0080023

RECEIVED AUGUST 11, 2008

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FLUOR

Memorandum

M4W41-SLF-08-793

To: H. Hampt E6-35 Date: August 11, 2008

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

cc: w/Attachments

T. F. Dale	S3-30	P. D. Mix	S3-30
D. Felmy (PNNL)	K6-75	J. E. Trechter	S3-30
A. J. Kopriva	S3-30	S. J. Trent	E6-35
H. K. Meznarich	S3-30	File/LB	

Subject: FINAL RESULTS FOR SAMPLE DELIVERY GROUP WSCF20081245

Reference:
1) Letter of Instruction for Analytical Services for the Groundwater Performance Assessment Project and Analytical Laboratory Transition Plan, FH-0602422, September 19, 2006
2) HNF-SD-CD-QAPP-017, Rev. 9, Waste Sampling & Characterization Facility Quality Assurance Plan

This transmittal contains the following information for sample delivery group WSCF20081245:

- Cover Sheet (Attachment 1)
- Narrative (Attachment 2)
- Issue Resolution Form (Attachment 3)
- Analytical Results (Attachment 4)
- Sample Receipt Information (Attachment 5)

SLF/cmj

Attachments 5

M4W41-SLF-08-793

ATTACHMENT 1

COVER SHEET

Consisting of 4 pages
Including cover page

WSCF SAF NUMBER CROSS REFERENCE

Group#: WSCF20081245
Data Deliverable Date: 06-aug-2008
Data Deliverable: Cover Sheet

SAF#	Sample ID	WSCF#	Matrix
A08-006	B1VJF1	W08P002907	WATER
	B1VJF5	W08P002905	WATER
	B1VJF8	W08P002904	WATER
	B1VJF9	W08P002910	WATER
	B1VJH1	W08P002909	WATER
	B1VJH9	W08P002908	WATER
	B1VLH3	W08P002906	WATER
I-08-044	B1VL34	W08P002913	WATER
I08-043	B1VKY9	W08P002915	WATER
I08-044	B1VL35	W08P002914	WATER
	B1VL38	W08P002911	WATER
	B1VL39	W08P002912	WATER
	B1VL43	W08P002916	WATER
S08-006	B1VLF4	W08P002930	WATER
	B1VLF5	W08P002931	WATER
	B1VLH1	W08P002932	WATER
	B1VLH2	W08P002926	WATER
	B1VLH3	W08P002927	WATER
	B1VLH6	W08P002924	WATER
	B1VLH7	W08P002925	WATER
	B1VLJ6	W08P002940	WATER
	B1VLJ7	W08P002941	WATER
	B1VLK0	W08P002934	WATER
	B1VLK2	W08P002935	WATER
	B1VLK9	W08P002933	WATER
	B1VLX8	W08P002937	WATER
	B1VLX9	W08P002939	WATER
	B1VLY0	W08P002936	WATER
	B1VLY1	W08P002938	WATER
	B1VLY3	W08P002928	WATER
	B1VLY4	W08P002929	WATER
	B1VLY6	W08P002917	WATER
	B1VLY7	W08P002918	WATER
W08-004	B1V393	W08P002962	WATER
W08-006	B1VMP4	W08P002967	WATER
	B1VMP5	W08P002968	WATER
	B1VMP6	W08P002969	WATER
	B1VMP7	W08P002970	WATER

WSCF SAF NUMBER CROSS REFERENCE

Group#: WSCF20081245
Data Deliverable Date: 06-aug-2008

Data Deliverable: Cover Sheet

SAF#	Sample ID	WSCF#	Matrix
	B1VMP8	W08P002990	WATER
	B1VMP9	W08P002991	WATER
	B1VMV4	W08P002963	WATER
	B1VMV5	W08P002964	WATER
	B1VMV6	W08P002965	WATER
	B1VMV7	W08P002966	WATER
	B1VMV8	W08P002987	WATER
	B1VMV9	W08P002988	WATER
	B1VMW9	W08P002971	WATER
	B1VMX0	W08P002972	WATER
	B1VMX1	W08P002973	WATER
	B1VMX2	W08P002974	WATER
	B1VMX3	W08P002996	WATER
	B1VMX4	W08P002997	WATER
	B1VMX7	W08P002993	WATER
	B1VMX8	W08P002994	WATER
	B1VN05	W08P002983	WATER
	B1VN06	W08P002984	WATER
	B1VN07	W08P002985	WATER
	B1VN08	W08P002986	WATER
	B1VN09	W08P003010	WATER
	B1VN10	W08P003011	WATER
	B1VN20	W08P002975	WATER
	B1VN21	W08P002976	WATER
	B1VN22	W08P002977	WATER
	B1VN23	W08P002978	WATER
	B1VN24	W08P002999	WATER
	B1VN25	W08P003000	WATER
	B1VN65	W08P002979	WATER
	B1VN66	W08P002980	WATER
	B1VN67	W08P002981	WATER
	B1VN68	W08P002982	WATER
	B1VN69	W08P003007	WATER
	B1VN70	W08P003008	WATER
	B1VPD2	W08P003021	WATER
	B1VPD3	W08P003025	WATER
	B1VPT1	W08P002942	WATER
	B1VPT2	W08P002943	WATER
	B1VPT5	W08P002947	WATER
	B1VPT7	W08P002946	WATER
	B1VPT9	W08P002945	WATER
	B1VPV1	W08P002944	WATER
	B1VRC2	W08P002992	WATER
	B1VRC6	W08P002989	WATER
	B1VRC7	W08P002960	WATER
	B1VRC8	W08P002961	WATER
	B1VRD1	W08P002957	WATER

WSCF SAF NUMBER CROSS REFERENCE

Group#: WSCF20081245
Data Deliverable Date: 06-aug-2008

SAF#	Data Deliverable: Sample ID	Cover Sheet WSCF#	Matrix
	B1VRD2	W08P002959	WATER
	B1VRD4	W08P002998	WATER
	B1VRD5	W08P002995	WATER
	B1VRD8	W08P003012	WATER
	B1VRF0	W08P003001	WATER
	B1VRF6	W08P003009	WATER
	B1VRL8	W08P003013	WATER
	B1VRL9	W08P003015	WATER
	B1VRM6	W08P003017	WATER
	B1VRM7	W08P003019	WATER

M4W41-SLF-08-793

ATTACHMENT 2

NARRATIVE

Consisting of 5 pages
Including cover page

Introduction

Ninety-five (95) groundwater or S&GRP samples were received at the WSCF Laboratory on June 23, 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. Copies of the following Issue Resolution Forms (IRF) are included as Attachment 3.

- IRF #08-100, Rev 1 – Missed Regulatory Hold Time on Anion Samples
- IRF # 08-102 – Improper Preservation of TOC Samples
- IRF (proposed) – Missed Regulatory Hold Time on TOC Sample# B1VN08

A Data Summary Report (Attachment 4) 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 5.

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,* pages 25-28 for a complete listing of approved analytical methods.

Inorganic Comments

Anions – The 48-hour hold time requirement for this analysis was not met for all samples. See comment below. 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 141-147 for QC details. Analytical Note(s):

- Missed Hold Time – A copy of IRF #08-100, documenting the missed regulatory hold time is included as Attachment 3.
- Duplicates, Matrix Spikes and Matrix Spike Duplicates were analyzed on the following samples
    - B1VRM7, B1VRM7 and B1VLX9 of this SDG; B1VJT5 (SDG# 20081248); and, B1VK00 (SDG# 20081252).

- 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.

- Nitrite-N (B1VLX9) –Matrix Spike for was less than established laboratory limits. Affected sample results were N flagged.

All other QC controls are within the established limits.

Cyanide – The hold time requirement for this analysis was met. A Matrix Spike, Matrix Spike Duplicate, Blank and Laboratory Control Sample were analyzed with this delivery group per GRP Letter of Instruction. See page 148 for QC details. Analytical Note(s):

- Matrix Spikes and Matrix Spike Duplicates were analyzed on samples B1VP48 (SDG# 20081187) and B1V577 (SDG# 20081261, SAF# F08-103).

All 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 149-158 for QC details. Analytical Note(s):

- Matrix Spikes and Matrix Spike Duplicates were analyzed on samples B1VM26 (SDG# 20081187), and B1VLX8 and B1VN10 of this SDG. Calcium, Magnesium and Sodium sample concentrations exceeded spiking levels by a factor of 4. Spike recoveries are not valid. Check standard was analyzed to ensure linearity because the sample results were greater than the calibration standard.

All other QC controls are within the established limits.

ICP-MS 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 page 159 for QC details. Analytical Note(s):

- Matrix Spikes and Matrix Spike Duplicates were analyzed on samples B1VLV6, B1VNX1 and B1VP96 (SDG# 20081184),

All QC controls are within the established limits.

Total Alkalinity – The hold time requirement for this analysis was met. A Duplicate and Laboratory Control Sample were analyzed with this delivery group per GRP Letter of Instruction. See page 160 for QC details. Analytical Note(s):

- Duplicates were analyzed on samples B1VRK0 (SDG# 20081240) and B1VK09 (SDG# 20081252).

All QC controls are within the established limits.

Total Organic Carbon – Except for sample #B1VN08, the hold time requirement for this analysis was met. See comment below. A Matrix Spike, Matrix Spike Duplicate, Blank and Method Spike were analyzed with this delivery group per the GRP Letter of Instruction. See pages 161-162 for QC details. Analytical Note(s):

- Missed Hold Time on sample #B1VN08 – A copy of proposed IRF, documenting the missed regulatory hold time is included as Attachment 3. Additionally, a copy of IRF# 08-102, documenting improper preservation of TOC samples in the field is all included in Attachment 3.

- Matrix Spikes and Matrix Spike Duplicates were analyzed on samples B1V654 (SDG# 20081134); B1VN95 (SDG# 20081195); B1VJT5 (SDG# 20081248); B1VPW1 (SDG# 20081260); and, B1VMV7 and B1VMV7of this SDG

All QC controls are within the established limits.

Total Organic Halides – The hold time requirement for this analysis was 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 page 163 for QC details. Analytical Note(s):

- Matrix Spikes and Matrix Spike Duplicates were analyzed on samples B1VP91 (SDG# 20081184) and B1VP07 (SDG# 20081187).

All QC controls are within the established limits.

Organic Comments

VOA – The hold time requirement for this analysis was 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 189-193 for QC details. Analytical Note(s):

- Sample results that were less than the lowest calibration standard, however greater than the method detection limit were J flagged.

All QC controls are within the established limits.

Radiochemistry Comments

Rad Chem – There are no hold times associated with WSCF's radiochemical methods. A Duplicate, Matrix Spike, Blank and Laboratory Control Sample were analyzed with this delivery group. See page 214-219 for QC details. Analytical Note(s):

- Technetium-99 – Duplicates and Matrix Spikes were analyzed on samples B1VP48 (SDG# 20081187) and B1VLJ6 of this SDG. Matrix Spike (B1VLJ6) recovery was less than established limits due to high activity in sample. No flags issued.
- Tritium – Duplicates and Matrix Spikes were analyzed on samples B1VKW3 (SDG# 20081240) and B1VLH3 of this SDG.
- Gross Alpha /Gross Beta – Duplicate Relative Percent Differences (RPDs) exceeded established laboratory limits.

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-08-793

ATTACHMENT 3

ISSUE RESOLUTION FORM

Consisting of 4 pages
Including cover page

ISSUE RESOLUTION FORM

PNNL TRACKING NUMBER: 08-100, **Rev 1**

Date : **7-21-2008** SAF No. **I08-044, S08-006, W08-006**

SDG: **WSCF20081245** LOGIN No.: TEST: ANIONS (@IC-30)

Sample No.(s) **B1VL35, B1VLY7, B1VLH3, B1VLY4, B1VLY1, B1VLX9, B1VRD2, B1VMV9, B1VMP9, B1VMX8, B1VMX4, B1VN25, B1VN70, B1VN10, B1VRL9, B1VRM7, B1VPD3**

(W08P002914, W08P002918, W08P002927, W08P002929, W08P002938, W08P002939, W08P002959, W08P002988, W08P002991, W08P002994, W08P002997, W08P003000, W08P003008, W08P003011, W08P003015, W08P003019, W08P003025)

Submitted By:	WW Baird	Submitted To:	H Hampt
Phone No.	373-7189	Phone No.	376-4319
Fax No.	372-0456	Fax No	

ISSUE

Missed 48-hour regulatory holding time for the Nitrite-N and Nitrate-N analyses on GPAP samples.

Samples were collected on June 22 and submitted to the WSCF Laboratory on June 23, 2008. Samples were successfully analyzed on June 24, 2008.

QC Controls - With the exception of low Nitrite-N spike recoveries for Batch QC analyzed on sample# B1VLX9, all QC Controls are within established laboratory limits. For Batch QC (B1VLX9), however

- Matrix Spike and Matrix Spike Duplicate recoveries for Nitrite-N are 73.8% and 80.2%, respectively, with a laboratory range of 80% to 120%.
- Five of the GPAP samples identified above are affected. Nitrite-N results will be N flagged on the samples **B1VLX9, B1VL35, B1VLY7, B1VMX4 and B1VN10.**

PROPOSED RESOLUTION

Accept Nitrite-N and Nitrate-N analytical results (accept as-is) and document missed holding time in the case narrative.

Additionally, document in the case narrative the low Nitrite-N spike recoveries (Batch QC - B1VLX9) which required N flags on samples **B1VLX9, B1VL35, B1VLY7, B1VMX4 and B1VN10.**

GRP COMMENTS

Accept proposed resolution.

Heidi Hampt 7/22/08
Signature and Date

ISSUE RESOLUTION FORM

PNNL TRACKING NUMBER: 08-102
Date : **07-18-2008** SAF No. **W08-006**

SDG: **WSCF20081245** LOGIN No.: TEST: TOC-30

Sample No.(s) **B1VMV4, B1VMV5, B1VMV6, B1VMV7, B1VMP4, B1VMP5, B1VMP6, B1VMP7, B1VMW9, B1VMX0, B1VMX1, B1VMX2, B1VN20, B1VN21, B1VN22, B1VN23, B1VN65, B1VN66, B1VN67, B1VN68, B1VN05, B1VN06, B1VN07**

(W08P002963, W08P002964, W08P002965, W08P002966, W08P002967, W08P002968, W08P002969, W08P002970, W08P002971, W08P002972, W08P002973, W08P002974, W08P002975, W08P002976, W08P002977, W08P002978, W08P002979, W08P002980, W08P002981, W08P002982, W08P002983, W08P002984, W08P002985)

Submitted By:	WW Baird	Submitted To:	H Hampt
Phone No.	373-7189	Phone No.	376-4319
Fax No.	372-0456	Fax No	

ISSUE	PROPOSED RESOLUTION
On June 23, 2008, GPAP samples (identified above) were delivered to the WSCF Laboratory with improper preservation. Samples were not acidified as per COC requirements. Samples were acidified by WSCF Laboratory personnel and samples identified above have been successfully analyzed July 9 and July 15, 2008. All QC Controls are within established laboratory limits.	Accept TOC sample results and document in the case narrative that the samples were not correctly preserved in the field.

GRP COMMENTS
Accept proposed resolution.

Heidi Hampt 7/22/08
Signature and Date

ISSUE RESOLUTION FORM

PNNL TRACKING NUMBER: 08-XXX

DRAFT

Date : **7-28-2008** SAF No. **W08-006**

SDG: **WSCF20081245** LOGIN No.: TEST: TOC -30

Sample No.(s) **B1VN08**

(W08P002986)

Submitted By:	WW Baird	Submitted To:	H Hampt
Phone No.	373-7189	Phone No.	376-4319
Fax No.	372-0456	Fax No	

ISSUE	**PROPOSED RESOLUTION**
Missed regulatory holding time for TOC on GPAP sample identified above. Sample was collected on June 22, 2008 and delivered to the WSCF Laboratory on June 23, 2008. Due to a WSCF Laboratory error, analysis of the TOC sample was slightly delayed beyond the 28-day regulatory hold time requirement. On July 22, 2008, TOC sample was successfully analyzed with all associated QC controls within established laboratory limits.	Accept TOC result (accept as-is) and document missed holding time in the case narrative.

GRP COMMENTS

_____

Signature and Date

M4W41-SLF-08-793

ATTACHMENT 4

ANALYTICAL RESULTS

Consisting of 207 pages
Including cover page

WSCF
ANALYTICAL RESULTS REPORT

for

GPAP
Richland, WA 99352

Attention: Steve Trent E6-35

Analytical: S. F. Fitzgerald 8/11/08

Client Services: P. D. Mix 8/11/2008

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

Report#: WSCF20081245
Report Date: 11-aug-2008
Report WGPP/ver. 5.2
GPAP

w13qlog v4.2 11-aug-2008 13:25:01

Department: Inorganic

W13q Worklist/Batch/QC Report for Group# WSCF20081245

WL#	S#	Batch	QC#	Tray Type	Sample#	Test
36817	6	37239	41579	BLANK		Cyanide by Midi/Spectrophotom
36817	7	37239	41579	LCS		Cyanide by Midi/Spectrophotom
36817	10	37239	41579	MS	W08P002871	Cyanide by Midi/Spectrophotom
36817	11	37239	41579	MSD	W08P002871	Cyanide by Midi/Spectrophotom
36817	11	37239	41579	SPK-RPD	W08P002871	Cyanide by Midi/Spectrophotom
36817	14	37239	41579	SAMPLE	W08P002989	Cyanide by Midi/Spectrophotom
36817	15	37239	41579	SAMPLE	W08P002992	Cyanide by Midi/Spectrophotom
36817	16	37239	41579	SAMPLE	W08P002995	Cyanide by Midi/Spectrophotom
36817	17	37239	41579	SAMPLE	W08P002998	Cyanide by Midi/Spectrophotom
36817	18	37239	41579	SAMPLE	W08P003001	Cyanide by Midi/Spectrophotom
36817	19	37239	41579	SAMPLE	W08P003009	Cyanide by Midi/Spectrophotom
36823	2	37244	41583	BLANK		Anions by Ion Chromatography
36823	15	37244	41583	BLANK		Anions by Ion Chromatography
36823	3	37244	41583	LCS		Anions by Ion Chromatography
36823	9	37244	41583	SAMPLE	W08P002938	Anions by Ion Chromatography
36823	8	37244	41583	SAMPLE	W08P003015	Anions by Ion Chromatography
36823	5	37244	41583	DUP	W08P003019	Anions by Ion Chromatography
36823	6	37244	41583	MS	W08P003019	Anions by Ion Chromatography
36823	7	37244	41583	MSD	W08P003019	Anions by Ion Chromatography
36823	4	37244	41583	SAMPLE	W08P003019	Anions by Ion Chromatography
36823	7	37244	41583	SPK-RPD	W08P003019	Anions by Ion Chromatography
36822	2	37247	41584	BLANK		Anions by Ion Chromatography
36822	12	37247	41584	BLANK		Anions by Ion Chromatography
36822	24	37247	41584	BLANK		Anions by Ion Chromatography
36822	3	37247	41584	LCS		Anions by Ion Chromatography
36822	13	37247	41584	LCS		Anions by Ion Chromatography
36822	10	37247	41584	SAMPLE	W08P002912	Anions by Ion Chromatography
36822	15	37247	41584	DUP	W08P002929	Anions by Ion Chromatography
36822	16	37247	41584	MS	W08P002929	Anions by Ion Chromatography
36822	17	37247	41584	MSD	W08P002929	Anions by Ion Chromatography
36822	14	37247	41584	SAMPLE	W08P002929	Anions by Ion Chromatography
36822	17	37247	41584	SPK-RPD	W08P002929	Anions by Ion Chromatography
36822	5	37247	41584	DUP	W08P002958	Anions by Ion Chromatography
36822	6	37247	41584	MS	W08P002958	Anions by Ion Chromatography
36822	7	37247	41584	MSD	W08P002958	Anions by Ion Chromatography
36822	7	37247	41584	SPK-RPD	W08P002958	Anions by Ion Chromatography
36822	11	37247	41584	SAMPLE	W08P002959	Anions by Ion Chromatography
36822	23	37247	41584	SAMPLE	W08P002988	Anions by Ion Chromatography
36822	18	37247	41584	SAMPLE	W08P002994	Anions by Ion Chromatography
36822	21	37247	41584	SAMPLE	W08P003000	Anions by Ion Chromatography
36822	19	37247	41584	SAMPLE	W08P003008	Anions by Ion Chromatography
36822	22	37247	41584	SAMPLE	W08P003025	Anions by Ion Chromatography
36825	2	37245	41588	BLANK		Anions by Ion Chromatography
36825	11	37245	41588	BLANK		Anions by Ion Chromatography
36825	23	37245	41588	BLANK		Anions by Ion Chromatography
36825	3	37245	41588	LCS		Anions by Ion Chromatography
36825	12	37245	41588	LCS		Anions by Ion Chromatography
36825	18	37245	41588	SAMPLE	W08P002914	Anions by Ion Chromatography
36825	5	37245	41588	SAMPLE	W08P002916	Anions by Ion Chromatography

36825	17	37245	41588	SAMPLE	W08P002918	Anions by Ion Chromatography
36825	4	37245	41588	SAMPLE	W08P002927	Anions by Ion Chromatography
36825	14	37245	41588	DUP	W08P002939	Anions by Ion Chromatography
36825	15	37245	41588	MS	W08P002939	Anions by Ion Chromatography
36825	16	37245	41588	MSD	W08P002939	Anions by Ion Chromatography
36825	13	37245	41588	SAMPLE	W08P002939	Anions by Ion Chromatography
36825	16	37245	41588	SPK-RPD	W08P002939	Anions by Ion Chromatography
36825	6	37245	41588	SAMPLE	W08P002991	Anions by Ion Chromatography
36825	19	37245	41588	SAMPLE	W08P002997	Anions by Ion Chromatography
36825	21	37245	41588	SAMPLE	W08P003011	Anions by Ion Chromatography
36825	8	37245	41588	DUP	W08P003014	Anions by Ion Chromatography
36825	9	37245	41588	MS	W08P003014	Anions by Ion Chromatography
36825	10	37245	41588	MSD	W08P003014	Anions by Ion Chromatography
36825	10	37245	41588	SPK-RPD	W08P003014	Anions by Ion Chromatography
36924	1	37345	41702	LCS		Total Alkalinity as mg/L CaCO3
36924	13	37345	41702	LCS		Total Alkalinity as mg/L CaCO3
36924	24	37345	41702	LCS		Total Alkalinity as mg/L CaCO3
36924	36	37345	41702	LCS		Total Alkalinity as mg/L CaCO3
36924	46	37345	41702	LCS		Total Alkalinity as mg/L CaCO3
36924	3	37345	41702	DUP	W08P002897	Total Alkalinity as mg/L CaCO3
36924	6	37345	41702	SAMPLE	W08P002918	Total Alkalinity as mg/L CaCO3
36924	7	37345	41702	SAMPLE	W08P002929	Total Alkalinity as mg/L CaCO3
36924	8	37345	41702	SAMPLE	W08P002931	Total Alkalinity as mg/L CaCO3
36924	9	37345	41702	SAMPLE	W08P002932	Total Alkalinity as mg/L CaCO3
36924	10	37345	41702	SAMPLE	W08P002933	Total Alkalinity as mg/L CaCO3
36924	11	37345	41702	SAMPLE	W08P002934	Total Alkalinity as mg/L CaCO3
36924	12	37345	41702	SAMPLE	W08P002935	Total Alkalinity as mg/L CaCO3
36924	14	37345	41702	SAMPLE	W08P002938	Total Alkalinity as mg/L CaCO3
36924	15	37345	41702	SAMPLE	W08P002939	Total Alkalinity as mg/L CaCO3
36924	16	37345	41702	SAMPLE	W08P002940	Total Alkalinity as mg/L CaCO3
36924	17	37345	41702	SAMPLE	W08P002941	Total Alkalinity as mg/L CaCO3
36924	18	37345	41702	SAMPLE	W08P002959	Total Alkalinity as mg/L CaCO3
36924	19	37345	41702	SAMPLE	W08P002961	Total Alkalinity as mg/L CaCO3
36924	20	37345	41702	SAMPLE	W08P003015	Total Alkalinity as mg/L CaCO3
36924	26	37345	41702	DUP	W08P003018	Total Alkalinity as mg/L CaCO3
36924	21	37345	41702	SAMPLE	W08P003019	Total Alkalinity as mg/L CaCO3
36924	22	37345	41702	SAMPLE	W08P003025	Total Alkalinity as mg/L CaCO3
36947	1	37370	41722	BLANK		Total Organic Halides
36947	2	37370	41722	LCS		Total Organic Halides
36947	5	37370	41722	MS	W08P002826	Total Organic Halides
36947	6	37370	41722	MSD	W08P002826	Total Organic Halides
36947	6	37370	41722	SPK-RPD	W08P002826	Total Organic Halides
36947	12	37370	41722	MS	W08P002855	Total Organic Halides
36947	13	37370	41722	MSD	W08P002855	Total Organic Halides
36947	13	37370	41722	SPK-RPD	W08P002855	Total Organic Halides
36947	18	37370	41722	SAMPLE	W08P002979	Total Organic Halides
36947	19	37370	41722	SAMPLE	W08P002980	Total Organic Halides
36947	20	37370	41722	SAMPLE	W08P002981	Total Organic Halides
36947	21	37370	41722	SAMPLE	W08P002982	Total Organic Halides
36933	1	37349	41733	BLANK		Cyanide by Midi/Spectrophotom
36933	2	37349	41733	LCS		Cyanide by Midi/Spectrophotom
36933	5	37349	41733	MS	W08GR01833	Cyanide by Midi/Spectrophotom
36933	6	37349	41733	MSD	W08GR01833	Cyanide by Midi/Spectrophotom
36933	6	37349	41733	SPK-RPD	W08GR01833	Cyanide by Midi/Spectrophotom
36933	10	37349	41733	SAMPLE	W08P003012	Cyanide by Midi/Spectrophotom
37006	1	37429	41770	BLANK		ICP-200.8 MS All possible meta

37006	2	37429	41770	LCS		ICP-200.8 MS All possible meta
37006	4	37429	41770	MS	W08P002806	ICP-200.8 MS All possible meta
37006	5	37429	41770	MSD	W08P002806	ICP-200.8 MS All possible meta
37006	5	37429	41770	SPK-RPD	W08P002806	ICP-200.8 MS All possible meta
37006	7	37429	41770	MS	W08P002825	ICP-200.8 MS All possible meta
37006	8	37429	41770	MSD	W08P002825	ICP-200.8 MS All possible meta
37006	8	37429	41770	SPK-RPD	W08P002825	ICP-200.8 MS All possible meta
37006	10	37429	41770	MS	W08P002831	ICP-200.8 MS All possible meta
37006	11	37429	41770	MSD	W08P002831	ICP-200.8 MS All possible meta
37006	11	37429	41770	SPK-RPD	W08P002831	ICP-200.8 MS All possible meta
37006	25	37429	41770	SAMPLE	W08P002904	ICP-200.8 MS All possible meta
37006	26	37429	41770	SAMPLE	W08P002905	ICP-200.8 MS All possible meta
37006	27	37429	41770	SAMPLE	W08P002906	ICP-200.8 MS All possible meta
37006	28	37429	41770	SAMPLE	W08P002907	ICP-200.8 MS All possible meta
37006	29	37429	41770	SAMPLE	W08P002908	ICP-200.8 MS All possible meta
37006	30	37429	41770	SAMPLE	W08P002909	ICP-200.8 MS All possible meta
37006	31	37429	41770	SAMPLE	W08P002910	ICP-200.8 MS All possible meta
37006	32	37429	41770	SAMPLE	W08P002911	ICP-200.8 MS All possible meta
37006	33	37429	41770	SAMPLE	W08P002912	ICP-200.8 MS All possible meta
37006	34	37429	41770	SAMPLE	W08P002913	ICP-200.8 MS All possible meta
37006	35	37429	41770	SAMPLE	W08P002914	ICP-200.8 MS All possible meta
37006	36	37429	41770	SAMPLE	W08P002915	ICP-200.8 MS All possible meta
37006	37	37429	41770	SAMPLE	W08P002916	ICP-200.8 MS All possible meta
37006	38	37429	41770	SAMPLE	W08P002924	ICP-200.8 MS All possible meta
37006	39	37429	41770	SAMPLE	W08P002925	ICP-200.8 MS All possible meta
37006	40	37429	41770	SAMPLE	W08P002926	ICP-200.8 MS All possible meta
37006	41	37429	41770	SAMPLE	W08P002927	ICP-200.8 MS All possible meta
37006	42	37429	41770	SAMPLE	W08P002930	ICP-200.8 MS All possible meta
37006	43	37429	41770	SAMPLE	W08P002931	ICP-200.8 MS All possible meta
37006	44	37429	41770	SAMPLE	W08P002942	ICP-200.8 MS All possible meta
37006	45	37429	41770	SAMPLE	W08P002943	ICP-200.8 MS All possible meta
37006	46	37429	41770	SAMPLE	W08P002944	ICP-200.8 MS All possible meta
37006	47	37429	41770	SAMPLE	W08P002945	ICP-200.8 MS All possible meta
37006	48	37429	41770	SAMPLE	W08P002946	ICP-200.8 MS All possible meta
37006	49	37429	41770	SAMPLE	W08P002947	ICP-200.8 MS All possible meta
37006	19	37429	41770	SAMPLE	W08P002959	ICP-200.8 MS All possible meta
37006	51	37429	41770	SAMPLE	W08P002961	ICP-200.8 MS All possible meta
37010	1	37433	41784	BLANK		Total Organic Carbon
37010	2	37433	41784	METHSPIKE		Total Organic Carbon
37010	3	37433	41784	SPK-RSD		Total Organic Carbon
37010	4	37433	41784	MS	W08P002695	Total Organic Carbon
37010	5	37433	41784	MSD	W08P002695	Total Organic Carbon
37010	5	37433	41784	SPK-RPD	W08P002695	Total Organic Carbon
37010	18	37433	41784	MS	W08P002879	Total Organic Carbon
37010	19	37433	41784	MSD	W08P002879	Total Organic Carbon
37010	19	37433	41784	SPK-RPD	W08P002879	Total Organic Carbon
37010	27	37433	41784	SAMPLE	W08P002963	Total Organic Carbon
37010	28	37433	41784	SAMPLE	W08P002964	Total Organic Carbon
37010	29	37433	41784	SAMPLE	W08P002965	Total Organic Carbon
37113	1	37539	41883	BLANK		Total Organic Carbon
37113	2	37539	41883	METHSPIKE		Total Organic Carbon
37113	3	37539	41883	SPK-RSD		Total Organic Carbon
37113	20	37539	41883	SPK-RSD		Total Organic Carbon
37113	4	37539	41883	MS	W08P002966	Total Organic Carbon
37113	5	37539	41883	MSD	W08P002966	Total Organic Carbon
37113	7	37539	41883	SAMPLE	W08P002966	Total Organic Carbon
37113	5	37539	41883	SPK-RPD	W08P002966	Total Organic Carbon
37113	8	37539	41883	SAMPLE	W08P002967	Total Organic Carbon

