | | | 10.00 | 0.77 | | 07/08/08 |
| ICP Metals Analysis, Grd H20 P Prep | | | | | | | | | | | 07/25/08 |
| ICP Metals Analysis, Grd H20 P | | | | | | | | | | | |
| Aluminum | 7429-90-5 | LA-505-411 | DU | < 260 | ug/L | | | 5.00 | 2.6e+02 | | 08/04/08 |
| Iron | 7439-89-6 | LA-505-411 | D | 651 | ug/L | | | 5.00 | 1.2e+02 | | 08/04/08 |
| Magnesium | 7439-95-4 | LA-505-411 | DN | 1.56e+04 | ug/L | | | 5.00 | 2.5e+02 | | 08/04/08 |
| Manganese | 7439-96-5 | LA-505-411 | D | 1.30e+03 | ug/L | | | 5.00 | 20 | | 08/04/08 |
| Nickel | 7440-02-0 | LA-505-411 | DU | < 20.0 | ug/L | | | 5.00 | 20 | | 08/04/08 |
| Potassium | 7440-09-7 | LA-505-411 | D | 5.71e+03 | ug/L | | | 5.00 | 8.5e+02 | | 08/04/08 |
| Silver | 7440-22-4 | LA-505-411 | DU | < 25.0 | ug/L | | | 5.00 | 25 | | 08/04/08 |
| Sodium | 7440-23-5 | LA-505-411 | D | 1.13e+08 | ug/L | | | 5.00 | 2.6e+02 | | 08/04/08 |
| Antimony | 7440-36-0 | LA-505-411 | DU | < 280 | ug/L | | | 5.00 | 2.8e+02 | | 08/04/08 |
| Barium | 7440-39-3 | LA-505-411 | DU | < 20.0 | ug/L | | | 5.00 | 20 | | 08/04/08 |
| Cadmium | 7440-43-9 | LA-505-411 | DU | < 20.0 | ug/L | | | 5.00 | 20 | | 08/04/08 |
| Chromium | 7440-47-3 | LA-505-411 | DU | < 65.0 | ug/L | | | 5.00 | 65 | | 08/04/08 |
| Cobalt | 7440-48-4 | LA-505-411 | DU | < 20.0 | ug/L | | | 5.00 | 20 | | 08/04/08 |
| Copper | 7440-50-8 | LA-505-411 | DU | < 30.0 | ug/L | | | 5.00 | 30 | | 08/04/08 |
| Vanadium | 7440-62-2 | LA-505-411 | DU | < 60.0 | ug/L | | | 5.00 | 60 | | 08/04/08 |
| Zinc | 7440-66-6 | LA-505-411 | DU | < 45.0 | ug/L | | | 5.00 | 45 | | 08/04/08 |

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WSCF

ANALYTICAL RESULTS REPORT

Attention: Steve Trent
SAF Number: F06-027
Sample # W08GR02289
Client ID: B1W784

TRENT
WSCF

Matrix: WATER

Group #: WSCF20081359
Department: Inorganic
Sampled: 07/07/08
Received: 07/07/08

| Test Performed | CAS # | Method | RQ | Result | Unit | TP Err | Unit | DF | MDL | PQL | Analysis Date |
|----------------|-----------|------------|----|-----------|------|--------|------|------|----------|-----|---------------|
| Calcium | 7440-70-2 | LA-505-411 | D | 3.25e +04 | ug/L | | | 5.00 | 3.6e +02 | | 08/04/08 |
| Lead | 7439-92-1 | LA-505-411 | DU | < 225 | ug/L | | | 5.00 | 2.2e +02 | | 08/04/08 |
| Molybdenum | 7439-98-7 | LA-505-411 | DU | < 25.0 | ug/L | | | 5.00 | 25 | | 08/04/08 |
| Strontium | 7440-24-6 | LA-505-411 | D | 221 | ug/L | | | 5.00 | 20 | | 08/04/08 |
| Arsenic | 7440-38-2 | LA-505-411 | DU | < 390 | ug/L | | | 5.00 | 3.9e +02 | | 08/04/08 |

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Report WGPP/ver. 5.2

Groundwater Remediation Program

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D - Analyte was identified at a secondary dilution factor

N - Spike sample recovery is outside control limits.(inorg)

WSCF

ANALYTICAL RESULTS REPORT

Attention: Steve Trent
SAF Number: F06-027
Sample # W08GR02290
Client ID: B1W785

TRENT
WSCF

Matrix: WATER

Group #: WSCF20081359
Department: Inorganic
Sampled: 07/07/08
Received: 07/07/08

| Test Performed | CAS # | Method | RQ | Result | Unit | TP Err | Unit | DF | MDL | PQL | Analysis Date |
|--|------------|------------|----|----------|------|--------|------|-------|---------|-----|-----------------|
| Anions by Ion Chromatography | | | | | | | | | | | |
| Fluoride | 18984-48-8 | LA-533-410 | DU | < 0.210 | mg/L | | | 10.00 | 0.21 | | 07/08/08 |
| Chloride | 16887-00-6 | LA-533-410 | DN | 79.1 | mg/L | | | 10.00 | 1.1 | | 07/08/08 |
| Nitrogen in Nitrite | NO2-N | LA-533-410 | DU | < 0.0990 | mg/L | | | 10.00 | 0.099 | | 07/08/08 |
| Nitrogen in Nitrate | NO3-N | LA-533-410 | DU | < 0.360 | mg/L | | | 10.00 | 0.36 | | 07/08/08 |
| Phosphate (P) by IC | PO4-P | LA-533-410 | D | 74.8 | mg/L | | | 10.00 | 0.32 | | 07/08/08 |
| Sulfate | 14808-79-8 | LA-533-410 | DU | < 0.770 | mg/L | | | 10.00 | 0.77 | | 07/08/08 |
| ICP Metals Analysis, Grd H20 P Prep | | | | | | | | | | | 07/25/08 |
| ICP Metals Analysis, Grd H20 P | | | | | | | | | | | |
| Aluminum | 7429-90-5 | LA-505-411 | DU | < 260 | ug/L | | | 5.00 | 2.6e+02 | | 08/04/08 |
| Iron | 7439-89-6 | LA-505-411 | D | 1.60e+03 | ug/L | | | 5.00 | 1.2e+02 | | 08/04/08 |
| Magnesium | 7439-95-4 | LA-505-411 | DN | 1.47e+04 | ug/L | | | 5.00 | 2.5e+02 | | 08/04/08 |
| Manganese | 7439-96-5 | LA-505-411 | D | 2.07e+03 | ug/L | | | 5.00 | 20 | | 08/04/08 |
| Nickel | 7440-02-0 | LA-505-411 | DU | < 20.0 | ug/L | | | 5.00 | 20 | | 08/04/08 |
| Potassium | 7440-09-7 | LA-505-411 | D | 4.19e+03 | ug/L | | | 5.00 | 8.5e+02 | | 08/04/08 |
| Silver | 7440-22-4 | LA-505-411 | DU | < 25.0 | ug/L | | | 5.00 | 25 | | 08/04/08 |
| Sodium | 7440-23-5 | LA-505-411 | D | 3.72e+05 | ug/L | | | 5.00 | 2.6e+02 | | 08/04/08 |
| Antimony | 7440-38-0 | LA-505-411 | DU | < 280 | ug/L | | | 5.00 | 2.8e+02 | | 08/04/08 |
| Barium | 7440-39-3 | LA-505-411 | D | 20.0 | ug/L | | | 5.00 | 20 | | 08/04/08 |
| Cadmium | 7440-43-9 | LA-505-411 | DU | < 20.0 | ug/L | | | 5.00 | 20 | | 08/04/08 |
| Chromium | 7440-47-3 | LA-505-411 | DU | < 65.0 | ug/L | | | 5.00 | 65 | | 08/04/08 |
| Cobalt | 7440-48-4 | LA-505-411 | DU | < 20.0 | ug/L | | | 5.00 | 20 | | 08/04/08 |
| Copper | 7440-50-8 | LA-505-411 | DU | < 30.0 | ug/L | | | 5.00 | 30 | | 08/04/08 |
| Vanadium | 7440-62-2 | LA-505-411 | DU | < 60.0 | ug/L | | | 5.00 | 60 | | 08/04/08 |
| Zinc | 7440-68-6 | LA-505-411 | DU | < 45.0 | ug/L | | | 5.00 | 45 | | 08/04/08 |

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N - Spike sample recovery is outside control limits.(inorg)

Report WGPP/ver. 5.2

Groundwater Remediation Program

WSCF

ANALYTICAL RESULTS REPORT

Attention: Steve Trent
SAF Number: F06-027
Sample # W08GR02290
Client ID: B1W785

TRENT
 WSCF

Matrix: WATER

Group #: WSCF20081359
Department: Inorganic
Sampled: 07/07/08
Received: 07/07/08

| Test Performed | CAS # | Method | RQ | Result | Unit | TP Err | Unit | DF | MDL | PQL | Analysis Date |
|----------------|-----------|------------|----|----------|------|--------|------|------|---------|-----|---------------|
| Calcium | 7440-70-2 | LA-505-411 | D | 6.69e+04 | ug/L | | | 5.00 | 3.6e+02 | | 08/04/08 |
| Lead | 7439-92-1 | LA-505-411 | DU | < 225 | ug/L | | | 5.00 | 2.2e+02 | | 08/04/08 |
| Molybdenum | 7439-98-7 | LA-505-411 | DU | < 25.0 | ug/L | | | 5.00 | 25 | | 08/04/08 |
| Strontium | 7440-24-6 | LA-505-411 | D | 221 | ug/L | | | 5.00 | 20 | | 08/04/08 |
| Arsenic | 7440-38-2 | LA-505-411 | DU | < 390 | ug/L | | | 5.00 | 3.9e+02 | | 08/04/08 |

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Report WGPP/ver. 5.2

Groundwater Remediation Program

WSCF ANALYTICAL RESULTS REPORT

Attention: Steve Trent
SAF Number: F06-027
Sample # W08GR02291
Client ID: B1W786

**TRENT
WSCF**

Matrix: WATER

Group #: WSCF20081359
Department: Inorganic
Sampled: 07/07/08
Received: 07/07/08

| Test Performed | CAS # | Method | RQ | Result | Unit | TP Err | Unit | DF | MDL | PQL | Analysis Date |
|--|------------|------------|----|----------|------|--------|------|-------|---------|-----|-----------------|
| Anions by Ion Chromatography | | | | | | | | | | | |
| Fluoride | 16984-48-8 | LA-533-410 | DU | < 0.210 | mg/L | | | 10.00 | 0.21 | | 07/08/08 |
| Chloride | 16887-00-6 | LA-533-410 | DU | < 1.10 | mg/L | | | 10.00 | 1.1 | | 07/08/08 |
| Nitrogen in Nitrite | NO2-N | LA-533-410 | DU | < 0.0990 | mg/L | | | 10.00 | 0.099 | | 07/08/08 |
| Nitrogen in Nitrate | NO3-N | LA-533-410 | DU | < 0.360 | mg/L | | | 10.00 | 0.36 | | 07/08/08 |
| Phosphate (P) by IC | PO4-P | LA-533-410 | DU | < 0.320 | mg/L | | | 10.00 | 0.32 | | 07/08/08 |
| Sulfate | 14808-79-8 | LA-533-410 | BD | 6.95 | mg/L | | | 10.00 | 0.77 | | 07/08/08 |
| ICP Metals Analysis, Grd H20 P Prep | | | | | | | | | | | 07/25/08 |
| ICP Metals Analysis, Grd H20 P | | | | | | | | | | | |
| Aluminum | 7429-90-5 | LA-505-411 | DU | < 260 | ug/L | | | 5.00 | 2.6e+02 | | 08/04/08 |
| Iron | 7439-89-6 | LA-505-411 | D | 137 | ug/L | | | 5.00 | 1.2e+02 | | 08/04/08 |
| Magnesium | 7439-95-4 | LA-505-411 | DN | 4.31e+03 | ug/L | | | 5.00 | 2.5e+02 | | 08/04/08 |
| Manganese | 7439-96-5 | LA-505-411 | DU | < 20.0 | ug/L | | | 5.00 | 20 | | 08/04/08 |
| Nickel | 7440-02-0 | LA-505-411 | DU | < 20.0 | ug/L | | | 5.00 | 20 | | 08/04/08 |
| Potassium | 7440-09-7 | LA-505-411 | D | 1.33e+03 | ug/L | | | 5.00 | 8.5e+02 | | 08/04/08 |
| Silver | 7440-22-4 | LA-505-411 | DU | < 25.0 | ug/L | | | 5.00 | 25 | | 08/04/08 |
| Sodium | 7440-23-5 | LA-505-411 | D | 4.52e+03 | ug/L | | | 5.00 | 2.6e+02 | | 08/04/08 |
| Antimony | 7440-36-0 | LA-505-411 | DU | < 280 | ug/L | | | 5.00 | 2.8e+02 | | 08/04/08 |
| Barium | 7440-39-3 | LA-505-411 | DU | < 20.0 | ug/L | | | 5.00 | 20 | | 08/04/08 |
| Cadmium | 7440-43-9 | LA-505-411 | DU | < 20.0 | ug/L | | | 5.00 | 20 | | 08/04/08 |
| Chromium | 7440-47-3 | LA-505-411 | DU | < 65.0 | ug/L | | | 5.00 | 65 | | 08/04/08 |
| Cobalt | 7440-48-4 | LA-505-411 | DU | < 20.0 | ug/L | | | 5.00 | 20 | | 08/04/08 |
| Copper | 7440-50-8 | LA-505-411 | DU | < 30.0 | ug/L | | | 5.00 | 30 | | 08/04/08 |
| Vanadium | 7440-62-2 | LA-505-411 | DU | < 60.0 | ug/L | | | 5.00 | 60 | | 08/04/08 |
| Zinc | 7440-66-6 | LA-505-411 | DU | < 45.0 | ug/L | | | 5.00 | 45 | | 08/04/08 |

MDL = Minimum Detection Limit

RQ = Result Qualifier

TP Err = Total Propagated Error

DF = Dilution Factor

* - Indicates results that have NOT been validated;

B - The analyte < the RDL but > = the IDL/MDL (inorg)

D - Analyte was identified at a secondary dilution factor (inorg)

U - Analyzed for but not detected above limiting criteria (inorg)

+ - Indicates more than six qualifier symbols

D - Analyte was identified at a secondary dilution factor

N - Spike sample recovery is outside control limits. (inorg)

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Report WGPP/ver. 5.2

Groundwater Remediation Program

WSCF

ANALYTICAL RESULTS REPORT

Attention: Steve Trent
SAF Number: F06-027
Sample # W08GR02291
Client ID: B1W786

TRENT
WSCF

Matrix: WATER

Group #: WSCF20081359
Department: Inorganic
Sampled: 07/07/08
Received: 07/07/08

| Test Performed | CAS # | Method | RQ | Result | Unit | TP Err | Unit | DF | MDL | PQL | Analysis Date |
|----------------|-----------|------------|----|------------|------|--------|------|------|-----------|-----|---------------|
| Calcium | 7440-70-2 | LA-505-411 | D | 3.25e + 04 | ug/L | | | 5.00 | 3.6e + 02 | | 08/04/08 |
| Lead | 7439-92-1 | LA-505-411 | DU | < 225 | ug/L | | | 5.00 | 2.2e + 02 | | 08/04/08 |
| Molybdenum | 7439-98-7 | LA-505-411 | DU | < 25.0 | ug/L | | | 5.00 | 25 | | 08/04/08 |
| Strontium | 7440-24-6 | LA-505-411 | D | 108 | ug/L | | | 5.00 | 20 | | 08/04/08 |
| Arsenic | 7440-38-2 | LA-505-411 | DU | < 390 | ug/L | | | 5.00 | 3.9e + 02 | | 08/04/08 |

MDL=Minimum Detection Limit

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Report WGPP/ver. 5.2

Groundwater Remediation Program

B - The analyte < the RDL but > = the IDL/MDL (inorg)

D - Analyte was identified at a secondary dilution factor(inorg)

U - Analyzed for but not detected above limiting criteria(inorg)

D - Analyte was identified at a secondary dilution factor

N - Spike sample recovery is outside control limits.(inorg)

WSCF ANALYTICAL RESULTS REPORT

Attention: Steve Trent
 SAF Number: F06-027
 Sample # W08GR02292
 Client ID: B1W787