37113	9	37539	41883	SAMPLE	W08P002968	Total Organic Carbon
37113	10	37539	41883	SAMPLE	W08P002969	Total Organic Carbon
37113	11	37539	41883	SAMPLE	W08P002970	Total Organic Carbon
37113	12	37539	41883	SAMPLE	W08P002971	Total Organic Carbon
37113	13	37539	41883	SAMPLE	W08P002972	Total Organic Carbon
37113	14	37539	41883	SAMPLE	W08P002973	Total Organic Carbon
37113	15	37539	41883	SAMPLE	W08P002974	Total Organic Carbon
37113	16	37539	41883	SAMPLE	W08P002975	Total Organic Carbon
37113	18	37539	41883	MS	W08P002976	Total Organic Carbon
37113	19	37539	41883	MSD	W08P002976	Total Organic Carbon
37113	17	37539	41883	SAMPLE	W08P002976	Total Organic Carbon
37113	19	37539	41883	SPK-RPD	W08P002976	Total Organic Carbon
37113	21	37539	41883	SAMPLE	W08P002977	Total Organic Carbon
37113	22	37539	41883	SAMPLE	W08P002978	Total Organic Carbon
37113	23	37539	41883	SAMPLE	W08P002979	Total Organic Carbon
37113	24	37539	41883	SAMPLE	W08P002980	Total Organic Carbon
37113	25	37539	41883	SAMPLE	W08P002981	Total Organic Carbon
37113	26	37539	41883	SAMPLE	W08P002982	Total Organic Carbon
37113	27	37539	41883	SAMPLE	W08P002983	Total Organic Carbon
37113	28	37539	41883	SAMPLE	W08P002984	Total Organic Carbon
37113	29	37539	41883	SAMPLE	W08P002985	Total Organic Carbon
37166	1	37589	41974	BLANK		ICP Metals Analysis, Grd H20 P
37166	2	37589	41974	LCS		ICP Metals Analysis, Grd H20 P
37166	4	37589	41974	MS	W08P002873	ICP Metals Analysis, Grd H20 P
37166	5	37589	41974	MSD	W08P002873	ICP Metals Analysis, Grd H20 P
37166	5	37589	41974	SPK-RPD	W08P002873	ICP Metals Analysis, Grd H20 P
37166	16	37589	41974	SAMPLE	W08P002911	ICP Metals Analysis, Grd H20 P
37166	17	37589	41974	SAMPLE	W08P002912	ICP Metals Analysis, Grd H20 P
37166	18	37589	41974	SAMPLE	W08P002913	ICP Metals Analysis, Grd H20 P
37166	19	37589	41974	SAMPLE	W08P002914	ICP Metals Analysis, Grd H20 P
37166	20	37589	41974	SAMPLE	W08P002917	ICP Metals Analysis, Grd H20 P
37166	21	37589	41974	SAMPLE	W08P002918	ICP Metals Analysis, Grd H20 P
37166	22	37589	41974	SAMPLE	W08P002928	ICP Metals Analysis, Grd H20 P
37166	23	37589	41974	SAMPLE	W08P002929	ICP Metals Analysis, Grd H20 P
37166	24	37589	41974	SAMPLE	W08P002936	ICP Metals Analysis, Grd H20 P
37239	1	37671	41987	BLANK		Total Organic Carbon
37239	2	37671	41987	METHSPIKE		Total Organic Carbon
37239	19	37671	41987	METHSPIKE		Total Organic Carbon
37239	3	37671	41987	SPK-RSD		Total Organic Carbon
37239	20	37671	41987	SPK-RSD		Total Organic Carbon
37239	4	37671	41987	MS	W08P002958	Total Organic Carbon
37239	5	37671	41987	MSD	W08P002958	Total Organic Carbon
37239	5	37671	41987	SPK-RPD	W08P002958	Total Organic Carbon
37239	8	37671	41987	SAMPLE	W08P002986	Total Organic Carbon
37239	21	37671	41987	MS	W08P003047	Total Organic Carbon
37239	22	37671	41987	MSD	W08P003047	Total Organic Carbon
37239	22	37671	41987	SPK-RPD	W08P003047	Total Organic Carbon
37333	1	37616	42125	BLANK		ICP Metals Analysis, Grd H20 P
37333	2	37616	42125	LCS		ICP Metals Analysis, Grd H20 P
37333	4	37616	42125	MS	W08P002937	ICP Metals Analysis, Grd H20 P
37333	5	37616	42125	MSD	W08P002937	ICP Metals Analysis, Grd H20 P
37333	3	37616	42125	SAMPLE	W08P002937	ICP Metals Analysis, Grd H20 P
37333	5	37616	42125	SPK-RPD	W08P002937	ICP Metals Analysis, Grd H20 P
37333	6	37616	42125	SAMPLE	W08P002938	ICP Metals Analysis, Grd H20 P
37333	7	37616	42125	SAMPLE	W08P002939	ICP Metals Analysis, Grd H20 P
37333	8	37616	42125	SAMPLE	W08P002957	ICP Metals Analysis, Grd H20 P
37333	9	37616	42125	SAMPLE	W08P002959	ICP Metals Analysis, Grd H20 P

37333	10	37616	42125	SAMPLE	W08P002960	ICP Metals Analysis, Grd H20 P
37333	11	37616	42125	SAMPLE	W08P002961	ICP Metals Analysis, Grd H20 P
37333	12	37616	42125	SAMPLE	W08P002987	ICP Metals Analysis, Grd H20 P
37333	13	37616	42125	SAMPLE	W08P002988	ICP Metals Analysis, Grd H20 P
37333	14	37616	42125	SAMPLE	W08P002990	ICP Metals Analysis, Grd H20 P
37333	15	37616	42125	SAMPLE	W08P002991	ICP Metals Analysis, Grd H20 P
37333	16	37616	42125	SAMPLE	W08P002993	ICP Metals Analysis, Grd H20 P
37333	17	37616	42125	SAMPLE	W08P002994	ICP Metals Analysis, Grd H20 P
37333	18	37616	42125	SAMPLE	W08P002996	ICP Metals Analysis, Grd H20 P
37333	19	37616	42125	SAMPLE	W08P002997	ICP Metals Analysis, Grd H20 P
37333	20	37616	42125	SAMPLE	W08P002999	ICP Metals Analysis, Grd H20 P
37333	21	37616	42125	SAMPLE	W08P003000	ICP Metals Analysis, Grd H20 P
37333	22	37616	42125	SAMPLE	W08P003007	ICP Metals Analysis, Grd H20 P
37333	23	37616	42125	SAMPLE	W08P003008	ICP Metals Analysis, Grd H20 P
37333	24	37616	42125	SAMPLE	W08P003010	ICP Metals Analysis, Grd H20 P
37315	1	37617	42193	BLANK		ICP Metals Analysis, Grd H20 P
37315	2	37617	42193	LCS		ICP Metals Analysis, Grd H20 P
37315	4	37617	42193	MS	W08P003011	ICP Metals Analysis, Grd H20 P
37315	5	37617	42193	MSD	W08P003011	ICP Metals Analysis, Grd H20 P
37315	3	37617	42193	SAMPLE	W08P003011	ICP Metals Analysis, Grd H20 P
37315	5	37617	42193	SPK-RPD	W08P003011	ICP Metals Analysis, Grd H20 P
37315	6	37617	42193	SAMPLE	W08P003013	ICP Metals Analysis, Grd H20 P
37315	8	37617	42193	SAMPLE	W08P003015	ICP Metals Analysis, Grd H20 P
37315	10	37617	42193	SAMPLE	W08P003017	ICP Metals Analysis, Grd H20 P
37315	12	37617	42193	SAMPLE	W08P003019	ICP Metals Analysis, Grd H20 P
37315	14	37617	42193	SAMPLE	W08P003021	ICP Metals Analysis, Grd H20 P
37315	18	37617	42193	SAMPLE	W08P003025	ICP Metals Analysis, Grd H20 P

w13qlog v4.2 11-aug-2008 13:25:01

Department: Organic

W13q Worklist/Batch/QC Report for Group# WSCF20081245

WL#	S#	Batch	QC#	Tray Type	Sample#	Test
			42198	BLANK		VOA Ground Water Protection
			42198	LCS		VOA Ground Water Protection
			42198	MS	W08P002912	VOA Ground Water Protection
			42198	MSD	W08P002912	VOA Ground Water Protection
			42198	SAMPLE	W08P002912	VOA Ground Water Protection
			42198	SPK-RPD	W08P002912	VOA Ground Water Protection
			42198	SURR	W08P002912	VOA Ground Water Protection
			42198	SAMPLE	W08P002914	VOA Ground Water Protection
			42198	SURR	W08P002914	VOA Ground Water Protection
			42198	SAMPLE	W08P002915	VOA Ground Water Protection
			42198	SURR	W08P002915	VOA Ground Water Protection
			42198	SAMPLE	W08P002916	VOA Ground Water Protection
			42198	SURR	W08P002916	VOA Ground Water Protection
			42198	SAMPLE	W08P002942	VOA Ground Water Protection
			42198	SURR	W08P002942	VOA Ground Water Protection
			42198	SAMPLE	W08P002943	VOA Ground Water Protection
			42198	SURR	W08P002943	VOA Ground Water Protection
			42198	SAMPLE	W08P002944	VOA Ground Water Protection
			42198	SURR	W08P002944	VOA Ground Water Protection
			42198	SAMPLE	W08P002945	VOA Ground Water Protection
			42198	SURR	W08P002945	VOA Ground Water Protection
			42198	SAMPLE	W08P002946	VOA Ground Water Protection
			42198	SURR	W08P002946	VOA Ground Water Protection
			42198	SAMPLE	W08P002947	VOA Ground Water Protection
			42198	SURR	W08P002947	VOA Ground Water Protection
			42198	SAMPLE	W08P002962	VOA Ground Water Protection
			42198	SURR	W08P002962	VOA Ground Water Protection

w13qlog v4.2 11-aug-2008 13:25:01

Department: Radiochemistry

W13q Worklist/Batch/QC Report for Group# WSCF20081245

WL#	S#	Batch	QC#	Tray Type	Sample#	Test
36874	1	37294	41644	BLANK		TC99 by Liquid Scin.
36874	4	37294	41644	LCS		TC99 by Liquid Scin.
36874	3	37294	41644	DUP	W08P002871	TC99 by Liquid Scin.
36874	2	37294	41644	MS	W08P002871	TC99 by Liquid Scin.
36874	11	37294	41644	SAMPLE	W08P002905	TC99 by Liquid Scin.
36874	12	37294	41644	SAMPLE	W08P002906	TC99 by Liquid Scin.
36874	13	37294	41644	SAMPLE	W08P002907	TC99 by Liquid Scin.
36874	14	37294	41644	SAMPLE	W08P002908	TC99 by Liquid Scin.
36874	15	37294	41644	SAMPLE	W08P002909	TC99 by Liquid Scin.
36874	16	37294	41644	SAMPLE	W08P002912	TC99 by Liquid Scin.
36874	17	37294	41644	SAMPLE	W08P002914	TC99 by Liquid Scin.
36931	1	37353	41718	BLANK		Strontium 89/90
36931	2	37353	41718	LCS		Strontium 89/90
36931	3	37353	41718	DUP	W08P002925	Strontium 89/90
36931	4	37353	41718	SAMPLE	W08P002925	Strontium 89/90
36931	5	37353	41718	SURR	W08P002925	Strontium 89/90
36955	1	37378	41818	BLANK		Gamma Energy Analysis-grd H2O
36955	2	37378	41818	LCS		Gamma Energy Analysis-grd H2O
36955	3	37378	41818	DUP	W08P002947	Gamma Energy Analysis-grd H2O
36955	4	37378	41818	SAMPLE	W08P002947	Gamma Energy Analysis-grd H2O
36916	1	37337	41850	BLANK		Tritium by Liq Sct column prep
36916	2	37337	41850	LCS		Tritium by Liq Sct column prep
36916	4	37337	41850	DUP	W08P002901	Tritium by Liq Sct column prep
36916	3	37337	41850	MS	W08P002901	Tritium by Liq Sct column prep
36916	6	37337	41850	SAMPLE	W08P002904	Tritium by Liq Sct column prep
36916	7	37337	41850	SAMPLE	W08P002905	Tritium by Liq Sct column prep
36916	8	37337	41850	SAMPLE	W08P002906	Tritium by Liq Sct column prep
36916	9	37337	41850	SAMPLE	W08P002907	Tritium by Liq Sct column prep
36916	10	37337	41850	SAMPLE	W08P002908	Tritium by Liq Sct column prep
36916	11	37337	41850	SAMPLE	W08P002909	Tritium by Liq Sct column prep
36916	12	37337	41850	SAMPLE	W08P002910	Tritium by Liq Sct column prep
36916	13	37337	41850	SAMPLE	W08P002912	Tritium by Liq Sct column prep
36916	14	37337	41850	SAMPLE	W08P002914	Tritium by Liq Sct column prep
36916	15	37337	41850	SAMPLE	W08P002915	Tritium by Liq Sct column prep
36916	16	37337	41850	SAMPLE	W08P002918	Tritium by Liq Sct column prep
36916	17	37337	41850	SAMPLE	W08P002925	Tritium by Liq Sct column prep
37073	1	37499	41949	BLANK		Gross Alpha on Alpha Plateau
37073	2	37499	41949	LCS		Gross Alpha on Alpha Plateau
37073	3	37499	41949	DUP	W08P002925	Gross Alpha on Alpha Plateau
37073	4	37499	41949	SAMPLE	W08P002925	Gross Alpha on Alpha Plateau
37073	5	37499	41949	SAMPLE	W08P002927	Gross Alpha on Alpha Plateau
37073	6	37499	41949	SAMPLE	W08P002929	Gross Alpha on Alpha Plateau
37002	1	37425	41957	BLANK		Gross Alpha/Gross Beta (AB32)
37002	2	37425	41957	LCS		Gross Alpha/Gross Beta (AB32)
37002	3	37425	41957	DUP	W08P002925	Gross Alpha/Gross Beta (AB32)
37002	4	37425	41957	SAMPLE	W08P002925	Gross Alpha/Gross Beta (AB32)
37002	5	37425	41957	SAMPLE	W08P002927	Gross Alpha/Gross Beta (AB32)

37002	6	37425	41957	SAMPLE	W08P002929	Gross Alpha/Gross Beta (AB32)
36914	1	37335	42102	BLANK		TC99 by Liquid Scin.
36914	2	37335	42102	LCS		TC99 by Liquid Scin.
36914	4	37335	42102	DUP	W08P002940	TC99 by Liquid Scin.
36914	3	37335	42102	MS	W08P002940	TC99 by Liquid Scin.
36914	5	37335	42102	SAMPLE	W08P002940	TC99 by Liquid Scin.
36914	6	37335	42102	SAMPLE	W08P002941	TC99 by Liquid Scin.
36914	7	37335	42102	SAMPLE	W08P003015	TC99 by Liquid Scin.
36914	8	37335	42102	SAMPLE	W08P003019	TC99 by Liquid Scin.
36914	9	37335	42102	SAMPLE	W08P003025	TC99 by Liquid Scin.
36915	1	37336	42104	BLANK		Tritium by Liq Sct column prep
36915	2	37336	42104	LCS		Tritium by Liq Sct column prep
36915	4	37336	42104	DUP	W08P002927	Tritium by Liq Sct column prep
36915	3	37336	42104	MS	W08P002927	Tritium by Liq Sct column prep
36915	5	37336	42104	SAMPLE	W08P002927	Tritium by Liq Sct column prep

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-344-406	LA-344-406: TOTAL ORGANIC CARBON (TOC) BASED ON SW-846	
	EPA SW-846 9060	TOTAL ORGANIC CARBON
	HEIS 9060_TOC	Total Organic Carbon
LA-505-411	LA-505-411: ELEMENTAL ANALYSIS BY INDUCTIVELY COUPLED PLASMA ATOMIC EMISSION SPE	
	HEIS 6010_METALS_ICP	Inductively Coupled Plasma-Atomic Emmision Spectrometry
LA-505-412	LA-505-412: DETERMINATION OF TRACE ELEMENTS IN WATERS AND WASTES BY INDUCTIVELY	
	EPA-600/R-94-111 200.8	DETERMINATION OF TRACE ELEMENTS IN WATERS AND WASTES BY INDUCTIVELY COUPLED PLAS
	HEIS 200.8_METALS_ICPMS	Inductively Coupled Plasma - Mass Spectrometry
	HEIS RADISOTOPES_ICPMS	Radioisotopes by ICP/MS
LA-523-444	LA-523-444: TOTAL ORGANIC HALIDES BASED ON SW-846 METHOD 9020B	
	EPA SW-846 9020B	TOTAL ORGANIC HALIDES (TOX)
	HEIS 9020_TOX	Total Organic Halides based on SW846 Method 9020B
LA-531-411	LA-531-411: ALKALINITY (TITRIMETRIC)	
	HEIS 2320B	Alkalinity
	Standard Methods 2320B	Alkalinity
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
LA-695-402	LA-695-402: DETERMINATION OF CYANIDE BY MIDIDISTILLATION AND SPECTROPHOTOMETRIC	

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.

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.

EPA-600/4-79-020 335.2	Cyanide, Total
HEIS 335.2_CYANIDE	Cyanide, Total

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.

WSCF
METHOD REFERENCES REPORT

Department: Organic

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-523-455 LA-523-455: VOLATILE SAMPLE ANALYSIS BY SW-846

EPA SW-846 8000B	DETERMINATIVE CHROMATOGRAPHIC SEPARATIONS
EPA SW-846 8260B	VOLATILE ORGANIC COMPOUNDS BY GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC/MS)
HEIS 8260_VOA_GCMS	Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

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.

WSCF
METHOD REFERENCES REPORT

Department: Radiochemistry

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-508-415	LA-508-415: OPERATION OF THE PROTEAN 2-INCH ALPHA/BETA COUNTING SYSTEM FOR GROSS	
	HEIS ALPHA_GPC	GROSS ALPHA GPC
	HEIS BETA_GPC	GROSS BETA GPC
	HEIS SRTOT_SEP_PRECIP_GS	Strontium 89/90
LA-508-421	LA-508-421: OPERATION OF THE TRI-CARB MODEL 2500TR LIQUID SCINTILLATION ANALYZER	
	HEIS ALPHA_LSC	A/B Liquid Scintililation
	HEIS BETA_LSC	A/B Liquid Scintilallation
	HEIS TC99_3MDSK_LSC	TC99 by Liquid Scintillation
	HEIS TRITIUM_EIE_LSC	Tritium Liquid Scintillation
LA-508-481	LA-508-481: GAMMA ENERGY ANALYSIS USING PROCOUNT SOFTWARE	
	HEIS GAMMA_GS	Gamma Emmision Spectrometry

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.

WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: A08-006
Sample # W08P002904
Client ID: B1VJF8 TRENT WSCF
Matrix: WATER

Group #: WSCF20081245
Department: Inorganic
Sampled: 06/22/08
Received: 06/23/08

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
ICP-200.8 MS All possible meta Prep											**07/07/08**
ICP-200.8 MS All possible meta											
Uranium	7440-61-1	LA-505-412		22.9	ug/L			1.00	0.0500		07/08/08

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)
J - Analyte < lowest calibration but > = MDL.(org)
U - Analyzed for but not detected above limiting criteria(inorg)
U - Analyzed for but not detected above limiting criteria.(org)

D - Analyte was identified at a secondary dilution factor(inorg)
N - Spike sample recovery is outside control limits.(inorg)
U - Analyzed for but not detected above limiting criteria.

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

WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: A08-006
Sample # W08P002905
Client ID: B1VJF5 TRENT **Matrix:** WATER

Group #: WSCF20081245
Department: Inorganic
Sampled: 06/22/08
Received: 06/23/08

WSCF

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
ICP-200.8 MS All possible meta Prep											**07/07/08**
ICP-200.8 MS All possible meta											
Uranium	7440-61-1	LA-505-412		4.96	ug/L			1.00	0.0500		07/08/08

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)
J - Analyte < lowest calibration but > = MDL.(org)
U - Analyzed for but not detected above limiting criteria(inorg)
U - Analyzed for but not detected above limiting criteria.(org)

D - Analyte was identified at a secondary dilution factor(inorg)
N - Spike sample recovery is outside control limits.(inorg)
U - Analyzed for but not detected above limiting criteria.

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

WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: A08-006
Sample # W08P002906
Client ID: B1VLH3 TRENT **Matrix:** WATER

Group #: WSCF20081245
Department: Inorganic
Sampled: 06/22/08
Received: 06/23/08

WSCF

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
ICP-200.8 MS All possible meta Prep											**07/07/08**
ICP-200.8 MS All possible meta											
Uranium	7440-61-1	LA-505-412		13.7	ug/L			1.00	0.0500		07/08/08

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)
J - Analyte < lowest calibration but >= MDL.(org)
U - Analyzed for but not detected above limiting criteria(inorg)
U - Analyzed for but not detected above limiting criteria.(org)

D - Analyte was identified at a secondary dilution factor(inorg)
N - Spike sample recovery is outside control limits.(inorg)
U - Analyzed for but not detected above limiting criteria.

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

WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: A08-006
Sample # W08P002907
Client ID: B1VJF1 TRENT **Matrix:** WATER

Group #: WSCF20081245
Department: Inorganic
Sampled: 06/22/08
Received: 06/23/08

WSCF

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
ICP-200.8 MS All possible meta Prep											**07/07/08**
ICP-200.8 MS All possible meta											
Uranium	7440-61-1	LA-505-412		4.82	ug/L			1.00	0.0500		07/08/08

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)
J - Analyte < lowest calibration but > = MDL.(org)
U - Analyzed for but not detected above limiting criteria(inorg)
U - Analyzed for but not detected above limiting criteria.(org)
D - Analyte was identified at a secondary dilution factor(inorg)
N - Spike sample recovery is outside control limits.(inorg)
U - Analyzed for but not detected above limiting criteria.

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

WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: A08-006
Sample # W08P002908
Client ID: B1VJH9 TRENT WSCF
Matrix: WATER

Group #: WSCF20081245
Department: Inorganic
Sampled: 06/22/08
Received: 06/23/08

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
ICP-200.8 MS All possible meta Prep											**07/07/08**
ICP-200.8 MS All possible meta											
Uranium	7440-61-1	LA-505-412		16.9	ug/L			1.00	0.0500		07/08/08

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)
J - Analyte < lowest calibration but > = MDL.(org)
U - Analyzed for but not detected above limiting criteria(inorg)
U - Analyzed for but not detected above limiting criteria.(org)
D - Analyte was identified at a secondary dilution factor(inorg)
N - Spike sample recovery is outside control limits.(inorg)
U - Analyzed for but not detected above limiting criteria.

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

WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: A08-006
Sample # W08P002909
Client ID: B1VJH1 TRENT
Matrix: WATER

Group #: WSCF20081245
Department: Inorganic
Sampled: 06/22/08
Received: 06/23/08

WSCF

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
ICP-200.8 MS All possible meta Prep											**07/07/08**
ICP-200.8 MS All possible meta											
Uranium	7440-61-1	LA-505-412		14.7	ug/L			1.00	0.0500		07/08/08

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)
J - Analyte < lowest calibration but > = MDL.(org)
U - Analyzed for but not detected above limiting criteria(inorg)
U - Analyzed for but not detected above limiting criteria.(org)

D - Analyte was identified at a secondary dilution factor(inorg)
N - Spike sample recovery is outside control limits.(inorg)
U - Analyzed for but not detected above limiting criteria.

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

WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: A08-006
Sample # W08P002910
Client ID: B1VJF9 TRENT WSCF
Matrix: WATER

Group #: WSCF20081245
Department: Inorganic
Sampled: 06/22/08
Received: 06/23/08

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
ICP-200.8 MS All possible meta Prep											**07/07/08**
ICP-200.8 MS All possible meta											
Uranium	7440-61-1	LA-505-412		23.4	ug/L			1.00	0.0500		07/08/08

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)
J - Analyte < lowest calibration but > = MDL.(org)
U - Analyzed for but not detected above limiting criteria(inorg)
U - Analyzed for but not detected above limiting criteria.(org)

D - Analyte was identified at a secondary dilution factor(inorg)
N - Spike sample recovery is outside control limits.(inorg)
U - Analyzed for but not detected above limiting criteria.

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

WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: I08-044
Sample # W08P002911
Client ID: B1VL38 TRENT WSCF
Matrix: WATER

Group #: WSCF20081245
Department: Inorganic
Sampled: 06/22/08
Received: 06/23/08

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
ICP Metals Analysis, Grd H20 P Prep											**07/20/08**
ICP Metals Analysis, Grd H20 P											
Iron	7439-89-6	LA-505-411		75.1	ug/L			1.00	25		07/22/08
Magnesium	7439-95-4	LA-505-411		2.22e+04	ug/L			1.00	50		07/22/08
Manganese	7439-96-5	LA-505-411		16.9	ug/L			1.00	4.0		07/22/08
Nickel	7440-02-0	LA-505-411		5.40	ug/L			1.00	4.0		07/22/08
Potassium	7440-09-7	LA-505-411		4.91e+03	ug/L			1.00	1.7e+02		07/22/08
Silver	7440-22-4	LA-505-411	U	< 5.00	ug/L			1.00	5.0		07/22/08
Sodium	7440-23-5	LA-505-411		1.31e+04	ug/L			1.00	51		07/22/08
Antimony	7440-36-0	LA-505-411	U	< 56.0	ug/L			1.00	56		07/22/08
Barium	7440-39-3	LA-505-411		55.5	ug/L			1.00	4.0		07/22/08
Cadmium	7440-43-9	LA-505-411	U	< 4.00	ug/L			1.00	4.0		07/22/08
Chromium	7440-47-3	LA-505-411	U	< 13.0	ug/L			1.00	13		07/22/08
Cobalt	7440-48-4	LA-505-411	U	< 4.00	ug/L			1.00	4.0		07/22/08
Copper	7440-50-8	LA-505-411	U	< 6.00	ug/L			1.00	6.0		07/22/08
Vanadium	7440-62-2	LA-505-411	U	< 12.0	ug/L			1.00	12		07/22/08
Zinc	7440-66-6	LA-505-411	U	< 9.00	ug/L			1.00	9.0		07/22/08
Calcium	7440-70-2	LA-505-411		6.86e+04	ug/L			1.00	73		07/22/08
Strontium	7440-24-6	LA-505-411		317	ug/L			1.00	4.0		07/22/08
Beryllium	7440-41-7	LA-505-411	U	< 4.00	ug/L			1.00	4.0		07/22/08
ICP-200.8 MS All possible meta Prep											**07/07/08**
ICP-200.8 MS All possible meta											
Arsenic	7440-38-2	LA-505-412		1.28	ug/L			1.00	0.400		07/08/08

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)
J - Analyte < lowest calibration but > = MDL.(org)
U - Analyzed for but not detected above limiting criteria(inorg)
U - Analyzed for but not detected above limiting criteria.(org)
D - Analyte was identified at a secondary dilution factor(inorg)
N - Spike sample recovery is outside control limits.(inorg)
U - Analyzed for but not detected above limiting criteria.

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

WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: I08-044
Sample # W08P002912
Client ID: B1VL39 TRENT WSCF
Matrix: WATER

Group #: WSCF20081245
Department: Inorganic
Sampled: 06/22/08
Received: 06/23/08

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	D	0.213	mg/L			2.00	0.042		06/24/08
Chloride	16887-00-6	LA-533-410	D	60.8	mg/L			10.00	1.1		06/24/08
Nitrogen in Nitrite	NO2-N	LA-533-410	DU	< 0.0198	mg/L			2.00	0.020		06/24/08
Nitrogen in Nitrate	NO3-N	LA-533-410	D	16.2	mg/L			10.00	0.36		06/24/08
Sulfate	14808-79-8	LA-533-410	D	37.3	mg/L			2.00	0.15		06/24/08
ICP Metals Analysis, Grd H20 P Prep											**07/20/08**
ICP Metals Analysis, Grd H20 P											
Iron	7439-89-6	LA-505-411		856	ug/L			1.00	25		07/22/08
Magnesium	7439-95-4	LA-505-411		2.23e+04	ug/L			1.00	50		07/22/08
Manganese	7439-96-5	LA-505-411		43.0	ug/L			1.00	4.0		07/22/08
Nickel	7440-02-0	LA-505-411		9.10	ug/L			1.00	4.0		07/22/08
Potassium	7440-09-7	LA-505-411		4.90e+03	ug/L			1.00	1.7e+02		07/22/08
Silver	7440-22-4	LA-505-411	U	< 5.00	ug/L			1.00	5.0		07/22/08
Sodium	7440-23-5	LA-505-411		1.30e+04	ug/L			1.00	51		07/22/08
Antimony	7440-36-0	LA-505-411	U	< 56.0	ug/L			1.00	56		07/22/08
Barium	7440-39-3	LA-505-411		58.8	ug/L			1.00	4.0		07/22/08
Cadmium	7440-43-9	LA-505-411	U	< 4.00	ug/L			1.00	4.0		07/22/08
Chromium	7440-47-3	LA-505-411		27.6	ug/L			1.00	13		07/22/08
Cobalt	7440-48-4	LA-505-411	U	< 4.00	ug/L			1.00	4.0		07/22/08
Copper	7440-50-8	LA-505-411	U	< 6.00	ug/L			1.00	6.0		07/22/08
Vanadium	7440-62-2	LA-505-411	U	< 12.0	ug/L			1.00	12		07/22/08
Zinc	7440-66-6	LA-505-411	U	< 9.00	ug/L			1.00	9.0		07/22/08
Calcium	7440-70-2	LA-505-411		6.89e+04	ug/L			1.00	73		07/22/08
Strontium	7440-24-6	LA-505-411		318	ug/L			1.00	4.0		07/22/08

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)
J - Analyte < lowest calibration but > = MDL.(org)
U - Analyzed for but not detected above limiting criteria(inorg)
U - Analyzed for but not detected above limiting criteria.(org)
D - Analyte was identified at a secondary dilution factor(inorg)
N - Spike sample recovery is outside control limits.(inorg)
U - Analyzed for but not detected above limiting criteria.

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

WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: I08-044
Sample # W08P002912
Client ID: B1VL39 TRENT WSCF
Matrix: WATER

Group #: WSCF20081245
Department: Inorganic
Sampled: 06/22/08
Received: 06/23/08

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
Beryllium	7440-41-7	LA-505-411	U	< 4.00	ug/L			1.00	4.0		07/22/08
ICP-200.8 MS All possible meta Prep											**07/07/08**
ICP-200.8 MS All possible meta											
Arsenic	7440-38-2	LA-505-412		1.37	ug/L			1.00	0.400		07/08/08

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)
J - Analyte < lowest calibration but > = MDL.(org)
U - Analyzed for but not detected above limiting criteria(inorg)
U - Analyzed for but not detected above limiting criteria.(org)
D - Analyte was identified at a secondary dilution factor(inorg)
N - Spike sample recovery is outside control limits.(inorg)
U - Analyzed for but not detected above limiting criteria.

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

WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: I-08-044
Sample # W08P002913
Client ID: B1VL34 TRENT
Matrix: WATER

Group #: WSCF20081245
Department: Inorganic
Sampled: 06/22/08
Received: 06/23/08

Test Performed	CAS #	WSCF Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
ICP Metals Analysis, Grd H20 P Prep											**07/20/08**
ICP Metals Analysis, Grd H20 P											
Iron	7439-89-6	LA-505-411		83.5	ug/L			1.00	25		07/22/08
Magnesium	7439-95-4	LA-505-411		2.19e+04	ug/L			1.00	50		07/22/08
Manganese	7439-96-5	LA-505-411		18.1	ug/L			1.00	4.0		07/22/08
Nickel	7440-02-0	LA-505-411		6.00	ug/L			1.00	4.0		07/22/08
Potassium	7440-09-7	LA-505-411		4.84e+03	ug/L			1.00	1.7e+02		07/22/08
Silver	7440-22-4	LA-505-411	U	< 5.00	ug/L			1.00	5.0		07/22/08
Sodium	7440-23-5	LA-505-411		1.28e+04	ug/L			1.00	51		07/22/08
Antimony	7440-36-0	LA-505-411	U	< 56.0	ug/L			1.00	56		07/22/08
Barium	7440-39-3	LA-505-411		54.9	ug/L			1.00	4.0		07/22/08
Cadmium	7440-43-9	LA-505-411	U	< 4.00	ug/L			1.00	4.0		07/22/08
Chromium	7440-47-3	LA-505-411	U	< 13.0	ug/L			1.00	13		07/22/08
Cobalt	7440-48-4	LA-505-411	U	< 4.00	ug/L			1.00	4.0		07/22/08
Copper	7440-50-8	LA-505-411	U	< 6.00	ug/L			1.00	6.0		07/22/08
Vanadium	7440-62-2	LA-505-411		12.0	ug/L			1.00	12		07/22/08
Zinc	7440-66-6	LA-505-411	U	< 9.00	ug/L			1.00	9.0		07/22/08
Calcium	7440-70-2	LA-505-411		6.73e+04	ug/L			1.00	73		07/22/08
Strontium	7440-24-6	LA-505-411		311	ug/L			1.00	4.0		07/22/08
Beryllium	7440-41-7	LA-505-411	U	< 4.00	ug/L			1.00	4.0		07/22/08
ICP-200.8 MS All possible meta Prep											**07/07/08**
ICP-200.8 MS All possible meta											
Arsenic	7440-38-2	LA-505-412		1.27	ug/L			1.00	0.400		07/08/08

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)
J - Analyte < lowest calibration but > = MDL.(org)
U - Analyzed for but not detected above limiting criteria(inorg)
U - Analyzed for but not detected above limiting criteria.(org)
D - Analyte was identified at a secondary dilution factor(inorg)
N - Spike sample recovery is outside control limits.(inorg)
U - Analyzed for but not detected above limiting criteria.