TRENT
WSCF

Matrix: WATER

Group #: WSCF20081359
 Department: Inorganic
 Sampled: 07/07/08
 Received: 07/07/08

| Test Performed | CAS # | Method | RQ | Result | Unit | TP Err | Unit | DF | MDL | PQL | Analysis Date |
|--|------------|------------|----|------------|------|--------|------|-------|-----------|-----|-----------------|
| Anions by Ion Chromatography | | | | | | | | | | | |
| Fluoride | 16984-48-8 | LA-533-410 | DU | < 0.210 | mg/L | | | 10.00 | 0.21 | | 07/08/08 |
| Chloride | 16887-00-6 | LA-533-410 | DN | 168 | mg/L | | | 10.00 | 1.1 | | 07/08/08 |
| Nitrogen in Nitrite | NO2-N | LA-533-410 | DU | < 0.0990 | mg/L | | | 10.00 | 0.099 | | 07/08/08 |
| Nitrogen in Nitrate | NO3-N | LA-533-410 | DU | < 0.360 | mg/L | | | 10.00 | 0.36 | | 07/08/08 |
| Phosphate (P) by IC | PO4-P | LA-533-410 | D | 229 | mg/L | | | 20.00 | 0.64 | | 07/08/08 |
| Sulfate | 14808-79-8 | LA-533-410 | BD | 3.15 | mg/L | | | 10.00 | 0.77 | | 07/08/08 |
| ICP Metals Analysis, Grd H20 P Prep | | | | | | | | | | | 07/25/08 |
| ICP Metals Analysis, Grd H20 P | | | | | | | | | | | |
| Aluminum | 7429-90-5 | LA-505-411 | DU | < 260 | ug/L | | | 5.00 | 2.6e + 02 | | 08/04/08 |
| Iron | 7439-89-6 | LA-505-411 | D | 1.01e + 03 | ug/L | | | 5.00 | 1.2e + 02 | | 08/04/08 |
| Magnesium | 7439-95-4 | LA-505-411 | DN | 5.10e + 03 | ug/L | | | 5.00 | 2.5e + 02 | | 08/04/08 |
| Manganese | 7439-96-5 | LA-505-411 | D | 1.26e + 03 | ug/L | | | 5.00 | 20 | | 08/04/08 |
| Nickel | 7440-02-0 | LA-505-411 | DU | < 20.0 | ug/L | | | 5.00 | 20 | | 08/04/08 |
| Potassium | 7440-09-7 | LA-505-411 | D | 3.60e + 03 | ug/L | | | 5.00 | 8.5e + 02 | | 08/04/08 |
| Silver | 7440-22-4 | LA-505-411 | DU | < 25.0 | ug/L | | | 5.00 | 25 | | 08/04/08 |
| Sodium | 7440-23-5 | LA-505-411 | D | 7.94e + 05 | ug/L | | | 5.00 | 2.6e + 02 | | 08/04/08 |
| Antimony | 7440-36-0 | LA-505-411 | DU | < 280 | ug/L | | | 5.00 | 2.8e + 02 | | 08/04/08 |
| Barium | 7440-39-3 | LA-505-411 | DU | < 20.0 | ug/L | | | 5.00 | 20 | | 08/04/08 |
| Cadmium | 7440-43-9 | LA-505-411 | DU | < 20.0 | ug/L | | | 5.00 | 20 | | 08/04/08 |
| Chromium | 7440-47-3 | LA-505-411 | DU | < 65.0 | ug/L | | | 5.00 | 65 | | 08/04/08 |
| Cobalt | 7440-48-4 | LA-505-411 | DU | < 20.0 | ug/L | | | 5.00 | 20 | | 08/04/08 |
| Copper | 7440-50-8 | LA-505-411 | DU | < 30.0 | ug/L | | | 5.00 | 30 | | 08/04/08 |
| Vanadium | 7440-62-2 | LA-505-411 | DU | < 60.0 | ug/L | | | 5.00 | 60 | | 08/04/08 |
| Zinc | 7440-66-6 | LA-505-411 | DU | < 45.0 | ug/L | | | 5.00 | 45 | | 08/04/08 |

MDL = Minimum Detection Limit

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TP Err = Total Propagated Error

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U - Analyzed for but not detected above limiting criteria (inorg)

D - Analyte was identified at a secondary dilution factor

N - Spike sample recovery is outside control limits. (inorg)

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Report WGPP/ver. 5.2

Groundwater Remediation Program

WSCF ANALYTICAL RESULTS REPORT

Attention: Steve Trent
SAF Number: F06-027
Sample # W08GR02292
Client ID: B1W787

TRENT
 WSCF

Matrix: WATER

Group #: WSCF20081359
Department: Inorganic
Sampled: 07/07/08
Received: 07/07/08

| Test Performed | CAS # | Method | RQ | Result | Unit | TP Err | Unit | DF | MDL | PQL | Analysis Date |
|----------------|-----------|------------|----|----------|------|--------|------|------|---------|-----|---------------|
| Calcium | 7440-70-2 | LA-505-411 | D | 1.81e+04 | ug/L | | | 5.00 | 3.6e+02 | | 08/04/08 |
| Lead | 7439-92-1 | LA-505-411 | DU | < 225 | ug/L | | | 5.00 | 2.2e+02 | | 08/04/08 |
| Molybdenum | 7439-98-7 | LA-505-411 | DU | < 25.0 | ug/L | | | 5.00 | 25 | | 08/04/08 |
| Strontium | 7440-24-8 | LA-505-411 | D | 194 | ug/L | | | 5.00 | 20 | | 08/04/08 |
| Arsenic | 7440-38-2 | LA-505-411 | DU | < 390 | ug/L | | | 5.00 | 3.9e+02 | | 08/04/08 |

MDL=Minimum Detection Limit

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Report WGPP/ver. 5.2

Groundwater Remediation Program

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WSCF

ANALYTICAL RESULTS REPORT

Attention: Steve Trent
SAF Number: F06-027
Sample # W08GR02293
Client ID: B1W788

TRENT
WSCF

Matrix: WATER

Group #: WSCF20081359
Department: Inorganic
Sampled: 07/07/08
Received: 07/07/08

| Test Performed | CAS # | Method | RQ | Result | Unit | TP Err | Unit | DF | MDL | PQL | Analysis Date |
|--|------------|------------|----|------------|------|--------|------|-------|-----------|-----|-----------------|
| Anions by Ion Chromatography | | | | | | | | | | | |
| Fluoride | 16984-48-8 | LA-533-410 | DU | < 0.210 | mg/L | | | 10.00 | 0.21 | | 07/08/08 |
| Chloride | 16887-00-6 | LA-533-410 | D | 194 | mg/L | | | 51.00 | 5.6 | | 07/08/08 |
| Nitrogen in Nitrite | NO2-N | LA-533-410 | DU | < 0.0990 | mg/L | | | 10.00 | 0.099 | | 07/08/08 |
| Nitrogen in Nitrate | NO3-N | LA-533-410 | DU | < 0.360 | mg/L | | | 10.00 | 0.36 | | 07/08/08 |
| Phosphate (P) by IC | PO4-P | LA-533-410 | D | 304 | mg/L | | | 51.00 | 1.6 | | 07/08/08 |
| Sulfate | 14808-79-8 | LA-533-410 | BD | 7.16 | mg/L | | | 10.00 | 0.77 | | 07/08/08 |
| ICP Metals Analysis, Grd H20 P Prep | | | | | | | | | | | 07/25/08 |
| ICP Metals Analysis, Grd H20 P | | | | | | | | | | | |
| Aluminum | 7429-90-5 | LA-505-411 | DU | < 260 | ug/L | | | 5.00 | 2.6e + 02 | | 08/04/08 |
| Iron | 7439-89-6 | LA-505-411 | DU | < 125 | ug/L | | | 5.00 | 1.2e + 02 | | 08/04/08 |
| Magnesium | 7439-95-4 | LA-505-411 | DN | 9.07e + 03 | ug/L | | | 5.00 | 2.5e + 02 | | 08/04/08 |
| Manganese | 7439-96-5 | LA-505-411 | D | 1.57e + 03 | ug/L | | | 5.00 | 20 | | 08/04/08 |
| Nickel | 7440-02-0 | LA-505-411 | DU | < 20.0 | ug/L | | | 5.00 | 20 | | 08/04/08 |
| Potassium | 7440-09-7 | LA-505-411 | D | 5.13e + 03 | ug/L | | | 5.00 | 8.5e + 02 | | 08/04/08 |
| Silver | 7440-22-4 | LA-505-411 | DU | < 25.0 | ug/L | | | 5.00 | 25 | | 08/04/08 |
| Sodium | 7440-23-5 | LA-505-411 | D | 1.12e + 06 | ug/L | | | 5.00 | 2.6e + 02 | | 08/04/08 |
| Antimony | 7440-36-0 | LA-505-411 | DU | < 280 | ug/L | | | 5.00 | 2.8e + 02 | | 08/04/08 |
| Barium | 7440-39-3 | LA-505-411 | D | 54.0 | ug/L | | | 5.00 | 20 | | 08/04/08 |
| Cadmium | 7440-43-9 | LA-505-411 | DU | < 20.0 | ug/L | | | 5.00 | 20 | | 08/04/08 |
| Chromium | 7440-47-3 | LA-505-411 | DU | < 65.0 | ug/L | | | 5.00 | 65 | | 08/04/08 |
| Cobalt | 7440-48-4 | LA-505-411 | DU | < 20.0 | ug/L | | | 5.00 | 20 | | 08/04/08 |
| Copper | 7440-50-8 | LA-505-411 | DU | < 30.0 | ug/L | | | 5.00 | 30 | | 08/04/08 |
| Vanadium | 7440-62-2 | LA-505-411 | DU | < 60.0 | ug/L | | | 5.00 | 60 | | 08/04/08 |
| Zinc | 7440-66-6 | LA-505-411 | DU | < 45.0 | ug/L | | | 5.00 | 45 | | 08/04/08 |

MDL = Minimum Detection Limit

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U - Analyzed for but not detected above limiting criteria(inorg)

D - Analyte was identified at a secondary dilution factor

N - Spike sample recovery is outside control limits.(inorg)

WSCF

ANALYTICAL RESULTS REPORT

Attention: Steve Trent
SAF Number: F06-027
Sample # W08GR02293
Client ID: B1W788

TRENT
 WSCF

Matrix: WATER

Group #: WSCF20081359
Department: Inorganic
Sampled: 07/07/08
Received: 07/07/08

| Test Performed | CAS # | Method | RQ | Result | Unit | TP Err | Unit | DF | MDL | PQL | Analysis Date |
|----------------|-----------|------------|----|------------|------|--------|------|------|-----------|-----|---------------|
| Calcium | 7440-70-2 | LA-505-411 | D | 1.85e + 04 | ug/L | | | 5.00 | 3.6e + 02 | | 08/04/08 |
| Lead | 7439-92-1 | LA-505-411 | DU | < 225 | ug/L | | | 5.00 | 2.2e + 02 | | 08/04/08 |
| Molybdenum | 7439-98-7 | LA-505-411 | DU | < 25.0 | ug/L | | | 5.00 | 25 | | 08/04/08 |
| Strontium | 7440-24-6 | LA-505-411 | D | 205 | ug/L | | | 5.00 | 20 | | 08/04/08 |
| Arsenic | 7440-38-2 | LA-505-411 | DU | < 390 | ug/L | | | 5.00 | 3.9e + 02 | | 08/04/08 |

MDL=Minimum Detection Limit

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Report WGPP/ver. 5.2

Groundwater Remediation Program

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D - Analyte was identified at a secondary dilution factor

N - Spike sample recovery is outside control limits.(inorg)

WSCF ANALYTICAL RESULTS REPORT

Attention: Steve Trent
SAF Number: F06-027
Sample # W08GR02294
Client ID: B1W789

TRENT
WSCF

Matrix: WATER

Group #: WSCF20081359
Department: Inorganic
Sampled: 07/07/08
Received: 07/07/08

| Test Performed | CAS # | Method | RQ | Result | Unit | TP Err | Unit | DF | MDL | PQL | Analysis Date |
|--|------------|------------|----|------------|------|--------|------|-------|-----------|-----|-----------------|
| Anions by Ion Chromatography | | | | | | | | | | | |
| Fluoride | 16984-48-8 | LA-533-410 | DU | < 0.210 | mg/L | | | 10.00 | 0.21 | | 07/09/08 |
| Chloride | 16887-00-6 | LA-533-410 | DN | 114 | mg/L | | | 10.00 | 1.1 | | 07/09/08 |
| Nitrogen in Nitrite | NO2-N | LA-533-410 | DU | < 0.0990 | mg/L | | | 10.00 | 0.099 | | 07/09/08 |
| Nitrogen in Nitrate | NO3-N | LA-533-410 | DU | < 0.360 | mg/L | | | 10.00 | 0.36 | | 07/09/08 |
| Phosphate (P) by IC | PO4-P | LA-533-410 | D | 40.3 | mg/L | | | 10.00 | 0.32 | | 07/09/08 |
| Sulfate | 14808-79-8 | LA-533-410 | D | 11.8 | mg/L | | | 10.00 | 0.77 | | 07/09/08 |
| ICP Metals Analysis, Grd H20 P Prep | | | | | | | | | | | 07/25/08 |
| ICP Metals Analysis, Grd H20 P | | | | | | | | | | | |
| Aluminum | 7429-90-5 | LA-505-411 | DU | < 260 | ug/L | | | 5.00 | 2.6e + 02 | | 08/04/08 |
| Iron | 7439-89-6 | LA-505-411 | D | 1.44e + 03 | ug/L | | | 5.00 | 1.2e + 02 | | 08/04/08 |
| Magnesium | 7439-95-4 | LA-505-411 | DN | 2.46e + 04 | ug/L | | | 5.00 | 2.5e + 02 | | 08/04/08 |
| Manganese | 7439-96-5 | LA-505-411 | D | 2.45e + 03 | ug/L | | | 5.00 | 20 | | 08/04/08 |
| Nickel | 7440-02-0 | LA-505-411 | DU | < 20.0 | ug/L | | | 5.00 | 20 | | 08/04/08 |
| Potassium | 7440-09-7 | LA-505-411 | D | 4.13e + 03 | ug/L | | | 5.00 | 8.5e + 02 | | 08/04/08 |
| Silver | 7440-22-4 | LA-505-411 | DU | < 25.0 | ug/L | | | 5.00 | 25 | | 08/04/08 |
| Sodium | 7440-23-5 | LA-505-411 | D | 2.68e + 05 | ug/L | | | 5.00 | 2.6e + 02 | | 08/04/08 |
| Antimony | 7440-36-0 | LA-505-411 | DU | < 280 | ug/L | | | 5.00 | 2.8e + 02 | | 08/04/08 |
| Barium | 7440-39-3 | LA-505-411 | D | 84.0 | ug/L | | | 5.00 | 20 | | 08/04/08 |
| Cadmium | 7440-43-9 | LA-505-411 | DU | < 20.0 | ug/L | | | 5.00 | 20 | | 08/04/08 |
| Chromium | 7440-47-3 | LA-505-411 | DU | < 65.0 | ug/L | | | 5.00 | 65 | | 08/04/08 |
| Cobalt | 7440-48-4 | LA-505-411 | DU | < 20.0 | ug/L | | | 5.00 | 20 | | 08/04/08 |
| Copper | 7440-50-8 | LA-505-411 | DU | < 30.0 | ug/L | | | 5.00 | 30 | | 08/04/08 |
| Vanadium | 7440-62-2 | LA-505-411 | DU | < 60.0 | ug/L | | | 5.00 | 60 | | 08/04/08 |
| Zinc | 7440-66-6 | LA-505-411 | DU | < 45.0 | ug/L | | | 5.00 | 45 | | 08/04/08 |

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U - Analyzed for but not detected above limiting criteria (inorg)

D - Analyte was identified at a secondary dilution factor

N - Spike sample recovery is outside control limits. (inorg)

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Report WGPP/ver. 5.2

Groundwater Remediation Program

WSCF

ANALYTICAL RESULTS REPORT

Attention: Steve Trent
SAF Number: F06-027
Sample # W08GR02294
Client ID: B1W789

TRENT
 WSCF

Matrix: WATER

Group #: WSCF20081359
Department: Inorganic
Sampled: 07/07/08
Received: 07/07/08

| Test Performed | CAS # | Method | RQ | Result | Unit | TP Err | Unit | DF | MDL | PQL | Analysis Date |
|----------------|-----------|------------|----|----------|------|--------|------|------|---------|-----|---------------|
| Calcium | 7440-70-2 | LA-505-411 | D | 1.14e+05 | ug/L | | | 5.00 | 3.6e+02 | | 08/04/08 |
| Lead | 7439-92-1 | LA-505-411 | DU | < 225 | ug/L | | | 5.00 | 2.2e+02 | | 08/04/08 |
| Molybdenum | 7439-98-7 | LA-505-411 | DU | < 25.0 | ug/L | | | 5.00 | 25 | | 08/04/08 |
| Strontium | 7440-24-6 | LA-505-411 | D | 463 | ug/L | | | 5.00 | 20 | | 08/04/08 |
| Arsenic | 7440-38-2 | LA-505-411 | DU | < 390 | ug/L | | | 5.00 | 3.9e+02 | | 08/04/08 |