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

WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: I08-044
Sample # W08P002914
Client ID: B1VL35 TRENT WSCF
Matrix: WATER

Group #: WSCF20081245
Department: Inorganic
Sampled: 06/22/08
Received: 06/23/08

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	BD	0.153	mg/L			2.00	0.042		06/24/08
Chloride	16887-00-6	LA-533-410	D	62.6	mg/L			10.00	1.1		06/24/08
Nitrogen in Nitrite	NO2-N	LA-533-410	DNU	< 0.0198	mg/L			2.00	0.020		06/24/08
Nitrogen in Nitrate	NO3-N	LA-533-410	D	16.9	mg/L			10.00	0.36		06/24/08
Sulfate	14808-79-8	LA-533-410	D	39.3	mg/L			2.00	0.15		06/24/08
ICP Metals Analysis, Grd H20 P Prep											**07/20/08**
ICP Metals Analysis, Grd H20 P											
Iron	7439-89-6	LA-505-411		987	ug/L			1.00	25		07/22/08
Magnesium	7439-95-4	LA-505-411		2.30e+04	ug/L			1.00	50		07/22/08
Manganese	7439-96-5	LA-505-411		40.8	ug/L			1.00	4.0		07/22/08
Nickel	7440-02-0	LA-505-411		11.0	ug/L			1.00	4.0		07/22/08
Potassium	7440-09-7	LA-505-411		5.04e+03	ug/L			1.00	1.7e+02		07/22/08
Silver	7440-22-4	LA-505-411	U	< 5.00	ug/L			1.00	5.0		07/22/08
Sodium	7440-23-5	LA-505-411		1.33e+04	ug/L			1.00	51		07/22/08
Antimony	7440-36-0	LA-505-411	U	< 56.0	ug/L			1.00	56		07/22/08
Barium	7440-39-3	LA-505-411		61.0	ug/L			1.00	4.0		07/22/08
Cadmium	7440-43-9	LA-505-411	U	< 4.00	ug/L			1.00	4.0		07/22/08
Chromium	7440-47-3	LA-505-411		30.1	ug/L			1.00	13		07/22/08
Cobalt	7440-48-4	LA-505-411	U	< 4.00	ug/L			1.00	4.0		07/22/08
Copper	7440-50-8	LA-505-411	U	< 6.00	ug/L			1.00	6.0		07/22/08
Vanadium	7440-62-2	LA-505-411	U	< 12.0	ug/L			1.00	12		07/22/08
Zinc	7440-66-6	LA-505-411	U	< 9.00	ug/L			1.00	9.0		07/22/08
Calcium	7440-70-2	LA-505-411		7.08e+04	ug/L			1.00	73		07/22/08
Strontium	7440-24-6	LA-505-411		328	ug/L			1.00	4.0		07/22/08

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)
J - Analyte < lowest calibration but >= MDL.(org)
U - Analyzed for but not detected above limiting criteria(inorg)
U - Analyzed for but not detected above limiting criteria.(org)
D - Analyte was identified at a secondary dilution factor(inorg)
N - Spike sample recovery is outside control limits.(inorg)
U - Analyzed for but not detected above limiting criteria.

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

WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: I08-044
Sample # W08P002914
Client ID: B1VL35 TRENT **Matrix:** WATER

Group #: WSCF20081245
Department: Inorganic
Sampled: 06/22/08
Received: 06/23/08

WSCF

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
Beryllium	7440-41-7	LA-505-411	U	< 4.00	ug/L			1.00	4.0		07/22/08
ICP-200.8 MS All possible meta Prep											**07/07/08**
ICP-200.8 MS All possible meta											
Arsenic	7440-38-2	LA-505-412		1.35	ug/L			1.00	0.400		07/08/08

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)
J - Analyte < lowest calibration but > = MDL.(org)
U - Analyzed for but not detected above limiting criteria(inorg)
U - Analyzed for but not detected above limiting criteria.(org)

D - Analyte was identified at a secondary dilution factor(inorg)
N - Spike sample recovery is outside control limits.(inorg)
U - Analyzed for but not detected above limiting criteria.

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WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: I08-043
Sample # W08P002915
Client ID: B1VKY9 TRENT WSCF
Matrix: WATER

Group #: WSCF20081245
Department: Inorganic
Sampled: 06/22/08
Received: 06/23/08

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
ICP-200.8 MS All possible meta Prep											07/07/08
ICP-200.8 MS All possible meta											
Uranium	7440-61-1	LA-505-412		13.4	ug/L			1.00	0.0500		07/08/08

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)
J - Analyte < lowest calibration but > = MDL.(org)
U - Analyzed for but not detected above limiting criteria(inorg)
U - Analyzed for but not detected above limiting criteria.(org)

D - Analyte was identified at a secondary dilution factor(inorg)
N - Spike sample recovery is outside control limits.(inorg)
U - Analyzed for but not detected above limiting criteria.

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

WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: I08-044
Sample # W08P002916
Client ID: B1VL43 TRENT WSCF **Matrix:** WATER

Group #: WSCF20081245
Department: Inorganic
Sampled: 06/22/08
Received: 06/23/08

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	D	0.228	mg/L			2.00	0.042		06/24/08
Chloride	16887-00-6	LA-533-410	D	76.5	mg/L			10.00	1.1		06/24/08
Nitrogen in Nitrite	NO2-N	LA-533-410	DU	< 0.0198	mg/L			2.00	0.020		06/24/08
Nitrogen in Nitrate	NO3-N	LA-533-410	D	24.6	mg/L			10.00	0.36		06/24/08
Sulfate	14808-79-8	LA-533-410	D	62.4	mg/L			2.00	0.15		06/24/08
ICP-200.8 MS All possible meta Prep											**07/07/08**
ICP-200.8 MS All possible meta											
Uranium	7440-61-1	LA-505-412		1.44	ug/L			1.00	0.0500		07/08/08

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)
J - Analyte < lowest calibration but > = MDL.(org)
U - Analyzed for but not detected above limiting criteria(inorg)
U - Analyzed for but not detected above limiting criteria.(org)

D - Analyte was identified at a secondary dilution factor(inorg)
N - Spike sample recovery is outside control limits.(inorg)
U - Analyzed for but not detected above limiting criteria.

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

WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: S08-006
Sample # W08P002917
Client ID: B1VLY6 TRENT WSCF
Matrix: WATER

Group #: WSCF20081245
Department: Inorganic
Sampled: 06/22/08
Received: 06/23/08

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
ICP Metals Analysis, Grd H20 P Prep											**07/20/08**
ICP Metals Analysis, Grd H20 P											
Iron	7439-89-6	LA-505-411		510	ug/L			1.00	25		07/22/08
Magnesium	7439-95-4	LA-505-411		4.89e+03	ug/L			1.00	50		07/22/08
Manganese	7439-96-5	LA-505-411		40.2	ug/L			1.00	4.0		07/22/08
Nickel	7440-02-0	LA-505-411	U	< 4.00	ug/L			1.00	4.0		07/22/08
Potassium	7440-09-7	LA-505-411		6.51e+03	ug/L			1.00	1.7e+02		07/22/08
Silver	7440-22-4	LA-505-411	U	< 5.00	ug/L			1.00	5.0		07/22/08
Sodium	7440-23-5	LA-505-411		5.95e+04	ug/L			1.00	51		07/22/08
Antimony	7440-36-0	LA-505-411	U	< 56.0	ug/L			1.00	56		07/22/08
Barium	7440-39-3	LA-505-411		34.8	ug/L			1.00	4.0		07/22/08
Cadmium	7440-43-9	LA-505-411	U	< 4.00	ug/L			1.00	4.0		07/22/08
Chromium	7440-47-3	LA-505-411	U	< 13.0	ug/L			1.00	13		07/22/08
Cobalt	7440-48-4	LA-505-411	U	< 4.00	ug/L			1.00	4.0		07/22/08
Copper	7440-50-8	LA-505-411	U	< 6.00	ug/L			1.00	6.0		07/22/08
Vanadium	7440-62-2	LA-505-411	U	< 12.0	ug/L			1.00	12		07/22/08
Zinc	7440-66-6	LA-505-411	U	< 9.00	ug/L			1.00	9.0		07/22/08
Calcium	7440-70-2	LA-505-411		1.21e+04	ug/L			1.00	73		07/22/08
Strontium	7440-24-6	LA-505-411		74.2	ug/L			1.00	4.0		07/22/08
Beryllium	7440-41-7	LA-505-411	U	< 4.00	ug/L			1.00	4.0		07/22/08

MDL=Minimum Detection Limit
RQ=Result Qualifier
TP Err=Total Propagated Error
DF=Dilution Factor
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B - The analyte < the RDL but > = the IDL/MDL (inorg)
J - Analyte < lowest calibration but > = MDL.(org)
U - Analyzed for but not detected above limiting criteria(inorg)
U - Analyzed for but not detected above limiting criteria.(org)

D - Analyte was identified at a secondary dilution factor(inorg)
N - Spike sample recovery is outside control limits.(inorg)
U - Analyzed for but not detected above limiting criteria.

WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: S08-006
Sample # W08P002918
Client ID: B1VLY7 TRENT **Matrix:** WATER

Group #: WSCF20081245
Department: Inorganic
Sampled: 06/22/08
Received: 06/23/08

WSCF

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	D	1.47	mg/L			2.00	0.042		06/24/08
Chloride	16887-00-6	LA-533-410	D	10.9	mg/L			2.00	0.22		06/24/08
Nitrogen in Nitrite	NO2-N	LA-533-410	DNU	< 0.0198	mg/L			2.00	0.020		06/24/08
Nitrogen in Nitrate	NO3-N	LA-533-410	DU	< 0.0720	mg/L			2.00	0.072		06/24/08
Sulfate	14808-79-8	LA-533-410	DU	< 0.154	mg/L			2.00	0.15		06/24/08
ICP Metals Analysis, Grd H20 P Prep											**07/20/08**
ICP Metals Analysis, Grd H20 P											
Iron	7439-89-6	LA-505-411		544	ug/L			1.00	25		07/22/08
Magnesium	7439-95-4	LA-505-411		4.97e+03	ug/L			1.00	50		07/22/08
Manganese	7439-96-5	LA-505-411		43.3	ug/L			1.00	4.0		07/22/08
Nickel	7440-02-0	LA-505-411	U	< 4.00	ug/L			1.00	4.0		07/22/08
Potassium	7440-09-7	LA-505-411		6.75e+03	ug/L			1.00	1.7e+02		07/22/08
Silver	7440-22-4	LA-505-411	U	< 5.00	ug/L			1.00	5.0		07/22/08
Sodium	7440-23-5	LA-505-411		6.10e+04	ug/L			1.00	51		07/22/08
Antimony	7440-36-0	LA-505-411	U	< 56.0	ug/L			1.00	56		07/22/08
Barium	7440-39-3	LA-505-411		36.1	ug/L			1.00	4.0		07/22/08
Cadmium	7440-43-9	LA-505-411	U	< 4.00	ug/L			1.00	4.0		07/22/08
Chromium	7440-47-3	LA-505-411	U	< 13.0	ug/L			1.00	13		07/22/08
Cobalt	7440-48-4	LA-505-411	U	< 4.00	ug/L			1.00	4.0		07/22/08
Copper	7440-50-8	LA-505-411	U	< 6.00	ug/L			1.00	6.0		07/22/08
Vanadium	7440-62-2	LA-505-411	U	< 12.0	ug/L			1.00	12		07/22/08
Zinc	7440-66-6	LA-505-411	U	< 9.00	ug/L			1.00	9.0		07/22/08
Calcium	7440-70-2	LA-505-411		1.25e+04	ug/L			1.00	73		07/22/08
Strontium	7440-24-6	LA-505-411		75.8	ug/L			1.00	4.0		07/22/08

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)
J - Analyte < lowest calibration but > = MDL.(org)
N - Spike sample recovery is outside control limits.(inorg)
U - Analyzed for but not detected above limiting criteria(inorg)
U - Analyzed for but not detected above limiting criteria.
U - Analyzed for but not detected above limiting criteria.(org)

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

WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: S08-006
Sample # W08P002918
Client ID: B1VLY7 TRENT **Matrix:** WATER

Group #: WSCF20081245
Department: Inorganic
Sampled: 06/22/08
Received: 06/23/08

WSCF

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
Beryllium	7440-41-7	LA-505-411	U	< 4.00	ug/L			1.00	4.0		07/22/08
Total Alkalinity as mg/L CaCO3											
Total Alkalinity as mg/L CaCO3	ALKALINITY	LA-531-411		180	mg/L			1.00	1.0		07/02/08

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

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U - Analyzed for but not detected above limiting criteria(inorg)
U - Analyzed for but not detected above limiting criteria.(org)
D - Analyte was identified at a secondary dilution factor(inorg)
N - Spike sample recovery is outside control limits.(inorg)
U - Analyzed for but not detected above limiting criteria.

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WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: S08-006
Sample # W08P002924
Client ID: B1VLH6 TRENT **Matrix:** WATER

Group #: WSCF20081245
Department: Inorganic
Sampled: 06/22/08
Received: 06/23/08

WSCF

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
ICP-200.8 MS All possible meta Prep											**07/07/08**
ICP-200.8 MS All possible meta											
Arsenic	7440-38-2	LA-505-412		4.37	ug/L			1.00	0.400		07/08/08

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)
J - Analyte < lowest calibration but > = MDL.(org)
U - Analyzed for but not detected above limiting criteria(inorg)
U - Analyzed for but not detected above limiting criteria.(org)

D - Analyte was identified at a secondary dilution factor(inorg)
N - Spike sample recovery is outside control limits.(inorg)
U - Analyzed for but not detected above limiting criteria.

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WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: S08-006
Sample # W08P002925
Client ID: B1VLH7 TRENT **Matrix:** WATER

Group #: WSCF20081245
Department: Inorganic
Sampled: 06/22/08
Received: 06/23/08

WSCF

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
ICP-200.8 MS All possible meta Prep											**07/07/08**
ICP-200.8 MS All possible meta											
Arsenic	7440-38-2	LA-505-412		3.98	ug/L			1.00	0.400		07/08/08

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)
J - Analyte < lowest calibration but > = MDL.(org)
U - Analyzed for but not detected above limiting criteria(inorg)
U - Analyzed for but not detected above limiting criteria.(org)

D - Analyte was identified at a secondary dilution factor(inorg)
N - Spike sample recovery is outside control limits.(inorg)
U - Analyzed for but not detected above limiting criteria.

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WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: S08-006
Sample # W08P002926
Client ID: B1VLH2 TRENT **Matrix:** WATER

Group #: WSCF20081245
Department: Inorganic
Sampled: 06/22/08
Received: 06/23/08

WSCF

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
ICP-200.8 MS All possible meta Prep											**07/07/08**
ICP-200.8 MS All possible meta											
Arsenic	7440-38-2	LA-505-412		6.36	ug/L			1.00	0.400		07/08/08

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)
J - Analyte < lowest calibration but >= MDL.(org)
U - Analyzed for but not detected above limiting criteria(inorg)
U - Analyzed for but not detected above limiting criteria.(org)

D - Analyte was identified at a secondary dilution factor(inorg)
N - Spike sample recovery is outside control limits.(inorg)
U - Analyzed for but not detected above limiting criteria.

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

WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: S08-006
Sample # W08P002927
Client ID: B1VLH3 TRENT WSCF
Matrix: WATER

Group #: WSCF20081245
Department: Inorganic
Sampled: 06/22/08
Received: 06/23/08

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	D	0.194	mg/L			2.00	0.042		06/24/08
Chloride	16887-00-6	LA-533-410	D	15.0	mg/L			2.00	0.22		06/24/08
Nitrogen in Nitrite	NO2-N	LA-533-410	DU	< 0.0198	mg/L			2.00	0.020		06/24/08
Nitrogen in Nitrate	NO3-N	LA-533-410	D	6.80	mg/L			2.00	0.072		06/24/08
Sulfate	14808-79-8	LA-533-410	D	79.5	mg/L			2.00	0.15		06/24/08
ICP-200.8 MS All possible meta Prep											**07/07/08**
ICP-200.8 MS All possible meta											
Arsenic	7440-38-2	LA-505-412		6.72	ug/L			1.00	0.400		07/08/08

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)
J - Analyte < lowest calibration but > = MDL.(org)
U - Analyzed for but not detected above limiting criteria(inorg)
U - Analyzed for but not detected above limiting criteria.(org)

D - Analyte was identified at a secondary dilution factor(inorg)
N - Spike sample recovery is outside control limits.(inorg)
U - Analyzed for but not detected above limiting criteria.

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

WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: S08-006
Sample # W08P002928
Client ID: B1VLY3 TRENT WSCF
Matrix: WATER

Group #: WSCF20081245
Department: Inorganic
Sampled: 06/22/08
Received: 06/23/08

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
ICP Metals Analysis, Grd H20 P Prep											**07/20/08**
ICP Metals Analysis, Grd H20 P											
Iron	7439-89-6	LA-505-411		466	ug/L			1.00	25		07/22/08
Magnesium	7439-95-4	LA-505-411		6.20e+03	ug/L			1.00	50		07/22/08
Manganese	7439-96-5	LA-505-411		69.3	ug/L			1.00	4.0		07/22/08
Nickel	7440-02-0	LA-505-411	U	< 4.00	ug/L			1.00	4.0		07/22/08
Potassium	7440-09-7	LA-505-411		6.36e+03	ug/L			1.00	1.7e+02		07/22/08
Silver	7440-22-4	LA-505-411	U	< 5.00	ug/L			1.00	5.0		07/22/08
Sodium	7440-23-5	LA-505-411		4.88e+04	ug/L			1.00	51		07/22/08
Antimony	7440-36-0	LA-505-411	U	< 56.0	ug/L			1.00	56		07/22/08
Barium	7440-39-3	LA-505-411		56.9	ug/L			1.00	4.0		07/22/08
Cadmium	7440-43-9	LA-505-411	U	< 4.00	ug/L			1.00	4.0		07/22/08
Chromium	7440-47-3	LA-505-411	U	< 13.0	ug/L			1.00	13		07/22/08
Cobalt	7440-48-4	LA-505-411	U	< 4.00	ug/L			1.00	4.0		07/22/08
Copper	7440-50-8	LA-505-411	U	< 6.00	ug/L			1.00	6.0		07/22/08
Vanadium	7440-62-2	LA-505-411	U	< 12.0	ug/L			1.00	12		07/22/08
Zinc	7440-66-6	LA-505-411	U	< 9.00	ug/L			1.00	9.0		07/22/08
Calcium	7440-70-2	LA-505-411		1.86e+04	ug/L			1.00	73		07/22/08
Strontium	7440-24-6	LA-505-411		102	ug/L			1.00	4.0		07/22/08
Beryllium	7440-41-7	LA-505-411	U	< 4.00	ug/L			1.00	4.0		07/22/08

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)
J - Analyte < lowest calibration but > = MDL.(org)
U - Analyzed for but not detected above limiting criteria(inorg)
U - Analyzed for but not detected above limiting criteria.(org)

D - Analyte was identified at a secondary dilution factor(inorg)
N - Spike sample recovery is outside control limits.(inorg)
U - Analyzed for but not detected above limiting criteria.

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

WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: S08-006
Sample # W08P002929
Client ID: B1VLY4 TRENT WSCF
Matrix: WATER

Group #: WSCF20081245
Department: Inorganic
Sampled: 06/22/08
Received: 06/23/08

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	D	1.06	mg/L			2.00	0.042		06/24/08
Chloride	16887-00-6	LA-533-410	D	10.3	mg/L			2.00	0.22		06/24/08
Nitrogen in Nitrite	NO2-N	LA-533-410	DU	< 0.0198	mg/L			2.00	0.020		06/24/08
Nitrogen in Nitrate	NO3-N	LA-533-410	DU	< 0.0720	mg/L			2.00	0.072		06/24/08
Sulfate	14808-79-8	LA-533-410	DU	< 0.154	mg/L			2.00	0.15		06/24/08
ICP Metals Analysis, Grd H20 P Prep											**07/20/08**
ICP Metals Analysis, Grd H20 P											
Iron	7439-89-6	LA-505-411		505	ug/L			1.00	25		07/22/08
Magnesium	7439-95-4	LA-505-411		6.44e+03	ug/L			1.00	50		07/22/08
Manganese	7439-96-5	LA-505-411		71.1	ug/L			1.00	4.0		07/22/08
Nickel	7440-02-0	LA-505-411	U	< 4.00	ug/L			1.00	4.0		07/22/08
Potassium	7440-09-7	LA-505-411		6.60e+03	ug/L			1.00	1.7e+02		07/22/08
Silver	7440-22-4	LA-505-411	U	< 5.00	ug/L			1.00	5.0		07/22/08
Sodium	7440-23-5	LA-505-411		5.07e+04	ug/L			1.00	51		07/22/08
Antimony	7440-36-0	LA-505-411	U	< 56.0	ug/L			1.00	56		07/22/08
Barium	7440-39-3	LA-505-411		59.0	ug/L			1.00	4.0		07/22/08
Cadmium	7440-43-9	LA-505-411	U	< 4.00	ug/L			1.00	4.0		07/22/08
Chromium	7440-47-3	LA-505-411	U	< 13.0	ug/L			1.00	13		07/22/08
Cobalt	7440-48-4	LA-505-411	U	< 4.00	ug/L			1.00	4.0		07/22/08
Copper	7440-50-8	LA-505-411	U	< 6.00	ug/L			1.00	6.0		07/22/08
Vanadium	7440-62-2	LA-505-411	U	< 12.0	ug/L			1.00	12		07/22/08
Zinc	7440-66-6	LA-505-411	U	< 9.00	ug/L			1.00	9.0		07/22/08
Calcium	7440-70-2	LA-505-411		1.90e+04	ug/L			1.00	73		07/22/08
Strontium	7440-24-6	LA-505-411		106	ug/L			1.00	4.0		07/22/08

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)
J - Analyte < lowest calibration but > = MDL.(org)
U - Analyzed for but not detected above limiting criteria(inorg)
U - Analyzed for but not detected above limiting criteria.(org)
D - Analyte was identified at a secondary dilution factor(inorg)
N - Spike sample recovery is outside control limits.(inorg)
U - Analyzed for but not detected above limiting criteria.

WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: S08-006
Sample # W08P002929
Client ID: B1VLY4 TRENT **Matrix:** WATER

Group #: WSCF20081245
Department: Inorganic
Sampled: 06/22/08
Received: 06/23/08

WSCF

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
Beryllium	7440-41-7	LA-505-411	U	< 4.00	ug/L			1.00	4.0		07/22/08
Total Alkalinity as mg/L CaCO3											
Total Alkalinity as mg/L CaCO3	ALKALINITY	LA-531-411		170	mg/L			1.00	1.0		07/02/08

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)
J - Analyte < lowest calibration but > = MDL.(org)
U - Analyzed for but not detected above limiting criteria(inorg)
U - Analyzed for but not detected above limiting criteria.(org)
D - Analyte was identified at a secondary dilution factor(inorg)
N - Spike sample recovery is outside control limits.(inorg)
U - Analyzed for but not detected above limiting criteria.

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WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: S08-006
Sample # W08P002930
Client ID: B1VLF4 TRENT WSCF
Matrix: WATER

Group #: WSCF20081245
Department: Inorganic
Sampled: 06/22/08
Received: 06/23/08

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
ICP-200.8 MS All possible meta Prep											**07/07/08**
ICP-200.8 MS All possible meta											
Arsenic	7440-38-2	LA-505-412		3.67	ug/L			1.00	0.400		07/08/08

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)
J - Analyte < lowest calibration but > = MDL.(org)
U - Analyzed for but not detected above limiting criteria(inorg)
U - Analyzed for but not detected above limiting criteria.(org)
D - Analyte was identified at a secondary dilution factor(inorg)
N - Spike sample recovery is outside control limits.(inorg)
U - Analyzed for but not detected above limiting criteria.

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WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: S08-006
Sample # W08P002931
Client ID: B1VLF5 TRENT
Matrix: WATER

Group #: WSCF20081245
Department: Inorganic
Sampled: 06/22/08
Received: 06/23/08

Test Performed	CAS #	WSCF Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
ICP-200.8 MS All possible meta Prep											**07/07/08**
ICP-200.8 MS All possible meta											
Arsenic	7440-38-2	LA-505-412		3.97	ug/L			1.00	0.400		07/08/08
Total Alkalinity as mg/L CaCO3											
Total Alkalinity as mg/L CaCO3	ALKALINITY	LA-531-411		120	mg/L			1.00	1.0		07/02/08

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)
J - Analyte < lowest calibration but > = MDL.(org)
U - Analyzed for but not detected above limiting criteria(inorg)
U - Analyzed for but not detected above limiting criteria.(org)

D - Analyte was identified at a secondary dilution factor(inorg)
N - Spike sample recovery is outside control limits.(inorg)
U - Analyzed for but not detected above limiting criteria.

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WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: S08-006
Sample # W08P002932
Client ID: B1VLH1 TRENT **Matrix:** WATER

Group #: WSCF20081245
Department: Inorganic
Sampled: 06/22/08
Received: 06/23/08

WSCF

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
Total Alkalinity as mg/L CaCO3											
Total Alkalinity as mg/L CaCO3	ALKALINITY	LA-531-411		120	mg/L			1.00	1.0		07/02/08

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)
J - Analyte < lowest calibration but > = MDL.(org)
U - Analyzed for but not detected above limiting criteria(inorg)
U - Analyzed for but not detected above limiting criteria.(org)

D - Analyte was identified at a secondary dilution factor(inorg)
N - Spike sample recovery is outside control limits.(inorg)
U - Analyzed for but not detected above limiting criteria.

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WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: S08-006
Sample # W08P002933
Client ID: B1VLK9 TRENT **Matrix:** WATER

Group #: WSCF20081245
Department: Inorganic
Sampled: 06/22/08
Received: 06/23/08

Test Performed	CAS #	WSCF Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
Total Alkalinity as mg/L CaCO3											
Total Alkalinity as mg/L CaCO3	ALKALINITY	LA-531-411		120	mg/L			1.00	1.0		07/02/08

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

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

D - Analyte was identified at a secondary dilution factor(inorg)
N - Spike sample recovery is outside control limits.(inorg)
U - Analyzed for but not detected above limiting criteria.

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WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: S08-006
Sample # W08P002934
Client ID: B1VLK0 TRENT **Matrix:** WATER

Group #: WSCF20081245
Department: Inorganic
Sampled: 06/22/08
Received: 06/23/08

WSCF

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
Total Alkalinity as mg/L CaCO3											
Total Alkalinity as mg/L CaCO3	ALKALINITY	LA-531-411		120	mg/L			1.00	1.0		07/02/08

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)
J - Analyte < lowest calibration but > = MDL.(org)
U - Analyzed for but not detected above limiting criteria(inorg)
U - Analyzed for but not detected above limiting criteria.(org)
D - Analyte was identified at a secondary dilution factor(inorg)
N - Spike sample recovery is outside control limits.(inorg)
U - Analyzed for but not detected above limiting criteria.

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WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: S08-006
Sample # W08P002935
Client ID: B1VLK2 TRENT **Matrix:** WATER

Group #: WSCF20081245
Department: Inorganic
Sampled: 06/22/08
Received: 06/23/08

WSCF

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
Total Alkalinity as mg/L CaCO3											
Total Alkalinity as mg/L CaCO3	ALKALINITY	LA-531-411		120	mg/L			1.00	1.0		07/02/08

MDL=Minimum Detection Limit
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U - Analyzed for but not detected above limiting criteria(inorg)
U - Analyzed for but not detected above limiting criteria.(org)

D - Analyte was identified at a secondary dilution factor(inorg)
N - Spike sample recovery is outside control limits.(inorg)
U - Analyzed for but not detected above limiting criteria.

WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: S08-006
Sample # W08P002936
Client ID: B1VLY0 TRENT WSCF
Matrix: WATER

Group #: WSCF20081245
Department: Inorganic
Sampled: 06/22/08
Received: 06/23/08

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
ICP Metals Analysis, Grd H20 P Prep											**07/20/08**
ICP Metals Analysis, Grd H20 P											
Iron	7439-89-6	LA-505-411		44.4	ug/L			1.00	25		07/22/08
Magnesium	7439-95-4	LA-505-411		5.63e+03	ug/L			1.00	50		07/22/08
Manganese	7439-96-5	LA-505-411		51.8	ug/L			1.00	4.0		07/22/08
Nickel	7440-02-0	LA-505-411	U	< 4.00	ug/L			1.00	4.0		07/22/08
Potassium	7440-09-7	LA-505-411		5.40e+03	ug/L			1.00	1.7e+02		07/22/08
Silver	7440-22-4	LA-505-411	U	< 5.00	ug/L			1.00	5.0		07/22/08
Sodium	7440-23-5	LA-505-411		4.18e+04	ug/L			1.00	51		07/22/08
Antimony	7440-36-0	LA-505-411	U	< 56.0	ug/L			1.00	56		07/22/08
Barium	7440-39-3	LA-505-411		45.8	ug/L			1.00	4.0		07/22/08
Cadmium	7440-43-9	LA-505-411	U	< 4.00	ug/L			1.00	4.0		07/22/08
Chromium	7440-47-3	LA-505-411	U	< 13.0	ug/L			1.00	13		07/22/08
Cobalt	7440-48-4	LA-505-411	U	< 4.00	ug/L			1.00	4.0		07/22/08
Copper	7440-50-8	LA-505-411	U	< 6.00	ug/L			1.00	6.0		07/22/08
Vanadium	7440-62-2	LA-505-411	U	< 12.0	ug/L			1.00	12		07/22/08
Zinc	7440-66-6	LA-505-411	U	< 9.00	ug/L			1.00	9.0		07/22/08
Calcium	7440-70-2	LA-505-411		1.78e+04	ug/L			1.00	73		07/22/08
Strontium	7440-24-6	LA-505-411		98.3	ug/L			1.00	4.0		07/22/08
Beryllium	7440-41-7	LA-505-411	U	< 4.00	ug/L			1.00	4.0		07/22/08

MDL = Minimum Detection Limit
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WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: S08-006
Sample # W08P002937
Client ID: B1VLX8 TRENT
Matrix: WATER

Group #: WSCF20081245
Department: Inorganic
Sampled: 06/22/08
Received: 06/23/08

WSCF

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
ICP Metals Analysis, Grd H20 P Prep											**07/29/08**
ICP Metals Analysis, Grd H20 P											
Iron	7439-89-6	LA-505-411		67.5	ug/L			1.00	25		07/30/08
Magnesium	7439-95-4	LA-505-411		6.09e+03	ug/L			1.00	50		07/30/08
Manganese	7439-96-5	LA-505-411		58.0	ug/L			1.00	4.0		07/30/08
Nickel	7440-02-0	LA-505-411	U	< 4.00	ug/L			1.00	4.0		07/30/08
Potassium	7440-09-7	LA-505-411		4.98e+03	ug/L			1.00	1.7e+02		07/30/08
Silver	7440-22-4	LA-505-411	U	< 5.00	ug/L			1.00	5.0		07/30/08
Sodium	7440-23-5	LA-505-411		4.31e+04	ug/L			1.00	51		07/30/08
Antimony	7440-36-0	LA-505-411	U	< 56.0	ug/L			1.00	56		07/30/08
Barium	7440-39-3	LA-505-411		49.8	ug/L			1.00	4.0		07/30/08
Cadmium	7440-43-9	LA-505-411	U	< 4.00	ug/L			1.00	4.0		07/30/08
Chromium	7440-47-3	LA-505-411	U	< 13.0	ug/L			1.00	13		07/30/08
Cobalt	7440-48-4	LA-505-411	U	< 4.00	ug/L			1.00	4.0		07/30/08
Copper	7440-50-8	LA-505-411	U	< 6.00	ug/L			1.00	6.0		07/30/08
Vanadium	7440-62-2	LA-505-411	U	< 12.0	ug/L			1.00	12		07/30/08
Zinc	7440-66-6	LA-505-411	U	< 9.00	ug/L			1.00	9.0		07/30/08
Calcium	7440-70-2	LA-505-411		1.80e+04	ug/L			1.00	73		07/30/08
Strontium	7440-24-6	LA-505-411		108	ug/L			1.00	4.0		07/30/08
Beryllium	7440-41-7	LA-505-411	U	< 4.00	ug/L			1.00	4.0		07/30/08

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

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

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WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: S08-006
Sample # W08P002938
Client ID: B1VLY1 TRENT WSCF
Matrix: WATER

Group #: WSCF20081245
Department: Inorganic
Sampled: 06/22/08
Received: 06/23/08

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	D	0.881	mg/L			2.00	0.042		06/24/08
Chloride	16887-00-6	LA-533-410	D	11.5	mg/L			2.00	0.22		06/24/08
Nitrogen in Nitrite	NO2-N	LA-533-410	DU	< 0.0198	mg/L			2.00	0.020		06/24/08
Nitrogen in Nitrate	NO3-N	LA-533-410	D	0.316	mg/L			2.00	0.072		06/24/08
Sulfate	14808-79-8	LA-533-410	D	23.3	mg/L			2.00	0.15		06/24/08
ICP Metals Analysis, Grd H20 P Prep											**07/29/08**
ICP Metals Analysis, Grd H20 P											
Iron	7439-89-6	LA-505-411		42.3	ug/L			1.00	25		07/30/08
Magnesium	7439-95-4	LA-505-411		6.07e+03	ug/L			1.00	50		07/30/08
Manganese	7439-96-5	LA-505-411		59.9	ug/L			1.00	4.0		07/30/08
Nickel	7440-02-0	LA-505-411	U	< 4.00	ug/L			1.00	4.0		07/30/08
Potassium	7440-09-7	LA-505-411		4.88e+03	ug/L			1.00	1.7e+02		07/30/08
Silver	7440-22-4	LA-505-411	U	< 5.00	ug/L			1.00	5.0		07/30/08
Sodium	7440-23-5	LA-505-411		4.42e+04	ug/L			1.00	51		07/30/08
Antimony	7440-36-0	LA-505-411	U	< 56.0	ug/L			1.00	56		07/30/08
Barium	7440-39-3	LA-505-411		49.7	ug/L			1.00	4.0		07/30/08
Cadmium	7440-43-9	LA-505-411	U	< 4.00	ug/L			1.00	4.0		07/30/08
Chromium	7440-47-3	LA-505-411	U	< 13.0	ug/L			1.00	13		07/30/08
Cobalt	7440-48-4	LA-505-411	U	< 4.00	ug/L			1.00	4.0		07/30/08
Copper	7440-50-8	LA-505-411	U	< 6.00	ug/L			1.00	6.0		07/30/08
Vanadium	7440-62-2	LA-505-411	U	< 12.0	ug/L			1.00	12		07/30/08
Zinc	7440-66-6	LA-505-411	U	< 9.00	ug/L			1.00	9.0		07/30/08
Calcium	7440-70-2	LA-505-411		1.80e+04	ug/L			1.00	73		07/30/08
Strontium	7440-24-6	LA-505-411		108	ug/L			1.00	4.0		07/30/08

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

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J - Analyte < lowest calibration but > = MDL.(org)
U - Analyzed for but not detected above limiting criteria(inorg)
U - Analyzed for but not detected above limiting criteria.(org)

D - Analyte was identified at a secondary dilution factor(inorg)
N - Spike sample recovery is outside control limits.(inorg)
U - Analyzed for but not detected above limiting criteria.