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Report WGPP/ver. 5.2

Groundwater Remediation Program

WSCF

ANALYTICAL RESULTS REPORT

Attention: Steve Trent
SAF Number: F06-027
Sample # W08GR02295
Client ID: B1W790

TRENT
WSCF

Matrix: WATER

Group #: WSCF20081359
Department: Inorganic
Sampled: 07/07/08
Received: 07/07/08

| Test Performed | CAS # | Method | RQ | Result | Unit | TP Err | Unit | DF | MDL | PQL | Analysis Date |
|--|------------|------------|----|------------|------|--------|------|-------|-----------|-----|-----------------|
| Anions by Ion Chromatography | | | | | | | | | | | |
| Fluoride | 16984-48-8 | LA-533-410 | DU | < 0.210 | mg/L | | | 10.00 | 0.21 | | 07/09/08 |
| Chloride | 16887-00-6 | LA-533-410 | D | 22.4 | mg/L | | | 10.00 | 1.1 | | 07/09/08 |
| Nitrogen in Nitrite | NO2-N | LA-533-410 | DU | < 0.0990 | mg/L | | | 10.00 | 0.099 | | 07/09/08 |
| Nitrogen in Nitrate | NO3-N | LA-533-410 | DU | < 0.360 | mg/L | | | 10.00 | 0.36 | | 07/09/08 |
| Phosphate (P) by IC | PO4-P | LA-533-410 | D | 14.1 | mg/L | | | 10.00 | 0.32 | | 07/09/08 |
| Sulfate | 14808-79-8 | LA-533-410 | BD | 9.62 | mg/L | | | 10.00 | 0.77 | | 07/09/08 |
| ICP Metals Analysis, Grd H20 P Prep | | | | | | | | | | | 07/25/08 |
| ICP Metals Analysis, Grd H20 P | | | | | | | | | | | |
| Aluminum | 7429-90-5 | LA-505-411 | DU | < 260 | ug/L | | | 5.00 | 2.6e + 02 | | 08/04/08 |
| Iron | 7439-89-6 | LA-505-411 | D | 415 | ug/L | | | 5.00 | 1.2e + 02 | | 08/04/08 |
| Magnesium | 7439-95-4 | LA-505-411 | DN | 3.31e + 03 | ug/L | | | 5.00 | 2.5e + 02 | | 08/04/08 |
| Manganese | 7439-96-5 | LA-505-411 | D | 436 | ug/L | | | 5.00 | 20 | | 08/04/08 |
| Nickel | 7440-02-0 | LA-505-411 | DU | < 20.0 | ug/L | | | 5.00 | 20 | | 08/04/08 |
| Potassium | 7440-09-7 | LA-505-411 | D | 1.41e + 03 | ug/L | | | 5.00 | 8.5e + 02 | | 08/04/08 |
| Silver | 7440-22-4 | LA-505-411 | DU | < 25.0 | ug/L | | | 5.00 | 25 | | 08/04/08 |
| Sodium | 7440-23-5 | LA-505-411 | D | 6.32e + 04 | ug/L | | | 5.00 | 2.6e + 02 | | 08/04/08 |
| Antimony | 7440-36-0 | LA-505-411 | DU | < 280 | ug/L | | | 5.00 | 2.8e + 02 | | 08/04/08 |
| Barium | 7440-39-3 | LA-505-411 | DU | < 20.0 | ug/L | | | 5.00 | 20 | | 08/04/08 |
| Cadmium | 7440-43-9 | LA-505-411 | DU | < 20.0 | ug/L | | | 5.00 | 20 | | 08/04/08 |
| Chromium | 7440-47-3 | LA-505-411 | DU | < 65.0 | ug/L | | | 5.00 | 65 | | 08/04/08 |
| Cobalt | 7440-48-4 | LA-505-411 | DU | < 20.0 | ug/L | | | 5.00 | 20 | | 08/04/08 |
| Copper | 7440-50-8 | LA-505-411 | DU | < 30.0 | ug/L | | | 5.00 | 30 | | 08/04/08 |
| Vanadium | 7440-62-2 | LA-505-411 | DU | < 60.0 | ug/L | | | 5.00 | 60 | | 08/04/08 |
| Zinc | 7440-66-6 | LA-505-411 | D | 164 | ug/L | | | 5.00 | 45 | | 08/04/08 |

MDL=Minimum Detection Limit

RQ=Result Qualifier

TP Err=Total Propagated Error

DF=Dilution Factor

* - Indicates results that have NOT been validated;

+ - Indicates more than six qualifier symbols

B - The analyte < the RDL but > = the IDL/MDL (inorg)

D - Analyte was identified at a secondary dilution factor(inorg)

U - Analyzed for but not detected above limiting criteria(inorg)

D - Analyte was identified at a secondary dilution factor

N - Spike sample recovery is outside control limits.(inorg)

WSCF ANALYTICAL RESULTS REPORT

Attention: Steve Trent
SAF Number: F06-027
Sample # W08GR02295
Client ID: B1W790

TRENT
 WSCF

Matrix: WATER

Group #: WSCF20081359
Department: Inorganic
Sampled: 07/07/08
Received: 07/07/08

| Test Performed | CAS # | Method | RQ | Result | Unit | TP Err | Unit | DF | MDL | PQL | Analysis Date |
|----------------|-----------|------------|----|----------|------|--------|------|------|---------|-----|---------------|
| Calcium | 7440-70-2 | LA-505-411 | D | 1.93e+04 | ug/L | | | 5.00 | 3.6e+02 | | 08/04/08 |
| Lead | 7439-92-1 | LA-505-411 | DU | < 225 | ug/L | | | 5.00 | 2.2e+02 | | 08/04/08 |
| Molybdenum | 7439-98-7 | LA-505-411 | DU | < 25.0 | ug/L | | | 5.00 | 25 | | 08/04/08 |
| Strontium | 7440-24-6 | LA-505-411 | D | 59.6 | ug/L | | | 5.00 | 20 | | 08/04/08 |
| Arsenic | 7440-38-2 | LA-505-411 | DU | < 390 | ug/L | | | 5.00 | 3.9e+02 | | 08/04/08 |

MDL=Minimum Detection Limit

RQ=Result Qualifier

TP Err=Total Propagated Error

DF=Dilution Factor

* - Indicates results that have NOT been validated;

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D - Analyte was identified at a secondary dilution factor(inorg)

U - Analyzed for but not detected above limiting criteria(inorg)

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N - Spike sample recovery is outside control limits.(inorg)

Report WGPP/ver. 5.2

Groundwater Remediation Program

WSCF

ANALYTICAL RESULTS REPORT

Attention: Steve Trent
SAF Number: F06-027
Sample # W08GR02296
Client ID: B1W791

TRENT
 WSCF

Matrix: WATER

Group #: WSCF20081359
Department: Inorganic
Sampled: 07/07/08
Received: 07/07/08

| Test Performed | CAS # | Method | RQ | Result | Unit | TP Err | Unit | DF | MDL | PQL | Analysis Date |
|--|------------|------------|----|----------|------|--------|------|-------|---------|-----|-----------------|
| Anions by Ion Chromatography | | | | | | | | | | | |
| Fluoride | 16984-48-8 | LA-533-410 | DU | < 0.210 | mg/L | | | 10.00 | 0.21 | | 07/08/08 |
| Chloride | 16887-00-6 | LA-533-410 | D | 208 | mg/L | | | 51.00 | 5.6 | | 07/08/08 |
| Nitrogen in Nitrite | NO2-N | LA-533-410 | DU | < 0.0990 | mg/L | | | 10.00 | 0.099 | | 07/08/08 |
| Nitrogen in Nitrate | NO3-N | LA-533-410 | DU | < 0.360 | mg/L | | | 10.00 | 0.36 | | 07/08/08 |
| Phosphate (P) by IC | PO4-P | LA-533-410 | D | 356 | mg/L | | | 51.00 | 1.6 | | 07/08/08 |
| Sulfate | 14808-79-8 | LA-533-410 | BD | 9.28 | mg/L | | | 10.00 | 0.77 | | 07/08/08 |
| ICP Metals Analysis, Grd H20 P Prep | | | | | | | | | | | 07/25/08 |
| ICP Metals Analysis, Grd H20 P | | | | | | | | | | | |
| Aluminum | 7429-90-5 | LA-505-411 | DU | < 260 | ug/L | | | 5.00 | 2.6e+02 | | 08/04/08 |
| Iron | 7439-89-6 | LA-505-411 | D | 191 | ug/L | | | 5.00 | 1.2e+02 | | 08/04/08 |
| Magnesium | 7439-95-4 | LA-505-411 | DN | 7.08e+03 | ug/L | | | 5.00 | 2.5e+02 | | 08/04/08 |
| Manganese | 7439-96-5 | LA-505-411 | D | 1.19e+03 | ug/L | | | 5.00 | 20 | | 08/04/08 |
| Nickel | 7440-02-0 | LA-505-411 | DU | < 20.0 | ug/L | | | 5.00 | 20 | | 08/04/08 |
| Potassium | 7440-09-7 | LA-505-411 | D | 4.71e+03 | ug/L | | | 5.00 | 8.5e+02 | | 08/04/08 |
| Silver | 7440-22-4 | LA-505-411 | DU | < 25.0 | ug/L | | | 5.00 | 25 | | 08/04/08 |
| Sodium | 7440-23-5 | LA-505-411 | D | 1.03e+06 | ug/L | | | 5.00 | 2.6e+02 | | 08/04/08 |
| Antimony | 7440-36-0 | LA-505-411 | DU | < 280 | ug/L | | | 5.00 | 2.8e+02 | | 08/04/08 |
| Barium | 7440-39-3 | LA-505-411 | D | 41.0 | ug/L | | | 5.00 | 20 | | 08/04/08 |
| Cadmium | 7440-43-9 | LA-505-411 | DU | < 20.0 | ug/L | | | 5.00 | 20 | | 08/04/08 |
| Chromium | 7440-47-3 | LA-505-411 | DU | < 65.0 | ug/L | | | 5.00 | 65 | | 08/04/08 |
| Cobalt | 7440-48-4 | LA-505-411 | DU | < 20.0 | ug/L | | | 5.00 | 20 | | 08/04/08 |
| Copper | 7440-50-8 | LA-505-411 | DU | < 30.0 | ug/L | | | 5.00 | 30 | | 08/04/08 |
| Vanadium | 7440-62-2 | LA-505-411 | DU | < 60.0 | ug/L | | | 5.00 | 60 | | 08/04/08 |
| Zinc | 7440-66-6 | LA-505-411 | DU | < 45.0 | ug/L | | | 5.00 | 45 | | 08/04/08 |

MDL=Minimum Detection Limit

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TP Err=Total Propagated Error

DF=Dilution Factor

* - Indicates results that have NOT been validated;

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N - Spike sample recovery is outside control limits.(inorg)

Report WGPP/ver. 5.2

Groundwater Remediation Program

40 of 64

WSCF ANALYTICAL RESULTS REPORT

Attention: Steve Trent
SAF Number: F06-027
Sample # W08GR02296
Client ID: B1W791

TRENT
WSCF

Matrix: WATER

Group #: WSCF20081359
Department: Inorganic
Sampled: 07/07/08
Received: 07/07/08

| Test Performed | CAS # | Method | RQ | Result | Unit | TP Err | Unit | DF | MDL | PQL | Analysis Date |
|----------------|-----------|------------|----|----------|------|--------|------|------|---------|-----|---------------|
| Calcium | 7440-70-2 | LA-505-411 | D | 1.50e+04 | ug/L | | | 5.00 | 3.6e+02 | | 08/04/08 |
| Lead | 7439-92-1 | LA-505-411 | DU | < 225 | ug/L | | | 5.00 | 2.2e+02 | | 08/04/08 |
| Molybdenum | 7439-98-7 | LA-505-411 | DU | < 25.0 | ug/L | | | 5.00 | 25 | | 08/04/08 |
| Strontium | 7440-24-6 | LA-505-411 | D | 190 | ug/L | | | 5.00 | 20 | | 08/04/08 |
| Arsenic | 7440-38-2 | LA-505-411 | DU | < 390 | ug/L | | | 5.00 | 3.9e+02 | | 08/04/08 |

MDL=Minimum Detection Limit
RQ=Result Qualifier
TP Err=Total Propagated Error
DF=Dilution Factor

B - The analyte < the RDL but > = the IDL/MDL (inorg)
 D - Analyte was identified at a secondary dilution factor(inorg)
 U - Analyzed for but not detected above limiting criteria(inorg)

D - Analyte was identified at a secondary dilution factor
 N - Spike sample recovery is outside control limits.(inorg)

* - Indicates results that have NOT been validated; + - Indicates more than six qualifier symbols

Report WGPP/ver. 5.2
Groundwater Remediation Program

WSCF ANALYTICAL LABORATORY QC REPORT

Department: Inorganic

SDG Number: WSCF20081359
 Matrix: WATER
 Test: Anions by Ion Chromatography

Sample Date: 07/07/08
 Receive Date: 07/07/08

| QC Type | Analyte | CAS # | QC Found | QC Yield | Units | Lower Limit | Upper Limit | RPD(%) | RPD Limit | RQ | Analysis Date |
|--|---------------------|------------|----------|----------|---------|-------------|-------------|--------|-----------|----|---------------|
| Lab ID: W08GR02290 | | | | | | | | | | | |
| BATCH QC ASSOCIATED WITH SAMPLE | | | | | | | | | | | |
| DUP | Chloride | 16887-00-6 | 78.121 | | RPD | | | 1.199 | 20.000 | | 07/08/08 |
| DUP | Fluoride | 16984-48-8 | <0.21 | | RPD | | | n/a | 20.000 | U | 07/08/08 |
| DUP | Nitrogen in Nitrite | NO2-N | <9.9e-2 | | RPD | | | n/a | 20.000 | U | 07/08/08 |
| DUP | Nitrogen in Nitrate | NO3-N | <0.36 | | RPD | | | n/a | 20.000 | U | 07/08/08 |
| DUP | Phosphate (P) by IC | PO4-P | 75.2057 | | RPD | | | 0.568 | 20.000 | | 07/08/08 |
| DUP | Sulfate | 14808-79-8 | <0.77 | | RPD | | | n/a | 20.000 | U | 07/08/08 |
| MS | Chloride | 16887-00-6 | 0.78649 | 79.044 | % Recov | 80.000 | 120.000 | | | | 07/08/08 |
| MS | Fluoride | 16984-48-8 | 0.44447 | 90.158 | % Recov | 80.000 | 120.000 | | | | 07/08/08 |
| MS | Nitrogen in Nitrite | NO2-N | 0.51042 | 103.744 | % Recov | 80.000 | 120.000 | | | | 07/08/08 |
| MS | Nitrogen in Nitrate | NO3-N | 0.46672 | 104.646 | % Recov | 80.000 | 120.000 | | | | 07/08/08 |
| MS | Phosphate (P) by IC | PO4-P | 0.88366 | 92.336 | % Recov | 80.000 | 120.000 | | | | 07/08/08 |
| MS | Sulfate | 14808-79-8 | 1.9382 | 98.888 | % Recov | 80.000 | 120.000 | | | | 07/08/08 |
| MSD | Chloride | 16887-00-6 | 0.70878 | 71.033 | % Recov | 80.000 | 120.000 | | | | 07/08/08 |
| MSD | Fluoride | 16984-48-8 | 0.45405 | 92.099 | % Recov | 80.000 | 120.000 | | | | 07/08/08 |
| MSD | Nitrogen in Nitrite | NO2-N | 0.47138 | 95.809 | % Recov | 80.000 | 120.000 | | | | 07/08/08 |
| MSD | Nitrogen in Nitrate | NO3-N | 0.44724 | 100.278 | % Recov | 80.000 | 120.000 | | | | 07/08/08 |
| MSD | Phosphate (P) by IC | PO4-P | 0.86232 | 90.107 | % Recov | 80.000 | 120.000 | | | | 07/08/08 |
| MSD | Sulfate | 14808-79-8 | 1.90705 | 97.298 | % Recov | 80.000 | 120.000 | | | | 07/08/08 |
| SPK-RPD | Chloride | 16887-00-6 | 71.033 | | RPD | | | 10.676 | 20.000 | | 07/09/08 |
| SPK-RPD | Fluoride | 16984-48-8 | 92.099 | | RPD | | | 2.132 | 20.000 | | 07/09/08 |
| SPK-RPD | Nitrogen in Nitrite | NO2-N | 95.809 | | RPD | | | 7.953 | 20.000 | | 07/09/08 |
| SPK-RPD | Nitrogen in Nitrate | NO3-N | 100.278 | | RPD | | | 4.263 | 20.000 | | 07/09/08 |
| SPK-RPD | Phosphate (P) by IC | PO4-P | 90.107 | | RPD | | | 2.444 | 20.000 | | 07/09/08 |
| SPK-RPD | Sulfate | 14808-79-8 | 97.298 | | RPD | | | 1.621 | 20.000 | | 07/09/08 |

WSCF ANALYTICAL LABORATORY QC REPORT

Department: **Inorganic**

SDG Number: WSCF20081359
 Matrix: WATER
 Test: Anions by Ion Chromatography

Sample Date:
 Receive Date:

| QC Type | Analyte | CAS # | QC Found | QC Yield | Units | Lower Limit | Upper Limit | RPD(%) | RPD Limit | RQ | Analysis Date |
|--|---------------------|------------|----------|----------|---------|-------------|-------------|--------|-----------|----|---------------|
| BATCH QC | | | | | | | | | | | |
| BLANK | Chloride | 16887-00-6 | <0.11 | n/a | mg/L | 0.000 | 0.030 | | | U | 07/09/08 |
| BLANK | Chloride | 16887-00-6 | <0.11 | n/a | mg/L | 0.000 | 0.030 | | | U | 07/08/08 |
| BLANK | Fluoride | 16984-48-8 | <2.1e-2 | n/a | mg/L | 0.000 | 0.030 | | | U | 07/09/08 |
| BLANK | Fluoride | 16984-48-8 | <2.1e-2 | n/a | mg/L | 0.000 | 0.030 | | | U | 07/08/08 |
| BLANK | Nitrogen in Nitrite | NO2-N | <9.9e-3 | n/a | mg/L | 0.000 | 0.020 | | | U | 07/09/08 |
| BLANK | Nitrogen in Nitrite | NO2-N | <9.9e-3 | n/a | mg/L | 0.000 | 0.020 | | | U | 07/08/08 |
| BLANK | Nitrogen in Nitrate | NO3-N | <3.6e-2 | n/a | mg/L | 0.000 | 0.040 | | | U | 07/08/08 |
| BLANK | Nitrogen in Nitrate | NO3-N | <3.6e-2 | n/a | mg/L | 0.000 | 0.040 | | | U | 07/09/08 |
| BLANK | Phosphate (P) by IC | PO4-P | <3.2e-2 | n/a | mg/L | 0.000 | 0.200 | | | U | 07/09/08 |
| BLANK | Phosphate (P) by IC | PO4-P | <3.2e-2 | n/a | mg/L | 0.000 | 0.200 | | | U | 07/08/08 |
| BLANK | Sulfate | 14808-79-8 | <7.7e-2 | n/a | mg/L | 0.000 | 0.200 | | | U | 07/08/08 |
| BLANK | Sulfate | 14808-79-8 | <7.7e-2 | n/a | mg/L | 0.000 | 0.200 | | | U | 07/09/08 |
| LCS | Chloride | 16887-00-6 | 197.7734 | 98.395 | % Recov | 80.000 | 120.000 | | | | 07/08/08 |
| LCS | Fluoride | 16984-48-8 | 102.6516 | 103.064 | % Recov | 80.000 | 120.000 | | | | 07/08/08 |
| LCS | Nitrogen in Nitrite | NO2-N | 101.8556 | 102.470 | % Recov | 80.000 | 120.000 | | | | 07/08/08 |
| LCS | Nitrogen in Nitrate | NO3-N | 91.5599 | 101.620 | % Recov | 80.000 | 120.000 | | | | 07/08/08 |
| LCS | Phosphate (P) by IC | PO4-P | 186.3492 | 96.354 | % Recov | 80.000 | 120.000 | | | | 07/08/08 |
| LCS | Sulfate | 14808-79-8 | 392.6255 | 99.148 | % Recov | 80.000 | 120.000 | | | | 07/08/08 |
| Lab ID: W08GR02248 | | | | | | | | | | | |
| BATCH QC ASSOCIATED WITH SAMPLE | | | | | | | | | | | |
| DUP | Chloride | 16887-00-6 | 21.6361 | | RPD | | | 0.895 | 20.000 | | 07/08/08 |
| DUP | Fluoride | 16984-48-8 | <0.21 | | RPD | | | n/a | 20.000 | U | 07/08/08 |
| DUP | Nitrogen in Nitrite | NO2-N | <9.9e-2 | | RPD | | | n/a | 20.000 | U | 07/08/08 |
| DUP | Nitrogen in Nitrate | NO3-N | <0.36 | | RPD | | | n/a | 20.000 | U | 07/08/08 |
| DUP | Phosphate (P) by IC | PO4-P | 13.562 | | RPD | | | 0.475 | 20.000 | | 07/08/08 |
| DUP | Sulfate | 14808-79-8 | 10.4728 | | RPD | | | 0.107 | 20.000 | | 07/08/08 |
| MS | Chloride | 16887-00-6 | 0.9752 | 98.010 | % Recov | 80.000 | 120.000 | | | | 07/08/08 |

WSCF ANALYTICAL LABORATORY QC REPORT

Department: Inorganic

SDG Number: WSCF20081359
 Matrix: WATER
 Test: Anions by Ion Chromatography

Sample Date: 07/06/08
 Receive Date: 07/07/08

| QC Type | Analyte | CAS # | QC Found | QC Yield | Units | Lower Limit | Upper Limit | RPD(%) | RPD Limit | RQ | Analysis Date |
|--|---------------------|------------|----------|----------|---------|-------------|-------------|--------|-----------|----|---------------|
| MS | Fluoride | 16984-48-8 | 0.46602 | 94.527 | % Recov | 80.000 | 120.000 | | | | 07/08/08 |
| MS | Nitrogen in Nitrite | NO2-N | 0.49215 | 100.030 | % Recov | 80.000 | 120.000 | | | | 07/08/08 |
| MS | Nitrogen in Nitrate | NO3-N | 0.45933 | 102.989 | % Recov | 80.000 | 120.000 | | | | 07/08/08 |
| MS | Phosphate (P) by IC | PO4-P | 0.94492 | 98.738 | % Recov | 80.000 | 120.000 | | | | 07/08/08 |
| MS | Sulfate | 14808-79-8 | 1.94073 | 99.017 | % Recov | 80.000 | 120.000 | | | | 07/08/08 |
| MSD | Chloride | 16887-00-6 | 1.00077 | 100.580 | % Recov | 80.000 | 120.000 | | | | 07/08/08 |
| MSD | Fluoride | 16984-48-8 | 0.47137 | 95.613 | % Recov | 80.000 | 120.000 | | | | 07/08/08 |
| MSD | Nitrogen in Nitrite | NO2-N | 0.48814 | 99.215 | % Recov | 80.000 | 120.000 | | | | 07/08/08 |
| MSD | Nitrogen in Nitrate | NO3-N | 0.45079 | 101.074 | % Recov | 80.000 | 120.000 | | | | 07/08/08 |
| MSD | Phosphate (P) by IC | PO4-P | 1.00949 | 105.485 | % Recov | 80.000 | 120.000 | | | | 07/08/08 |
| MSD | Sulfate | 14808-79-8 | 1.95564 | 99.778 | % Recov | 80.000 | 120.000 | | | | 07/08/08 |
| SPK-RPD | Chloride | 16887-00-6 | 100.580 | | RPD | | | 2.588 | 20.000 | | 07/08/08 |
| SPK-RPD | Fluoride | 16984-48-8 | 95.613 | | RPD | | | 1.142 | 20.000 | | 07/08/08 |
| SPK-RPD | Nitrogen in Nitrite | NO2-N | 99.215 | | RPD | | | 0.818 | 20.000 | | 07/08/08 |
| SPK-RPD | Nitrogen in Nitrate | NO3-N | 101.074 | | RPD | | | 1.877 | 20.000 | | 07/08/08 |
| SPK-RPD | Phosphate (P) by IC | PO4-P | 105.485 | | RPD | | | 6.607 | 20.000 | | 07/08/08 |
| SPK-RPD | Sulfate | 14808-79-8 | 99.778 | | RPD | | | 0.766 | 20.000 | | 07/08/08 |
| Lab ID: W08GR02255 | | | | | | | | | | | |
| BATCH QC ASSOCIATED WITH SAMPLE | | | | | | | | | | | |
| DUP | Chloride | 16887-00-6 | <1.1 | | RPD | | | n/a | 20.000 | U | 07/08/08 |
| DUP | Fluoride | 16984-48-8 | <0.21 | | RPD | | | n/a | 20.000 | U | 07/08/08 |
| DUP | Nitrogen in Nitrite | NO2-N | <9.9e-2 | | RPD | | | n/a | 20.000 | U | 07/08/08 |
| DUP | Nitrogen in Nitrate | NO3-N | <0.36 | | RPD | | | n/a | 20.000 | U | 07/08/08 |
| DUP | Phosphate (P) by IC | PO4-P | <0.32 | | RPD | | | n/a | 20.000 | U | 07/08/08 |
| DUP | Sulfate | 14808-79-8 | 6.5034 | | RPD | | | 3.530 | 20.000 | | 07/08/08 |
| MS | Chloride | 16887-00-6 | 1.07461 | 108.001 | % Recov | 80.000 | 120.000 | | | | 07/08/08 |
| MS | Fluoride | 16984-48-8 | 0.48008 | 97.379 | % Recov | 80.000 | 120.000 | | | | 07/08/08 |
| MS | Nitrogen in Nitrite | NO2-N | 0.49535 | 100.681 | % Recov | 80.000 | 120.000 | | | | 07/08/08 |
| MS | Nitrogen in Nitrate | NO3-N | 0.47009 | 105.401 | % Recov | 80.000 | 120.000 | | | | 07/08/08 |

WSCF ANALYTICAL LABORATORY QC REPORT

Department: Inorganic

SDG Number: WSCF20081359
 Matrix: WATER
 Test: Anions by Ion Chromatography

Sample Date: 07/06/08
 Receive Date: 07/07/08

| QC Type | Analyte | CAS # | QC Found | QC Yield | Units | Lower Limit | Upper Limit | RPD(%) | RPD Limit | RQ | Analysis Date |
|---------|---------------------|------------|----------|----------|---------|-------------|-------------|--------|-----------|----|---------------|
| MS | Phosphate (P) by IC | PO4-P | 0.84087 | 87.865 | % Recov | 80.000 | 120.000 | | | | 07/08/08 |
| MS | Sulfate | 14808-79-8 | 1.93944 | 98.951 | % Recov | 80.000 | 120.000 | | | | 07/08/08 |
| MSD | Chloride | 16887-00-6 | 1.06864 | 107.401 | % Recov | 80.000 | 120.000 | | | | 07/08/08 |
| MSD | Fluoride | 16984-48-8 | 0.47086 | 95.509 | % Recov | 80.000 | 120.000 | | | | 07/08/08 |
| MSD | Nitrogen in Nitrite | NO2-N | 0.4865 | 98.882 | % Recov | 80.000 | 120.000 | | | | 07/08/08 |
| MSD | Nitrogen in Nitrate | NO3-N | 0.47314 | 106.085 | % Recov | 80.000 | 120.000 | | | | 07/08/08 |
| MSD | Phosphate (P) by IC | PO4-P | 0.8526 | 89.091 | % Recov | 80.000 | 120.000 | | | | 07/08/08 |
| MSD | Sulfate | 14808-79-8 | 2.0197 | 103.046 | % Recov | 80.000 | 120.000 | | | | 07/08/08 |
| SPK-RPD | Chloride | 16887-00-6 | 107.401 | | RPD | | | 0.557 | 20.000 | | 07/08/08 |
| SPK-RPD | Fluoride | 16984-48-8 | 95.509 | | RPD | | | 1.939 | 20.000 | | 07/08/08 |
| SPK-RPD | Nitrogen in Nitrite | NO2-N | 98.882 | | RPD | | | 1.803 | 20.000 | | 07/08/08 |
| SPK-RPD | Nitrogen in Nitrate | NO3-N | 106.085 | | RPD | | | 0.647 | 20.000 | | 07/08/08 |
| SPK-RPD | Phosphate (P) by IC | PO4-P | 89.091 | | RPD | | | 1.386 | 20.000 | | 07/08/08 |
| SPK-RPD | Sulfate | 14808-79-8 | 103.046 | | RPD | | | 4.055 | 20.000 | | 07/08/08 |

BATCH QC

| | | | | | | | | | | | |
|-------|---------------------|------------|---------|-----|------|-------|-------|--|--|---|----------|
| BLANK | Chloride | 16887-00-6 | <0.11 | n/a | mg/L | 0.000 | 0.030 | | | U | 07/08/08 |
| BLANK | Chloride | 16887-00-6 | <0.11 | n/a | mg/L | 0.000 | 0.030 | | | U | 07/08/08 |
| BLANK | Chloride | 16887-00-6 | <0.11 | n/a | mg/L | 0.000 | 0.030 | | | U | 07/08/08 |
| BLANK | Fluoride | 16984-48-8 | <2.1e-2 | n/a | mg/L | 0.000 | 0.030 | | | U | 07/08/08 |
| BLANK | Fluoride | 16984-48-8 | <2.1e-2 | n/a | mg/L | 0.000 | 0.030 | | | U | 07/08/08 |
| BLANK | Fluoride | 16984-48-8 | <2.1e-2 | n/a | mg/L | 0.000 | 0.030 | | | U | 07/08/08 |
| BLANK | Nitrogen in Nitrite | NO2-N | <9.9e-3 | n/a | mg/L | 0.000 | 0.020 | | | U | 07/08/08 |
| BLANK | Nitrogen in Nitrite | NO2-N | <9.9e-3 | n/a | mg/L | 0.000 | 0.020 | | | U | 07/08/08 |
| BLANK | Nitrogen in Nitrite | NO2-N | <9.9e-3 | n/a | mg/L | 0.000 | 0.020 | | | U | 07/08/08 |
| BLANK | Nitrogen in Nitrate | NO3-N | <3.6e-2 | n/a | mg/L | 0.000 | 0.040 | | | U | 07/08/08 |
| BLANK | Nitrogen in Nitrate | NO3-N | <3.6e-2 | n/a | mg/L | 0.000 | 0.040 | | | U | 07/08/08 |
| BLANK | Nitrogen in Nitrate | NO3-N | <3.6e-2 | n/a | mg/L | 0.000 | 0.040 | | | U | 07/08/08 |
| BLANK | Phosphate (P) by IC | PO4-P | <3.2e-2 | n/a | mg/L | 0.000 | 0.200 | | | U | 07/08/08 |
| BLANK | Phosphate (P) by IC | PO4-P | <3.2e-2 | n/a | mg/L | 0.000 | 0.200 | | | U | 07/08/08 |

WSCF ANALYTICAL LABORATORY QC REPORT

Department: Inorganic

SDG Number: WSCF20081359
 Matrix: WATER
 Test: Anions by Ion Chromatography

Sample Date:
 Receive Date:

| QC Type | Analyte | CAS # | QC Found | QC Yield | Units | Lower Limit | Upper Limit | RPD(%) | RPD Limit | RQ | Analysis Date |
|---------|---------------------|------------|----------|----------|---------|-------------|-------------|--------|-----------|----|---------------|
| BLANK | Phosphate (P) by IC | PO4-P | <3.2e-2 | n/a | mg/L | 0.000 | 0.200 | | | U | 07/08/08 |
| BLANK | Sulfate | 14808-79-8 | <7.7e-2 | n/a | mg/L | 0.000 | 0.200 | | | U | 07/08/08 |
| BLANK | Sulfate | 14808-79-8 | <7.7e-2 | n/a | mg/L | 0.000 | 0.200 | | | U | 07/08/08 |
| BLANK | Sulfate | 14808-79-8 | <7.7e-2 | n/a | mg/L | 0.000 | 0.200 | | | U | 07/08/08 |
| LCS | Chloride | 16887-00-6 | 196.648 | 97.835 | % Recov | 80.000 | 120.000 | | | | 07/08/08 |
| LCS | Chloride | 16887-00-6 | 197.1103 | 98.065 | % Recov | 80.000 | 120.000 | | | | 07/08/08 |
| LCS | Fluoride | 16984-48-8 | 101.199 | 101.605 | % Recov | 80.000 | 120.000 | | | | 07/08/08 |
| LCS | Fluoride | 16984-48-8 | 101.6277 | 102.036 | % Recov | 80.000 | 120.000 | | | | 07/08/08 |
| LCS | Nitrogen in Nitrite | NO2-N | 101.4763 | 102.089 | % Recov | 80.000 | 120.000 | | | | 07/08/08 |
| LCS | Nitrogen in Nitrite | NO2-N | 100.7729 | 101.381 | % Recov | 80.000 | 120.000 | | | | 07/08/08 |
| LCS | Nitrogen in Nitrate | NO3-N | 92.6161 | 102.793 | % Recov | 80.000 | 120.000 | | | | 07/08/08 |
| LCS | Nitrogen in Nitrate | NO3-N | 92.3986 | 102.551 | % Recov | 80.000 | 120.000 | | | | 07/08/08 |
| LCS | Phosphate (P) by IC | PO4-P | 187.0351 | 96.709 | % Recov | 80.000 | 120.000 | | | | 07/08/08 |
| LCS | Phosphate (P) by IC | PO4-P | 186.9339 | 96.657 | % Recov | 80.000 | 120.000 | | | | 07/08/08 |
| LCS | Sulfate | 14808-79-8 | 391.3553 | 98.827 | % Recov | 80.000 | 120.000 | | | | 07/08/08 |
| LCS | Sulfate | 14808-79-8 | 395.1248 | 99.779 | % Recov | 80.000 | 120.000 | | | | 07/08/08 |