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

WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: S08-006
Sample # W08P002938
Client ID: B1VLY1 TRENT
Matrix: WATER

Group #: WSCF20081245
Department: Inorganic
Sampled: 06/22/08
Received: 06/23/08

WSCF

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
Beryllium	7440-41-7	LA-505-411	U	< 4.00	ug/L			1.00	4.0		07/30/08
Total Alkalinity as mg/L CaCO3											
Total Alkalinity as mg/L CaCO3	ALKALINITY	LA-531-411		120	mg/L			1.00	1.0		07/02/08

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)
J - Analyte < lowest calibration but > = MDL.(org)
U - Analyzed for but not detected above limiting criteria(inorg)
U - Analyzed for but not detected above limiting criteria.(org)
D - Analyte was identified at a secondary dilution factor(inorg)
N - Spike sample recovery is outside control limits.(inorg)
U - Analyzed for but not detected above limiting criteria.

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

WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: S08-006
Sample # W08P002939
Client ID: B1VLX9 TRENT WSCF
Matrix: WATER

Group #: WSCF20081245
Department: Inorganic
Sampled: 06/22/08
Received: 06/23/08

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	D	0.891	mg/L			2.00	0.042		06/24/08
Chloride	16887-00-6	LA-533-410	D	11.4	mg/L			2.00	0.22		06/24/08
Nitrogen in Nitrite	NO2-N	LA-533-410	BDN	0.133	mg/L			2.00	0.020		06/24/08
Nitrogen in Nitrate	NO3-N	LA-533-410	D	0.295	mg/L			2.00	0.072		06/24/08
Sulfate	14808-79-8	LA-533-410	D	24.2	mg/L			2.00	0.15		06/24/08
ICP Metals Analysis, Grd H20 P Prep											**07/29/08**
ICP Metals Analysis, Grd H20 P											
Iron	7439-89-6	LA-505-411		47.6	ug/L			1.00	25		07/30/08
Magnesium	7439-95-4	LA-505-411		6.01e+03	ug/L			1.00	50		07/30/08
Manganese	7439-96-5	LA-505-411		59.3	ug/L			1.00	4.0		07/30/08
Nickel	7440-02-0	LA-505-411	U	< 4.00	ug/L			1.00	4.0		07/30/08
Potassium	7440-09-7	LA-505-411		4.87e+03	ug/L			1.00	1.7e+02		07/30/08
Silver	7440-22-4	LA-505-411	U	< 5.00	ug/L			1.00	5.0		07/30/08
Sodium	7440-23-5	LA-505-411		4.22e+04	ug/L			1.00	51		07/30/08
Antimony	7440-36-0	LA-505-411	U	< 56.0	ug/L			1.00	56		07/30/08
Barium	7440-39-3	LA-505-411		49.1	ug/L			1.00	4.0		07/30/08
Cadmium	7440-43-9	LA-505-411	U	< 4.00	ug/L			1.00	4.0		07/30/08
Chromium	7440-47-3	LA-505-411	U	< 13.0	ug/L			1.00	13		07/30/08
Cobalt	7440-48-4	LA-505-411	U	< 4.00	ug/L			1.00	4.0		07/30/08
Copper	7440-50-8	LA-505-411	U	< 6.00	ug/L			1.00	6.0		07/30/08
Vanadium	7440-62-2	LA-505-411	U	< 12.0	ug/L			1.00	12		07/30/08
Zinc	7440-66-6	LA-505-411	U	< 9.00	ug/L			1.00	9.0		07/30/08
Calcium	7440-70-2	LA-505-411		1.78e+04	ug/L			1.00	73		07/30/08
Strontium	7440-24-6	LA-505-411		107	ug/L			1.00	4.0		07/30/08

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)
J - Analyte < lowest calibration but > = MDL.(org)
U - Analyzed for but not detected above limiting criteria(inorg)
U - Analyzed for but not detected above limiting criteria.(org)
D - Analyte was identified at a secondary dilution factor(inorg)
N - Spike sample recovery is outside control limits.(inorg)
U - Analyzed for but not detected above limiting criteria.

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

WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: S08-006
Sample # W08P002939
Client ID: B1VLX9 TRENT
Matrix: WATER

Group #: WSCF20081245
Department: Inorganic
Sampled: 06/22/08
Received: 06/23/08

WSCF

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
Beryllium	7440-41-7	LA-505-411	U	< 4.00	ug/L			1.00	4.0		07/30/08
Total Alkalinity as mg/L CaCO3											
Total Alkalinity as mg/L CaCO3	ALKALINITY	LA-531-411		120	mg/L			1.00	1.0		07/02/08

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)
J - Analyte < lowest calibration but > = MDL.(org)
U - Analyzed for but not detected above limiting criteria(inorg)
U - Analyzed for but not detected above limiting criteria.(org)

D - Analyte was identified at a secondary dilution factor(inorg)
N - Spike sample recovery is outside control limits.(inorg)
U - Analyzed for but not detected above limiting criteria.

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

WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: S08-006
Sample # W08P002940
Client ID: B1VLJ6 TRENT WSCF
Matrix: WATER

Group #: WSCF20081245
Department: Inorganic
Sampled: 06/22/08
Received: 06/23/08

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
Total Alkalinity as mg/L CaCO3											
Total Alkalinity as mg/L CaCO3	ALKALINITY	LA-531-411		110	mg/L			1.00	1.0		07/02/08

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)
J - Analyte < lowest calibration but > = MDL.(org)
U - Analyzed for but not detected above limiting criteria(inorg)
U - Analyzed for but not detected above limiting criteria.(org)

D - Analyte was identified at a secondary dilution factor(inorg)
N - Spike sample recovery is outside control limits.(inorg)
U - Analyzed for but not detected above limiting criteria.

WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: S08-006
Sample # W08P002941
Client ID: B1VLJ7 TRENT WSCF
Matrix: WATER

Group #: WSCF20081245
Department: Inorganic
Sampled: 06/22/08
Received: 06/23/08

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
Total Alkalinity as mg/L CaCO3											
Total Alkalinity as mg/L CaCO3	ALKALINITY	LA-531-411		110	mg/L			1.00	1.0		07/02/08

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)
J - Analyte < lowest calibration but > = MDL.(org)
U - Analyzed for but not detected above limiting criteria(inorg)
U - Analyzed for but not detected above limiting criteria.(org)
D - Analyte was identified at a secondary dilution factor(inorg)
N - Spike sample recovery is outside control limits.(inorg)
U - Analyzed for but not detected above limiting criteria.

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

WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: W08-006
Sample # W08P002942
Client ID: B1VPT1 TRENT **Matrix:** WATER

Group #: WSCF20081245
Department: Inorganic
Sampled: 06/22/08
Received: 06/23/08

WSCF

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
ICP-200.8 MS All possible meta Prep											**07/07/08**
ICP-200.8 MS All possible meta											
Uranium	7440-61-1	LA-505-412		12.0	ug/L			1.00	0.0500		07/08/08

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)
J - Analyte < lowest calibration but > = MDL.(org)
U - Analyzed for but not detected above limiting criteria(inorg)
U - Analyzed for but not detected above limiting criteria.(org)

D - Analyte was identified at a secondary dilution factor(inorg)
N - Spike sample recovery is outside control limits.(inorg)
U - Analyzed for but not detected above limiting criteria.

WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: W08-006
Sample # W08P002943
Client ID: B1VPT2 TRENT **Matrix:** WATER

Group #: WSCF20081245
Department: Inorganic
Sampled: 06/22/08
Received: 06/23/08

WSCF

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
ICP-200.8 MS All possible meta Prep											**07/07/08**
ICP-200.8 MS All possible meta											
Uranium	7440-61-1	LA-505-412		10.9	ug/L			1.00	0.0500		07/08/08

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)
J - Analyte < lowest calibration but > = MDL.(org)
U - Analyzed for but not detected above limiting criteria(inorg)
U - Analyzed for but not detected above limiting criteria.(org)

D - Analyte was identified at a secondary dilution factor(inorg)
N - Spike sample recovery is outside control limits.(inorg)
U - Analyzed for but not detected above limiting criteria.

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

WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: W08-006
Sample # W08P002944
Client ID: B1VPV1 TRENT **Matrix:** WATER

Group #: WSCF20081245
Department: Inorganic
Sampled: 06/22/08
Received: 06/23/08

WSCF

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
ICP-200.8 MS All possible meta Prep											**07/07/08**
ICP-200.8 MS All possible meta											
Uranium	7440-61-1	LA-505-412	U	< 0.0500	ug/L			1.00	0.0500		07/08/08

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)
J - Analyte < lowest calibration but > = MDL.(org)
U - Analyzed for but not detected above limiting criteria(inorg)
U - Analyzed for but not detected above limiting criteria.(org)

D - Analyte was identified at a secondary dilution factor(inorg)
N - Spike sample recovery is outside control limits.(inorg)
U - Analyzed for but not detected above limiting criteria.

WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: W08-006
Sample # W08P002945
Client ID: B1VPT9 TRENT
Matrix: WATER

Group #: WSCF20081245
Department: Inorganic
Sampled: 06/22/08
Received: 06/23/08

WSCF

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
ICP-200.8 MS All possible meta Prep											**07/07/08**
ICP-200.8 MS All possible meta											
Uranium	7440-61-1	LA-505-412		5.36	ug/L			1.00	0.0500		07/08/08

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)
J - Analyte < lowest calibration but > = MDL.(org)
U - Analyzed for but not detected above limiting criteria(inorg)
U - Analyzed for but not detected above limiting criteria.(org)

D - Analyte was identified at a secondary dilution factor(inorg)
N - Spike sample recovery is outside control limits.(inorg)
U - Analyzed for but not detected above limiting criteria.

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WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: W08-006
Sample # W08P002946
Client ID: B1VPT7 TRENT **Matrix:** WATER

Group #: WSCF20081245
Department: Inorganic
Sampled: 06/22/08
Received: 06/23/08

WSCF

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
ICP-200.8 MS All possible meta Prep											**07/07/08**
ICP-200.8 MS All possible meta											
Uranium	7440-61-1	LA-505-412	U	< 0.0500	ug/L			1.00	0.0500		07/08/08

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)
J - Analyte < lowest calibration but > = MDL.(org)
U - Analyzed for but not detected above limiting criteria(inorg)
U - Analyzed for but not detected above limiting criteria.(org)

D - Analyte was identified at a secondary dilution factor(inorg)
N - Spike sample recovery is outside control limits.(inorg)
U - Analyzed for but not detected above limiting criteria.

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WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: W08-006
Sample # W08P002947
Client ID: B1VPT5 TRENT WSCF
Matrix: WATER

Group #: WSCF20081245
Department: Inorganic
Sampled: 06/22/08
Received: 06/23/08

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
ICP-200.8 MS All possible meta Prep											**07/07/08**
ICP-200.8 MS All possible meta											
Uranium	7440-61-1	LA-505-412		116	ug/L			1.00	0.0500		07/08/08

MDL=Minimum Detection Limit
RQ=Result Qualifier
TP Err=Total Propagated Error
DF=Dilution Factor
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B - The analyte < the RDL but > = the IDL/MDL (inorg)
J - Analyte < lowest calibration but > = MDL.(org)
U - Analyzed for but not detected above limiting criteria(inorg)
U - Analyzed for but not detected above limiting criteria.(org)

D - Analyte was identified at a secondary dilution factor(inorg)
N - Spike sample recovery is outside control limits.(inorg)
U - Analyzed for but not detected above limiting criteria.

WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: W08-006
Sample # W08P002957
Client ID: B1VRD1 TRENT
Matrix: WATER

Group #: WSCF20081245
Department: Inorganic
Sampled: 06/22/08
Received: 06/23/08

Test Performed	CAS #	WSCF Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
ICP Metals Analysis, Grd H20 P Prep											**07/29/08**
ICP Metals Analysis, Grd H20 P											
Iron	7439-89-6	LA-505-411	U	< 25.0	ug/L			1.00	25		07/30/08
Magnesium	7439-95-4	LA-505-411		2.40e+04	ug/L			1.00	50		07/30/08
Manganese	7439-96-5	LA-505-411	U	< 4.00	ug/L			1.00	4.0		07/30/08
Nickel	7440-02-0	LA-505-411	U	< 4.00	ug/L			1.00	4.0		07/30/08
Potassium	7440-09-7	LA-505-411		7.74e+03	ug/L			1.00	1.7e+02		07/30/08
Silver	7440-22-4	LA-505-411	U	< 5.00	ug/L			1.00	5.0		07/30/08
Sodium	7440-23-5	LA-505-411		3.11e+04	ug/L			1.00	51		07/30/08
Antimony	7440-36-0	LA-505-411	U	< 56.0	ug/L			1.00	56		07/30/08
Barium	7440-39-3	LA-505-411		96.8	ug/L			1.00	4.0		07/30/08
Cadmium	7440-43-9	LA-505-411	U	< 4.00	ug/L			1.00	4.0		07/30/08
Chromium	7440-47-3	LA-505-411	U	< 13.0	ug/L			1.00	13		07/30/08
Cobalt	7440-48-4	LA-505-411	U	< 4.00	ug/L			1.00	4.0		07/30/08
Copper	7440-50-8	LA-505-411	U	< 6.00	ug/L			1.00	6.0		07/30/08
Vanadium	7440-62-2	LA-505-411		12.6	ug/L			1.00	12		07/30/08
Zinc	7440-66-6	LA-505-411	U	< 9.00	ug/L			1.00	9.0		07/30/08
Calcium	7440-70-2	LA-505-411		8.04e+04	ug/L			1.00	73		07/30/08
Strontium	7440-24-6	LA-505-411		437	ug/L			1.00	4.0		07/30/08
Beryllium	7440-41-7	LA-505-411	U	< 4.00	ug/L			1.00	4.0		07/30/08

MDL = Minimum Detection Limit
RQ = Result Qualifier
TP Err = Total Propagated Error
DF = Dilution Factor
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B - The analyte < the RDL but > = the IDL/MDL (inorg)
J - Analyte < lowest calibration but > = MDL.(org)
U - Analyzed for but not detected above limiting criteria(inorg)
U - Analyzed for but not detected above limiting criteria.(org)

D - Analyte was identified at a secondary dilution factor(inorg)
N - Spike sample recovery is outside control limits.(inorg)
U - Analyzed for but not detected above limiting criteria.

WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: W08-006
Sample # W08P002959
Client ID: B1VRD2 TRENT WSCF
Matrix: WATER

Group #: WSCF20081245
Department: Inorganic
Sampled: 06/22/08
Received: 06/23/08

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	D	0.329	mg/L			3.00	0.063		06/24/08
Chloride	16887-00-6	LA-533-410	D	22.1	mg/L			3.00	0.33		06/24/08
Nitrogen in Nitrite	NO2-N	LA-533-410	DU	< 0.0297	mg/L			3.00	0.030		06/24/08
Nitrogen in Nitrate	NO3-N	LA-533-410	D	12.1	mg/L			3.00	0.11		06/24/08
Sulfate	14808-79-8	LA-533-410	D	152	mg/L			10.00	0.77		06/24/08
ICP Metals Analysis, Grd H20 P Prep											**07/29/08**
ICP Metals Analysis, Grd H20 P											
Iron	7439-89-6	LA-505-411		59.8	ug/L			1.00	25		07/30/08
Magnesium	7439-95-4	LA-505-411		2.47e+04	ug/L			1.00	50		07/30/08
Manganese	7439-96-5	LA-505-411	U	< 4.00	ug/L			1.00	4.0		07/30/08
Nickel	7440-02-0	LA-505-411	U	< 4.00	ug/L			1.00	4.0		07/30/08
Potassium	7440-09-7	LA-505-411		7.70e+03	ug/L			1.00	1.7e+02		07/30/08
Silver	7440-22-4	LA-505-411	U	< 5.00	ug/L			1.00	5.0		07/30/08
Sodium	7440-23-5	LA-505-411		3.08e+04	ug/L			1.00	51		07/30/08
Antimony	7440-36-0	LA-505-411	U	< 56.0	ug/L			1.00	56		07/30/08
Barium	7440-39-3	LA-505-411		100	ug/L			1.00	4.0		07/30/08
Cadmium	7440-43-9	LA-505-411	U	< 4.00	ug/L			1.00	4.0		07/30/08
Chromium	7440-47-3	LA-505-411	U	< 13.0	ug/L			1.00	13		07/30/08
Cobalt	7440-48-4	LA-505-411	U	< 4.00	ug/L			1.00	4.0		07/30/08
Copper	7440-50-8	LA-505-411	U	< 6.00	ug/L			1.00	6.0		07/30/08
Vanadium	7440-62-2	LA-505-411		12.9	ug/L			1.00	12		07/30/08
Zinc	7440-66-6	LA-505-411	U	< 9.00	ug/L			1.00	9.0		07/30/08
Calcium	7440-70-2	LA-505-411		8.42e+04	ug/L			1.00	73		07/30/08
Strontium	7440-24-6	LA-505-411		451	ug/L			1.00	4.0		07/30/08

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)
J - Analyte < lowest calibration but > = MDL.(org)
U - Analyzed for but not detected above limiting criteria(inorg)
U - Analyzed for but not detected above limiting criteria.(org)
D - Analyte was identified at a secondary dilution factor(inorg)
N - Spike sample recovery is outside control limits.(inorg)
U - Analyzed for but not detected above limiting criteria.

WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: W08-006
Sample # W08P002959
Client ID: B1VRD2 TRENT **Matrix:** WATER

Group #: WSCF20081245
Department: Inorganic
Sampled: 06/22/08
Received: 06/23/08

WSCF

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
Beryllium	7440-41-7	LA-505-411	U	< 4.00	ug/L			1.00	4.0		07/30/08
ICP-200.8 MS All possible meta Prep											**07/07/08**
ICP-200.8 MS All possible meta											
Uranium	7440-61-1	LA-505-412		3.01	ug/L			1.00	0.0500		07/08/08
Total Alkalinity as mg/L CaCO3											
Total Alkalinity as mg/L CaCO3	ALKALINITY	LA-531-411		130	mg/L			1.00	1.0		07/02/08

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)
J - Analyte < lowest calibration but > = MDL.(org)
U - Analyzed for but not detected above limiting criteria(inorg)
U - Analyzed for but not detected above limiting criteria.(org)

D - Analyte was identified at a secondary dilution factor(inorg)
N - Spike sample recovery is outside control limits.(inorg)
U - Analyzed for but not detected above limiting criteria.

WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: W08-006
Sample # W08P002960
Client ID: B1VRC7 TRENT WSCF
Matrix: WATER

Group #: WSCF20081245
Department: Inorganic
Sampled: 06/22/08
Received: 06/23/08

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
ICP Metals Analysis, Grd H20 P Prep											**07/29/08**
ICP Metals Analysis, Grd H20 P											
Iron	7439-89-6	LA-505-411	U	< 25.0	ug/L			1.00	25		07/30/08
Magnesium	7439-95-4	LA-505-411		1.54e+04	ug/L			1.00	50		07/30/08
Manganese	7439-96-5	LA-505-411	U	< 4.00	ug/L			1.00	4.0		07/30/08
Nickel	7440-02-0	LA-505-411	U	< 4.00	ug/L			1.00	4.0		07/30/08
Potassium	7440-09-7	LA-505-411		6.82e+03	ug/L			1.00	1.7e+02		07/30/08
Silver	7440-22-4	LA-505-411	U	< 5.00	ug/L			1.00	5.0		07/30/08
Sodium	7440-23-5	LA-505-411		2.95e+04	ug/L			1.00	51		07/30/08
Antimony	7440-36-0	LA-505-411	U	< 56.0	ug/L			1.00	56		07/30/08
Barium	7440-39-3	LA-505-411		49.8	ug/L			1.00	4.0		07/30/08
Cadmium	7440-43-9	LA-505-411	U	< 4.00	ug/L			1.00	4.0		07/30/08
Chromium	7440-47-3	LA-505-411	U	< 13.0	ug/L			1.00	13		07/30/08
Cobalt	7440-48-4	LA-505-411	U	< 4.00	ug/L			1.00	4.0		07/30/08
Copper	7440-50-8	LA-505-411	U	< 6.00	ug/L			1.00	6.0		07/30/08
Vanadium	7440-62-2	LA-505-411		16.3	ug/L			1.00	12		07/30/08
Zinc	7440-66-6	LA-505-411	U	< 9.00	ug/L			1.00	9.0		07/30/08
Calcium	7440-70-2	LA-505-411		5.41e+04	ug/L			1.00	73		07/30/08
Strontium	7440-24-6	LA-505-411		294	ug/L			1.00	4.0		07/30/08
Beryllium	7440-41-7	LA-505-411	U	< 4.00	ug/L			1.00	4.0		07/30/08

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)
J - Analyte < lowest calibration but > = MDL.(org)
U - Analyzed for but not detected above limiting criteria(inorg)
U - Analyzed for but not detected above limiting criteria.(org)

D - Analyte was identified at a secondary dilution factor(inorg)
N - Spike sample recovery is outside control limits.(inorg)
U - Analyzed for but not detected above limiting criteria.

WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: W08-006
Sample # W08P002961
Client ID: B1VRC8 TRENT WSCF **Matrix:** WATER

Group #: WSCF20081245
Department: Inorganic
Sampled: 06/22/08
Received: 06/23/08

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
ICP Metals Analysis, Grd H20 P Prep											**07/29/08**
ICP Metals Analysis, Grd H20 P											
Iron	7439-89-6	LA-505-411		45.6	ug/L			1.00	25		07/30/08
Magnesium	7439-95-4	LA-505-411		1.54e+04	ug/L			1.00	50		07/30/08
Manganese	7439-96-5	LA-505-411	U	< 4.00	ug/L			1.00	4.0		07/30/08
Nickel	7440-02-0	LA-505-411	U	< 4.00	ug/L			1.00	4.0		07/30/08
Potassium	7440-09-7	LA-505-411		6.78e+03	ug/L			1.00	1.7e+02		07/30/08
Silver	7440-22-4	LA-505-411	U	< 5.00	ug/L			1.00	5.0		07/30/08
Sodium	7440-23-5	LA-505-411		2.95e+04	ug/L			1.00	51		07/30/08
Antimony	7440-36-0	LA-505-411	U	< 56.0	ug/L			1.00	56		07/30/08
Barium	7440-39-3	LA-505-411		49.7	ug/L			1.00	4.0		07/30/08
Cadmium	7440-43-9	LA-505-411	U	< 4.00	ug/L			1.00	4.0		07/30/08
Chromium	7440-47-3	LA-505-411	U	< 13.0	ug/L			1.00	13		07/30/08
Cobalt	7440-48-4	LA-505-411	U	< 4.00	ug/L			1.00	4.0		07/30/08
Copper	7440-50-8	LA-505-411	U	< 6.00	ug/L			1.00	6.0		07/30/08
Vanadium	7440-62-2	LA-505-411		16.7	ug/L			1.00	12		07/30/08
Zinc	7440-66-6	LA-505-411	U	< 9.00	ug/L			1.00	9.0		07/30/08
Calcium	7440-70-2	LA-505-411		5.39e+04	ug/L			1.00	73		07/30/08
Strontium	7440-24-6	LA-505-411		293	ug/L			1.00	4.0		07/30/08
Beryllium	7440-41-7	LA-505-411	U	< 4.00	ug/L			1.00	4.0		07/30/08
ICP-200.8 MS All possible meta Prep											**07/07/08**
ICP-200.8 MS All possible meta											
Uranium	7440-61-1	LA-505-412		9.07	ug/L			1.00	0.0500		07/08/08
Total Alkalinity as mg/L CaCO3											
Total Alkalinity as mg/L CaCO3	ALKALINITY	LA-531-411		130	mg/L			1.00	1.0		07/02/08

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)
J - Analyte < lowest calibration but > = MDL.(org)
U - Analyzed for but not detected above limiting criteria(inorg)
U - Analyzed for but not detected above limiting criteria.(org)

D - Analyte was identified at a secondary dilution factor(inorg)
N - Spike sample recovery is outside control limits.(inorg)
U - Analyzed for but not detected above limiting criteria.

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

WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: W08-006
Sample # W08P002961
Client ID: B1VRC8 TRENT **Matrix:** WATER

Group #: WSCF20081245
Department: Inorganic
Sampled: 06/22/08
Received: 06/23/08

Test Performed	CAS #	WSCF Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date

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)
J - Analyte < lowest calibration but > = MDL.(org)
U - Analyzed for but not detected above limiting criteria(inorg)
U - Analyzed for but not detected above limiting criteria.(org)

D - Analyte was identified at a secondary dilution factor(inorg)
N - Spike sample recovery is outside control limits.(inorg)
U - Analyzed for but not detected above limiting criteria.

WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: W08-006
Sample # W08P002963
Client ID: B1VMV4 TRENT WSCF
Matrix: WATER

Group #: WSCF20081245
Department: Inorganic
Sampled: 06/22/08
Received: 06/23/08

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
Total organic carbon											
Total organic carbon	TOC	LA-344-406	U	< 0.300	mg/L			1.00	0.30		07/09/08

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)
J - Analyte < lowest calibration but > = MDL.(org)
U - Analyzed for but not detected above limiting criteria(inorg)
U - Analyzed for but not detected above limiting criteria.(org)

D - Analyte was identified at a secondary dilution factor(inorg)
N - Spike sample recovery is outside control limits.(inorg)
U - Analyzed for but not detected above limiting criteria.

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

WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: W08-006
Sample # W08P002964
Client ID: B1VMV5 TRENT WSCF
Matrix: WATER

Group #: WSCF20081245
Department: Inorganic
Sampled: 06/22/08
Received: 06/23/08

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
Total organic carbon											
Total organic carbon	TOC	LA-344-406	U	< 0.300	mg/L			1.00	0.30		07/09/08

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)
J - Analyte < lowest calibration but > = MDL.(org)
U - Analyzed for but not detected above limiting criteria(inorg)
U - Analyzed for but not detected above limiting criteria.(org)

D - Analyte was identified at a secondary dilution factor(inorg)
N - Spike sample recovery is outside control limits.(inorg)
U - Analyzed for but not detected above limiting criteria.

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

WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: W08-006
Sample # W08P002965
Client ID: B1VMV6 TRENT
Matrix: WATER

Group #: WSCF20081245
Department: Inorganic
Sampled: 06/22/08
Received: 06/23/08

WSCF

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
Total organic carbon											
Total organic carbon	TOC	LA-344-406	U	< 0.300	mg/L			1.00	0.30		07/09/08

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)
J - Analyte < lowest calibration but > = MDL.(org)
U - Analyzed for but not detected above limiting criteria(inorg)
U - Analyzed for but not detected above limiting criteria.(org)

D - Analyte was identified at a secondary dilution factor(inorg)
N - Spike sample recovery is outside control limits.(inorg)
U - Analyzed for but not detected above limiting criteria.

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

WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: W08-006
Sample # W08P002966
Client ID: B1VMV7 TRENT **Matrix:** WATER

Group #: WSCF20081245
Department: Inorganic
Sampled: 06/22/08
Received: 06/23/08

WSCF

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
Total organic carbon											
Total organic carbon	TOC	LA-344-406	U	< 0.300	mg/L			1.00	0.30		07/15/08

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)
J - Analyte < lowest calibration but > = MDL.(org)
U - Analyzed for but not detected above limiting criteria(inorg)
U - Analyzed for but not detected above limiting criteria.(org)

D - Analyte was identified at a secondary dilution factor(inorg)
N - Spike sample recovery is outside control limits.(inorg)
U - Analyzed for but not detected above limiting criteria.

WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: W08-006
Sample # W08P002967
Client ID: B1VMP4 TRENT
Matrix: WATER

Group #: WSCF20081245
Department: Inorganic
Sampled: 06/22/08
Received: 06/23/08

WSCF

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
Total organic carbon											
Total organic carbon	TOC	LA-344-406		0.314	mg/L			1.00	0.30		07/15/08

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)
J - Analyte < lowest calibration but > = MDL.(org)
U - Analyzed for but not detected above limiting criteria(inorg)
U - Analyzed for but not detected above limiting criteria.(org)
D - Analyte was identified at a secondary dilution factor(inorg)
N - Spike sample recovery is outside control limits.(inorg)
U - Analyzed for but not detected above limiting criteria.

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

WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: W08-006
Sample # W08P002968
Client ID: B1VMP5 TRENT
Matrix: WATER

Group #: WSCF20081245
Department: Inorganic
Sampled: 06/22/08
Received: 06/23/08

Test Performed	CAS #	WSCF Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
Total organic carbon											
Total organic carbon	TOC	LA-344-406		0.330	mg/L			1.00	0.30		07/15/08

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)
J - Analyte < lowest calibration but > = MDL.(org)
U - Analyzed for but not detected above limiting criteria(inorg)
U - Analyzed for but not detected above limiting criteria.(org)

D - Analyte was identified at a secondary dilution factor(inorg)
N - Spike sample recovery is outside control limits.(inorg)
U - Analyzed for but not detected above limiting criteria.

WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: W08-006
Sample # W08P002969
Client ID: B1VMP6 TRENT
Matrix: WATER

Group #: WSCF20081245
Department: Inorganic
Sampled: 06/22/08
Received: 06/23/08

WSCF

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
Total organic carbon											
Total organic carbon	TOC	LA-344-406		0.395	mg/L			1.00	0.30		07/15/08

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)
J - Analyte < lowest calibration but > = MDL.(org)
U - Analyzed for but not detected above limiting criteria(inorg)
U - Analyzed for but not detected above limiting criteria.(org)

D - Analyte was identified at a secondary dilution factor(inorg)
N - Spike sample recovery is outside control limits.(inorg)
U - Analyzed for but not detected above limiting criteria.

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

WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: W08-006
Sample # W08P002970
Client ID: B1VMP7 TRENT
Matrix: WATER

Group #: WSCF20081245
Department: Inorganic
Sampled: 06/22/08
Received: 06/23/08

WSCF

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
Total organic carbon											
Total organic carbon	TOC	LA-344-406	U	< 0.300	mg/L			1.00	0.30		07/15/08

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)
J - Analyte < lowest calibration but > = MDL.(org)
U - Analyzed for but not detected above limiting criteria(inorg)
U - Analyzed for but not detected above limiting criteria.(org)

D - Analyte was identified at a secondary dilution factor(inorg)
N - Spike sample recovery is outside control limits.(inorg)
U - Analyzed for but not detected above limiting criteria.

WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: W08-006
Sample # W08P002971
Client ID: B1VMW9 TRENT
Matrix: WATER

Group #: WSCF20081245
Department: Inorganic
Sampled: 06/22/08
Received: 06/23/08

WSCF

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
Total organic carbon											
Total organic carbon	TOC	LA-344-406		0.542	mg/L			1.00	0.30		07/15/08

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)
J - Analyte < lowest calibration but > = MDL.(org)
U - Analyzed for but not detected above limiting criteria(inorg)
U - Analyzed for but not detected above limiting criteria.(org)
D - Analyte was identified at a secondary dilution factor(inorg)
N - Spike sample recovery is outside control limits.(inorg)
U - Analyzed for but not detected above limiting criteria.

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

WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: W08-006
Sample # W08P002972
Client ID: B1VMX0 TRENT
Matrix: WATER

Group #: WSCF20081245
Department: Inorganic
Sampled: 06/22/08
Received: 06/23/08

WSCF

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
Total organic carbon											
Total organic carbon	TOC	LA-344-406		0.548	mg/L			1.00	0.30		07/15/08

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)
J - Analyte < lowest calibration but >= MDL.(org)
U - Analyzed for but not detected above limiting criteria(inorg)
U - Analyzed for but not detected above limiting criteria.(org)

D - Analyte was identified at a secondary dilution factor(inorg)
N - Spike sample recovery is outside control limits.(inorg)
U - Analyzed for but not detected above limiting criteria.

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

WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: W08-006
Sample # W08P002973
Client ID: B1VMX1 TRENT **Matrix:** WATER

Group #: WSCF20081245
Department: Inorganic
Sampled: 06/22/08
Received: 06/23/08

WSCF

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
Total organic carbon											
Total organic carbon	TOC	LA-344-406		0.596	mg/L			1.00	0.30		07/15/08

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)
J - Analyte < lowest calibration but > = MDL.(org)
U - Analyzed for but not detected above limiting criteria(inorg)
U - Analyzed for but not detected above limiting criteria.(org)

D - Analyte was identified at a secondary dilution factor(inorg)
N - Spike sample recovery is outside control limits.(inorg)
U - Analyzed for but not detected above limiting criteria.

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

WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: W08-006
Sample # W08P002974
Client ID: B1VMX2 TRENT
Matrix: WATER

Group #: WSCF20081245
Department: Inorganic
Sampled: 06/22/08
Received: 06/23/08

WSCF

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
Total organic carbon											
Total organic carbon	TOC	LA-344-406		0.549	mg/L			1.00	0.30		07/15/08

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)
J - Analyte < lowest calibration but > = MDL.(org)
U - Analyzed for but not detected above limiting criteria(inorg)
U - Analyzed for but not detected above limiting criteria.(org)

D - Analyte was identified at a secondary dilution factor(inorg)
N - Spike sample recovery is outside control limits.(inorg)
U - Analyzed for but not detected above limiting criteria.

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

WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: W08-006
Sample # W08P002975
Client ID: B1VN20 TRENT **Matrix:** WATER

Group #: WSCF20081245
Department: Inorganic
Sampled: 06/22/08
Received: 06/23/08

Test Performed	CAS #	WSCF Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
Total organic carbon											
Total organic carbon	TOC	LA-344-406		0.350	mg/L			1.00	0.30		07/15/08

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)
J - Analyte < lowest calibration but > = MDL.(org)
U - Analyzed for but not detected above limiting criteria(inorg)
U - Analyzed for but not detected above limiting criteria.(org)

D - Analyte was identified at a secondary dilution factor(inorg)
N - Spike sample recovery is outside control limits.(inorg)
U - Analyzed for but not detected above limiting criteria.

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

WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: W08-006
Sample # W08P002976
Client ID: B1VN21 TRENT
Matrix: WATER

Group #: WSCF20081245
Department: Inorganic
Sampled: 06/22/08
Received: 06/23/08

WSCF

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
Total organic carbon											
Total organic carbon	TOC	LA-344-406	U	< 0.300	mg/L			1.00	0.30		07/15/08

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)
J - Analyte < lowest calibration but > = MDL.(org)
U - Analyzed for but not detected above limiting criteria(inorg)
U - Analyzed for but not detected above limiting criteria.(org)

D - Analyte was identified at a secondary dilution factor(inorg)
N - Spike sample recovery is outside control limits.(inorg)
U - Analyzed for but not detected above limiting criteria.

WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: W08-006
Sample # W08P002977
Client ID: B1VN22 TRENT
Matrix: WATER

Group #: WSCF20081245
Department: Inorganic
Sampled: 06/22/08
Received: 06/23/08

WSCF

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
Total organic carbon											
Total organic carbon	TOC	LA-344-406		0.355	mg/L			1.00	0.30		07/15/08

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)
J - Analyte < lowest calibration but > = MDL.(org)
U - Analyzed for but not detected above limiting criteria(inorg)
U - Analyzed for but not detected above limiting criteria.(org)
D - Analyte was identified at a secondary dilution factor(inorg)
N - Spike sample recovery is outside control limits.(inorg)
U - Analyzed for but not detected above limiting criteria.

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

WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: W08-006
Sample # W08P002978
Client ID: B1VN23 TRENT
Matrix: WATER

Group #: WSCF20081245
Department: Inorganic
Sampled: 06/22/08
Received: 06/23/08

WSCF

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
Total organic carbon											
Total organic carbon	TOC	LA-344-406		0.334	mg/L			1.00	0.30		07/15/08

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)
J - Analyte < lowest calibration but > = MDL.(org)
U - Analyzed for but not detected above limiting criteria(inorg)
U - Analyzed for but not detected above limiting criteria.(org)

D - Analyte was identified at a secondary dilution factor(inorg)
N - Spike sample recovery is outside control limits.(inorg)
U - Analyzed for but not detected above limiting criteria.

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

WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: W08-006
Sample # W08P002979
Client ID: B1VN65 TRENT **Matrix:** WATER

Group #: WSCF20081245
Department: Inorganic
Sampled: 06/22/08
Received: 06/23/08

Test Performed	CAS #	WSCF Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
Total Organic Halides Prep											**06/30/08**
Total Organic Halides											
Total Organic Halides	59473-04-0	LA-523-444	U	< 5.00	ug/L			1.00	5.0		07/02/08
Total organic carbon											
Total organic carbon	TOC	LA-344-406		0.304	mg/L			1.00	0.30		07/15/08

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)
J - Analyte < lowest calibration but > = MDL.(org)
U - Analyzed for but not detected above limiting criteria(inorg)
U - Analyzed for but not detected above limiting criteria.(org)

D - Analyte was identified at a secondary dilution factor(inorg)
N - Spike sample recovery is outside control limits.(inorg)
U - Analyzed for but not detected above limiting criteria.

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

WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: W08-006
Sample # W08P002980
Client ID: B1VN66 TRENT
Matrix: WATER

Group #: WSCF20081245
Department: Inorganic
Sampled: 06/22/08
Received: 06/23/08

WSCF

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
Total Organic Halides Prep											**06/30/08**
Total Organic Halides											
Total Organic Halides	59473-04-0	LA-523-444	U	< 5.00	ug/L			1.00	5.0		07/02/08
Total organic carbon											
Total organic carbon	TOC	LA-344-406	U	< 0.300	mg/L			1.00	0.30		07/15/08

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)
J - Analyte < lowest calibration but > = MDL.(org)
U - Analyzed for but not detected above limiting criteria(inorg)
U - Analyzed for but not detected above limiting criteria.(org)

D - Analyte was identified at a secondary dilution factor(inorg)
N - Spike sample recovery is outside control limits.(inorg)
U - Analyzed for but not detected above limiting criteria.

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

WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: W08-006
Sample # W08P002981
Client ID: B1VN67 TRENT **Matrix:** WATER

Group #: WSCF20081245
Department: Inorganic
Sampled: 06/22/08
Received: 06/23/08

WSCF

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
Total Organic Halides Prep											06/30/08
Total Organic Halides											
Total Organic Halides	59473-04-0	LA-523-444	U	< 5.00	ug/L			1.00	5.0		07/02/08
Total organic carbon											
Total organic carbon	TOC	LA-344-406		0.313	mg/L			1.00	0.30		07/15/08

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)
J - Analyte < lowest calibration but > = MDL.(org)
U - Analyzed for but not detected above limiting criteria(inorg)
U - Analyzed for but not detected above limiting criteria.(org)

D - Analyte was identified at a secondary dilution factor(inorg)
N - Spike sample recovery is outside control limits.(inorg)
U - Analyzed for but not detected above limiting criteria.

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

WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: W08-006
Sample # W08P002982
Client ID: B1VN68 TRENT **Matrix:** WATER

Group #: WSCF20081245
Department: Inorganic
Sampled: 06/22/08
Received: 06/23/08

Test Performed	CAS #	WSCF Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
Total Organic Halides Prep											**06/30/08**
Total Organic Halides											
Total Organic Halides	59473-04-0	LA-523-444	U	< 5.00	ug/L			1.00	5.0		07/02/08
Total organic carbon											
Total organic carbon	TOC	LA-344-406		0.305	mg/L			1.00	0.30		07/15/08

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)
J - Analyte < lowest calibration but > = MDL.(org)
U - Analyzed for but not detected above limiting criteria(inorg)
U - Analyzed for but not detected above limiting criteria.(org)

D - Analyte was identified at a secondary dilution factor(inorg)
N - Spike sample recovery is outside control limits.(inorg)
U - Analyzed for but not detected above limiting criteria.

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

WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: W08-006
Sample # W08P002983
Client ID: B1VN05 TRENT
Matrix: WATER

Group #: WSCF20081245
Department: Inorganic
Sampled: 06/22/08
Received: 06/23/08

WSCF

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
Total organic carbon											
Total organic carbon	TOC	LA-344-406		0.302	mg/L			1.00	0.30		07/15/08

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)
J - Analyte < lowest calibration but > = MDL.(org)
U - Analyzed for but not detected above limiting criteria(inorg)
U - Analyzed for but not detected above limiting criteria.(org)

D - Analyte was identified at a secondary dilution factor(inorg)
N - Spike sample recovery is outside control limits.(inorg)
U - Analyzed for but not detected above limiting criteria.

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

WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: W08-006
Sample # W08P002984
Client ID: B1VN06 TRENT
Matrix: WATER

Group #: WSCF20081245
Department: Inorganic
Sampled: 06/22/08
Received: 06/23/08

Test Performed	CAS #	WSCF Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
Total organic carbon											
Total organic carbon	TOC	LA-344-406	U	< 0.300	mg/L			1.00	0.30		07/15/08

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)
J - Analyte < lowest calibration but > = MDL.(org)
U - Analyzed for but not detected above limiting criteria(inorg)
U - Analyzed for but not detected above limiting criteria.(org)

D - Analyte was identified at a secondary dilution factor(inorg)
N - Spike sample recovery is outside control limits.(inorg)
U - Analyzed for but not detected above limiting criteria.

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WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: W08-006
Sample # W08P002985
Client ID: B1VN07 TRENT
Matrix: WATER

Group #: WSCF20081245
Department: Inorganic
Sampled: 06/22/08
Received: 06/23/08

WSCF

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
Total organic carbon											
Total organic carbon	TOC	LA-344-406	U	< 0.300	mg/L			1.00	0.30		07/15/08

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)
J - Analyte < lowest calibration but > = MDL.(org)
U - Analyzed for but not detected above limiting criteria(inorg)
U - Analyzed for but not detected above limiting criteria.(org)

D - Analyte was identified at a secondary dilution factor(inorg)
N - Spike sample recovery is outside control limits.(inorg)
U - Analyzed for but not detected above limiting criteria.

WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: W08-006
Sample # W08P002986
Client ID: B1VN08 TRENT
Matrix: WATER

Group #: WSCF20081245
Department: Inorganic
Sampled: 06/22/08
Received: 06/23/08

Test Performed	CAS #	WSCF Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
Total organic carbon											
Total organic carbon	TOC	LA-344-406	U	< 0.300	mg/L			1.00	0.30		07/22/08

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)
J - Analyte < lowest calibration but > = MDL.(org)
U - Analyzed for but not detected above limiting criteria(inorg)
U - Analyzed for but not detected above limiting criteria.(org)

D - Analyte was identified at a secondary dilution factor(inorg)
N - Spike sample recovery is outside control limits.(inorg)
U - Analyzed for but not detected above limiting criteria.

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WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: W08-006
Sample # W08P002987
Client ID: B1VMV8 TRENT
Matrix: WATER

Group #: WSCF20081245
Department: Inorganic
Sampled: 06/22/08
Received: 06/23/08

WSCF

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
ICP Metals Analysis, Grd H20 P Prep											**07/29/08**
ICP Metals Analysis, Grd H20 P											
Iron	7439-89-6	LA-505-411	U	< 25.0	ug/L			1.00	25		07/30/08
Magnesium	7439-95-4	LA-505-411		1.32e+04	ug/L			1.00	50		07/30/08
Manganese	7439-96-5	LA-505-411	U	< 4.00	ug/L			1.00	4.0		07/30/08
Nickel	7440-02-0	LA-505-411	U	< 4.00	ug/L			1.00	4.0		07/30/08
Potassium	7440-09-7	LA-505-411		5.39e+03	ug/L			1.00	1.7e+02		07/30/08
Silver	7440-22-4	LA-505-411	U	< 5.00	ug/L			1.00	5.0		07/30/08
Sodium	7440-23-5	LA-505-411		2.36e+04	ug/L			1.00	51		07/30/08
Antimony	7440-36-0	LA-505-411	U	< 56.0	ug/L			1.00	56		07/30/08
Barium	7440-39-3	LA-505-411		55.4	ug/L			1.00	4.0		07/30/08
Cadmium	7440-43-9	LA-505-411	U	< 4.00	ug/L			1.00	4.0		07/30/08
Chromium	7440-47-3	LA-505-411	U	< 13.0	ug/L			1.00	13		07/30/08
Cobalt	7440-48-4	LA-505-411	U	< 4.00	ug/L			1.00	4.0		07/30/08
Copper	7440-50-8	LA-505-411	U	< 6.00	ug/L			1.00	6.0		07/30/08
Vanadium	7440-62-2	LA-505-411		17.5	ug/L			1.00	12		07/30/08
Zinc	7440-66-6	LA-505-411	U	< 9.00	ug/L			1.00	9.0		07/30/08
Calcium	7440-70-2	LA-505-411		4.70e+04	ug/L			1.00	73		07/30/08
Strontium	7440-24-6	LA-505-411		224	ug/L			1.00	4.0		07/30/08
Beryllium	7440-41-7	LA-505-411	U	< 4.00	ug/L			1.00	4.0		07/30/08

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)
J - Analyte < lowest calibration but > = MDL.(org)
U - Analyzed for but not detected above limiting criteria(inorg)
U - Analyzed for but not detected above limiting criteria.(org)

D - Analyte was identified at a secondary dilution factor(inorg)
N - Spike sample recovery is outside control limits.(inorg)
U - Analyzed for but not detected above limiting criteria.

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

WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: W08-006
Sample # W08P002988
Client ID: B1VMV9 TRENT WSCF
Matrix: WATER

Group #: WSCF20081245
Department: Inorganic
Sampled: 06/22/08
Received: 06/23/08

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	D	0.444	mg/L			2.00	0.042		06/24/08
Chloride	16887-00-6	LA-533-410	D	11.3	mg/L			2.00	0.22		06/24/08
Nitrogen in Nitrite	NO2-N	LA-533-410	DU	< 0.0198	mg/L			2.00	0.020		06/24/08
Nitrogen in Nitrate	NO3-N	LA-533-410	D	10.1	mg/L			2.00	0.072		06/24/08
Sulfate	14808-79-8	LA-533-410	D	41.4	mg/L			2.00	0.15		06/24/08
ICP Metals Analysis, Grd H20 P Prep											**07/29/08**
ICP Metals Analysis, Grd H20 P											
Iron	7439-89-6	LA-505-411		28.6	ug/L			1.00	25		07/30/08
Magnesium	7439-95-4	LA-505-411		1.34e+04	ug/L			1.00	50		07/30/08
Manganese	7439-96-5	LA-505-411	U	< 4.00	ug/L			1.00	4.0		07/30/08
Nickel	7440-02-0	LA-505-411	U	< 4.00	ug/L			1.00	4.0		07/30/08
Potassium	7440-09-7	LA-505-411		5.41e+03	ug/L			1.00	1.7e+02		07/30/08
Silver	7440-22-4	LA-505-411	U	< 5.00	ug/L			1.00	5.0		07/30/08
Sodium	7440-23-5	LA-505-411		2.34e+04	ug/L			1.00	51		07/30/08
Antimony	7440-36-0	LA-505-411	U	< 56.0	ug/L			1.00	56		07/30/08
Barium	7440-39-3	LA-505-411		55.5	ug/L			1.00	4.0		07/30/08
Cadmium	7440-43-9	LA-505-411	U	< 4.00	ug/L			1.00	4.0		07/30/08
Chromium	7440-47-3	LA-505-411	U	< 13.0	ug/L			1.00	13		07/30/08
Cobalt	7440-48-4	LA-505-411	U	< 4.00	ug/L			1.00	4.0		07/30/08
Copper	7440-50-8	LA-505-411	U	< 6.00	ug/L			1.00	6.0		07/30/08
Vanadium	7440-62-2	LA-505-411		18.9	ug/L			1.00	12		07/30/08
Zinc	7440-66-6	LA-505-411	U	< 9.00	ug/L			1.00	9.0		07/30/08
Calcium	7440-70-2	LA-505-411		4.75e+04	ug/L			1.00	73		07/30/08
Strontium	7440-24-6	LA-505-411		226	ug/L			1.00	4.0		07/30/08

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)
J - Analyte < lowest calibration but > = MDL.(org)
U - Analyzed for but not detected above limiting criteria(inorg)
U - Analyzed for but not detected above limiting criteria.(org)

D - Analyte was identified at a secondary dilution factor(inorg)
N - Spike sample recovery is outside control limits.(inorg)
U - Analyzed for but not detected above limiting criteria.

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

WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: W08-006
Sample # W08P002988
Client ID: B1VMV9 TRENT **Matrix:** WATER

Group #: WSCF20081245
Department: Inorganic
Sampled: 06/22/08
Received: 06/23/08

WSCF

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
Beryllium	7440-41-7	LA-505-411	U	< 4.00	ug/L			1.00	4.0		07/30/08

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)
J - Analyte < lowest calibration but > = MDL.(org)
U - Analyzed for but not detected above limiting criteria(inorg)
U - Analyzed for but not detected above limiting criteria.(org)

D - Analyte was identified at a secondary dilution factor(inorg)
N - Spike sample recovery is outside control limits.(inorg)
U - Analyzed for but not detected above limiting criteria.

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

WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: W08-006
Sample # W08P002989
Client ID: B1VRC6 TRENT **Matrix:** WATER

Group #: WSCF20081245
Department: Inorganic
Sampled: 06/22/08
Received: 06/23/08

Test Performed	CAS #	WSCF Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
Cyanide											
Cyanide	57-12-5	LA-695-402		6.70	ug/L			1.00	4.0		08/24/08

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)
J - Analyte < lowest calibration but > = MDL.(org)
U - Analyzed for but not detected above limiting criteria(inorg)
U - Analyzed for but not detected above limiting criteria.(org)
D - Analyte was identified at a secondary dilution factor(inorg)
N - Spike sample recovery is outside control limits.(inorg)
U - Analyzed for but not detected above limiting criteria.

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

WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: W08-006
Sample # W08P002990
Client ID: B1VMP8 TRENT WSCF
Matrix: WATER

Group #: WSCF20081245
Department: Inorganic
Sampled: 06/22/08
Received: 06/23/08

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
ICP Metals Analysis, Grd H20 P Prep											**07/29/08**
ICP Metals Analysis, Grd H20 P											
Iron	7439-89-6	LA-505-411	U	< 25.0	ug/L			1.00	25		07/30/08
Magnesium	7439-95-4	LA-505-411		1.58e+04	ug/L			1.00	50		07/30/08
Manganese	7439-96-5	LA-505-411	U	< 4.00	ug/L			1.00	4.0		07/30/08
Nickel	7440-02-0	LA-505-411	U	< 4.00	ug/L			1.00	4.0		07/30/08
Potassium	7440-09-7	LA-505-411		5.59e+03	ug/L			1.00	1.7e+02		07/30/08
Silver	7440-22-4	LA-505-411	U	< 5.00	ug/L			1.00	5.0		07/30/08
Sodium	7440-23-5	LA-505-411		2.29e+04	ug/L			1.00	51		07/30/08
Antimony	7440-36-0	LA-505-411	U	< 56.0	ug/L			1.00	56		07/30/08
Barium	7440-39-3	LA-505-411		47.8	ug/L			1.00	4.0		07/30/08
Cadmium	7440-43-9	LA-505-411	U	< 4.00	ug/L			1.00	4.0		07/30/08
Chromium	7440-47-3	LA-505-411	U	< 13.0	ug/L			1.00	13		07/30/08
Cobalt	7440-48-4	LA-505-411	U	< 4.00	ug/L			1.00	4.0		07/30/08
Copper	7440-50-8	LA-505-411	U	< 6.00	ug/L			1.00	6.0		07/30/08
Vanadium	7440-62-2	LA-505-411		17.3	ug/L			1.00	12		07/30/08
Zinc	7440-66-6	LA-505-411	U	< 9.00	ug/L			1.00	9.0		07/30/08
Calcium	7440-70-2	LA-505-411		5.49e+04	ug/L			1.00	73		07/30/08
Strontium	7440-24-6	LA-505-411		259	ug/L			1.00	4.0		07/30/08
Beryllium	7440-41-7	LA-505-411	U	< 4.00	ug/L			1.00	4.0		07/30/08

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 quelifier symbols

B - The analyte < the RDL but > = the IDL/MDL (inorg)
J - Analyte < lowest calibration but > = MDL.(org)
U - Analyzed for but not detected above limiting criteria(inorg)
U - Analyzed for but not detected above limiting criteria.(org)

D - Analyte was identified at a secondary dilution factor(inorg)
N - Spike sample recovery is outside control limits.(inorg)
U - Analyzed for but not detected above limiting criteria.

WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: W08-006
Sample # W08P002991
Client ID: B1VMP9 TRENT WSCF **Matrix:** WATER

Group #: WSCF20081245
Department: Inorganic
Sampled: 06/22/08
Received: 06/23/08

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	D	0.347	mg/L			2.00	0.042		06/24/08
Chloride	16887-00-6	LA-533-410	D	12.4	mg/L			2.00	0.22		06/24/08
Nitrogen in Nitrite	NO2-N	LA-533-410	BD	0.124	mg/L			2.00	0.020		06/24/08
Nitrogen in Nitrate	NO3-N	LA-533-410	D	11.5	mg/L			2.00	0.072		06/24/08
Sulfate	14808-79-8	LA-533-410	D	67.6	mg/L			2.00	0.15		06/24/08
ICP Metals Analysis, Grd H20 P Prep											**07/29/08**
ICP Metals Analysis, Grd H20 P											
Iron	7439-89-6	LA-505-411		37.2	ug/L			1.00	25		07/30/08
Magnesium	7439-95-4	LA-505-411		1.61e+04	ug/L			1.00	50		07/30/08
Manganese	7439-96-5	LA-505-411	U	< 4.00	ug/L			1.00	4.0		07/30/08
Nickel	7440-02-0	LA-505-411	U	< 4.00	ug/L			1.00	4.0		07/30/08
Potassium	7440-09-7	LA-505-411		5.70e+03	ug/L			1.00	1.7e+02		07/30/08
Silver	7440-22-4	LA-505-411	U	< 5.00	ug/L			1.00	5.0		07/30/08
Sodium	7440-23-5	LA-505-411		2.34e+04	ug/L			1.00	51		07/30/08
Antimony	7440-36-0	LA-505-411	U	< 56.0	ug/L			1.00	56		07/30/08
Barium	7440-39-3	LA-505-411		49.2	ug/L			1.00	4.0		07/30/08
Cadmium	7440-43-9	LA-505-411	U	< 4.00	ug/L			1.00	4.0		07/30/08
Chromium	7440-47-3	LA-505-411	U	< 13.0	ug/L			1.00	13		07/30/08
Cobalt	7440-48-4	LA-505-411	U	< 4.00	ug/L			1.00	4.0		07/30/08
Copper	7440-50-8	LA-505-411	U	< 6.00	ug/L			1.00	6.0		07/30/08
Vanadium	7440-62-2	LA-505-411		17.3	ug/L			1.00	12		07/30/08
Zinc	7440-66-6	LA-505-411	U	< 9.00	ug/L			1.00	9.0		07/30/08
Calcium	7440-70-2	LA-505-411		5.65e+04	ug/L			1.00	73		07/30/08
Strontium	7440-24-6	LA-505-411		266	ug/L			1.00	4.0		07/30/08

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)
J - Analyte < lowest calibration but > = MDL.(org)
U - Analyzed for but not detected above limiting criteria(inorg)
U - Analyzed for but not detected above limiting criteria.(org)

D - Analyte was identified at a secondary dilution factor(inorg)
N - Spike sample recovery is outside control limits.(inorg)
U - Analyzed for but not detected above limiting criteria.

WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: W08-006
Sample # W08P002991
Client ID: B1VMP9 TRENT
Matrix: WATER

Group #: WSCF20081245
Department: Inorganic
Sampled: 06/22/08
Received: 06/23/08

WSCF

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
Beryllium	7440-41-7	LA-505-411	U	< 4.00	ug/L			1.00	4.0		07/30/08

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

D - Analyte was identified at a secondary dilution factor(inorg)
N - Spike sample recovery is outside control limits.(inorg)
U - Analyzed for but not detected above limiting criteria.

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WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: W08-006
Sample # W08P002992
Client ID: B1VRC2 TRENT **Matrix:** WATER

Group #: WSCF20081245
Department: Inorganic
Sampled: 06/22/08
Received: 06/23/08

WSCF

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
Cyanide											
Cyanide	57-12-5	LA-695-402		7.80	ug/L			1.00	4.0		06/24/08

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)
J - Analyte < lowest calibration but > = MDL.(org)
U - Analyzed for but not detected above limiting criteria(inorg)
U - Analyzed for but not detected above limiting criteria.(org)

D - Analyte was identified at a secondary dilution factor(inorg)
N - Spike sample recovery is outside control limits.(inorg)
U - Analyzed for but not detected above limiting criteria.

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

WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: W08-006
Sample # W08P002993
Client ID: B1VMX7 TRENT WSCF
Matrix: WATER

Group #: WSCF20081245
Department: Inorganic
Sampled: 06/22/08
Received: 06/23/08

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
ICP Metals Analysis, Grd H20 P Prep											**07/29/08**
ICP Metals Analysis, Grd H20 P											
Iron	7439-89-6	LA-505-411		66.4	ug/L			1.00	25		07/30/08
Magnesium	7439-95-4	LA-505-411		2.89e+04	ug/L			1.00	50		07/30/08
Manganese	7439-96-5	LA-505-411	U	< 4.00	ug/L			1.00	4.0		07/30/08
Nickel	7440-02-0	LA-505-411	U	< 4.00	ug/L			1.00	4.0		07/30/08
Potassium	7440-09-7	LA-505-411		8.46e+03	ug/L			1.00	1.7e+02		07/30/08
Silver	7440-22-4	LA-505-411	U	< 5.00	ug/L			1.00	5.0		07/30/08
Sodium	7440-23-5	LA-505-411		4.30e+04	ug/L			1.00	51		07/30/08
Antimony	7440-36-0	LA-505-411	U	< 56.0	ug/L			1.00	56		07/30/08
Barium	7440-39-3	LA-505-411		73.9	ug/L			1.00	4.0		07/30/08
Cadmium	7440-43-9	LA-505-411	U	< 4.00	ug/L			1.00	4.0		07/30/08
Chromium	7440-47-3	LA-505-411	U	< 13.0	ug/L			1.00	13		07/30/08
Cobalt	7440-48-4	LA-505-411	U	< 4.00	ug/L			1.00	4.0		07/30/08
Copper	7440-50-8	LA-505-411	U	< 6.00	ug/L			1.00	6.0		07/30/08
Vanadium	7440-62-2	LA-505-411		13.5	ug/L			1.00	12		07/30/08
Zinc	7440-66-6	LA-505-411	U	< 9.00	ug/L			1.00	9.0		07/30/08
Calcium	7440-70-2	LA-505-411		9.97e+04	ug/L			1.00	73		07/30/08
Strontium	7440-24-6	LA-505-411		527	ug/L			1.00	4.0		07/30/08
Beryllium	7440-41-7	LA-505-411	U	< 4.00	ug/L			1.00	4.0		07/30/08

MDL=Minimum Detection Limit
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DF=Dilution Factor

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J - Analyte < lowest calibration but > = MDL.(org)
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U - Analyzed for but not detected above limiting criteria.(org)
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N - Spike sample recovery is outside control limits.(inorg)
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WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: W08-006
Sample # W08P002994
Client ID: B1VMX8 TRENT **Matrix:** WATER

Group #: WSCF20081245
Department: Inorganic
Sampled: 06/22/08
Received: 06/23/08

WSCF

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	D	0.258	mg/L			2.00	0.042		06/24/08
Chloride	16887-00-6	LA-533-410	D	22.6	mg/L			2.00	0.22		06/24/08
Nitrogen in Nitrite	NO2-N	LA-533-410	DU	< 0.0198	mg/L			2.00	0.020		06/24/08
Nitrogen in Nitrate	NO3-N	LA-533-410	D	52.7	mg/L			10.00	0.36		06/24/08
Sulfate	14808-79-8	LA-533-410	D	111	mg/L			10.00	0.77		06/24/08
ICP Metals Analysis, Grd H20 P Prep											**07/29/08**
ICP Metals Analysis, Grd H20 P											
Iron	7439-89-6	LA-505-411		108	ug/L			1.00	25		07/30/08
Magnesium	7439-95-4	LA-505-411		2.89e+04	ug/L			1.00	50		07/30/08
Manganese	7439-96-5	LA-505-411	U	< 4.00	ug/L			1.00	4.0		07/30/08
Nickel	7440-02-0	LA-505-411	U	< 4.00	ug/L			1.00	4.0		07/30/08
Potassium	7440-09-7	LA-505-411		8.34e+03	ug/L			1.00	1.7e+02		07/30/08
Silver	7440-22-4	LA-505-411	U	< 5.00	ug/L			1.00	5.0		07/30/08
Sodium	7440-23-5	LA-505-411		4.34e+04	ug/L			1.00	51		07/30/08
Antimony	7440-36-0	LA-505-411	U	< 56.0	ug/L			1.00	56		07/30/08
Barium	7440-39-3	LA-505-411		73.9	ug/L			1.00	4.0		07/30/08
Cadmium	7440-43-9	LA-505-411	U	< 4.00	ug/L			1.00	4.0		07/30/08
Chromium	7440-47-3	LA-505-411		16.8	ug/L			1.00	13		07/30/08
Cobalt	7440-48-4	LA-505-411	U	< 4.00	ug/L			1.00	4.0		07/30/08
Copper	7440-50-8	LA-505-411	U	< 6.00	ug/L			1.00	6.0		07/30/08
Vanadium	7440-62-2	LA-505-411		13.3	ug/L			1.00	12		07/30/08
Zinc	7440-66-6	LA-505-411	U	< 9.00	ug/L			1.00	9.0		07/30/08
Calcium	7440-70-2	LA-505-411		9.89e+04	ug/L			1.00	73		07/30/08
Strontium	7440-24-6	LA-505-411		524	ug/L			1.00	4.0		07/30/08

MDL = Minimum Detection Limit
RQ = Result Qualifier
TP Err = Total Propagated Error
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B - The analyte < the RDL but > = the IDL/MDL (inorg)
J - Analyte < lowest calibration but > = MDL.(org)
U - Analyzed for but not detected above limiting criteria(inorg)
U - Analyzed for but not detected above limiting criteria.(org)

D - Analyte was identified at a secondary dilution factor(inorg)
N - Spike sample recovery is outside control limits.(inorg)
U - Analyzed for but not detected above limiting criteria.

WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: W08-006
Sample # W08P002994
Client ID: B1VMX8 TRENT **Matrix:** WATER

Group #: WSCF20081245
Department: Inorganic
Sampled: 06/22/08
Received: 06/23/08

WSCF

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
Beryllium	7440-41-7	LA-505-411	U	< 4.00	ug/L			1.00	4.0		07/30/08

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

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

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N - Spike sample recovery is outside control limits.(inorg)
U - Analyzed for but not detected above limiting criteria.

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WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: W08-006
Sample # W08P002995
Client ID: B1VRD5 TRENT **Matrix:** WATER

Group #: WSCF20081245
Department: Inorganic
Sampled: 06/22/08
Received: 06/23/08

WSCF

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
Cyanide											
Cyanide	57-12-5	LA-695-402		121	ug/L			1.00	4.0		06/24/08

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

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J - Analyte < lowest calibration but > = MDL.(org)
U - Analyzed for but not detected above limiting criteria(inorg)
U - Analyzed for but not detected above limiting criteria.(org)

D - Analyte was identified at a secondary dilution factor(inorg)
N - Spike sample recovery is outside control limits.(inorg)
U - Analyzed for but not detected above limiting criteria.