Lab ID: W08GR02291
BATCH QC ASSOCIATED WITH SAMPLE

| | | | | | | | | | | | |
|-----|---------------------|------------|---------|---------|---------|--------|---------|-------|--------|---|----------|
| DUP | Chloride | 16887-00-6 | 1.3542 | | RPD | | | n/a | 20.000 | | 07/08/08 |
| DUP | Fluoride | 16984-48-8 | <0.21 | | RPD | | | n/a | 20.000 | U | 07/08/08 |
| DUP | Nitrogen in Nitrite | NO2-N | <9.9e-2 | | RPD | | | n/a | 20.000 | U | 07/08/08 |
| DUP | Nitrogen in Nitrate | NO3-N | <0.36 | | RPD | | | n/a | 20.000 | U | 07/08/08 |
| DUP | Phosphate (P) by IC | PO4-P | <0.32 | | RPD | | | n/a | 20.000 | U | 07/08/08 |
| DUP | Sulfate | 14808-79-8 | 7.2133 | | RPD | | | 3.685 | 20.000 | | 07/08/08 |
| MS | Chloride | 16887-00-6 | 1.02193 | 102.707 | % Recov | 80.000 | 120.000 | | | | 07/08/08 |
| MS | Fluoride | 16984-48-8 | 0.45881 | 93.065 | % Recov | 80.000 | 120.000 | | | | 07/08/08 |
| MS | Nitrogen in Nitrite | NO2-N | 0.46498 | 94.508 | % Recov | 80.000 | 120.000 | | | | 07/08/08 |
| MS | Nitrogen in Nitrate | NO3-N | 0.45413 | 101.823 | % Recov | 80.000 | 120.000 | | | | 07/08/08 |
| MS | Phosphate (P) by IC | PO4-P | 0.90471 | 94.536 | % Recov | 80.000 | 120.000 | | | | 07/08/08 |

WSCF ANALYTICAL LABORATORY QC REPORT

Department: Inorganic

SDG Number: WSCF20081359
 Matrix: WATER
 Test: Anions by Ion Chromatography

Sample Date: 07/07/08
 Receive Date: 07/07/08

| QC Type | Analyte | CAS # | QC Found | QC Yield | Units | Lower Limit | Upper Limit | RPD(%) | RPD Limit | RQ | Analysis Date |
|---------|---------------------|------------|----------|----------|---------|-------------|-------------|--------|-----------|----|---------------|
| MS | Sulfate | 14808-79-8 | 1.83606 | 93.677 | % Recov | 80.000 | 120.000 | | | | 07/08/08 |
| MSD | Chloride | 16887-00-6 | 1.04807 | 105.334 | % Recov | 80.000 | 120.000 | | | | 07/08/08 |
| MSD | Fluoride | 16984-48-8 | 0.46248 | 93.809 | % Recov | 80.000 | 120.000 | | | | 07/08/08 |
| MSD | Nitrogen in Nitrite | NO2-N | 0.48228 | 98.024 | % Recov | 80.000 | 120.000 | | | | 07/08/08 |
| MSD | Nitrogen in Nitrate | NO3-N | 0.46143 | 103.460 | % Recov | 80.000 | 120.000 | | | | 07/08/08 |
| MSD | Phosphate (P) by IC | PO4-P | 0.90293 | 94.350 | % Recov | 80.000 | 120.000 | | | | 07/08/08 |
| MSD | Sulfate | 14808-79-8 | 1.83416 | 93.580 | % Recov | 80.000 | 120.000 | | | | 07/08/08 |
| SPK-RPD | Chloride | 16887-00-6 | 105.334 | | RPD | | | 2.525 | 20.000 | | 07/08/08 |
| SPK-RPD | Fluoride | 16984-48-8 | 93.809 | | RPD | | | 0.796 | 20.000 | | 07/08/08 |
| SPK-RPD | Nitrogen in Nitrite | NO2-N | 98.024 | | RPD | | | 3.652 | 20.000 | | 07/08/08 |
| SPK-RPD | Nitrogen in Nitrate | NO3-N | 103.460 | | RPD | | | 1.595 | 20.000 | | 07/08/08 |
| SPK-RPD | Phosphate (P) by IC | PO4-P | 94.350 | | RPD | | | 0.197 | 20.000 | | 07/08/08 |
| SPK-RPD | Sulfate | 14808-79-8 | 93.580 | | RPD | | | 0.104 | 20.000 | | 07/08/08 |

BATCH QC

| | | | | | | | | | | | |
|-------|---------------------|------------|----------|---------|---------|--------|---------|--|--|---|----------|
| BLANK | Chloride | 16887-00-6 | <0.11 | n/a | mg/L | 0.000 | 0.030 | | | U | 07/08/08 |
| BLANK | Chloride | 16887-00-6 | <0.11 | n/a | mg/L | 0.000 | 0.030 | | | U | 07/08/08 |
| BLANK | Fluoride | 16984-48-8 | <2.1e-2 | n/a | mg/L | 0.000 | 0.030 | | | U | 07/08/08 |
| BLANK | Fluoride | 16984-48-8 | <2.1e-2 | n/a | mg/L | 0.000 | 0.030 | | | U | 07/08/08 |
| BLANK | Nitrogen in Nitrite | NO2-N | <9.9e-3 | n/a | mg/L | 0.000 | 0.020 | | | U | 07/08/08 |
| BLANK | Nitrogen in Nitrite | NO2-N | <9.9e-3 | n/a | mg/L | 0.000 | 0.020 | | | U | 07/08/08 |
| BLANK | Nitrogen in Nitrate | NO3-N | <3.6e-2 | n/a | mg/L | 0.000 | 0.040 | | | U | 07/08/08 |
| BLANK | Nitrogen in Nitrate | NO3-N | <3.6e-2 | n/a | mg/L | 0.000 | 0.040 | | | U | 07/08/08 |
| BLANK | Phosphate (P) by IC | PO4-P | <3.2e-2 | n/a | mg/L | 0.000 | 0.200 | | | U | 07/08/08 |
| BLANK | Phosphate (P) by IC | PO4-P | <3.2e-2 | n/a | mg/L | 0.000 | 0.200 | | | U | 07/08/08 |
| BLANK | Sulfate | 14808-79-8 | <7.7e-2 | n/a | mg/L | 0.000 | 0.200 | | | U | 07/08/08 |
| BLANK | Sulfate | 14808-79-8 | <7.7e-2 | n/a | mg/L | 0.000 | 0.200 | | | U | 07/08/08 |
| LCS | Chloride | 16887-00-6 | 197.2851 | 98.152 | % Recov | 80.000 | 120.000 | | | | 07/08/08 |
| LCS | Fluoride | 16984-48-8 | 105.492 | 105.916 | % Recov | 80.000 | 120.000 | | | | 07/08/08 |
| LCS | Nitrogen in Nitrite | NO2-N | 100.2667 | 100.872 | % Recov | 80.000 | 120.000 | | | | 07/08/08 |

WSCF ANALYTICAL LABORATORY QC REPORT

Department: Inorganic

SDG Number: WSCF20081359
 Matrix: WATER
 Test: Anions by Ion Chromatography

Sample Date:
 Receive Date:

| QC Type | Analyte | CAS # | QC Found | QC Yield | Units | Lower Limit | Upper Limit | RPD(%) | RPD Limit | RQ | Analysis Date |
|---------|---------------------|------------|----------|----------|---------|-------------|-------------|--------|-----------|----|---------------|
| LCS | Nitrogen in Nitrate | NO3-N | 92.0676 | 102.184 | % Recov | 80.000 | 120.000 | | | | 07/08/08 |
| LCS | Phosphate (P) by IC | PO4-P | 199.6954 | 103.255 | % Recov | 80.000 | 120.000 | | | | 07/08/08 |
| LCS | Sulfate | 14808-79-8 | 383.9685 | 96.962 | % Recov | 80.000 | 120.000 | | | | 07/08/08 |

Lab ID: W08GR02250
BATCH QC ASSOCIATED WITH SAMPLE

| | | | | | | | | | | | |
|---------|---------------------|------------|---------|--------|---------|--------|---------|--------|--------|---|----------|
| DUP | Chloride | 16887-00-6 | <1.1 | | RPD | | | n/a | 20.000 | U | 07/08/08 |
| DUP | Fluoride | 16984-48-8 | <0.21 | | RPD | | | n/a | 20.000 | U | 07/08/08 |
| DUP | Nitrogen in Nitrite | NO2-N | <9.9e-2 | | RPD | | | n/a | 20.000 | U | 07/08/08 |
| DUP | Nitrogen in Nitrate | NO3-N | <0.36 | | RPD | | | n/a | 20.000 | U | 07/08/08 |
| DUP | Phosphate (P) by IC | PO4-P | 0.3515 | | RPD | | | 29.926 | 20.000 | | 07/08/08 |
| DUP | Sulfate | 14808-79-8 | 6.242 | | RPD | | | 1.316 | 20.000 | | 07/08/08 |
| MS | Chloride | 16887-00-6 | 0.88259 | 88.703 | % Recov | 80.000 | 120.000 | | | | 07/08/08 |
| MS | Fluoride | 16984-48-8 | 0.46605 | 94.533 | % Recov | 80.000 | 120.000 | | | | 07/08/08 |
| MS | Nitrogen in Nitrite | NO2-N | 0.46054 | 93.606 | % Recov | 80.000 | 120.000 | | | | 07/08/08 |
| MS | Nitrogen in Nitrate | NO3-N | 0.43064 | 96.556 | % Recov | 80.000 | 120.000 | | | | 07/08/08 |
| MS | Phosphate (P) by IC | PO4-P | 0.90046 | 94.092 | % Recov | 80.000 | 120.000 | | | | 07/08/08 |
| MS | Sulfate | 14808-79-8 | 1.83346 | 93.544 | % Recov | 80.000 | 120.000 | | | | 07/08/08 |
| MSD | Chloride | 16887-00-6 | 0.87908 | 88.350 | % Recov | 80.000 | 120.000 | | | | 07/08/08 |
| MSD | Fluoride | 16984-48-8 | 0.46538 | 94.398 | % Recov | 80.000 | 120.000 | | | | 07/08/08 |
| MSD | Nitrogen in Nitrite | NO2-N | 0.46278 | 94.061 | % Recov | 80.000 | 120.000 | | | | 07/08/08 |
| MSD | Nitrogen in Nitrate | NO3-N | 0.43046 | 96.516 | % Recov | 80.000 | 120.000 | | | | 07/08/08 |
| MSD | Phosphate (P) by IC | PO4-P | 0.90612 | 94.683 | % Recov | 80.000 | 120.000 | | | | 07/08/08 |
| MSD | Sulfate | 14808-79-8 | 1.82651 | 93.189 | % Recov | 80.000 | 120.000 | | | | 07/08/08 |
| SPK-RPD | Chloride | 16887-00-6 | 88.350 | | RPD | | | 0.399 | 20.000 | | 07/08/08 |
| SPK-RPD | Fluoride | 16984-48-8 | 94.398 | | RPD | | | 0.143 | 20.000 | | 07/08/08 |
| SPK-RPD | Nitrogen in Nitrite | NO2-N | 94.061 | | RPD | | | 0.485 | 20.000 | | 07/08/08 |
| SPK-RPD | Nitrogen in Nitrate | NO3-N | 96.516 | | RPD | | | 0.041 | 20.000 | | 07/08/08 |
| SPK-RPD | Phosphate (P) by IC | PO4-P | 94.683 | | RPD | | | 0.626 | 20.000 | | 07/08/08 |
| SPK-RPD | Sulfate | 14808-79-8 | 93.189 | | RPD | | | 0.380 | 20.000 | | 07/08/08 |

WSCF ANALYTICAL LABORATORY QC REPORT

Department: Inorganic

SDG Number: WSCF20081359
 Matrix: WATER
 Test: Anions by Ion Chromatography

Sample Date: 07/06/08
 Receive Date: 07/07/08

| QC Type | Analyte | CAS # | QC Found | QC Yield | Units | Lower Limit | Upper Limit | RPD(%) | RPD Limit | RQ | Analysis Date |
|--|---------------------|------------|----------|----------|---------|-------------|-------------|--------|-----------|----|---------------|
| Lab ID: W08GR02264 | | | | | | | | | | | |
| BATCH QC ASSOCIATED WITH SAMPLE | | | | | | | | | | | |
| DUP | Chloride | 16887-00-6 | 1.1275 | | RPD | | | 4.049 | 20.000 | | 07/08/08 |
| DUP | Fluoride | 16984-48-8 | <0.21 | | RPD | | | n/a | 20.000 | U | 07/08/08 |
| DUP | Nitrogen in Nitrite | NO2-N | <9.9e-2 | | RPD | | | n/a | 20.000 | U | 07/08/08 |
| DUP | Nitrogen in Nitrate | NO3-N | <0.36 | | RPD | | | n/a | 20.000 | U | 07/08/08 |
| DUP | Phosphate (P) by IC | PO4-P | 0.4486 | | RPD | | | 0.711 | 20.000 | | 07/08/08 |
| DUP | Sulfate | 14808-79-8 | 6.8314 | | RPD | | | 0.617 | 20.000 | | 07/08/08 |
| MS | Chloride | 16887-00-6 | 0.90928 | 91.385 | % Recov | 80.000 | 120.000 | | | | 07/08/08 |
| MS | Fluoride | 16984-48-8 | 0.45409 | 92.108 | % Recov | 80.000 | 120.000 | | | | 07/08/08 |
| MS | Nitrogen in Nitrite | NO2-N | 0.45769 | 93.026 | % Recov | 80.000 | 120.000 | | | | 07/08/08 |
| MS | Nitrogen in Nitrate | NO3-N | 0.44612 | 100.027 | % Recov | 80.000 | 120.000 | | | | 07/08/08 |
| MS | Phosphate (P) by IC | PO4-P | 0.90913 | 94.998 | % Recov | 80.000 | 120.000 | | | | 07/08/08 |
| MS | Sulfate | 14808-79-8 | 1.85593 | 94.690 | % Recov | 80.000 | 120.000 | | | | 07/08/08 |
| MSD | Chloride | 16887-00-6 | 0.89949 | 90.401 | % Recov | 80.000 | 120.000 | | | | 07/08/08 |
| MSD | Fluoride | 16984-48-8 | 0.44647 | 90.562 | % Recov | 80.000 | 120.000 | | | | 07/08/08 |
| MSD | Nitrogen in Nitrite | NO2-N | 0.45485 | 92.449 | % Recov | 80.000 | 120.000 | | | | 07/08/08 |
| MSD | Nitrogen in Nitrate | NO3-N | 0.44081 | 98.836 | % Recov | 80.000 | 120.000 | | | | 07/08/08 |
| MSD | Phosphate (P) by IC | PO4-P | 0.88341 | 92.310 | % Recov | 80.000 | 120.000 | | | | 07/08/08 |
| MSD | Sulfate | 14808-79-8 | 1.80302 | 91.991 | % Recov | 80.000 | 120.000 | | | | 07/08/08 |
| SPK-RPD | Chloride | 16887-00-6 | 90.401 | | RPD | | | 1.083 | 20.000 | | 07/08/08 |
| SPK-RPD | Fluoride | 16984-48-8 | 90.562 | | RPD | | | 1.693 | 20.000 | | 07/08/08 |
| SPK-RPD | Nitrogen in Nitrite | NO2-N | 92.449 | | RPD | | | 0.622 | 20.000 | | 07/08/08 |
| SPK-RPD | Nitrogen in Nitrate | NO3-N | 98.836 | | RPD | | | 1.198 | 20.000 | | 07/08/08 |
| SPK-RPD | Phosphate (P) by IC | PO4-P | 92.310 | | RPD | | | 2.870 | 20.000 | | 07/08/08 |
| SPK-RPD | Sulfate | 14808-79-8 | 91.991 | | RPD | | | 2.892 | 20.000 | | 07/08/08 |
| BATCH QC | | | | | | | | | | | |
| BLANK | Chloride | 16887-00-6 | <0.11 | n/a | mg/L | 0.000 | 0.030 | | | U | 07/08/08 |