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WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: W08-006
Sample # W08P002996
Client ID: B1VMX3 TRENT WSCF
Matrix: WATER

Group #: WSCF20081245
Department: Inorganic
Sampled: 06/22/08
Received: 06/23/08

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
ICP Metals Analysis, Grd H20 P Prep											**07/29/08**
ICP Metals Analysis, Grd H20 P											
Iron	7439-89-6	LA-505-411		69.4	ug/L			1.00	25		07/30/08
Magnesium	7439-95-4	LA-505-411		2.90e+04	ug/L			1.00	50		07/30/08
Manganese	7439-96-5	LA-505-411	U	< 4.00	ug/L			1.00	4.0		07/30/08
Nickel	7440-02-0	LA-505-411	U	< 4.00	ug/L			1.00	4.0		07/30/08
Potassium	7440-09-7	LA-505-411		8.36e+03	ug/L			1.00	1.7e+02		07/30/08
Silver	7440-22-4	LA-505-411	U	< 5.00	ug/L			1.00	5.0		07/30/08
Sodium	7440-23-5	LA-505-411		4.25e+04	ug/L			1.00	51		07/30/08
Antimony	7440-36-0	LA-505-411	U	< 56.0	ug/L			1.00	56		07/30/08
Barium	7440-39-3	LA-505-411		74.2	ug/L			1.00	4.0		07/30/08
Cadmium	7440-43-9	LA-505-411	U	< 4.00	ug/L			1.00	4.0		07/30/08
Chromium	7440-47-3	LA-505-411	U	< 13.0	ug/L			1.00	13		07/30/08
Cobalt	7440-48-4	LA-505-411	U	< 4.00	ug/L			1.00	4.0		07/30/08
Copper	7440-50-8	LA-505-411	U	< 6.00	ug/L			1.00	6.0		07/30/08
Vanadium	7440-62-2	LA-505-411		13.3	ug/L			1.00	12		07/30/08
Zinc	7440-66-6	LA-505-411	U	< 9.00	ug/L			1.00	9.0		07/30/08
Calcium	7440-70-2	LA-505-411		1.00e+05	ug/L			1.00	73		07/30/08
Strontium	7440-24-6	LA-505-411		530	ug/L			1.00	4.0		07/30/08
Beryllium	7440-41-7	LA-505-411	U	< 4.00	ug/L			1.00	4.0		07/30/08

MDL=Minimum Detection Limit
RQ=Result Qualifier
TP Err=Total Propagated Error
DF=Dilution Factor
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U - Analyzed for but not detected above limiting criteria(inorg)
U - Analyzed for but not detected above limiting criteria.(org)
+ - Indicates more than six qualifier symbols

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

Attention: Steve Trent E6-35
SAF Number: W08-006
Sample # W08P002997
Client ID: B1VMX4 TRENT WSCF
Matrix: WATER

Group #: WSCF20081245
Department: Inorganic
Sampled: 06/22/08
Received: 06/23/08

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	D	0.184	mg/L			2.00	0.042		06/24/08
Chloride	16887-00-6	LA-533-410	D	22.7	mg/L			2.00	0.22		06/24/08
Nitrogen in Nitrite	NO2-N	LA-533-410	DNU	< 0.0198	mg/L			2.00	0.020		06/24/08
Nitrogen in Nitrate	NO3-N	LA-533-410	D	52.9	mg/L			10.00	0.36		06/24/08
Sulfate	14808-79-8	LA-533-410	D	115	mg/L			2.00	0.15		06/24/08
ICP Metals Analysis, Grd H20 P Prep											**07/29/08**
ICP Metals Analysis, Grd H20 P											
Iron	7439-89-6	LA-505-411		99.0	ug/L			1.00	25		07/30/08
Magnesium	7439-95-4	LA-505-411		2.86e+04	ug/L			1.00	50		07/30/08
Manganese	7439-96-5	LA-505-411	U	< 4.00	ug/L			1.00	4.0		07/30/08
Nickel	7440-02-0	LA-505-411	U	< 4.00	ug/L			1.00	4.0		07/30/08
Potassium	7440-09-7	LA-505-411		8.26e+03	ug/L			1.00	1.7e+02		07/30/08
Silver	7440-22-4	LA-505-411	U	< 5.00	ug/L			1.00	5.0		07/30/08
Sodium	7440-23-5	LA-505-411		4.49e+04	ug/L			1.00	51		07/30/08
Antimony	7440-36-0	LA-505-411	U	< 56.0	ug/L			1.00	56		07/30/08
Barium	7440-39-3	LA-505-411		73.4	ug/L			1.00	4.0		07/30/08
Cadmium	7440-43-9	LA-505-411	U	< 4.00	ug/L			1.00	4.0		07/30/08
Chromium	7440-47-3	LA-505-411	U	< 13.0	ug/L			1.00	13		07/30/08
Cobalt	7440-48-4	LA-505-411	U	< 4.00	ug/L			1.00	4.0		07/30/08
Copper	7440-50-8	LA-505-411	U	< 6.00	ug/L			1.00	6.0		07/30/08
Vanadium	7440-62-2	LA-505-411		12.7	ug/L			1.00	12		07/30/08
Zinc	7440-66-6	LA-505-411	U	< 9.00	ug/L			1.00	9.0		07/30/08
Calcium	7440-70-2	LA-505-411		9.86e+04	ug/L			1.00	73		07/30/08
Strontium	7440-24-6	LA-505-411		519	ug/L			1.00	4.0		07/30/08

MDL=Minimum Detection Limit
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TP Err=Total Propagated Error
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J - Analyte < lowest calibration but > = MDL.(org)
U - Analyzed for but not detected above limiting criteria(inorg)
U - Analyzed for but not detected above limiting criteria.(org)
D - Analyte was identified at a secondary dilution factor(inorg)
N - Spike sample recovery is outside control limits.(inorg)
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WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: W08-006
Sample # W08P002997
Client ID: B1VMX4 TRENT
Matrix: WATER

Group #: WSCF20081245
Department: Inorganic
Sampled: 06/22/08
Received: 06/23/08

WSCF

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
Beryllium	7440-41-7	LA-505-411	U	< 4.00	ug/L			1.00	4.0		07/30/08

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TP Err=Total Propagated Error
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U - Analyzed for but not detected above limiting criteria.(org)

D - Analyte was identified at a secondary dilution factor(inorg)
N - Spike sample recovery is outside control limits.(inorg)
U - Analyzed for but not detected above limiting criteria.

WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: W08-006
Sample # W08P002998
Client ID: B1VRD4 TRENT
Matrix: WATER

Group #: WSCF20081245
Department: Inorganic
Sampled: 06/22/08
Received: 06/23/08

WSCF

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
Cyanide											
Cyanide	57-12-5	LA-695-402		120	ug/L			1.00	4.0		06/24/08

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

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

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N - Spike sample recovery is outside control limits.(inorg)
U - Analyzed for but not detected above limiting criteria.

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WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: W08-006
Sample # W08P002999
Client ID: B1VN24 TRENT
Matrix: WATER

Group #: WSCF20081245
Department: Inorganic
Sampled: 06/22/08
Received: 06/23/08

Test Performed	CAS #	WSCF Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
ICP Metals Analysis, Grd H20 P Prep											**07/29/08**
ICP Metals Analysis, Grd H20 P											
Iron	7439-89-6	LA-505-411		30.3	ug/L			1.00	25		07/30/08
Magnesium	7439-95-4	LA-505-411		1.74e+04	ug/L			1.00	50		07/30/08
Manganese	7439-96-5	LA-505-411	U	< 4.00	ug/L			1.00	4.0		07/30/08
Nickel	7440-02-0	LA-505-411		4.70	ug/L			1.00	4.0		07/30/08
Potassium	7440-09-7	LA-505-411		5.61e+03	ug/L			1.00	1.7e+02		07/30/08
Silver	7440-22-4	LA-505-411	U	< 5.00	ug/L			1.00	5.0		07/30/08
Sodium	7440-23-5	LA-505-411		2.51e+04	ug/L			1.00	51		07/30/08
Antimony	7440-36-0	LA-505-411	U	< 56.0	ug/L			1.00	56		07/30/08
Barium	7440-39-3	LA-505-411		66.0	ug/L			1.00	4.0		07/30/08
Cadmium	7440-43-9	LA-505-411	U	< 4.00	ug/L			1.00	4.0		07/30/08
Chromium	7440-47-3	LA-505-411	U	< 13.0	ug/L			1.00	13		07/30/08
Cobalt	7440-48-4	LA-505-411	U	< 4.00	ug/L			1.00	4.0		07/30/08
Copper	7440-50-8	LA-505-411	U	< 6.00	ug/L			1.00	6.0		07/30/08
Vanadium	7440-62-2	LA-505-411		14.9	ug/L			1.00	12		07/30/08
Zinc	7440-66-6	LA-505-411	U	< 9.00	ug/L			1.00	9.0		07/30/08
Calcium	7440-70-2	LA-505-411		6.34e+04	ug/L			1.00	73		07/30/08
Strontium	7440-24-6	LA-505-411		300	ug/L			1.00	4.0		07/30/08
Beryllium	7440-41-7	LA-505-411	U	< 4.00	ug/L			1.00	4.0		07/30/08

MDL=Minimum Detection Limit
RQ=Result Qualifier
TP Err=Total Propagated Error
DF=Dilution Factor
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B - The analyte < the RDL but > = the IDL/MDL (inorg)
J - Analyte < lowest calibration but > = MDL.(org)
U - Analyzed for but not detected above limiting criteria(inorg)
U - Analyzed for but not detected above limiting criteria.(org)

D - Analyte was identified at a secondary dilution factor(inorg)
N - Spike sample recovery is outside control limits.(inorg)
U - Analyzed for but not detected above limiting criteria.

WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: W08-006
Sample # W08P003000
Client ID: B1VN25 TRENT WSCF
Matrix: WATER

Group #: WSCF20081245
Department: Inorganic
Sampled: 06/22/08
Received: 06/23/08

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	D	0.408	mg/L			2.00	0.042		06/24/08
Chloride	16887-00-6	LA-533-410	D	14.9	mg/L			2.00	0.22		06/24/08
Nitrogen in Nitrite	NO2-N	LA-533-410	DU	< 0.0198	mg/L			2.00	0.020		06/24/08
Nitrogen in Nitrate	NO3-N	LA-533-410	D	14.5	mg/L			10.00	0.36		06/24/08
Sulfate	14808-79-8	LA-533-410	D	77.0	mg/L			2.00	0.15		06/24/08
ICP Metals Analysis, Grd H20 P Prep											**07/29/08**
ICP Metals Analysis, Grd H20 P											
Iron	7439-89-6	LA-505-411		272	ug/L			1.00	25		07/30/08
Magnesium	7439-95-4	LA-505-411		1.73e+04	ug/L			1.00	50		07/30/08
Manganese	7439-96-5	LA-505-411		7.60	ug/L			1.00	4.0		07/30/08
Nickel	7440-02-0	LA-505-411		28.2	ug/L			1.00	4.0		07/30/08
Potassium	7440-09-7	LA-505-411		5.63e+03	ug/L			1.00	1.7e+02		07/30/08
Silver	7440-22-4	LA-505-411	U	< 5.00	ug/L			1.00	5.0		07/30/08
Sodium	7440-23-5	LA-505-411		2.50e+04	ug/L			1.00	51		07/30/08
Antimony	7440-36-0	LA-505-411	U	< 56.0	ug/L			1.00	56		07/30/08
Barium	7440-39-3	LA-505-411		65.5	ug/L			1.00	4.0		07/30/08
Cadmium	7440-43-9	LA-505-411	U	< 4.00	ug/L			1.00	4.0		07/30/08
Chromium	7440-47-3	LA-505-411		51.3	ug/L			1.00	13		07/30/08
Cobalt	7440-48-4	LA-505-411	U	< 4.00	ug/L			1.00	4.0		07/30/08
Copper	7440-50-8	LA-505-411	U	< 6.00	ug/L			1.00	6.0		07/30/08
Vanadium	7440-62-2	LA-505-411		14.8	ug/L			1.00	12		07/30/08
Zinc	7440-66-6	LA-505-411	U	< 9.00	ug/L			1.00	9.0		07/30/08
Calcium	7440-70-2	LA-505-411		6.29e+04	ug/L			1.00	73		07/30/08
Strontium	7440-24-6	LA-505-411		298	ug/L			1.00	4.0		07/30/08

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

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J - Analyte < lowest calibration but > = MDL.(org)
U - Analyzed for but not detected above limiting criteria(inorg)
U - Analyzed for but not detected above limiting criteria.(org)

D - Analyte was identified at a secondary dilution factor(inorg)
N - Spike sample recovery is outside control limits.(inorg)
U - Analyzed for but not detected above limiting criteria.

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

WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: W08-006
Sample # W08P003000
Client ID: B1VN25 TRENT
Matrix: WATER

Group #: WSCF20081245
Department: Inorganic
Sampled: 06/22/08
Received: 06/23/08

WSCF

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
Beryllium	7440-41-7	LA-505-411	U	< 4.00	ug/L			1.00	4.0		07/30/08

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

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

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N - Spike sample recovery is outside control limits.(inorg)
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WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: W08-006
Sample # W08P003001
Client ID: B1VRF0 TRENT
Matrix: WATER

Group #: WSCF20081245
Department: Inorganic
Sampled: 06/22/08
Received: 06/23/08

WSCF

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
Cyanide											
Cyanide	57-12-5	LA-695-402	U	< 4.00	ug/L			1.00	4.0		06/24/08

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

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N - Spike sample recovery is outside control limits.(inorg)
U - Analyzed for but not detected above limiting criteria.

WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: W08-006
Sample # W08P003007
Client ID: B1VN69 TRENT WSCF
Matrix: WATER

Group #: WSCF20081245
Department: Inorganic
Sampled: 06/22/08
Received: 06/23/08

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
ICP Metals Analysis, Grd H20 P Prep											**07/29/08**
ICP Metals Analysis, Grd H20 P											
Iron	7439-89-6	LA-505-411	U	< 25.0	ug/L			1.00	25		07/30/08
Magnesium	7439-95-4	LA-505-411		1.70e+04	ug/L			1.00	50		07/30/08
Manganese	7439-96-5	LA-505-411	U	< 4.00	ug/L			1.00	4.0		07/30/08
Nickel	7440-02-0	LA-505-411	U	< 4.00	ug/L			1.00	4.0		07/30/08
Potassium	7440-09-7	LA-505-411		6.02e+03	ug/L			1.00	1.7e+02		07/30/08
Silver	7440-22-4	LA-505-411	U	< 5.00	ug/L			1.00	5.0		07/30/08
Sodium	7440-23-5	LA-505-411		2.47e+04	ug/L			1.00	51		07/30/08
Antimony	7440-36-0	LA-505-411	U	< 56.0	ug/L			1.00	56		07/30/08
Barium	7440-39-3	LA-505-411		59.2	ug/L			1.00	4.0		07/30/08
Cadmium	7440-43-9	LA-505-411	U	< 4.00	ug/L			1.00	4.0		07/30/08
Chromium	7440-47-3	LA-505-411	U	< 13.0	ug/L			1.00	13		07/30/08
Cobalt	7440-48-4	LA-505-411	U	< 4.00	ug/L			1.00	4.0		07/30/08
Copper	7440-50-8	LA-505-411	U	< 6.00	ug/L			1.00	6.0		07/30/08
Vanadium	7440-62-2	LA-505-411		13.2	ug/L			1.00	12		07/30/08
Zinc	7440-66-6	LA-505-411	U	< 9.00	ug/L			1.00	9.0		07/30/08
Calcium	7440-70-2	LA-505-411		6.01e+04	ug/L			1.00	73		07/30/08
Strontium	7440-24-6	LA-505-411		303	ug/L			1.00	4.0		07/30/08
Beryllium	7440-41-7	LA-505-411	U	< 4.00	ug/L			1.00	4.0		07/30/08

MDL = Minimum Detection Limit
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DF = Dilution Factor
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U - Analyzed for but not detected above limiting criteria.(org)

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U - Analyzed for but not detected above limiting criteria.

WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: W08-006
Sample # W08P003008
Client ID: B1VN70 TRENT
Matrix: WATER

Group #: WSCF20081245
Department: Inorganic
Sampled: 06/22/08
Received: 06/23/08

WSCF

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	D	0.389	mg/L			2.00	0.042		06/24/08
Chloride	16887-00-6	LA-533-410	D	13.8	mg/L			2.00	0.22		06/24/08
Nitrogen in Nitrite	NO2-N	LA-533-410	DU	< 0.0198	mg/L			2.00	0.020		06/24/08
Nitrogen in Nitrate	NO3-N	LA-533-410	D	15.1	mg/L			10.00	0.36		06/24/08
Sulfate	14808-79-8	LA-533-410	D	71.5	mg/L			2.00	0.15		06/24/08
ICP Metals Analysis, Grd H20 P Prep											**07/29/08**
ICP Metals Analysis, Grd H20 P											
Iron	7439-89-6	LA-505-411		243	ug/L			1.00	25		07/30/08
Magnesium	7439-95-4	LA-505-411		1.71e+04	ug/L			1.00	50		07/30/08
Manganese	7439-96-5	LA-505-411		7.10	ug/L			1.00	4.0		07/30/08
Nickel	7440-02-0	LA-505-411		30.2	ug/L			1.00	4.0		07/30/08
Potassium	7440-09-7	LA-505-411		6.03e+03	ug/L			1.00	1.7e+02		07/30/08
Silver	7440-22-4	LA-505-411	U	< 5.00	ug/L			1.00	5.0		07/30/08
Sodium	7440-23-5	LA-505-411		2.44e+04	ug/L			1.00	51		07/30/08
Antimony	7440-36-0	LA-505-411	U	< 56.0	ug/L			1.00	56		07/30/08
Barium	7440-39-3	LA-505-411		59.6	ug/L			1.00	4.0		07/30/08
Cadmium	7440-43-9	LA-505-411	U	< 4.00	ug/L			1.00	4.0		07/30/08
Chromium	7440-47-3	LA-505-411		54.7	ug/L			1.00	13		07/30/08
Cobalt	7440-48-4	LA-505-411	U	< 4.00	ug/L			1.00	4.0		07/30/08
Copper	7440-50-8	LA-505-411	U	< 6.00	ug/L			1.00	6.0		07/30/08
Vanadium	7440-62-2	LA-505-411		14.3	ug/L			1.00	12		07/30/08
Zinc	7440-66-6	LA-505-411	U	< 9.00	ug/L			1.00	9.0		07/30/08
Calcium	7440-70-2	LA-505-411		6.10e+04	ug/L			1.00	73		07/30/08
Strontium	7440-24-6	LA-505-411		306	ug/L			1.00	4.0		07/30/08

MDL = Minimum Detection Limit
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U - Analyzed for but not detected above limiting criteria.(org)

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

Attention: Steve Trent E6-35
SAF Number: W08-006
Sample # W08P003008
Client ID: B1VN70 TRENT **Matrix:** WATER

Group #: WSCF20081245
Department: Inorganic
Sampled: 06/22/08
Received: 06/23/08

WSCF

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
Beryllium	7440-41-7	LA-505-411	U	< 4.00	ug/L			1.00	4.0		07/30/08

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

D - Analyte was identified at a secondary dilution factor(inorg)
N - Spike sample recovery is outside control limits.(inorg)
U - Analyzed for but not detected above limiting criteria.

WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: W08-006
Sample # W08P003009
Client ID: B1VRF6 TRENT **Matrix:** WATER

Group #: WSCF20081245
Department: Inorganic
Sampled: 06/22/08
Received: 06/23/08

WSCF

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
Cyanide											
Cyanide	57-12-5	LA-695-402		6.70	ug/L			1.00	4.0		06/24/08

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

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WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: W08-006
Sample # W08P003010
Client ID: B1VN09 TRENT WSCF
Matrix: WATER

Group #: WSCF20081245
Department: Inorganic
Sampled: 06/22/08
Received: 06/23/08

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
ICP Metals Analysis, Grd H20 P Prep											**07/29/08**
ICP Metals Analysis, Grd H20 P											
Iron	7439-89-6	LA-505-411		31.6	ug/L			1.00	25		07/30/08
Magnesium	7439-95-4	LA-505-411		1.69e+04	ug/L			1.00	50		07/30/08
Manganese	7439-96-5	LA-505-411	U	< 4.00	ug/L			1.00	4.0		07/30/08
Nickel	7440-02-0	LA-505-411	U	< 4.00	ug/L			1.00	4.0		07/30/08
Potassium	7440-09-7	LA-505-411		5.85e+03	ug/L			1.00	1.7e+02		07/30/08
Silver	7440-22-4	LA-505-411	U	< 5.00	ug/L			1.00	5.0		07/30/08
Sodium	7440-23-5	LA-505-411		2.47e+04	ug/L			1.00	51		07/30/08
Antimony	7440-36-0	LA-505-411	U	< 56.0	ug/L			1.00	56		07/30/08
Barium	7440-39-3	LA-505-411		58.2	ug/L			1.00	4.0		07/30/08
Cadmium	7440-43-9	LA-505-411	U	< 4.00	ug/L			1.00	4.0		07/30/08
Chromium	7440-47-3	LA-505-411	U	< 13.0	ug/L			1.00	13		07/30/08
Cobalt	7440-48-4	LA-505-411	U	< 4.00	ug/L			1.00	4.0		07/30/08
Copper	7440-50-8	LA-505-411	U	< 6.00	ug/L			1.00	6.0		07/30/08
Vanadium	7440-62-2	LA-505-411		15.2	ug/L			1.00	12		07/30/08
Zinc	7440-66-6	LA-505-411	U	< 9.00	ug/L			1.00	9.0		07/30/08
Calcium	7440-70-2	LA-505-411		6.09e+04	ug/L			1.00	73		07/30/08
Strontium	7440-24-6	LA-505-411		298	ug/L			1.00	4.0		07/30/08
Beryllium	7440-41-7	LA-505-411	U	< 4.00	ug/L			1.00	4.0		07/30/08

MDL=Minimum Detection Limit
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U - Analyzed for but not detected above limiting criteria.(org)

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

Attention: Steve Trent E6-35
SAF Number: W08-006
Sample # W08P003011
Client ID: B1VN10 TRENT WSCF **Matrix:** WATER

Group #: WSCF20081245
Department: Inorganic
Sampled: 06/22/08
Received: 06/23/08

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	D	0.346	mg/L			2.00	0.042		06/24/08
Chloride	16887-00-6	LA-533-410	D	13.2	mg/L			2.00	0.22		06/24/08
Nitrogen in Nitrite	NO2-N	LA-533-410	DNU	< 0.0198	mg/L			2.00	0.020		06/24/08
Nitrogen in Nitrate	NO3-N	LA-533-410	D	14.9	mg/L			10.00	0.36		06/24/08
Sulfate	14808-79-8	LA-533-410	D	69.6	mg/L			2.00	0.15		06/24/08
ICP Metals Analysis, Grd H20 P Prep											**07/29/08**
ICP Metals Analysis, Grd H20 P											
Iron	7439-89-6	LA-505-411		136	ug/L			1.00	25		08/05/08
Magnesium	7439-95-4	LA-505-411		1.62e+04	ug/L			1.00	50		08/05/08
Manganese	7439-96-5	LA-505-411	U	< 4.00	ug/L			1.00	4.0		08/05/08
Nickel	7440-02-0	LA-505-411		10.1	ug/L			1.00	4.0		08/05/08
Potassium	7440-09-7	LA-505-411		6.65e+03	ug/L			1.00	1.7e+02		08/05/08
Silver	7440-22-4	LA-505-411	U	< 5.00	ug/L			1.00	5.0		08/05/08
Sodium	7440-23-5	LA-505-411		2.39e+04	ug/L			1.00	51		08/05/08
Antimony	7440-36-0	LA-505-411	U	< 56.0	ug/L			1.00	56		08/05/08
Barium	7440-39-3	LA-505-411		55.7	ug/L			1.00	4.0		08/05/08
Cadmium	7440-43-9	LA-505-411	U	< 4.00	ug/L			1.00	4.0		08/05/08
Chromium	7440-47-3	LA-505-411		19.0	ug/L			1.00	13		08/05/08
Cobalt	7440-48-4	LA-505-411	U	< 4.00	ug/L			1.00	4.0		08/05/08
Copper	7440-50-8	LA-505-411	U	< 6.00	ug/L			1.00	6.0		08/05/08
Vanadium	7440-62-2	LA-505-411		13.6	ug/L			1.00	12		08/05/08
Zinc	7440-66-6	LA-505-411	U	< 9.00	ug/L			1.00	9.0		08/05/08
Calcium	7440-70-2	LA-505-411		5.79e+04	ug/L			1.00	73		08/05/08
Strontium	7440-24-6	LA-505-411		284	ug/L			1.00	4.0		08/05/08

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)
J - Analyte < lowest calibration but > = MDL.(org)
U - Analyzed for but not detected above limiting criteria(inorg)
U - Analyzed for but not detected above limiting criteria.(org)

D - Analyte was identified at a secondary dilution factor(inorg)
N - Spike sample recovery is outside control limits.(inorg)
U - Analyzed for but not detected above limiting criteria.

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

WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: W08-006
Sample # W08P003011
Client ID: B1VN10 TRENT
Matrix: WATER

Group #: WSCF20081245
Department: Inorganic
Sampled: 06/22/08
Received: 06/23/08

WSCF

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
Beryllium	7440-41-7	LA-505-411	U	< 4.00	ug/L			1.00	4.0		08/05/08

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)
J - Analyte < lowest calibration but > = MDL.(org)
U - Analyzed for but not detected above limiting criteria(inorg)
U - Analyzed for but not detected above limiting criteria.(org)

D - Analyte was identified at a secondary dilution factor(inorg)
N - Spike sample recovery is outside control limits.(inorg)
U - Analyzed for but not detected above limiting criteria.

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

WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: W08-006
Sample # W08P003012
Client ID: B1VRD8 TRENT **Matrix:** WATER

Group #: WSCF20081245
Department: Inorganic
Sampled: 06/22/08
Received: 06/23/08

Test Performed	CAS #	WSCF Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
Cyanide											
Cyanide	57-12-5	LA-695-402		7.10	ug/L			1.00	4.0		06/30/08

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)
J - Analyte < lowest calibration but >= MDL.(org)
U - Analyzed for but not detected above limiting criteria(inorg)
U - Analyzed for but not detected above limiting criteria.(org)

D - Analyte was identified at a secondary dilution factor(inorg)
N - Spike sample recovery is outside control limits.(inorg)
U - Analyzed for but not detected above limiting criteria.

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

WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: W08-006
Sample # W08P003013
Client ID: B1VRL8 TRENT WSCF
Matrix: WATER

Group #: WSCF20081245
Department: Inorganic
Sampled: 06/22/08
Received: 06/23/08

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
ICP Metals Analysis, Grd H20 P Prep											**07/29/08**
ICP Metals Analysis, Grd H20 P											
Iron	7439-89-6	LA-505-411	U	< 25.0	ug/L			1.00	25		08/05/08
Magnesium	7439-95-4	LA-505-411		7.12e+03	ug/L			1.00	50		08/05/08
Manganese	7439-96-5	LA-505-411		5.80	ug/L			1.00	4.0		08/05/08
Nickel	7440-02-0	LA-505-411	U	< 4.00	ug/L			1.00	4.0		08/05/08
Potassium	7440-09-7	LA-505-411		3.76e+03	ug/L			1.00	1.7e+02		08/05/08
Silver	7440-22-4	LA-505-411		7.70	ug/L			1.00	5.0		08/05/08
Sodium	7440-23-5	LA-505-411		1.77e+04	ug/L			1.00	51		08/05/08
Antimony	7440-36-0	LA-505-411	U	< 56.0	ug/L			1.00	56		08/05/08
Barium	7440-39-3	LA-505-411		28.6	ug/L			1.00	4.0		08/05/08
Cadmium	7440-43-9	LA-505-411	U	< 4.00	ug/L			1.00	4.0		08/05/08
Chromium	7440-47-3	LA-505-411	U	< 13.0	ug/L			1.00	13		08/05/08
Cobalt	7440-48-4	LA-505-411		5.20	ug/L			1.00	4.0		08/05/08
Copper	7440-50-8	LA-505-411	U	< 6.00	ug/L			1.00	6.0		08/05/08
Vanadium	7440-62-2	LA-505-411		35.4	ug/L			1.00	12		08/05/08
Zinc	7440-66-6	LA-505-411	U	< 9.00	ug/L			1.00	9.0		08/05/08
Calcium	7440-70-2	LA-505-411		2.34e+04	ug/L			1.00	73		08/05/08
Strontium	7440-24-6	LA-505-411		95.0	ug/L			1.00	4.0		08/05/08
Beryllium	7440-41-7	LA-505-411	U	< 4.00	ug/L			1.00	4.0		08/05/08

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)
J - Analyte < lowest calibration but > = MDL.(org)
U - Analyzed for but not detected above limiting criteria(inorg)
U - Analyzed for but not detected above limiting criteria.(org)

D - Analyte was identified at a secondary dilution factor(inorg)
N - Spike sample recovery is outside control limits.(inorg)
U - Analyzed for but not detected above limiting criteria.

WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: W08-006
Sample # W08P003015
Client ID: B1VRL9 TRENT WSCF
Matrix: WATER

Group #: WSCF20081245
Department: Inorganic
Sampled: 06/22/08
Received: 06/23/08

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	D	0.354	mg/L			2.00	0.042		06/24/08
Chloride	16887-00-6	LA-533-410	D	4.77	mg/L			2.00	0.22		06/24/08
Nitrogen in Nitrite	NO2-N	LA-533-410	DU	< 0.0198	mg/L			2.00	0.020		06/24/08
Nitrogen in Nitrate	NO3-N	LA-533-410	D	1.41	mg/L			2.00	0.072		06/24/08
Sulfate	14808-79-8	LA-533-410	D	13.9	mg/L			2.00	0.15		06/24/08
ICP Metals Analysis, Grd H20 P Prep											**07/29/08**
ICP Metals Analysis, Grd H20 P											
Iron	7439-89-6	LA-505-411		213	ug/L			1.00	25		08/05/08
Magnesium	7439-95-4	LA-505-411		7.22e+03	ug/L			1.00	50		08/05/08
Manganese	7439-96-5	LA-505-411		6.20	ug/L			1.00	4.0		08/05/08
Nickel	7440-02-0	LA-505-411	U	< 4.00	ug/L			1.00	4.0		08/05/08
Potassium	7440-09-7	LA-505-411		3.83e+03	ug/L			1.00	1.7e+02		08/05/08
Silver	7440-22-4	LA-505-411	U	< 5.00	ug/L			1.00	5.0		08/05/08
Sodium	7440-23-5	LA-505-411		1.82e+04	ug/L			1.00	51		08/05/08
Antimony	7440-36-0	LA-505-411	U	< 56.0	ug/L			1.00	56		08/05/08
Barium	7440-39-3	LA-505-411		29.1	ug/L			1.00	4.0		08/05/08
Cadmium	7440-43-9	LA-505-411	U	< 4.00	ug/L			1.00	4.0		08/05/08
Chromium	7440-47-3	LA-505-411	U	< 13.0	ug/L			1.00	13		08/05/08
Cobalt	7440-48-4	LA-505-411	U	< 4.00	ug/L			1.00	4.0		08/05/08
Copper	7440-50-8	LA-505-411	U	< 6.00	ug/L			1.00	6.0		08/05/08
Vanadium	7440-62-2	LA-505-411		32.4	ug/L			1.00	12		08/05/08
Zinc	7440-66-6	LA-505-411	U	< 9.00	ug/L			1.00	9.0		08/05/08
Calcium	7440-70-2	LA-505-411		2.39e+04	ug/L			1.00	73		08/05/08
Strontium	7440-24-6	LA-505-411		95.7	ug/L			1.00	4.0		08/05/08

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)
J - Analyte < lowest calibration but > = MDL.(org)
U - Analyzed for but not detected above limiting criteria(inorg)
U - Analyzed for but not detected above limiting criteria.(org)
+ - Indicates more than six qualifier symbols

D - Analyte was identified at a secondary dilution factor(inorg)
N - Spike sample recovery is outside control limits.(inorg)
U - Analyzed for but not detected above limiting criteria.

WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: W08-006
Sample # W08P003015
Client ID: B1VRL9 TRENT WSCF
Matrix: WATER

Group #: WSCF20081245
Department: Inorganic
Sampled: 06/22/08
Received: 06/23/08

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
Beryllium	7440-41-7	LA-505-411	U	< 4.00	ug/L			1.00	4.0		08/05/08
Total Alkalinity as mg/L CaCO3											
Total Alkalinity as mg/L CaCO3	ALKALINITY	LA-531-411		97.0	mg/L			1.00	1.0		07/02/08

MDL = Minimum Detection Limit
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U - Analyzed for but not detected above limiting criteria(inorg)
U - Analyzed for but not detected above limiting criteria.(org)

D - Analyte was identified at a secondary dilution factor(inorg)
N - Spike sample recovery is outside control limits.(inorg)
U - Analyzed for but not detected above limiting criteria.

WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: W08-006
Sample # W08P003017
Client ID: B1VRM6 TRENT **Matrix:** WATER

Group #: WSCF20081245
Department: Inorganic
Sampled: 06/22/08
Received: 06/23/08

WSCF

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
ICP Metals Analysis, Grd H20 P Prep											**07/29/08**
ICP Metals Analysis, Grd H20 P											
Iron	7439-89-6	LA-505-411	U	< 25.0	ug/L			1.00	25		08/05/08
Magnesium	7439-95-4	LA-505-411		5.90e+03	ug/L			1.00	50		08/05/08
Manganese	7439-96-5	LA-505-411		5.90	ug/L			1.00	4.0		08/05/08
Nickel	7440-02-0	LA-505-411	U	< 4.00	ug/L			1.00	4.0		08/05/08
Potassium	7440-09-7	LA-505-411		2.96e+03	ug/L			1.00	1.7e+02		08/05/08
Silver	7440-22-4	LA-505-411	U	< 5.00	ug/L			1.00	5.0		08/05/08
Sodium	7440-23-5	LA-505-411		2.28e+04	ug/L			1.00	51		08/05/08
Antimony	7440-36-0	LA-505-411	U	< 56.0	ug/L			1.00	56		08/05/08
Barium	7440-39-3	LA-505-411		18.5	ug/L			1.00	4.0		08/05/08
Cadmium	7440-43-9	LA-505-411	U	< 4.00	ug/L			1.00	4.0		08/05/08
Chromium	7440-47-3	LA-505-411	U	< 13.0	ug/L			1.00	13		08/05/08
Cobalt	7440-48-4	LA-505-411	U	< 4.00	ug/L			1.00	4.0		08/05/08
Copper	7440-50-8	LA-505-411	U	< 6.00	ug/L			1.00	6.0		08/05/08
Vanadium	7440-62-2	LA-505-411		25.5	ug/L			1.00	12		08/05/08
Zinc	7440-66-6	LA-505-411	U	< 9.00	ug/L			1.00	9.0		08/05/08
Calcium	7440-70-2	LA-505-411		1.94e+04	ug/L			1.00	73		08/05/08
Strontium	7440-24-6	LA-505-411		74.5	ug/L			1.00	4.0		08/05/08
Beryllium	7440-41-7	LA-505-411	U	< 4.00	ug/L			1.00	4.0		08/05/08

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

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J - Analyte < lowest calibration but > = MDL.(org)
U - Analyzed for but not detected above limiting criteria(inorg)
U - Analyzed for but not detected above limiting criteria.(org)

D - Analyte was identified at a secondary dilution factor(inorg)
N - Spike sample recovery is outside control limits.(inorg)
U - Analyzed for but not detected above limiting criteria.

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WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: W08-006
Sample # W08P003019
Client ID: B1VRM7 TRENT **Matrix:** WATER

Group #: WSCF20081245
Department: Inorganic
Sampled: 06/22/08
Received: 06/23/08

WSCF

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	D	0.300	mg/L			2.00	0.042		06/24/08
Chloride	16887-00-6	LA-533-410	D	4.74	mg/L			2.00	0.22		06/24/08
Nitrogen in Nitrite	NO2-N	LA-533-410	DU	< 0.0198	mg/L			2.00	0.020		06/24/08
Nitrogen in Nitrate	NO3-N	LA-533-410	D	2.09	mg/L			2.00	0.072		06/24/08
Sulfate	14808-79-8	LA-533-410	D	14.0	mg/L			2.00	0.15		06/24/08
ICP Metals Analysis, Grd H20 P Prep											**07/29/08**
ICP Metals Analysis, Grd H20 P											
Iron	7439-89-6	LA-505-411		122	ug/L			1.00	25		08/05/08
Magnesium	7439-95-4	LA-505-411		6.02e+03	ug/L			1.00	50		08/05/08
Manganese	7439-96-5	LA-505-411	U	< 4.00	ug/L			1.00	4.0		08/05/08
Nickel	7440-02-0	LA-505-411		7.80	ug/L			1.00	4.0		08/05/08
Potassium	7440-09-7	LA-505-411		2.95e+03	ug/L			1.00	1.7e+02		08/05/08
Silver	7440-22-4	LA-505-411	U	< 5.00	ug/L			1.00	5.0		08/05/08
Sodium	7440-23-5	LA-505-411		2.29e+04	ug/L			1.00	51		08/05/08
Antimony	7440-36-0	LA-505-411	U	< 56.0	ug/L			1.00	56		08/05/08
Barium	7440-39-3	LA-505-411		19.5	ug/L			1.00	4.0		08/05/08
Cadmium	7440-43-9	LA-505-411	U	< 4.00	ug/L			1.00	4.0		08/05/08
Chromium	7440-47-3	LA-505-411		18.0	ug/L			1.00	13		08/05/08
Cobalt	7440-48-4	LA-505-411	U	< 4.00	ug/L			1.00	4.0		08/05/08
Copper	7440-50-8	LA-505-411	U	< 6.00	ug/L			1.00	6.0		08/05/08
Vanadium	7440-62-2	LA-505-411		30.3	ug/L			1.00	12		08/05/08
Zinc	7440-66-6	LA-505-411	U	< 9.00	ug/L			1.00	9.0		08/05/08
Calcium	7440-70-2	LA-505-411		1.96e+04	ug/L			1.00	73		08/05/08
Strontium	7440-24-6	LA-505-411		75.8	ug/L			1.00	4.0		08/05/08

MDL=Minimum Detection Limit
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J - Analyte < lowest calibration but > = MDL.(org)
U - Analyzed for but not detected above limiting criteria(inorg)
U - Analyzed for but not detected above limiting criteria.(org)

D - Analyte was identified at a secondary dilution factor(inorg)
N - Spike sample recovery is outside control limits.(inorg)
U - Analyzed for but not detected above limiting criteria.

WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: W08-006
Sample # W08P003019
Client ID: B1VRM7 TRENT **Matrix:** WATER

Group #: WSCF20081245
Department: Inorganic
Sampled: 06/22/08
Received: 06/23/08

WSCF

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
Beryllium	7440-41-7	LA-505-411	U	< 4.00	ug/L			1.00	4.0		08/05/08
Total Alkalinity as mg/L CaCO3											
Total Alkalinity as mg/L CaCO3	ALKALINITY	LA-531-411		93.0	mg/L			1.00	1.0		07/02/08

MDL = Minimum Detection Limit
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DF = Dilution Factor

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J - Analyte < lowest calibration but > = MDL.(org)
U - Analyzed for but not detected above limiting criteria(inorg)
U - Analyzed for but not detected above limiting criteria.(org)
D - Analyte was identified at a secondary dilution factor(inorg)
N - Spike sample recovery is outside control limits.(inorg)
U - Analyzed for but not detected above limiting criteria.

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WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: W08-006
Sample # W08P003021
Client ID: B1VPD2 TRENT
Matrix: WATER

Group #: WSCF20081245
Department: Inorganic
Sampled: 06/22/08
Received: 06/23/08

WSCF

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
ICP Metals Analysis, Grd H20 P Prep											**07/29/08**
ICP Metals Analysis, Grd H20 P											
Iron	7439-89-6	LA-505-411	U	< 25.0	ug/L			1.00	25		08/05/08
Magnesium	7439-95-4	LA-505-411		1.26e+04	ug/L			1.00	50		08/05/08
Manganese	7439-96-5	LA-505-411	U	< 4.00	ug/L			1.00	4.0		08/05/08
Nickel	7440-02-0	LA-505-411	U	< 4.00	ug/L			1.00	4.0		08/05/08
Potassium	7440-09-7	LA-505-411		4.70e+03	ug/L			1.00	1.7e+02		08/05/08
Silver	7440-22-4	LA-505-411	U	< 5.00	ug/L			1.00	5.0		08/05/08
Sodium	7440-23-5	LA-505-411		2.78e+04	ug/L			1.00	51		08/05/08
Antimony	7440-36-0	LA-505-411	U	< 56.0	ug/L			1.00	56		08/05/08
Barium	7440-39-3	LA-505-411		49.1	ug/L			1.00	4.0		08/05/08
Cadmium	7440-43-9	LA-505-411	U	< 4.00	ug/L			1.00	4.0		08/05/08
Chromium	7440-47-3	LA-505-411	U	< 13.0	ug/L			1.00	13		08/05/08
Cobalt	7440-48-4	LA-505-411	U	< 4.00	ug/L			1.00	4.0		08/05/08
Copper	7440-50-8	LA-505-411	U	< 6.00	ug/L			1.00	6.0		08/05/08
Vanadium	7440-62-2	LA-505-411		19.6	ug/L			1.00	12		08/05/08
Zinc	7440-66-6	LA-505-411	U	< 9.00	ug/L			1.00	9.0		08/05/08
Calcium	7440-70-2	LA-505-411		4.35e+04	ug/L			1.00	73		08/05/08
Strontium	7440-24-6	LA-505-411		175	ug/L			1.00	4.0		08/05/08
Beryllium	7440-41-7	LA-505-411	U	< 4.00	ug/L			1.00	4.0		08/05/08

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

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J - Analyte < lowest calibration but > = MDL.(org)
U - Analyzed for but not detected above limiting criteria(inorg)
U - Analyzed for but not detected above limiting criteria.(org)

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

Attention: Steve Trent E6-35
SAF Number: W08-006
Sample # W08P003025
Client ID: B1VPD3 TRENT **Matrix:** WATER

Group #: WSCF20081245
Department: Inorganic
Sampled: 06/22/08
Received: 06/23/08

WSCF

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	D	0.263	mg/L			2.00	0.042		06/24/08
Chloride	16887-00-6	LA-533-410	D	12.6	mg/L			2.00	0.22		06/24/08
Nitrogen in Nitrite	NO2-N	LA-533-410	DU	< 0.0198	mg/L			2.00	0.020		06/24/08
Nitrogen in Nitrate	NO3-N	LA-533-410	D	24.2	mg/L			10.00	0.36		06/24/08
Sulfate	14808-79-8	LA-533-410	D	26.1	mg/L			2.00	0.15		06/24/08
ICP Metals Analysis, Grd H20 P Prep											**07/29/08**
ICP Metals Analysis, Grd H20 P											
Iron	7439-89-6	LA-505-411		406	ug/L			1.00	25		08/05/08
Magnesium	7439-95-4	LA-505-411		1.28e+04	ug/L			1.00	50		08/05/08
Manganese	7439-96-5	LA-505-411		12.2	ug/L			1.00	4.0		08/05/08
Nickel	7440-02-0	LA-505-411	U	< 4.00	ug/L			1.00	4.0		08/05/08
Potassium	7440-09-7	LA-505-411		4.67e+03	ug/L			1.00	1.7e+02		08/05/08
Silver	7440-22-4	LA-505-411	U	< 5.00	ug/L			1.00	5.0		08/05/08
Sodium	7440-23-5	LA-505-411		2.76e+04	ug/L			1.00	51		08/05/08
Antimony	7440-36-0	LA-505-411	U	< 56.0	ug/L			1.00	56		08/05/08
Barium	7440-39-3	LA-505-411		53.6	ug/L			1.00	4.0		08/05/08
Cadmium	7440-43-9	LA-505-411	U	< 4.00	ug/L			1.00	4.0		08/05/08
Chromium	7440-47-3	LA-505-411	U	< 13.0	ug/L			1.00	13		08/05/08
Cobalt	7440-48-4	LA-505-411	U	< 4.00	ug/L			1.00	4.0		08/05/08
Copper	7440-50-8	LA-505-411	U	< 6.00	ug/L			1.00	6.0		08/05/08
Vanadium	7440-62-2	LA-505-411		24.3	ug/L			1.00	12		08/05/08
Zinc	7440-66-6	LA-505-411	U	< 9.00	ug/L			1.00	9.0		08/05/08
Calcium	7440-70-2	LA-505-411		4.44e+04	ug/L			1.00	73		08/05/08
Strontium	7440-24-6	LA-505-411		178	ug/L			1.00	4.0		08/05/08

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)
J - Analyte < lowest calibration but > = MDL.(org)
U - Analyzed for but not detected above limiting criteria(inorg)
U - Analyzed for but not detected above limiting criteria.(org)

D - Analyte was identified at a secondary dilution factor(inorg)
N - Spike sample recovery is outside control limits.(inorg)
U - Analyzed for but not detected above limiting criteria.

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

WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: W08-006
Sample # W08P003025
Client ID: B1VPD3 TRENT
Matrix: WATER

Group #: WSCF20081245
Department: Inorganic
Sampled: 06/22/08
Received: 06/23/08

WSCF

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
Beryllium	7440-41-7	LA-505-411	U	< 4.00	ug/L			1.00	4.0		08/05/08
Total Alkalinity as mg/L CaCO3											
Total Alkalinity as mg/L CaCO3	ALKALINITY	LA-531-411		91.0	mg/L			1.00	1.0		07/02/08

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)
J - Analyte < lowest calibration but > = MDL.(org)
U - Analyzed for but not detected above limiting criteria(inorg)
U - Analyzed for but not detected above limiting criteria.(org)

D - Analyte was identified at a secondary dilution factor(inorg)
N - Spike sample recovery is outside control limits.(inorg)
U - Analyzed for but not detected above limiting criteria.

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

WSCF ANALYTICAL LABORATORY QC REPORT

Department: Inorganic

SDG Number: WSCF20081245
Matrix: WATER
Test: Anions by Ion Chromatography

Sample Date: 06/22/08
Receive Date:06/23/08

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Lower Limit	Upper Limit	RPD(%)	RPD Limit	RQ	Analysis Date
Lab ID: W08P003019											
BATCH QC ASSOCIATED WITH SAMPLE											
DUP	Chloride	16887-00-6	4.7536		RPD			0.238	20.000		06/24/08
DUP	Fluoride	16984-48-8	0.3221		RPD			7.005	20.000		06/24/08
DUP	Nitrogen in Nitrite	NO2-N	<1.98e-2		RPD			n/a	20.000	U	06/24/08
DUP	Nitrogen in Nitrate	NO3-N	2.1017		RPD			0.372	20.000		06/24/08
DUP	Sulfate	14808-79-8	14.1037		RPD			0.395	20.000		06/24/08
MS	Chloride	16887-00-6	1.01055	101.563	% Recov	80.000	120.000				06/24/08
MS	Fluoride	16984-48-8	0.498	101.014	% Recov	80.000	120.000				06/24/08
MS	Nitrogen in Nitrite	NO2-N	0.44755	90.965	% Recov	80.000	120.000				06/24/08
MS	Nitrogen in Nitrate	NO3-N	0.4392	98.475	% Recov	80.000	120.000				06/24/08
MS	Sulfate	14808-79-8	1.8878	96.316	% Recov	80.000	120.000				06/24/08
MSD	Chloride	16887-00-6	1.01805	102.317	% Recov	80.000	120.000				06/24/08
MSD	Fluoride	16984-48-8	0.4954	100.487	% Recov	80.000	120.000				06/24/08
MSD	Nitrogen in Nitrite	NO2-N	0.4486	91.179	% Recov	80.000	120.000				06/24/08
MSD	Nitrogen in Nitrate	NO3-N	0.437	97.982	% Recov	80.000	120.000				06/24/08
MSD	Sulfate	14808-79-8	1.9178	97.847	% Recov	80.000	120.000				06/24/08
SPK-RPD	Chloride	16887-00-6	102.317		RPD			0.740	20.000		06/25/08
SPK-RPD	Fluoride	16984-48-8	100.487		RPD			0.523	20.000		06/25/08
SPK-RPD	Nitrogen in Nitrite	NO2-N	91.179		RPD			0.235	20.000		06/25/08
SPK-RPD	Nitrogen in Nitrate	NO3-N	97.982		RPD			0.502	20.000		06/25/08
SPK-RPD	Sulfate	14808-79-8	97.847		RPD			1.577	20.000		06/25/08
BATCH QC											
BLANK	Chloride	16887-00-6	<0.11	n/a	mg/L	0.000	0.030			U	06/25/08
BLANK	Chloride	16887-00-6	<0.11	n/a	mg/L	0.000	0.030			U	06/24/08
BLANK	Fluoride	16984-48-8	<2.1e-2	n/a	mg/L	0.000	0.030			U	06/25/08
BLANK	Fluoride	16984-48-8	<2.1e-2	n/a	mg/L	0.000	0.030			U	06/24/08

WSCF ANALYTICAL LABORATORY QC REPORT

Department: Inorganic

SDG Number: WSCF20081245
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	Nitrogen in Nitrite	NO2-N	<9.9e-3	n/a	mg/L	0.000	0.020			U	06/24/08
BLANK	Nitrogen in Nitrite	NO2-N	<9.9e-3	n/a	mg/L	0.000	0.020			U	06/25/08
BLANK	Nitrogen in Nitrate	NO3-N	<3.6e-2	n/a	mg/L	0.000	0.040			U	06/24/08
BLANK	Nitrogen in Nitrate	NO3-N	<3.6e-2	n/a	mg/L	0.000	0.040			U	06/25/08
BLANK	Sulfate	14808-79-8	<7.7e-2	n/a	mg/L	0.000	0.200			U	06/25/08
BLANK	Sulfate	14808-79-8	<7.7e-2	n/a	mg/L	0.000	0.200			U	06/24/08
LCS	Chloride	16887-00-6	196.273	97.648	% Recov	80.000	120.000				06/24/08
LCS	Fluoride	16984-48-8	101.9111	102.320	% Recov	80.000	120.000				06/24/08
LCS	Nitrogen in Nitrite	NO2-N	99.4347	100.035	% Recov	80.000	120.000				06/24/08
LCS	Nitrogen in Nitrate	NO3-N	90.8676	100.852	% Recov	80.000	120.000				06/24/08
LCS	Sulfate	14808-79-8	376.8956	95.176	% Recov	80.000	120.000				06/24/08
Lab ID: W08P002929											
BATCH QC ASSOCIATED WITH SAMPLE											
DUP	Chloride	16887-00-6	10.3561		RPD			0.269	20.000		06/24/08
DUP	Fluoride	16984-48-8	1.069		RPD			0.732	20.000		06/24/08
DUP	Nitrogen in Nitrite	NO2-N	<1.98e-2		RPD			n/a	20.000	U	06/24/08
DUP	Nitrogen in Nitrate	NO3-N	<7.2e-2		RPD			n/a	20.000	U	06/24/08
DUP	Sulfate	14808-79-8	<0.154		RPD			n/a	20.000	U	06/24/08
MS	Chloride	16887-00-6	0.9885	99.347	% Recov	80.000	120.000				06/24/08
MS	Fluoride	16984-48-8	0.52325	106.136	% Recov	80.000	120.000				06/24/08
MS	Nitrogen in Nitrite	NO2-N	0.49475	100.559	% Recov	80.000	120.000				06/24/08
MS	Nitrogen in Nitrate	NO3-N	0.43175	96.805	% Recov	80.000	120.000				06/24/08
MS	Sulfate	14808-79-8	1.7593	89.760	% Recov	80.000	120.000				06/24/08
MSD	Chloride	16887-00-6	0.9617	96.653	% Recov	80.000	120.000				06/24/08
MSD	Fluoride	16984-48-8	0.51735	104.939	% Recov	80.000	120.000				06/24/08
MSD	Nitrogen in Nitrite	NO2-N	0.48785	99.157	% Recov	80.000	120.000				06/24/08
MSD	Nitrogen in Nitrate	NO3-N	0.4318	96.816	% Recov	80.000	120.000				06/24/08
MSD	Sulfate	14808-79-8	1.7538	89.480	% Recov	80.000	120.000				06/24/08
SPK-RPD	Chloride	16887-00-6	96.653		RPD			2.749	20.000		06/24/08

WSCF ANALYTICAL LABORATORY QC REPORT

Department: Inorganic

SDG Number: WSCF20081245
Matrix: WATER
Test: Anions by Ion Chromatography

Sample Date: 06/22/08
Receive Date:06/23/08

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Lower Limit	Upper Limit	RPD(%)	RPD Limit	RQ	Analysis Date
SPK-RPD	Fluoride	16984-48-8	104.939		RPD			1.134	20.000		06/24/08
SPK-RPD	Nitrogen in Nitrite	NO2-N	99.157		RPD			1.404	20.000		06/24/08
SPK-RPD	Nitrogen in Nitrate	NO3-N	96.816		RPD			0.011	20.000		06/24/08
SPK-RPD	Sulfate	14808-79-8	89.480		RPD			0.312	20.000		06/24/08
Lab ID: W08P002958											
BATCH QC ASSOCIATED WITH SAMPLE											
DUP	Chloride	16887-00-6	1.0096		RPD			1.065	20.000		06/24/08
DUP	Fluoride	16984-48-8	5.03e-2		RPD			2.552	20.000		06/24/08
DUP	Nitrogen in Nitrite	NO2-N	<1.98e-2		RPD			n/a	20.000	U	06/24/08
DUP	Nitrogen in Nitrate	NO3-N	<7.2e-2		RPD			n/a	20.000	U	06/24/08
DUP	Sulfate	14808-79-8	7.5537		RPD			0.458	20.000		06/24/08
MS	Chloride	16887-00-6	0.90445	90.899	% Recov	80.000	120.000				06/24/08
MS	Fluoride	16984-48-8	0.49195	99.787	% Recov	80.000	120.000				06/24/08
MS	Nitrogen in Nitrite	NO2-N	0.4679	95.102	% Recov	80.000	120.000				06/24/08
MS	Nitrogen in Nitrate	NO3-N	0.44385	99.518	% Recov	80.000	120.000				06/24/08
MS	Sulfate	14808-79-8	1.8497	94.372	% Recov	80.000	120.000				06/24/08
MSD	Chloride	16887-00-6	0.9103	91.487	% Recov	80.000	120.000				06/24/08
MSD	Fluoride	16984-48-8	0.4958	100.568	% Recov	80.000	120.000				06/24/08
MSD	Nitrogen in Nitrite	NO2-N	0.4725	96.037	% Recov	80.000	120.000				06/24/08
MSD	Nitrogen in Nitrate	NO3-N	0.4519	101.323	% Recov	80.000	120.000				06/24/08
MSD	Sulfate	14808-79-8	1.8876	96.306	% Recov	80.000	120.000				06/24/08
SPK-RPD	Chloride	16887-00-6	91.487		RPD			0.645	20.000		06/24/08
SPK-RPD	Fluoride	16984-48-8	100.568		RPD			0.780	20.000		06/24/08
SPK-RPD	Nitrogen in Nitrite	NO2-N	96.037		RPD			0.978	20.000		06/24/08
SPK-RPD	Nitrogen in Nitrate	NO3-N	101.323		RPD			1.797	20.000		06/24/08
SPK-RPD	Sulfate	14808-79-8	96.306		RPD			2.029	20.000		06/24/08
BATCH QC											
BLANK	Chloride	16887-00-6	<0.11	n/a	mg/L	0.000	0.030			U	06/24/08

WSCF ANALYTICAL LABORATORY QC REPORT

Department: Inorganic

SDG Number: WSCF20081245
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	06/24/08
BLANK	Chloride	16887-00-6	<0.11	n/a	mg/L	0.000	0.030			U	06/24/08
BLANK	Fluoride	16984-48-8	<2.1e-2	n/a	mg/L	0.000	0.030			U	06/24/08
BLANK	Fluoride	16984-48-8	<2.1e-2	n/a	mg/L	0.000	0.030			U	06/24/08
BLANK	Fluoride	16984-48-8	<2.1e-2	n/a	mg/L	0.000	0.030			U	06/24/08
BLANK	Nitrogen in Nitrite	NO2-N	<9.9e-3	n/a	mg/L	0.000	0.020			U	06/24/08
BLANK	Nitrogen in Nitrite	NO2-N	<9.9e-3	n/a	mg/L	0.000	0.020			U	06/24/08
BLANK	Nitrogen in Nitrite	NO2-N	<9.9e-3	n/a	mg/L	0.000	0.020			U	06/24/08
BLANK	Nitrogen in Nitrate	NO3-N	<3.6e-2	n/a	mg/L	0.000	0.040			U	06/24/08
BLANK	Nitrogen in Nitrate	NO3-N	<3.6e-2	n/a	mg/L	0.000	0.040			U	06/24/08
BLANK	Nitrogen in Nitrate	NO3-N	<3.6e-2	n/a	mg/L	0.000	0.040			U	06/24/08
BLANK	Sulfate	14808-79-8	<7.7e-2	n/a	mg/L	0.000	0.200			U	06/24/08
BLANK	Sulfate	14808-79-8	<7.7e-2	n/a	mg/L	0.000	0.200			U	06/24/08
BLANK	Sulfate	14808-79-8	<7.7e-2	n/a	mg/L	0.000	0.200			U	06/24/08
LCS	Chloride	16887-00-6	194.6407	96.836	% Recov	80.000	120.000				06/24/08
LCS	Chloride	16887-00-6	195.0062	97.018	% Recov	80.000	120.000				06/24/08
LCS	Fluoride	16984-48-8	102	102.410	% Recov	80.000	120.000				06/24/08
LCS	Fluoride	16984-48-8	103.5136	103.929	% Recov	80.000	120.000				06/24/08
LCS	Nitrogen in Nitrite	NO2-N	99.1071	99.705	% Recov	80.000	120.000				06/24/08
LCS	Nitrogen in Nitrite	NO2-N	99.2788	99.878	% Recov	80.000	120.000				06/24/08
LCS	Nitrogen in Nitrate	NO3-N	91.1324	101.146	% Recov	80.000	120.000				06/24/08
LCS	Nitrogen in Nitrate	NO3-N	91.3258	101.360	% Recov	80.000	120.000				06/24/08
LCS	Sulfate	14808-79-8	374.2748	94.514	% Recov	80.000	120.000				06/24/08
LCS	Sulfate	14808-79-8	374.9861	94.693	% Recov	80.000	120.000				06/24/08

Lab ID: W08P002939
BATCH QC ASSOCIATED WITH SAMPLE

DUP	Chloride	16887-00-6	11.6461		RPD			2.152	20.000		06/24/08
DUP	Fluoride	16984-48-8	0.896		RPD			0.560	20.000		06/24/08
DUP	Nitrogen in Nitrite	NO2-N	<1.98e-2		RPD			n/a	20.000	U	06/24/08

WSCF ANALYTICAL LABORATORY QC REPORT

Department: Inorganic

SDG Number: WSCF20081245
Matrix: WATER
Test: Anions by Ion Chromatography

Sample Date: 06/22/08
Receive Date:06/23/08

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Lower Limit	Upper Limit	RPD(%)	RPD Limit	RQ	Analysis Date
DUP	Nitrogen in Nitrate	NO3-N	0.303		RPD			2.743	20.000		06/24/08
DUP	Sulfate	14808-79-8	24.1694		RPD			0.009	20.000		06/24/08
MS	Chloride	16887-00-6	0.8663	87.065	% Recov	80.000	120.000				06/24/08
MS	Fluoride	16984-48-8	0.5476	111.075	% Recov	80.000	120.000				06/24/08
MS	Nitrogen in Nitrite	NO2-N	0.3632	73.821	% Recov	80.000	120.000				06/24/08
MS	Nitrogen in Nitrate	NO3-N	0.4198	94.126	% Recov	80.000	120.000				06/24/08
MS	Sulfate	14808-79-8	1.84955	94.365	% Recov	80.000	120.000				06/24/08
MSD	Chloride	16887-00-6	0.87835	88.276	% Recov	80.000	120.000				06/24/08
MSD	Fluoride	16984-48-8	0.55365	112.302	% Recov	80.000	120.000				06/24/08
MSD	Nitrogen in Nitrite	NO2-N	0.39455	80.193	% Recov	80.000	120.000				06/24/08
MSD	Nitrogen in Nitrate	NO3-N	0.46535	104.339	% Recov	80.000	120.000				06/24/08
MSD	Sulfate	14808-79-8	1.874	95.612	% Recov	80.000	120.000				06/24/08
SPK-RPD	Chloride	16887-00-6	88.276		RPD			1.381	20.000		06/24/08
SPK-RPD	Fluoride	16984-48-8	112.302		RPD			1.099	20.000		06/24/08
SPK-RPD	Nitrogen in Nitrite	NO2-N	80.193		RPD			8.275	20.000		06/24/08
SPK-RPD	Nitrogen in Nitrate	NO3-N	104.339		RPD			10.292	20.000		06/24/08
SPK-RPD	Sulfate	14808-79-8	95.612		RPD			1.313	20.000		06/24/08
Lab ID: W08P003014											
BATCH QC ASSOCIATED WITH SAMPLE											
DUP	Chloride	16887-00-6	9.0409		RPD			0.211	20.000		06/24/08
DUP	Fluoride	16984-48-8	<4.2e-2		RPD			n/a	20.000	U	06/24/08
DUP	Nitrogen in Nitrite	NO2-N	0.1073		RPD			0.372	20.000		06/24/08
DUP	Nitrogen in Nitrate	NO3-N	0.8553		RPD			2.733	20.000		06/24/08
DUP	Sulfate	14808-79-8	9.8373		RPD			0.434	20.000		06/24/08
MS	Chloride	16887-00-6	0.87185	87.623	% Recov	80.000	120.000				06/24/08
MS	Fluoride	16984-48-8	0.5087	103.185	% Recov	80.000	120.000				06/24/08
MS	Nitrogen in Nitrite	NO2-N	0.4071	82.744	% Recov	80.000	120.000				06/24/08
MS	Nitrogen in Nitrate	NO3-N	0.4293	96.256	% Recov	80.000	120.000				06/24/08
MS	Sulfate	14808-79-8	1.9196	97.939	% Recov	80.000	120.000				06/24/08

WSCF ANALYTICAL LABORATORY QC REPORT

Department: Inorganic

SDG Number: WSCF20081245
Matrix: WATER
Test: Anions by Ion Chromatography

Sample Date: 06/23/08
Receive Date:06/23/08

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Lower Limit	Upper Limit	RPD(%)	RPD Limit	RQ	Analysis Date
MSD	Chloride	16887-00-6	0.8701	87.447	% Recov	80.000	120.000				06/24/08
MSD	Fluoride	16984-48-8	0.5023	101.886	% Recov	80.000	120.000				06/24/08
MSD	Nitrogen in Nitrite	NO2-N	0.4076	82.846	% Recov	80.000	120.000				06/24/08
MSD	Nitrogen in Nitrate	NO3-N	0.4458	99.955	% Recov	80.000	120.000				06/24/08
MSD	Sulfate	14808-79-8	1.93555	98.753	% Recov	80.000	120.000				06/24/08
SPK-RPD	Chloride	16887-00-6	87.447		RPD			0.201	20.000		06/24/08
SPK-RPD	Fluoride	16984-48-8	101.886		RPD			1.267	20.000		06/24/08
SPK-RPD	Nitrogen in Nitrite	NO2-N	80.193		RPD			3.131	20.000		06/24/08
SPK-RPD	Nitrogen in Nitrate	NO3-N	99.955		RPD			3.770	20.000		06/24/08
SPK-RPD	Sulfate	14808-79-8	98.753		RPD			0.828	20.000		06/24/08
BATCH QC											
BLANK	Chloride	16887-00-6	<0.11	n/a	mg/L	0.000	0.030			U	06/24/08
BLANK	Chloride	16887-00-6	<0.11	n/a	mg/L	0.000	0.030			U	06/24/08
BLANK	Chloride	16887-00-6	<0.11	n/a	mg/L	0.000	0.030			U	06/24/08
BLANK	Fluoride	16984-48-8	<2.1e-2	n/a	mg/L	0.000	0.030			U	06/24/08
BLANK	Fluoride	16984-48-8	<2.1e-2	n/a	mg/L	0.000	0.030			U	06/24/08
BLANK	Fluoride	16984-48-8	<2.1e-2	n/a	mg/L	0.000	0.030			U	06/24/08
BLANK	Nitrogen in Nitrite	NO2-N	<9.9e-3	n/a	mg/L	0.000	0.020			U	06/24/08
BLANK	Nitrogen in Nitrite	NO2-N	<9.9e-3	n/a	mg/L	0.000	0.020			U	06/24/08
BLANK	Nitrogen in Nitrite	NO2-N	<9.9e-3	n/a	mg/L	0.000	0.020			U	06/24/08
BLANK	Nitrogen in Nitrate	NO3-N	<3.6e-2	n/a	mg/L	0.000	0.040			U	06/24/08
BLANK	Nitrogen in Nitrate	NO3-N	<3.6e-2	n/a	mg/L	0.000	0.040			U	06/24/08
BLANK	Nitrogen in Nitrate	NO3-N	<3.6e-2	n/a	mg/L	0.000	0.040			U	06/24/08
BLANK	Sulfate	14808-79-8	<7.7e-2	n/a	mg/L	0.000	0.200			U	06/24/08
BLANK	Sulfate	14808-79-8	<7.7e-2	n/a	mg/L	0.000	0.200			U	06/24/08
BLANK	Sulfate	14808-79-8	<7.7e-2	n/a	mg/L	0.000	0.200			U	06/24/08
LCS	Chloride	16887-00-6	197.5556	98.286	% Recov	80.000	120.000				06/24/08
LCS	Chloride	16887-00-6	199.0488	99.029	% Recov	80.000	120.000				06/24/08
LCS	Fluoride	16984-48-8	106.2308	106.657	% Recov	80.000	120.000				06/24/08