WSCF ANALYTICAL LABORATORY QC REPORT

Department: Inorganic

SDG Number: WSCF20081359
 Matrix: WATER
 Test: Anions by Ion Chromatography

Sample Date:
 Receive Date:

| QC Type | Analyte | CAS # | QC Found | QC Yield | Units | Lower Limit | Upper Limit | RPD(%) | RPD Limit | RQ | Analysis Date |
|---------|---------------------|------------|----------|----------|---------|-------------|-------------|--------|-----------|----|---------------|
| BLANK | Chloride | 16887-00-6 | <0.11 | n/a | mg/L | 0.000 | 0.030 | | | U | 07/08/08 |
| BLANK | Chloride | 16887-00-6 | <0.11 | n/a | mg/L | 0.000 | 0.030 | | | U | 07/08/08 |
| BLANK | Fluoride | 16984-48-8 | <2.1e-2 | n/a | mg/L | 0.000 | 0.030 | | | U | 07/08/08 |
| BLANK | Fluoride | 16984-48-8 | <2.1e-2 | n/a | mg/L | 0.000 | 0.030 | | | U | 07/08/08 |
| BLANK | Fluoride | 16984-48-8 | <2.1e-2 | n/a | mg/L | 0.000 | 0.030 | | | U | 07/08/08 |
| BLANK | Nitrogen in Nitrite | NO2-N | <9.9e-3 | n/a | mg/L | 0.000 | 0.020 | | | U | 07/08/08 |
| BLANK | Nitrogen in Nitrite | NO2-N | <9.9e-3 | n/a | mg/L | 0.000 | 0.020 | | | U | 07/08/08 |
| BLANK | Nitrogen in Nitrite | NO2-N | <9.9e-3 | n/a | mg/L | 0.000 | 0.020 | | | U | 07/08/08 |
| BLANK | Nitrogen in Nitrate | NO3-N | <3.6e-2 | n/a | mg/L | 0.000 | 0.040 | | | U | 07/08/08 |
| BLANK | Nitrogen in Nitrate | NO3-N | <3.6e-2 | n/a | mg/L | 0.000 | 0.040 | | | U | 07/08/08 |
| BLANK | Nitrogen in Nitrate | NO3-N | <3.6e-2 | n/a | mg/L | 0.000 | 0.040 | | | U | 07/08/08 |
| BLANK | Phosphate (P) by IC | PO4-P | <3.2e-2 | n/a | mg/L | 0.000 | 0.200 | | | U | 07/08/08 |
| BLANK | Phosphate (P) by IC | PO4-P | <3.2e-2 | n/a | mg/L | 0.000 | 0.200 | | | U | 07/08/08 |
| BLANK | Phosphate (P) by IC | PO4-P | <3.2e-2 | n/a | mg/L | 0.000 | 0.200 | | | U | 07/08/08 |
| BLANK | Sulfate | 14808-79-8 | <7.7e-2 | n/a | mg/L | 0.000 | 0.200 | | | U | 07/08/08 |
| BLANK | Sulfate | 14808-79-8 | <7.7e-2 | n/a | mg/L | 0.000 | 0.200 | | | U | 07/08/08 |
| BLANK | Sulfate | 14808-79-8 | <7.7e-2 | n/a | mg/L | 0.000 | 0.200 | | | U | 07/08/08 |
| LCS | Chloride | 16887-00-6 | 194.193 | 96.613 | % Recov | 80.000 | 120.000 | | | | 07/08/08 |
| LCS | Chloride | 16887-00-6 | 194.6131 | 96.822 | % Recov | 80.000 | 120.000 | | | | 07/08/08 |
| LCS | Fluoride | 16984-48-8 | 105.5235 | 105.947 | % Recov | 80.000 | 120.000 | | | | 07/08/08 |
| LCS | Fluoride | 16984-48-8 | 103.6549 | 104.071 | % Recov | 80.000 | 120.000 | | | | 07/08/08 |
| LCS | Nitrogen in Nitrite | NO2-N | 99.3832 | 99.983 | % Recov | 80.000 | 120.000 | | | | 07/08/08 |
| LCS | Nitrogen in Nitrite | NO2-N | 98.7456 | 99.342 | % Recov | 80.000 | 120.000 | | | | 07/08/08 |
| LCS | Nitrogen in Nitrate | NO3-N | 90.7879 | 100.763 | % Recov | 80.000 | 120.000 | | | | 07/08/08 |
| LCS | Nitrogen in Nitrate | NO3-N | 90.1624 | 100.069 | % Recov | 80.000 | 120.000 | | | | 07/08/08 |
| LCS | Phosphate (P) by IC | PO4-P | 192.0713 | 99.313 | % Recov | 80.000 | 120.000 | | | | 07/08/08 |
| LCS | Phosphate (P) by IC | PO4-P | 189.9239 | 98.203 | % Recov | 80.000 | 120.000 | | | | 07/08/08 |
| LCS | Sulfate | 14808-79-8 | 378.9512 | 95.895 | % Recov | 80.000 | 120.000 | | | | 07/08/08 |
| LCS | Sulfate | 14808-79-8 | 382.1626 | 96.506 | % Recov | 80.000 | 120.000 | | | | 07/08/08 |

WSCF ANALYTICAL LABORATORY QC REPORT

Department: Inorganic

SDG Number: WSCF20081359
 Matrix: WATER
 Test: Anions by Ion Chromatography

Sample Date: 07/04/08
 Receive Date: 07/07/08

| QC Type | Analyte | CAS # | QC Found | QC Yield | Units | Lower Limit | Upper Limit | RPD(%) | RPD Limit | RQ | Analysis Date |
|--|---------------------|------------|----------|----------|---------|-------------|-------------|--------|-----------|----|---------------|
| Lab ID: W08GR02131 | | | | | | | | | | | |
| BATCH QC ASSOCIATED WITH SAMPLE | | | | | | | | | | | |
| DUP | Chloride | 16887-00-6 | <1.1 | | RPD | | | n/a | 20.000 | U | 07/09/08 |
| DUP | Fluoride | 16984-48-8 | <0.21 | | RPD | | | n/a | 20.000 | U | 07/09/08 |
| DUP | Nitrogen in Nitrite | NO2-N | <9.9e-2 | | RPD | | | n/a | 20.000 | U | 07/09/08 |
| DUP | Nitrogen in Nitrate | NO3-N | <0.36 | | RPD | | | n/a | 20.000 | U | 07/09/08 |
| DUP | Phosphate (P) by IC | PO4-P | <0.32 | | RPD | | | n/a | 20.000 | U | 07/09/08 |
| DUP | Sulfate | 14808-79-8 | 5.1159 | | RPD | | | 1.429 | 20.000 | | 07/09/08 |
| MS | Chloride | 16887-00-6 | 0.99097 | 99.595 | % Recov | 80.000 | 120.000 | | | | 07/09/08 |
| MS | Fluoride | 16984-48-8 | 0.44777 | 90.826 | % Recov | 80.000 | 120.000 | | | | 07/09/08 |
| MS | Nitrogen in Nitrite | NO2-N | 0.45913 | 93.319 | % Recov | 80.000 | 120.000 | | | | 07/09/08 |
| MS | Nitrogen in Nitrate | NO3-N | 0.43056 | 96.538 | % Recov | 80.000 | 120.000 | | | | 07/09/08 |
| MS | Phosphate (P) by IC | PO4-P | 0.87578 | 91.513 | % Recov | 80.000 | 120.000 | | | | 07/09/08 |
| MS | Sulfate | 14808-79-8 | 1.78346 | 90.993 | % Recov | 80.000 | 120.000 | | | | 07/09/08 |
| MSD | Chloride | 16887-00-6 | 0.99226 | 99.725 | % Recov | 80.000 | 120.000 | | | | 07/09/08 |
| MSD | Fluoride | 16984-48-8 | 0.44182 | 89.619 | % Recov | 80.000 | 120.000 | | | | 07/09/08 |
| MSD | Nitrogen in Nitrite | NO2-N | 0.45292 | 92.057 | % Recov | 80.000 | 120.000 | | | | 07/09/08 |
| MSD | Nitrogen in Nitrate | NO3-N | 0.42669 | 95.670 | % Recov | 80.000 | 120.000 | | | | 07/09/08 |
| MSD | Phosphate (P) by IC | PO4-P | 0.89159 | 93.165 | % Recov | 80.000 | 120.000 | | | | 07/09/08 |
| MSD | Sulfate | 14808-79-8 | 1.80279 | 91.979 | % Recov | 80.000 | 120.000 | | | | 07/09/08 |
| SPK-RPD | Chloride | 16887-00-6 | 99.725 | | RPD | | | 0.130 | 20.000 | | 07/09/08 |
| SPK-RPD | Fluoride | 16984-48-8 | 89.619 | | RPD | | | 1.338 | 20.000 | | 07/09/08 |
| SPK-RPD | Nitrogen in Nitrite | NO2-N | 92.057 | | RPD | | | 1.362 | 20.000 | | 07/09/08 |
| SPK-RPD | Nitrogen in Nitrate | NO3-N | 95.670 | | RPD | | | 0.903 | 20.000 | | 07/09/08 |
| SPK-RPD | Phosphate (P) by IC | PO4-P | 93.165 | | RPD | | | 1.789 | 20.000 | | 07/09/08 |
| SPK-RPD | Sulfate | 14808-79-8 | 91.979 | | RPD | | | 1.078 | 20.000 | | 07/09/08 |

Lab ID: W08GR02295
BATCH QC ASSOCIATED WITH SAMPLE

WSCF ANALYTICAL LABORATORY QC REPORT

Department: Inorganic

SDG Number: WSCF20081359
 Matrix: WATER
 Test: Anions by Ion Chromatography

Sample Date: 07/07/08
 Receive Date: 07/07/08

| QC Type | Analyte | CAS # | QC Found | QC Yield | Units | Lower Limit | Upper Limit | RPD(%) | RPD Limit | RQ | Analysis Date |
|-----------------|---------------------|------------|----------|----------|---------|-------------|-------------|--------|-----------|----|---------------|
| DUP | Chloride | 16887-00-6 | 22.0382 | | RPD | | | 1.782 | 20.000 | | 07/09/08 |
| DUP | Fluoride | 16984-48-8 | <0.21 | | RPD | | | n/a | 20.000 | U | 07/09/08 |
| DUP | Nitrogen in Nitrite | NO2-N | <9.9e-2 | | RPD | | | n/a | 20.000 | U | 07/09/08 |
| DUP | Nitrogen in Nitrate | NO3-N | <0.36 | | RPD | | | n/a | 20.000 | U | 07/09/08 |
| DUP | Phosphate (P) by IC | PO4-P | 13.6862 | | RPD | | | 3.060 | 20.000 | | 07/09/08 |
| DUP | Sulfate | 14808-79-8 | 9.4607 | | RPD | | | 1.654 | 20.000 | | 07/09/08 |
| MS | Chloride | 16887-00-6 | 0.91552 | 92.012 | % Recov | 80.000 | 120.000 | | | | 07/09/08 |
| MS | Fluoride | 16984-48-8 | 0.53942 | 109.416 | % Recov | 80.000 | 120.000 | | | | 07/09/08 |
| MS | Nitrogen in Nitrite | NO2-N | 0.46308 | 94.122 | % Recov | 80.000 | 120.000 | | | | 07/09/08 |
| MS | Nitrogen in Nitrate | NO3-N | 0.42117 | 94.433 | % Recov | 80.000 | 120.000 | | | | 07/09/08 |
| MS | Phosphate (P) by IC | PO4-P | 0.90969 | 95.058 | % Recov | 80.000 | 120.000 | | | | 07/09/08 |
| MS | Sulfate | 14808-79-8 | 1.77448 | 90.535 | % Recov | 80.000 | 120.000 | | | | 07/09/08 |
| MSD | Chloride | 16887-00-6 | 0.90748 | 91.204 | % Recov | 80.000 | 120.000 | | | | 07/09/08 |
| MSD | Fluoride | 16984-48-8 | 0.53536 | 108.592 | % Recov | 80.000 | 120.000 | | | | 07/09/08 |
| MSD | Nitrogen in Nitrite | NO2-N | 0.46811 | 95.144 | % Recov | 80.000 | 120.000 | | | | 07/09/08 |
| MSD | Nitrogen in Nitrate | NO3-N | 0.42749 | 95.850 | % Recov | 80.000 | 120.000 | | | | 07/09/08 |
| MSD | Phosphate (P) by IC | PO4-P | 0.92314 | 96.462 | % Recov | 80.000 | 120.000 | | | | 07/09/08 |
| MSD | Sulfate | 14808-79-8 | 1.8041 | 92.046 | % Recov | 80.000 | 120.000 | | | | 07/09/08 |
| SPK-RPD | Chloride | 16887-00-6 | 91.204 | | RPD | | | 0.882 | 20.000 | | 07/09/08 |
| SPK-RPD | Fluoride | 16984-48-8 | 108.592 | | RPD | | | 0.756 | 20.000 | | 07/09/08 |
| SPK-RPD | Nitrogen in Nitrite | NO2-N | 95.144 | | RPD | | | 1.080 | 20.000 | | 07/09/08 |
| SPK-RPD | Nitrogen in Nitrate | NO3-N | 95.850 | | RPD | | | 1.489 | 20.000 | | 07/09/08 |
| SPK-RPD | Phosphate (P) by IC | PO4-P | 96.462 | | RPD | | | 1.468 | 20.000 | | 07/09/08 |
| SPK-RPD | Sulfate | 14808-79-8 | 92.046 | | RPD | | | 1.655 | 20.000 | | 07/09/08 |
| BATCH QC | | | | | | | | | | | |
| BLANK | Chloride | 16887-00-6 | <0.11 | n/a | mg/L | 0.000 | 0.030 | | | U | 07/09/08 |
| BLANK | Chloride | 16887-00-6 | <0.11 | n/a | mg/L | 0.000 | 0.030 | | | U | 07/09/08 |
| BLANK | Chloride | 16887-00-6 | <0.11 | n/a | mg/L | 0.000 | 0.030 | | | U | 07/09/08 |
| BLANK | Fluoride | 16984-48-8 | <2.1e-2 | n/a | mg/L | 0.000 | 0.030 | | | U | 07/09/08 |

WSCF ANALYTICAL LABORATORY QC REPORT

Department: Inorganic

SDG Number: WSCF20081359
 Matrix: WATER
 Test: Anions by Ion Chromatography

Sample Date:
 Receive Date:

| QC Type | Analyte | CAS # | QC Found | QC Yield | Units | Lower Limit | Upper Limit | RPD(%) | RPD Limit | RQ | Analysis Date |
|---------|---------------------|------------|----------|----------|---------|-------------|-------------|--------|-----------|----|---------------|
| BLANK | Fluoride | 16984-48-8 | <2.1e-2 | n/a | mg/L | 0.000 | 0.030 | | | U | 07/09/08 |
| BLANK | Fluoride | 16984-48-8 | <2.1e-2 | n/a | mg/L | 0.000 | 0.030 | | | U | 07/09/08 |
| BLANK | Nitrogen in Nitrite | NO2-N | <9.9e-3 | n/a | mg/L | 0.000 | 0.020 | | | U | 07/09/08 |
| BLANK | Nitrogen in Nitrite | NO2-N | <9.9e-3 | n/a | mg/L | 0.000 | 0.020 | | | U | 07/09/08 |
| BLANK | Nitrogen in Nitrite | NO2-N | <9.9e-3 | n/a | mg/L | 0.000 | 0.020 | | | U | 07/09/08 |
| BLANK | Nitrogen in Nitrate | NO3-N | <3.6e-2 | n/a | mg/L | 0.000 | 0.040 | | | U | 07/09/08 |
| BLANK | Nitrogen in Nitrate | NO3-N | <3.6e-2 | n/a | mg/L | 0.000 | 0.040 | | | U | 07/09/08 |
| BLANK | Nitrogen in Nitrate | NO3-N | <3.6e-2 | n/a | mg/L | 0.000 | 0.040 | | | U | 07/09/08 |
| BLANK | Phosphate (P) by IC | PO4-P | <3.2e-2 | n/a | mg/L | 0.000 | 0.200 | | | U | 07/09/08 |
| BLANK | Phosphate (P) by IC | PO4-P | <3.2e-2 | n/a | mg/L | 0.000 | 0.200 | | | U | 07/09/08 |
| BLANK | Phosphate (P) by IC | PO4-P | <3.2e-2 | n/a | mg/L | 0.000 | 0.200 | | | U | 07/09/08 |
| BLANK | Sulfate | 14808-79-8 | <7.7e-2 | n/a | mg/L | 0.000 | 0.200 | | | U | 07/09/08 |
| BLANK | Sulfate | 14808-79-8 | <7.7e-2 | n/a | mg/L | 0.000 | 0.200 | | | U | 07/09/08 |
| BLANK | Sulfate | 14808-79-8 | <7.7e-2 | n/a | mg/L | 0.000 | 0.200 | | | U | 07/09/08 |
| LCS | Chloride | 16887-00-6 | 192.8703 | 95.955 | % Recov | 80.000 | 120.000 | | | | 07/09/08 |
| LCS | Chloride | 16887-00-6 | 195.0187 | 97.024 | % Recov | 80.000 | 120.000 | | | | 07/09/08 |
| LCS | Fluoride | 16984-48-8 | 103.3998 | 103.815 | % Recov | 80.000 | 120.000 | | | | 07/09/08 |
| LCS | Fluoride | 16984-48-8 | 104.693 | 105.113 | % Recov | 80.000 | 120.000 | | | | 07/09/08 |
| LCS | Nitrogen in Nitrite | NO2-N | 99.0624 | 99.660 | % Recov | 80.000 | 120.000 | | | | 07/09/08 |
| LCS | Nitrogen in Nitrite | NO2-N | 98.0368 | 98.629 | % Recov | 80.000 | 120.000 | | | | 07/09/08 |
| LCS | Nitrogen in Nitrate | NO3-N | 90.6321 | 100.591 | % Recov | 80.000 | 120.000 | | | | 07/09/08 |
| LCS | Nitrogen in Nitrate | NO3-N | 90.8857 | 100.872 | % Recov | 80.000 | 120.000 | | | | 07/09/08 |
| LCS | Phosphate (P) by IC | PO4-P | 196.5014 | 101.604 | % Recov | 80.000 | 120.000 | | | | 07/09/08 |
| LCS | Phosphate (P) by IC | PO4-P | 192.7345 | 99.656 | % Recov | 80.000 | 120.000 | | | | 07/09/08 |
| LCS | Sulfate | 14808-79-8 | 386.4728 | 97.594 | % Recov | 80.000 | 120.000 | | | | 07/09/08 |
| LCS | Sulfate | 14808-79-8 | 380.3452 | 96.047 | % Recov | 80.000 | 120.000 | | | | 07/09/08 |

WSCF ANALYTICAL LABORATORY QC REPORT

Department: Inorganic

SDG Number: WSCF20081359
 Matrix: WATER
 Test: ICP Metals Analysis, Grd H2O P

Sample Date: 07/06/08
 Receive Date: 07/07/08

| QC Type | Analyte | CAS # | QC Found | QC Yield | Units | Lower Limit | Upper Limit | RPD(%) | RPD Limit | RQ | Analysis Date |
|---|------------|-----------|----------|----------|---------|-------------|-------------|--------|-----------|----|---------------|
| Lab ID: W08GR02263 BATCH QC ASSOCIATED WITH SAMPLE | | | | | | | | | | | |
| MS | Silver | 7440-22-4 | 4740 | 94.800 | % Recov | 75.000 | 125.000 | | | | 08/04/08 |
| MS | Aluminum | 7429-90-5 | 4737 | 94.740 | % Recov | 75.000 | 125.000 | | | | 08/04/08 |
| MS | Arsenic | 7440-38-2 | 5120 | 102.400 | % Recov | 75.000 | 125.000 | | | | 08/04/08 |
| MS | Barium | 7440-39-3 | 2381 | 95.240 | % Recov | 75.000 | 125.000 | | | | 08/04/08 |
| MS | Calcium | 7440-70-2 | 17960 | 359.200 | % Recov | 75.000 | 125.000 | | | | 08/04/08 |
| MS | Cadmium | 7440-43-9 | 4973 | 99.460 | % Recov | 75.000 | 125.000 | | | | 08/04/08 |
| MS | Cobalt | 7440-48-4 | 4978 | 99.560 | % Recov | 75.000 | 125.000 | | | | 08/04/08 |
| MS | Chromium | 7440-47-3 | 4913 | 98.260 | % Recov | 75.000 | 125.000 | | | | 08/04/08 |
| MS | Copper | 7440-50-8 | 4800 | 96.000 | % Recov | 75.000 | 125.000 | | | | 08/04/08 |
| MS | Iron | 7439-89-6 | 5146 | 102.920 | % Recov | 75.000 | 125.000 | | | | 08/04/08 |
| MS | Potassium | 7440-09-7 | 49810 | 99.620 | % Recov | 75.000 | 125.000 | | | | 08/04/08 |
| MS | Magnesium | 7439-95-4 | 7390 | 147.800 | % Recov | 75.000 | 125.000 | | | | 08/04/08 |
| MS | Manganese | 7439-96-5 | 5480 | 109.600 | % Recov | 75.000 | 125.000 | | | | 08/04/08 |
| MS | Molybdenum | 7439-98-7 | 4893 | 97.860 | % Recov | 70.000 | 130.000 | | | | 08/04/08 |
| MS | Sodium | 7440-23-5 | 46600 | 932.000 | % Recov | 75.000 | 125.000 | | | | 08/04/08 |
| MS | Nickel | 7440-02-0 | 4924 | 98.480 | % Recov | 75.000 | 125.000 | | | | 08/04/08 |
| MS | Lead | 7439-92-1 | 5300 | 106.000 | % Recov | 75.000 | 125.000 | | | | 08/04/08 |
| MS | Antimony | 7440-36-0 | 4774 | 95.480 | % Recov | 75.000 | 125.000 | | | | 08/04/08 |
| MS | Strontium | 7440-24-6 | 2504.9 | 100.196 | % Recov | 75.000 | 125.000 | | | | 08/04/08 |
| MS | Vanadium | 7440-62-2 | 4840 | 96.800 | % Recov | 75.000 | 125.000 | | | | 08/04/08 |
| MS | Zinc | 7440-66-6 | 4897 | 97.940 | % Recov | 75.000 | 125.000 | | | | 08/04/08 |
| MSD | Silver | 7440-22-4 | 4820 | 96.400 | % Recov | 75.000 | 125.000 | | | | 08/04/08 |
| MSD | Aluminum | 7429-90-5 | 4804 | 96.080 | % Recov | 75.000 | 125.000 | | | | 08/04/08 |
| MSD | Arsenic | 7440-38-2 | 5230 | 104.600 | % Recov | 75.000 | 125.000 | | | | 08/04/08 |
| MSD | Barium | 7440-39-3 | 2411 | 96.440 | % Recov | 75.000 | 125.000 | | | | 08/04/08 |
| MSD | Calcium | 7440-70-2 | 14680 | 293.600 | % Recov | 75.000 | 125.000 | | | | 08/04/08 |

WSCF ANALYTICAL LABORATORY QC REPORT

Department: Inorganic

SDG Number: WSCF20081359
 Matrix: WATER
 Test: ICP Metals Analysis, Grd H2O P

Sample Date: 07/06/08
 Receive Date: 07/07/08

| QC Type | Analyte | CAS # | QC Found | QC Yield | Units | Lower Limit | Upper Limit | RPD(%) | RPD Limit | RQ | Analysis Date |
|---------|------------|-----------|----------|----------|---------|-------------|-------------|--------|-----------|----|---------------|
| MSD | Cadmium | 7440-43-9 | 5075 | 101.500 | % Recov | 75.000 | 125.000 | | | | 08/04/08 |
| MSD | Cobalt | 7440-48-4 | 5111 | 102.220 | % Recov | 75.000 | 125.000 | | | | 08/04/08 |
| MSD | Chromium | 7440-47-3 | 5031 | 100.620 | % Recov | 75.000 | 125.000 | | | | 08/04/08 |
| MSD | Copper | 7440-50-8 | 4830 | 96.600 | % Recov | 75.000 | 125.000 | | | | 08/04/08 |
| MSD | Iron | 7439-89-6 | 5151 | 103.020 | % Recov | 75.000 | 125.000 | | | | 08/04/08 |
| MSD | Potassium | 7440-09-7 | 50350 | 100.700 | % Recov | 75.000 | 125.000 | | | | 08/04/08 |
| MSD | Magnesium | 7439-95-4 | 6570 | 131.400 | % Recov | 75.000 | 125.000 | | | | 08/04/08 |
| MSD | Manganese | 7439-96-5 | 5480 | 109.600 | % Recov | 75.000 | 125.000 | | | | 08/04/08 |
| MSD | Molybdenum | 7439-98-7 | 5014 | 100.280 | % Recov | 75.000 | 125.000 | | | | 08/04/08 |
| MSD | Sodium | 7440-23-5 | 29400 | 588.000 | % Recov | 75.000 | 125.000 | | | | 08/04/08 |
| MSD | Nickel | 7440-02-0 | 5041 | 100.820 | % Recov | 75.000 | 125.000 | | | | 08/04/08 |
| MSD | Lead | 7439-92-1 | 5300 | 106.000 | % Recov | 75.000 | 125.000 | | | | 08/04/08 |
| MSD | Antimony | 7440-36-0 | 4994 | 99.880 | % Recov | 75.000 | 125.000 | | | | 08/04/08 |
| MSD | Strontium | 7440-24-6 | 2533.9 | 101.356 | % Recov | 75.000 | 125.000 | | | | 08/04/08 |
| MSD | Vanadium | 7440-82-2 | 4970 | 99.400 | % Recov | 75.000 | 125.000 | | | | 08/04/08 |
| MSD | Zinc | 7440-66-6 | 4988 | 99.760 | % Recov | 75.000 | 125.000 | | | | 08/04/08 |
| SPK-RPD | Silver | 7440-22-4 | 96.400 | | RPD | | | 1.674 | 20.000 | | 08/04/08 |
| SPK-RPD | Aluminum | 7429-90-5 | 96.080 | | RPD | | | 1.404 | 20.000 | | 08/04/08 |
| SPK-RPD | Arsenic | 7440-38-2 | 104.600 | | RPD | | | 2.126 | 20.000 | | 08/04/08 |
| SPK-RPD | Barium | 7440-39-3 | 96.440 | | RPD | | | 1.252 | 20.000 | | 08/04/08 |
| SPK-RPD | Calcium | 7440-70-2 | 293.600 | | RPD | | | 20.098 | 20.000 | | 08/04/08 |
| SPK-RPD | Cadmium | 7440-43-9 | 101.500 | | RPD | | | 2.030 | 20.000 | | 08/04/08 |
| SPK-RPD | Cobalt | 7440-48-4 | 102.220 | | RPD | | | 2.637 | 20.000 | | 08/04/08 |
| SPK-RPD | Chromium | 7440-47-3 | 100.620 | | RPD | | | 2.373 | 20.000 | | 08/04/08 |
| SPK-RPD | Copper | 7440-50-8 | 96.600 | | RPD | | | 0.623 | 20.000 | | 08/04/08 |
| SPK-RPD | Iron | 7439-89-6 | 103.020 | | RPD | | | 0.097 | 20.000 | | 08/04/08 |
| SPK-RPD | Potassium | 7440-09-7 | 100.700 | | RPD | | | 1.078 | 20.000 | | 08/04/08 |
| SPK-RPD | Magnesium | 7439-95-4 | 131.400 | | RPD | | | 11.748 | 20.000 | | 08/04/08 |
| SPK-RPD | Manganese | 7439-96-5 | 109.600 | | RPD | | | 0.000 | 20.000 | | 08/04/08 |
| SPK-RPD | Molybdenum | 7439-98-7 | 100.280 | | RPD | | | 2.443 | 20.000 | | 08/04/08 |

WSCF ANALYTICAL LABORATORY QC REPORT

Department: Inorganic

SDG Number: WSCF20081359
 Matrix: WATER
 Test: ICP Metals Analysis, Grd H2O P

Sample Date: 07/06/08
 Receive Date: 07/07/08

| QC Type | Analyte | CAS # | QC Found | QC Yield | Units | Lower Limit | Upper Limit | RPD(%) | RPD Limit | RQ | Analysis Date |
|---------|-----------|-----------|----------|----------|-------|-------------|-------------|--------|-----------|----|---------------|
| SPK-RPD | Sodium | 7440-23-5 | 588.000 | | RPD | | | 45.263 | 20.000 * | | 08/04/08 |
| SPK-RPD | Nickel | 7440-02-0 | 100.820 | | RPD | | | 2.348 | 20.000 | | 08/04/08 |
| SPK-RPD | Lead | 7439-92-1 | 106.000 | | RPD | | | 0.000 | 20.000 | | 08/04/08 |
| SPK-RPD | Antimony | 7440-36-0 | 99.880 | | RPD | | | 4.505 | 20.000 | | 08/04/08 |
| SPK-RPD | Strontium | 7440-24-6 | 101.356 | | RPD | | | 1.151 | 20.000 | | 08/04/08 |
| SPK-RPD | Vanadium | 7440-62-2 | 99.400 | | RPD | | | 2.650 | 20.000 | | 08/04/08 |
| SPK-RPD | Zinc | 7440-66-6 | 99.780 | | RPD | | | 1.841 | 20.000 | | 08/04/08 |

BATCH QC

| | | | | | | | | | | | |
|-------|------------|-----------|------|-----|------|--|--|--|--|---|----------|
| BLANK | Silver | 7440-22-4 | <5 | n/a | ug/L | | | | | U | 08/04/08 |
| BLANK | Aluminum | 7429-90-5 | <52 | n/a | ug/L | | | | | U | 08/04/08 |
| BLANK | Arsenic | 7440-38-2 | <78 | n/a | ug/L | | | | | U | 08/04/08 |
| BLANK | Barium | 7440-39-3 | <4 | n/a | ug/L | | | | | U | 08/04/08 |
| BLANK | Calcium | 7440-70-2 | <73 | n/a | ug/L | | | | | U | 08/04/08 |
| BLANK | Cadmium | 7440-43-9 | <4 | n/a | ug/L | | | | | U | 08/04/08 |
| BLANK | Cobalt | 7440-48-4 | <4 | n/a | ug/L | | | | | U | 08/04/08 |
| BLANK | Chromium | 7440-47-3 | <13 | n/a | ug/L | | | | | U | 08/04/08 |
| BLANK | Copper | 7440-50-8 | <6 | n/a | ug/L | | | | | U | 08/04/08 |
| BLANK | Iron | 7439-89-6 | <25 | n/a | ug/L | | | | | U | 08/04/08 |
| BLANK | Potassium | 7440-09-7 | <170 | n/a | ug/L | | | | | U | 08/04/08 |
| BLANK | Magnesium | 7439-95-4 | <50 | n/a | ug/L | | | | | U | 08/04/08 |
| BLANK | Manganese | 7439-96-5 | <4 | n/a | ug/L | | | | | U | 08/04/08 |
| BLANK | Molybdenum | 7439-98-7 | <5 | n/a | ug/L | | | | | U | 08/04/08 |
| BLANK | Sodium | 7440-23-5 | <51 | n/a | ug/L | | | | | U | 08/04/08 |
| BLANK | Nickel | 7440-02-0 | <4 | n/a | ug/L | | | | | U | 08/04/08 |
| BLANK | Lead | 7439-92-1 | <45 | n/a | ug/L | | | | | U | 08/04/08 |
| BLANK | Antimony | 7440-36-0 | <56 | n/a | ug/L | | | | | U | 08/04/08 |
| BLANK | Strontium | 7440-24-6 | <4 | n/a | ug/L | | | | | U | 08/04/08 |
| BLANK | Vanadium | 7440-62-2 | <12 | n/a | ug/L | | | | | U | 08/04/08 |
| BLANK | Zinc | 7440-66-6 | <9 | n/a | ug/L | | | | | U | 08/04/08 |

WSCF ANALYTICAL LABORATORY QC REPORT

Department: Inorganic

SDG Number: WSCF20081359
 Matrix: WATER
 Test: ICP Metals Analysis, Grd H2O P

Sample Date:
 Receive Date:

| QC Type | Analyte | CAS # | QC Found | QC Yield | Units | Lower Limit | Upper Limit | RPD(%) | RPD Limit | RQ | Analysis Date |
|---------|------------|-----------|----------|----------|---------|-------------|-------------|--------|-----------|----|---------------|
| LCS | Silver | 7440-22-4 | 971 | 97.100 | % Recov | 80.000 | 120.000 | | | | 08/04/08 |
| LCS | Aluminum | 7429-90-5 | 960 | 96.000 | % Recov | 80.000 | 120.000 | | | | 08/04/08 |
| LCS | Arsenic | 7440-38-2 | 1060 | 108.000 | % Recov | 80.000 | 120.000 | | | | 08/04/08 |
| LCS | Barium | 7440-39-3 | 475 | 95.000 | % Recov | 80.000 | 120.000 | | | | 08/04/08 |
| LCS | Calcium | 7440-70-2 | 1080 | 108.000 | % Recov | 80.000 | 120.000 | | | | 08/04/08 |
| LCS | Cadmium | 7440-43-9 | 1022 | 102.200 | % Recov | 80.000 | 120.000 | | | | 08/04/08 |
| LCS | Cobalt | 7440-48-4 | 1039 | 103.900 | % Recov | 80.000 | 120.000 | | | | 08/04/08 |
| LCS | Chromium | 7440-47-3 | 992.9 | 99.290 | % Recov | 80.000 | 120.000 | | | | 08/04/08 |
| LCS | Copper | 7440-50-8 | 985 | 98.500 | % Recov | 80.000 | 120.000 | | | | 08/04/08 |
| LCS | Iron | 7439-89-6 | 996.6 | 99.660 | % Recov | 80.000 | 120.000 | | | | 08/04/08 |
| LCS | Potassium | 7440-09-7 | 10020 | 100.200 | % Recov | 80.000 | 120.000 | | | | 08/04/08 |
| LCS | Magnesium | 7439-95-4 | 944.7 | 94.470 | % Recov | 80.000 | 120.000 | | | | 08/04/08 |
| LCS | Manganese | 7439-96-5 | 1010 | 101.000 | % Recov | 80.000 | 120.000 | | | | 08/04/08 |
| LCS | Molybdenum | 7439-98-7 | 1008 | 100.800 | % Recov | 80.000 | 120.000 | | | | 08/04/08 |
| LCS | Sodium | 7440-23-5 | 1003 | 100.300 | % Recov | 80.000 | 120.000 | | | | 08/04/08 |
| LCS | Nickel | 7440-02-0 | 1019 | 101.900 | % Recov | 80.000 | 120.000 | | | | 08/04/08 |
| LCS | Lead | 7439-92-1 | 1130 | 113.000 | % Recov | 80.000 | 120.000 | | | | 08/04/08 |
| LCS | Antimony | 7440-36-0 | 1014 | 101.400 | % Recov | 80.000 | 120.000 | | | | 08/04/08 |
| LCS | Strontium | 7440-24-6 | 489.9 | 97.980 | % Recov | 80.000 | 120.000 | | | | 08/04/08 |
| LCS | Vanadium | 7440-62-2 | 977 | 97.700 | % Recov | 80.000 | 120.000 | | | | 08/04/08 |
| LCS | Zinc | 7440-66-6 | 977.5 | 97.750 | % Recov | 80.000 | 120.000 | | | | 08/04/08 |

WSCF ANALYTICAL COMMENT REPORT

Attention: Steve Trent
Project Number F06-027

Group #: WSCF20081359
Department: Inorganic

| Sample # | Client ID | Lab Area | Test | Comment |
|----------|-----------|----------|------|---|
| | | VALGROUP | | <p>IC Anion - MS/MSD recoveries low for chloride in sample W08GR02290; Data N-flagged. DTS</p> <p>ICP-AES: [Samples W08GR2282-2296] No zirconium present in the LCS standard. Sodium and calcium sample results exceed spiking level by a factor of 4 so spike recoveries are not valid. Check and high standards used to ensure calcium and sodium linearity because sample results are greater than the calibration standard. High magnesium spike recoveries; "N" flag</p> |

Lab Areas: VALGROUP - Group Validation
LOGSAMP - Login for Sample

VALTEST - Test Validation
LOGTEST - Login for Tests

TESTDATA - Test Data Entry

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wgppc/5.2 Report#: WSCF20081359

Report Date: 12-aug-2008

Page 1

M4W41-SLF-08-817

ATTACHMENT 4

SAMPLE RECEIPT INFORMATION

Consisting of 6 pages
Including cover page

Waste Sampling and Characterization Facility

P.O. BOX 1970 S3-30, Richland, WA 99352
 PHONE: (509) 373-7004/FAX: (509) 373-7134

7/2/08

ACKNOWLEDGMENT OF SAMPLES RECEIVED

Groundwater Remediation Program

Richland, WA 99354
 Attn: Steve Trent

Customer Code: GPP
 PO#: 122561/ES20
 Group#: 20081359
 Project#: F06-027
 Proj Mgr: Steve Trent G6-35
 Phone: 373-5869

5/15/08

The following samples were received from you on 07/07/08. They have been scheduled for the tests listed beside each sample. If this information is incorrect, please contact your service representative. Thank you for using Waste Sampling and Characterization Facility.

| Sample# | Sample Id | Tests Scheduled | Matrix | Sample Date |
|------------|-----------|--------------------------|--------|-------------|
| W08GR02282 | B1W777 | TRENT @GPP6010 @IC-30 | Water | 07/07/08 |
| W08GR02283 | B1W778 | TRENT @GPP6010 @IC-30 | Water | 07/07/08 |
| W08GR02284 | B1W779 | TRENT @GPP6010 @IC-30 | Water | 07/07/08 |
| W08GR02285 | B1W780 | TRENT @GPP6010 @IC-30 | Water | 07/07/08 |
| W08GR02286 | B1W781 | TRENT @GPP6010 @IC-30 | Water | 07/07/08 |
| W08GR02287 | B1W782 | TRENT @GPP6010 @IC-30 | Water | 07/07/08 |
| W08GR02288 | B1W783 | TRENT @GPP6010 @IC-30 | Water | 07/07/08 |
| W08GR02289 | B1W784 | TRENT @GPP6010 @IC-30 | Water | 07/07/08 |
| W08GR02290 | B1W785 | TRENT @GPP6010 @IC-30 | Water | 07/07/08 |
| W08GR02291 | B1W786 | TRENT @GPP6010 @IC-30 | Water | 07/07/08 |
| W08GR02292 | B1W787 | TRENT @GPP6010 @IC-30 | Water | 07/07/08 |
| W08GR02293 | B1W788 | TRENT @GPP6010 @IC-30 | Water | 07/07/08 |
| W08GR02294 | B1W789 | TRENT @GPP6010 @IC-30 | Water | 07/07/08 |
| W08GR02295 | B1W790 | TRENT @GPP6010 @IC-30 | Water | 07/07/08 |
| W08GR02296 | B1W791 | TRENT @GPP6010 @IC-30 | Water | 07/07/08 |

Test Acronym Description

| Test Acronym | Description |
|--------------|-------------|
|--------------|-------------|

Groundwater Remediation Program

Richland, WA 99354
Attn: Steve Trent

Customer Code: GPP
PO#: 122561/ES20
Group#: 20081359
Project#: F06-027
Proj Mgr: Steve Trent G6-35
Phone: 373-5869

Test Acronym Description

| Test Acronym | Description |
|--------------|--------------------------------|
| @GPP6010 | ICP Metals Analysis, Grd H2O P |
| @IC-30 | Anions by Ion Chromatography |

COLLECTOR

D. Wells

SAMPLING LOCATION

100-NR-2 Inj. #3/Day 5 - Post-Inject

ICE CHEST NO.

SHIPPED TO

Waste Sampling & Characterization

MATRIX*

A=Air
DL=Drum
Liquids
DS=Drum
Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegetation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS

Contains Radioactive Material at concentrations that may or may not be regulated for transportation per 49 CFR / IATA Dangerous Goods Regulations but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE

20081359

COMPANY CONTACT

FABRE, RJ

TELEPHONE NO.

373-2774

PROJECT COORDINATOR

TRENT, SJ

PRICE CODE

7G

DATA TURNAROUND

15 Days / 30 Days

PROJECT DESIGNATION

100-N Apatite Barrier Performance Monitoring

SAF NO.

F06-027

AIR QUALITY

FIELD LOGBOOK NO.

HNF-N-585-11

ACTUAL SAMPLE DEPTH

COA

122561ES20

METHOD OF SHIPMENT

GOVERNMENT VEHICLE

OFFSITE PROPERTY NO.

BILL OF LADING/AIR BILL NO.

PRESERVATION

HNO3 to pH <2

Cool-4C

TYPE OF CONTAINER

P

P

NO. OF CONTAINER(S)

1

1

VOLUME

250mL

120mL

SAMPLE ANALYSIS

SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SEE ITEM (2) IN SPECIAL INSTRUCTIONS

ICED

| SAMPLE NO. | MATRIX* | SAMPLE DATE | SAMPLE TIME | | |
|------------|-------------------|---------------|-------------|---|---|
| B1W777 | <i>2182</i> WATER | <i>7-7-08</i> | <i>1035</i> | X | X |
| B1W778 | <i>83</i> WATER | ↓ | <i>0945</i> | X | X |
| B1W779 | <i>84</i> WATER | | <i>0950</i> | X | X |
| B1W780 | <i>85</i> WATER | | <i>1130</i> | X | X |
| B1W781 | <i>86</i> WATER | | <i>1115</i> | X | X |

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

SPECIAL INSTRUCTIONS

| RELINQUISHED BY/REMOVED FROM | DATE/TIME | RECEIVED BY/STORED IN | DATE/TIME |
|------------------------------|-----------------------|-----------------------|-----------------------|
| <i>D. Wells</i> | <i>7-7-08 (12:40)</i> | <i>V. Sims</i> | <i>7-7-08 (12:40)</i> |
| RELINQUISHED BY/REMOVED FROM | DATE/TIME | RECEIVED BY/STORED IN | DATE/TIME |
| RELINQUISHED BY/REMOVED FROM | DATE/TIME | RECEIVED BY/STORED IN | DATE/TIME |
| RELINQUISHED BY/REMOVED FROM | DATE/TIME | RECEIVED BY/STORED IN | DATE/TIME |
| RELINQUISHED BY/REMOVED FROM | DATE/TIME | RECEIVED BY/STORED IN | DATE/TIME |
| RELINQUISHED BY/REMOVED FROM | DATE/TIME | RECEIVED BY/STORED IN | DATE/TIME |

(1) ICP Metals - 6010B (TAL); ICP Metals - 6010B (Add-On) {Arsenic, Lead, Molybdenum, Strontium}
(2) IC Anions - 300.0 {Chloride, Fluoride, Nitrogen in Nitrate, Nitrogen in Nitrite, Phosphorus in phosphate, Sulfate}

LABORATORY SECTION

RECEIVED BY

TITLE

DATE/TIME

FINAL SAMPLE DISPOSITION

DISPOSAL METHOD

DISPOSED BY

DATE/TIME

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| | | | | | |
|--|--|----------------------------------|---|---|---|
| COLLECTOR D. Webb | COMPANY CONTACT FABRE, RJ | TELEPHONE NO. 373-2774 | PROJECT COORDINATOR TRENT, SJ | PRICE CODE 7G | DATA TURNAROUND 15 Days / 30 Days |
| SAMPLING LOCATION 100-NR-2 Inj. #3/Day 5 - Post-Inject | PROJECT DESIGNATION 100-N Apatite Barrier Performance Monitoring | | SAF NO. F06-027 | AIR QUALITY <input type="checkbox"/> | |
| ICE CHEST NO. | FIELD LOGBOOK NO. HNF-N-585-11 | ACTUAL SAMPLE DEPTH | COA 122561ES20 | METHOD OF SHIPMENT GOVERNMENT VEHICLE | |
| SHIPPED TO Waste Sampling & Characterization | OFFSITE PROPERTY NO. | | BILL OF LADING/AIR BILL NO. | | |

| | | | | |
|---|--|--|------------------------|--------------------------------------|
| MATRIX* A=Air DL=Drum Liquids DS=Drum Solids L=Liquid O=Oil S=Soil SE=Sediment T=Tissue V=Vegetation W=Water WT=Wipe X=Other | POSSIBLE SAMPLE HAZARDS/ REMARKS Contains Radioactive Material at concentrations that may or may not be regulated for transportation per 49 CFR / IATA Dangerous Goods Regulations but are not releasable per DOE Order 5400.5 (1990/1993) | PRESERVATION | HNO3 to pH <2 | Cool-4C |
| | | TYPE OF CONTAINER | P | P |
| | | NO. OF CONTAINER(S) | 1 | 1 |
| | | VOLUME | 250mL | 120mL |
| | | SPECIAL HANDLING AND/OR STORAGE | SAMPLE ANALYSIS | SEE ITEM (1) IN SPECIAL INSTRUCTIONS |

| SAMPLE NO. | MATRIX* | SAMPLE DATE | SAMPLE TIME | | |
|------------|----------|-------------|-------------|---|---|
| B1W782 | 87 WATER | 7-7-08 | 1120 | X | X |
| B1W783 | 88 WATER | ↓ | 1135 | X | X |
| B1W784 | 89 WATER | | 1015 | X | X |
| B1W785 | 90 WATER | | 1055 | X | X |
| B1W786 | 91 WATER | | 1020 | X | X |

ICED

| | | | | |
|---|---------------------------|--------------------------------------|---------------------------|---|
| CHAIN OF POSSESSION | | SIGN/ PRINT NAMES | | SPECIAL INSTRUCTIONS (1) ICP Metals - 6010B (TAL); ICP Metals - 6010B (Add-On) {Arsenic, Lead, Molybdenum, Strontium} (2) IC Anions - 300.0 {Chloride, Fluoride, Nitrogen in Nitrate, Nitrogen in Nitrite, Phosphorus in phosphate, Sulfate} |
| RELINQUISHED BY/REMOVED FROM D. Webb | DATE/TIME 7-7-08 12:40 | RECEIVED BY/STORED IN [Signature] | DATE/TIME 7-7-08 12:40 | |
| RELINQUISHED BY/REMOVED FROM | DATE/TIME | RECEIVED BY/STORED IN | DATE/TIME | |
| RELINQUISHED BY/REMOVED FROM | DATE/TIME | RECEIVED BY/STORED IN | DATE/TIME | |
| RELINQUISHED BY/REMOVED FROM | DATE/TIME | RECEIVED BY/STORED IN | DATE/TIME | |
| RELINQUISHED BY/REMOVED FROM | DATE/TIME | RECEIVED BY/STORED IN | DATE/TIME | |
| RELINQUISHED BY/REMOVED FROM | DATE/TIME | RECEIVED BY/STORED IN | DATE/TIME | |

| | | | |
|---------------------------------|------------------------|--------------------|------------------|
| LABORATORY SECTION | RECEIVED BY | TITLE | DATE/TIME |
| FINAL SAMPLE DISPOSITION | DISPOSAL METHOD | DISPOSED BY | DATE/TIME |

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| | | | | | |
|---|--|----------------------------------|---|---|---|
| COLLECTOR D. L. WASS | COMPANY CONTACT FABRE, RJ | TELEPHONE NO. 373-2774 | PROJECT COORDINATOR TRENT, SJ | PRICE CODE 7G | DATA TURNAROUND 15 Days / 30 Days |
| SAMPLING LOCATION 100-NR-2 Inj.#3/Day 5 - Post-Inject | PROJECT DESIGNATION 100-N Apatite Barrier Performance Monitoring | | SAF NO. F06-027 | AIR QUALITY <input type="checkbox"/> | |
| ICE CHEST NO. | FIELD LOGBOOK NO. HNF-N-585-11 | ACTUAL SAMPLE DEPTH | COA 122561ES20 | METHOD OF SHIPMENT GOVERNMENT VEHICLE | |
| SHIPPED TO Waste Sampling & Characterization | OFFSITE PROPERTY NO. | | BILL OF LADING/AIR BILL NO. | | |

| | | | | |
|---|--|--------------------------------------|--------------------------------------|----------|
| MATRIX* A=Air DL=Drum Liquids DS=Drum Solids L=Liquid O=Oil S=Soil SE=Sediment T=Tissue V=Vegetation W=Water WI=Wipe X=Other | POSSIBLE SAMPLE HAZARDS/ REMARKS Contains Radioactive Material at concentrations that may or may not be regulated for transportation per 49 CFR / IATA Dangerous Goods Regulations but are not releasable per DOE Order 5400.5 (1990/1993) | PRESERVATION | HNO3 to pH <2 | Cool--4C |
| | | TYPE OF CONTAINER | P | P |
| | | NO. OF CONTAINER(S) | 1 | 1 |
| | | VOLUME | 250mL | 120mL |
| SPECIAL HANDLING AND/OR STORAGE | SAMPLE ANALYSIS | SEE ITEM (1) IN SPECIAL INSTRUCTIONS | SEE ITEM (2) IN SPECIAL INSTRUCTIONS | |

| SAMPLE NO. | MATRIX* | SAMPLE DATE | SAMPLE TIME | | |
|------------|----------|-------------|-------------|---|---|
| B1W787 | Q2 WATER | 7-7-08 | 1000 | X | X |
| B1W788 | Q3 WATER | ↓ | 0925 | ^ | X |
| B1W789 | Q4 WATER | | 0940 | X | X |
| B1W790 | Q5 WATER | | 1005 | X | X |
| B1W791 | Q6 WATER | | 0935 | X | X |

ICED

| | | | | |
|--|---------------------------|------------------------------------|---------------------------|--|
| CHAIN OF POSSESSION | | SIGN/ PRINT NAMES | | SPECIAL INSTRUCTIONS |
| RELINQUISHED BY/REMOVED FROM D. L. WASS | DATE/TIME 7-7-08/12:40 | RECEIVED BY/STORED IN V. J. ... | DATE/TIME 7-8-08/12:40 | (1)ICP Metals - 6010B (TAL); ICP Metals - 6010B (Add-On) {Arsenic, Lead, Molybdenum, Strontium} (2)IC Anions - 300.0 {Chloride, Fluoride, Nitrogen in Nitrate, Nitrogen in Nitrite, Phosphorus in phosphate, Sulfate} |
| RELINQUISHED BY/REMOVED FROM | DATE/TIME | RECEIVED BY/STORED IN | DATE/TIME | |
| RELINQUISHED BY/REMOVED FROM | DATE/TIME | RECEIVED BY/STORED IN | DATE/TIME | |
| RELINQUISHED BY/REMOVED FROM | DATE/TIME | RECEIVED BY/STORED IN | DATE/TIME | |
| RELINQUISHED BY/REMOVED FROM | DATE/TIME | RECEIVED BY/STORED IN | DATE/TIME | |
| RELINQUISHED BY/REMOVED FROM | DATE/TIME | RECEIVED BY/STORED IN | DATE/TIME | |
| RELINQUISHED BY/REMOVED FROM | DATE/TIME | RECEIVED BY/STORED IN | DATE/TIME | |

| | | | |
|---------------------------------|------------------------|--------------------|------------------|
| LABORATORY SECTION | RECEIVED BY | TITLE | DATE/TIME |
| FINAL SAMPLE DISPOSITION | DISPOSAL METHOD | DISPOSED BY | DATE/TIME |

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