WSCF ANALYTICAL LABORATORY QC REPORT

Department: Inorganic

SDG Number: WSCF20081245
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	Fluoride	16984-48-8	107.5642	107.996	% Recov	80.000	120.000				06/24/08
LCS	Nitrogen in Nitrite	NO2-N	100.4491	101.055	% Recov	80.000	120.000				06/24/08
LCS	Nitrogen in Nitrite	NO2-N	99.9764	100.580	% Recov	80.000	120.000				06/24/08
LCS	Nitrogen in Nitrate	NO3-N	91.2048	101.226	% Recov	80.000	120.000				06/24/08
LCS	Nitrogen in Nitrate	NO3-N	92.3204	102.464	% Recov	80.000	120.000				06/24/08
LCS	Sulfate	14808-79-8	397.5511	100.392	% Recov	80.000	120.000				06/24/08
LCS	Sulfate	14808-79-8	399.6611	100.925	% Recov	80.000	120.000				06/24/08

WSCF ANALYTICAL LABORATORY QC REPORT

Department: Inorganic

SDG Number: WSCF20081245
Matrix: WATER
Test: Cyanide by Midi/Spectrophotom

Sample Date: 06/11/08
Receive Date:06/11/08

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Lower Limit	Upper Limit	RPD(%)	RPD Limit	RQ	Analysis Date
Lab ID: W08P002871											
BATCH QC ASSOCIATED WITH SAMPLE											
MS	Cyanide by Midi/Spectrophotom	57-12-5	39	97.500	% Recov	75.000	125.000				06/24/08
MSD	Cyanide by Midi/Spectrophotom	57-12-5	37.9	94.750	% Recov	75.000	125.000				06/24/08
SPK-RPD	Cyanide by Midi/Spectrophotom	57-12-5	94.750		RPD			2.861	20.000		06/24/08
BATCH QC											
BLANK	Cyanide by Midi/Spectrophotom	57-12-5	< 4	n/a	ug/L	-4.000	4.000			U	06/24/08
LCS	Cyanide by Midi/Spectrophotom	57-12-5	48.7	97.400	% Recov	85.000	115.000				06/24/08
Lab ID: W08GR01833											
BATCH QC ASSOCIATED WITH SAMPLE											
MS	Cyanide by Midi/Spectrophotom	57-12-5	40.1	100.250	% Recov	75.000	125.000				06/30/08
MSD	Cyanide by Midi/Spectrophotom	57-12-5	41.2	103.000	% Recov	75.000	125.000				06/30/08
SPK-RPD	Cyanide by Midi/Spectrophotom	57-12-5	103.000		RPD			2.706	20.000		06/30/08
BATCH QC											
BLANK	Cyanide by Midi/Spectrophotom	57-12-5	< 4	n/a	ug/L	-4.000	4.000			U	06/30/08
LCS	Cyanide by Midi/Spectrophotom	57-12-5	50	100.000	% Recov	85.000	115.000				06/30/08

WSCF ANALYTICAL LABORATORY QC REPORT

Department: Inorganic

SDG Number: WSCF20081245
Matrix: WATER
Test: ICP Metals Analysis, Grd H20 P

Sample Date: 06/11/08
Receive Date:06/11/08

Lab ID: W08P002873
BATCH QC ASSOCIATED WITH SAMPLE

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Lower Limit	Upper Limit	RPD(%)	RPD Limit	RQ	Analysis Date
MS	Silver	7440-22-4	988	98.800	% Recov	75.000	125.000				07/22/08
MS	Barium	7440-39-3	486.8	97.360	% Recov	75.000	125.000				07/22/08
MS	Beryllium	7440-41-7	519.1	103.820	% Recov	75.000	125.000				07/22/08
MS	Calcium	7440-70-2	-270	-27.000	% Recov	75.000	125.000			•	07/22/08
MS	Cadmium	7440-43-9	999.7	99.970	% Recov	75.000	125.000				07/22/08
MS	Cobalt	7440-48-4	996.7	99.670	% Recov	75.000	125.000				07/22/08
MS	Chromium	7440-47-3	978	97.800	% Recov	75.000	125.000				07/22/08
MS	Copper	7440-50-8	993.9	99.390	% Recov	75.000	125.000				07/22/08
MS	Iron	7439-89-6	969	96.900	% Recov	75.000	125.000				07/22/08
MS	Potassium	7440-09-7	10028	100.280	% Recov	75.000	125.000				07/22/08
MS	Magnesium	7439-95-4	700	70.000	% Recov	75.000	125.000			•	07/22/08
MS	Mangenese	7439-96-5	1006	100.600	% Recov	75.000	125.000				07/22/08
MS	Sodium	7440-23-5	900	90.000	% Recov	75.000	125.000				07/22/08
MS	Nickel	7440-02-0	983.2	98.320	% Recov	75.000	125.000				07/22/08
MS	Antimony	7440-36-0	1023	102.300	% Recov	75.000	125.000				07/22/08
MS	Strontium	7440-24-6	502.3	100.460	% Recov	75.000	125.000				07/22/08
MS	Vanadium	7440-62-2	986.2	98.620	% Recov	75.000	125.000				07/22/08
MS	Zinc	7440-66-6	1001	100.100	% Recov	75.000	125.000				07/22/08
MSD	Silver	7440-22-4	1001	100.100	% Recov	75.000	125.000				07/22/08
MSD	Barium	7440-39-3	492.9	98.580	% Recov	75.000	125.000				07/22/08
MSD	Beryllium	7440-41-7	529.9	105.980	% Recov	75.000	125.000				07/22/08
MSD	Calcium	7440-70-2	2380	238.000	% Recov	75.000	125.000			•	07/22/08
MSD	Cadmium	7440-43-9	1021	102.100	% Recov	75.000	125.000				07/22/08
MSD	Cobalt	7440-48-4	1038	103.800	% Recov	75.000	125.000				07/22/08
MSD	Chromium	7440-47-3	1028.7	102.870	% Recov	75.000	125.000				07/22/08
MSD	Copper	7440-50-8	991.9	99.190	% Recov	75.000	125.000				07/22/08

WSCF ANALYTICAL LABORATORY QC REPORT

Department: Inorganic

SDG Number: WSCF20081245
Matrix: WATER
Test: ICP Metals Analysis, Grd H20 P

Sample Date: 06/11/08
Receive Date:06/11/08

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Lower Limit	Upper Limit	RPD(%)	RPD Limit	RQ	Analysis Date
MSD	Iron	7439-89-6	1008	100.800	% Recov	75.000	125.000				07/22/08
MSD	Potassium	7440-09-7	9928	99.280	% Recov	75.000	125.000				07/22/08
MSD	Magnesium	7439-95-4	780	78.000	% Recov	75.000	125.000				07/22/08
MSD	Manganese	7439-96-5	1048	104.800	% Recov	75.000	125.000				07/22/08
MSD	Sodium	7440-23-5	550	55.000	% Recov	75.000	125.000			•	07/22/08
MSD	Nickel	7440-02-0	1014.5	101.450	% Recov	75.000	125.000				07/22/08
MSD	Antimony	7440-36-0	1055	105.500	% Recov	75.000	125.000				07/22/08
MSD	Strontium	7440-24-6	515.5	103.100	% Recov	75.000	125.000				07/22/08
MSD	Vanadium	7440-62-2	1024	102.400	% Recov	75.000	125.000				07/22/08
MSD	Zinc	7440-66-6	1015	101.500	% Recov	75.000	125.000				07/22/08
SPK-RPD	Silver	7440-22-4	100.100		RPD			1.307	20.000		07/22/08
SPK-RPD	Barium	7440-39-3	98.580		RPD			1.245	20.000		07/22/08
SPK-RPD	Beryllium	7440-41-7	105.980		RPD			2.059	20.000		07/22/08
SPK-RPD	Calcium	7440-70-2	238.000		RPD			251.185	20.000	•	07/22/08
SPK-RPD	Cadmium	7440-43-9	102.100		RPD			2.108	20.000		07/22/08
SPK-RPD	Cobalt	7440-48-4	103.800		RPD			4.060	20.000		07/22/08
SPK-RPD	Chromium	7440-47-3	102.870		RPD			5.053	20.000		07/22/08
SPK-RPD	Copper	7440-50-8	99.190		RPD			0.201	20.000		07/22/08
SPK-RPD	Iron	7439-89-6	100.800		RPD			3.945	20.000		07/22/08
SPK-RPD	Potassium	7440-09-7	99.280		RPD			1.002	20.000		07/22/08
SPK-RPD	Magnesium	7439-95-4	78.000		RPD			10.811	20.000		07/22/08
SPK-RPD	Manganese	7439-96-5	104.800		RPD			4.090	20.000		07/22/08
SPK-RPD	Sodium	7440-23-5	55.000		RPD			48.276	20.000	•	07/22/08
SPK-RPD	Nickel	7440-02-0	101.450		RPD			3.134	20.000		07/22/08
SPK-RPD	Antimony	7440-36-0	105.500		RPD			3.080	20.000		07/22/08
SPK-RPD	Strontium	7440-24-6	103.100		RPD			2.594	20.000		07/22/08
SPK-RPD	Vanadium	7440-62-2	102.400		RPD			3.761	20.000		07/22/08
SPK-RPD	Zinc	7440-66-6	101.500		RPD			1.389	20.000		07/22/08

WSCF ANALYTICAL LABORATORY QC REPORT

Department: Inorganic

SDG Number: WSCF20081245
Matrix: WATER
Test: ICP Metals Analysis, Grd H20 P

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	Silver	7440-22-4	<5	n/a	ug/L					U	07/22/08
BLANK	Barium	7440-39-3	<4	n/a	ug/L					U	07/22/08
BLANK	Beryllium	7440-41-7	<4	n/a	ug/L					U	07/22/08
BLANK	Calcium	7440-70-2	<73	n/a	ug/L					U	07/22/08
BLANK	Cadmium	7440-43-9	<4	n/a	ug/L					U	07/22/08
BLANK	Cobalt	7440-48-4	<4	n/a	ug/L					U	07/22/08
BLANK	Chromium	7440-47-3	<13	n/a	ug/L					U	07/22/08
BLANK	Copper	7440-50-8	<6	n/a	ug/L					U	07/22/08
BLANK	Iron	7439-89-6	<25	n/a	ug/L					U	07/22/08
BLANK	Potassium	7440-09-7	<170	n/a	ug/L					U	07/22/08
BLANK	Magnesium	7439-95-4	<50	n/a	ug/L					U	07/22/08
BLANK	Manganese	7439-96-5	<4	n/a	ug/L					U	07/22/08
BLANK	Sodium	7440-23-5	<51	n/a	ug/L					U	07/22/08
BLANK	Nickel	7440-02-0	<4	n/a	ug/L					U	07/22/08
BLANK	Antimony	7440-36-0	<56	n/a	ug/L					U	07/22/08
BLANK	Strontium	7440-24-6	<4	n/a	ug/L					U	07/22/08
BLANK	Vanadium	7440-62-2	<12	n/a	ug/L					U	07/22/08
BLANK	Zinc	7440-66-6	<9	n/a	ug/L					U	07/22/08
LCS	Silver	7440-22-4	989.4	98.940	% Recov	80.000	120.000				07/22/08
LCS	Barium	7440-39-3	482	96.400	% Recov	80.000	120.000				07/22/08
LCS	Beryllium	7440-41-7	531.8	106.360	% Recov	80.000	120.000				07/22/08
LCS	Calcium	7440-70-2	1109	110.900	% Recov	80.000	120.000				07/22/08
LCS	Cadmium	7440-43-9	1029	102.900	% Recov	80.000	120.000				07/22/08
LCS	Cobalt	7440-48-4	1026	102.600	% Recov	80.000	120.000				07/22/08
LCS	Chromium	7440-47-3	963	96.300	% Recov	80.000	120.000				07/22/08
LCS	Copper	7440-50-8	992.1	99.210	% Recov	80.000	120.000				07/22/08
LCS	Iron	7439-89-6	1002	100.200	% Recov	80.000	120.000				07/22/08
LCS	Potassium	7440-09-7	10420	104.200	% Recov	80.000	120.000				07/22/08

WSCF ANALYTICAL LABORATORY QC REPORT

Department: Inorganic

SDG Number: WSCF20081245
Matrix: WATER
Test: ICP Metals Analysis, Grd H20 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	Magnesium	7439-95-4	964.5	96.450	% Recov	80.000	120.000				07/22/08
LCS	Manganese	7439-96-5	1007	100.700	% Recov	80.000	120.000				07/22/08
LCS	Sodium	7440-23-5	1014	101.400	% Recov	80.000	120.000				07/22/08
LCS	Nickel	7440-02-0	1029	102.900	% Recov	80.000	120.000				07/22/08
LCS	Antimony	7440-36-0	1056	105.600	% Recov	80.000	120.000				07/22/08
LCS	Strontium	7440-24-6	493.7	98.740	% Recov	80.000	120.000				07/22/08
LCS	Vanadium	7440-62-2	982.3	98.230	% Recov	80.000	120.000				07/22/08
LCS	Zinc	7440-66-6	1018	101.800	% Recov	80.000	120.000				07/22/08
Lab ID: W08P002937											
BATCH QC ASSOCIATED WITH SAMPLE											
MS	Silver	7440-22-4	1032	103.200	% Recov	75.000	125.000				07/30/08
MS	Barium	7440-39-3	518.7	103.740	% Recov	75.000	125.000				07/30/08
MS	Beryllium	7440-41-7	559.8	111.960	% Recov	75.000	125.000				07/30/08
MS	Calcium	7440-70-2	930	93.000	% Recov	75.000	125.000				07/30/08
MS	Cadmium	7440-43-9	1035	103.500	% Recov	75.000	125.000				07/30/08
MS	Cobalt	7440-48-4	993.8	99.380	% Recov	75.000	125.000				07/30/08
MS	Chromium	7440-47-3	1040	104.000	% Recov	75.000	125.000				07/30/08
MS	Copper	7440-50-8	1025	102.500	% Recov	75.000	125.000				07/30/08
MS	Iron	7439-89-6	994.5	99.450	% Recov	75.000	125.000				07/30/08
MS	Potassium	7440-09-7	9182	91.820	% Recov	75.000	125.000				07/30/08
MS	Magnesium	7439-95-4	990	99.000	% Recov	75.000	125.000				07/30/08
MS	Manganese	7439-96-5	1052	105.200	% Recov	75.000	125.000				07/30/08
MS	Sodium	7440-23-5	2260	226.000	% Recov	75.000	125.000				07/30/08
MS	Nickel	7440-02-0	1022	102.200	% Recov	75.000	125.000				07/30/08
MS	Antimony	7440-36-0	1026	102.600	% Recov	75.000	125.000				07/30/08
MS	Strontium	7440-24-6	531.4	106.280	% Recov	75.000	125.000				07/30/08
MS	Vanadium	7440-62-2	1026	102.600	% Recov	75.000	125.000				07/30/08
MS	Zinc	7440-66-6	1098	109.800	% Recov	75.000	125.000				07/30/08
MSD	Silver	7440-22-4	1032	103.200	% Recov	75.000	125.000				07/30/08

WSCF ANALYTICAL LABORATORY QC REPORT

Department: Inorganic

SDG Number: WSCF20081245
Matrix: WATER
Test: ICP Metals Analysis, Grd H20 P

Sample Date: 06/22/08
Receive Date:06/23/08

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Lower Limit	Upper Limit	RPD(%)	RPD Limit	RQ	Analysis Date
MSD	Barium	7440-39-3	519.8	103.960	% Recov	75.000	125.000				07/30/08
MSD	Beryllium	7440-41-7	558	111.600	% Recov	75.000	125.000				07/30/08
MSD	Calcium	7440-70-2	980	98.000	% Recov	75.000	125.000				07/30/08
MSD	Cadmium	7440-43-9	1038	103.800	% Recov	75.000	125.000				07/30/08
MSD	Cobalt	7440-48-4	992.9	99.290	% Recov	75.000	125.000				07/30/08
MSD	Chromium	7440-47-3	1040	104.000	% Recov	75.000	125.000				07/30/08
MSD	Copper	7440-50-8	1023	102.300	% Recov	75.000	125.000				07/30/08
MSD	Iron	7439-89-6	991.5	99.150	% Recov	75.000	125.000				07/30/08
MSD	Potassium	7440-09-7	9152	91.520	% Recov	75.000	125.000				07/30/08
MSD	Magnesium	7439-95-4	996	99.600	% Recov	75.000	125.000				07/30/08
MSD	Manganese	7439-96-5	1053	105.300	% Recov	75.000	125.000				07/30/08
MSD	Sodium	7440-23-5	1420	142.000	% Recov	75.000	125.000			•	07/30/08
MSD	Nickel	7440-02-0	1027	102.700	% Recov	75.000	125.000				07/30/08
MSD	Antimony	7440-36-0	1037	103.700	% Recov	75.000	125.000				07/30/08
MSD	Strontium	7440-24-6	531.2	106.240	% Recov	75.000	125.000				07/30/08
MSD	Vanadium	7440-62-2	1027	102.700	% Recov	75.000	125.000				07/30/08
MSD	Zinc	7440-66-6	1098	109.800	% Recov	75.000	125.000				07/30/08
SPK-RPD	Silver	7440-22-4	103.200		RPD			0.000	20.000		07/30/08
SPK-RPD	Barium	7440-39-3	103.960		RPD			0.212	20.000		07/30/08
SPK-RPD	Beryllium	7440-41-7	111.600		RPD			0.322	20.000		07/30/08
SPK-RPD	Calcium	7440-70-2	98.000		RPD			5.236	20.000		07/30/08
SPK-RPD	Cadmium	7440-43-9	103.800		RPD			0.289	20.000		07/30/08
SPK-RPD	Cobalt	7440-48-4	99.290		RPD			0.091	20.000		07/30/08
SPK-RPD	Chromium	7440-47-3	104.000		RPD			0.000	20.000		07/30/08
SPK-RPD	Copper	7440-50-8	102.300		RPD			0.195	20.000		07/30/08
SPK-RPD	Iron	7439-89-6	99.150		RPD			0.302	20.000		07/30/08
SPK-RPD	Potassium	7440-09-7	91.520		RPD			0.327	20.000		07/30/08
SPK-RPD	Magnesium	7439-95-4	99.600		RPD			0.604	20.000		07/30/08
SPK-RPD	Manganese	7439-96-5	105.300		RPD			0.095	20.000		07/30/08
SPK-RPD	Sodium	7440-23-5	142.000		RPD			45.652	20.000	•	07/30/08

WSCF ANALYTICAL LABORATORY QC REPORT

Department: Inorganic

SDG Number: WSCF20081245
Matrix: WATER
Test: ICP Metals Analysis, Grd H20 P

Sample Date: 06/22/08
Receive Date:06/23/08

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Lower Limit	Upper Limit	RPD(%)	RPD Limit	RQ	Analysis Date
SPK-RPD	Nickel	7440-02-0	102.700		RPD			0.488	20.000		07/30/08
SPK-RPD	Antimony	7440-36-0	103.700		RPD			1.066	20.000		07/30/08
SPK-RPD	Strontium	7440-24-6	106.240		RPD			0.038	20.000		07/30/08
SPK-RPD	Vanadium	7440-62-2	102.700		RPD			0.097	20.000		07/30/08
SPK-RPD	Zinc	7440-66-6	109.800		RPD			0.000	20.000		07/30/08
BATCH QC											
BLANK	Silver	7440-22-4	<5	n/a	ug/L					U	07/30/08
BLANK	Barium	7440-39-3	<4	n/a	ug/L					U	07/30/08
BLANK	Beryllium	7440-41-7	<4	n/a	ug/L					U	07/30/08
BLANK	Calcium	7440-70-2	<73	n/a	ug/L					U	07/30/08
BLANK	Cadmium	7440-43-9	<4	n/a	ug/L					U	07/30/08
BLANK	Cobalt	7440-48-4	<4	n/a	ug/L					U	07/30/08
BLANK	Chromium	7440-47-3	<13	n/a	ug/L					U	07/30/08
BLANK	Copper	7440-50-8	<6	n/a	ug/L					U	07/30/08
BLANK	Iron	7439-89-6	<25	n/a	ug/L					U	07/30/08
BLANK	Potassium	7440-09-7	<170	n/a	ug/L					U	07/30/08
BLANK	Magnesium	7439-95-4	<50	n/a	ug/L					U	07/30/08
BLANK	Manganese	7439-96-5	<4	n/a	ug/L					U	07/30/08
BLANK	Sodium	7440-23-5	<51	n/a	ug/L					U	07/30/08
BLANK	Nickel	7440-02-0	<4	n/a	ug/L					U	07/30/08
BLANK	Antimony	7440-36-0	<56	n/a	ug/L					U	07/30/08
BLANK	Strontium	7440-24-6	<4	n/a	ug/L					U	07/30/08
BLANK	Vanadium	7440-62-2	<12	n/a	ug/L					U	07/30/08
BLANK	Zinc	7440-66-6	<9	n/a	ug/L					U	07/30/08
LCS	Silver	7440-22-4	1043	104.300	% Recov	80.000	120.000				07/30/08
LCS	Barium	7440-39-3	528.5	105.700	% Recov	80.000	120.000				07/30/08
LCS	Beryllium	7440-41-7	572.3	114.460	% Recov	80.000	120.000				07/30/08
LCS	Calcium	7440-70-2	1023	102.300	% Recov	80.000	120.000				07/30/08
LCS	Cadmium	7440-43-9	1056	105.600	% Recov	80.000	120.000				07/30/08

WSCF ANALYTICAL LABORATORY QC REPORT

Department: Inorganic

SDG Number: WSCF20081245
Matrix: WATER
Test: ICP Metals Analysis, Grd H20 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	Cobalt	7440-48-4	1023	102.300	% Recov	80.000	120.000				07/30/08
LCS	Chromium	7440-47-3	1046	104.600	% Recov	80.000	120.000				07/30/08
LCS	Copper	7440-50-8	1050	105.000	% Recov	80.000	120.000				07/30/08
LCS	Iron	7439-89-6	1029	102.900	% Recov	80.000	120.000				07/30/08
LCS	Potassium	7440-09-7	10320	103.200	% Recov	80.000	120.000				07/30/08
LCS	Magnesium	7439-95-4	1067	106.700	% Recov	80.000	120.000				07/30/08
LCS	Manganese	7439-96-5	1057	105.700	% Recov	80.000	120.000				07/30/08
LCS	Sodium	7440-23-5	1132	113.200	% Recov	80.000	120.000				07/30/08
LCS	Nickel	7440-02-0	1050	105.000	% Recov	80.000	120.000				07/30/08
LCS	Antimony	7440-36-0	1072	107.200	% Recov	80.000	120.000				07/30/08
LCS	Strontium	7440-24-6	539.4	107.880	% Recov	80.000	120.000				07/30/08
LCS	Vanadium	7440-62-2	1041	104.100	% Recov	80.000	120.000				07/30/08
LCS	Zinc	7440-66-6	1120	112.000	% Recov	80.000	120.000				07/30/08
Lab ID: W08P003011											
BATCH QC ASSOCIATED WITH SAMPLE											
MS	Silver	7440-22-4	1000	100.000	% Recov	75.000	125.000				08/05/08
MS	Barium	7440-39-3	494.4	98.880	% Recov	75.000	125.000				08/05/08
MS	Beryllium	7440-41-7	520.6	104.120	% Recov	75.000	125.000				08/05/08
MS	Calcium	7440-70-2	2210	221.000	% Recov	75.000	125.000				08/05/08
MS	Cadmium	7440-43-9	1017	101.700	% Recov	75.000	125.000				08/05/08
MS	Cobalt	7440-48-4	1032	103.200	% Recov	75.000	125.000				08/05/08
MS	Chromium	7440-47-3	1028	102.800	% Recov	75.000	125.000				08/05/08
MS	Copper	7440-50-8	1007	100.700	% Recov	75.000	125.000				08/05/08
MS	Iron	7439-89-6	998.2	99.820	% Recov	75.000	125.000				08/05/08
MS	Potassium	7440-09-7	10273	102.730	% Recov	75.000	125.000				08/05/08
MS	Magnesium	7439-95-4	860	86.000	% Recov	75.000	125.000				08/05/08
MS	Manganese	7439-96-5	1026	102.600	% Recov	75.000	125.000				08/05/08
MS	Sodium	7440-23-5	1040	104.000	% Recov	75.000	125.000				08/05/08
MS	Nickel	7440-02-0	993.9	99.390	% Recov	75.000	125.000				08/05/08

WSCF ANALYTICAL LABORATORY QC REPORT

Department: Inorganic

SDG Number: WSCF20081245
Matrix: WATER
Test: ICP Metals Analysis, Grd H20 P

Sample Date: 06/22/08
Receive Date:06/23/08

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Lower Limit	Upper Limit	RPD(%)	RPD Limit	RQ	Analysis Date
MS	Antimony	7440-36-0	1025	102.500	% Recov	75.000	125.000				08/05/08
MS	Strontium	7440-24-6	526.2	105.240	% Recov	75.000	125.000				08/05/08
MS	Vanadium	7440-62-2	997.4	99.740	% Recov	75.000	125.000				08/05/08
MS	Zinc	7440-66-6	1025	102.500	% Recov	75.000	125.000				08/05/08
MSD	Silver	7440-22-4	979.4	97.940	% Recov	75.000	125.000				08/05/08
MSD	Barium	7440-39-3	483	96.600	% Recov	75.000	125.000				08/05/08
MSD	Beryllium	7440-41-7	510.4	102.080	% Recov	75.000	125.000				08/05/08
MSD	Calcium	7440-70-2	1310	131.000	% Recov	75.000	125.000			•	08/05/08
MSD	Cadmium	7440-43-9	994.4	99.440	% Recov	75.000	125.000				08/05/08
MSD	Cobalt	7440-48-4	1011	101.100	% Recov	75.000	125.000				08/05/08
MSD	Chromium	7440-47-3	1002	100.200	% Recov	75.000	125.000				08/05/08
MSD	Copper	7440-50-8	984.9	98.490	% Recov	75.000	125.000				08/05/08
MSD	Iron	7439-89-6	978.2	97.820	% Recov	75.000	125.000				08/05/08
MSD	Potassium	7440-09-7	10143	101.430	% Recov	75.000	125.000				08/05/08
MSD	Magnesium	7439-95-4	720	72.000	% Recov	75.000	125.000			•	08/05/08
MSD	Manganese	7439-96-5	1008	100.800	% Recov	75.000	125.000				08/05/08
MSD	Sodium	7440-23-5	780	78.000	% Recov	75.000	125.000				08/05/08
MSD	Nickel	7440-02-0	972.7	97.270	% Recov	75.000	125.000				08/05/08
MSD	Antimony	7440-36-0	1007	100.700	% Recov	75.000	125.000				08/05/08
MSD	Strontium	7440-24-6	514	102.800	% Recov	75.000	125.000				08/05/08
MSD	Vanadium	7440-62-2	972.4	97.240	% Recov	75.000	125.000				08/05/08
MSD	Zinc	7440-66-6	983.6	98.360	% Recov	75.000	125.000				08/05/08
SPK-RPD	Silver	7440-22-4	97.940		RPD			2.081	20.000		08/05/08
SPK-RPD	Barium	7440-39-3	96.600		RPD			2.333	20.000		08/05/08
SPK-RPD	Beryllium	7440-41-7	102.080		RPD			1.979	20.000		08/05/08
SPK-RPD	Calcium	7440-70-2	131.000		RPD			51.136	20.000	•	08/05/08
SPK-RPD	Cadmium	7440-43-9	99.440		RPD			2.247	20.000		08/05/08
SPK-RPD	Cobalt	7440-48-4	101.100		RPD			2.056	20.000		08/05/08
SPK-RPD	Chromium	7440-47-3	100.200		RPD			2.562	20.000		08/05/08
SPK-RPD	Copper	7440-50-8	98.490		RPD			2.219	20.000		08/05/08

WSCF ANALYTICAL LABORATORY QC REPORT

Department: Inorganic

SDG Number: WSCF20081245
Matrix: WATER
Test: ICP Metals Analysis, Grd H20 P

Sample Date: 06/22/08
Receive Date:06/23/08

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Lower Limit	Upper Limit	RPD(%)	RPD Limit	RQ	Analysis Date
SPK-RPD	Iron	7439-89-6	97.820		RPD			2.024	20.000		08/05/08
SPK-RPD	Potassium	7440-09-7	101.430		RPD			1.274	20.000		08/05/08
SPK-RPD	Magnesium	7439-95-4	72.000		RPD			17.722	20.000		08/05/08
SPK-RPD	Manganese	7439-96-5	100.800		RPD			1.770	20.000		08/05/08
SPK-RPD	Sodium	7440-23-5	78.000		RPD			28.571	20.000 •		08/05/08
SPK-RPD	Nickel	7440-02-0	97.270		RPD			2.156	20.000		08/05/08
SPK-RPD	Antimony	7440-36-0	100.700		RPD			1.772	20.000		08/05/08
SPK-RPD	Strontium	7440-24-6	102.800		RPD			2.346	20.000		08/05/08
SPK-RPD	Vanadium	7440-62-2	97.240		RPD			2.538	20.000		08/05/08
SPK-RPD	Zinc	7440-66-6	98.360		RPD			4.122	20.000		08/05/08
BATCH QC											
BLANK	Silver	7440-22-4	<5	n/a	ug/L					U	08/05/08
BLANK	Barium	7440-39-3	<4	n/a	ug/L					U	08/05/08
BLANK	Beryllium	7440-41-7	<4	n/a	ug/L					U	08/05/08
BLANK	Calcium	7440-70-2	<73	n/a	ug/L					U	08/05/08
BLANK	Cadmium	7440-43-9	<4	n/a	ug/L					U	08/05/08
BLANK	Cobalt	7440-48-4	<4	n/a	ug/L					U	08/05/08
BLANK	Chromium	7440-47-3	<13	n/a	ug/L					U	08/05/08
BLANK	Copper	7440-50-8	<6	n/a	ug/L					U	08/05/08
BLANK	Iron	7439-89-6	<25	n/a	ug/L					U	08/05/08
BLANK	Potassium	7440-09-7	<170	n/a	ug/L					U	08/05/08
BLANK	Magnesium	7439-95-4	<50	n/a	ug/L					U	08/05/08
BLANK	Manganese	7439-96-5	<4	n/a	ug/L					U	08/05/08
BLANK	Sodium	7440-23-5	<51	n/a	ug/L					U	08/05/08
BLANK	Nickel	7440-02-0	<4	n/a	ug/L					U	08/05/08
BLANK	Antimony	7440-36-0	<56	n/a	ug/L					U	08/05/08
BLANK	Strontium	7440-24-6	<4	n/a	ug/L					U	08/05/08
BLANK	Vanadium	7440-62-2	<12	n/a	ug/L					U	08/05/08
BLANK	Zinc	7440-66-6	<9	n/a	ug/L					U	08/05/08

WSCF ANALYTICAL LABORATORY QC REPORT

Department: Inorganic

SDG Number: WSCF20081245
Matrix: WATER
Test: ICP Metals Analysis, Grd H20 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	1007	100.700	% Recov	80.000	120.000				08/05/08
LCS	Barium	7440-39-3	483.2	96.640	% Recov	80.000	120.000				08/05/08
LCS	Beryllium	7440-41-7	538.2	107.640	% Recov	80.000	120.000				08/05/08
LCS	Calcium	7440-70-2	1156	115.600	% Recov	80.000	120.000				08/05/08
LCS	Cadmium	7440-43-9	1044	104.400	% Recov	80.000	120.000				08/05/08
LCS	Cobalt	7440-48-4	1084	108.400	% Recov	80.000	120.000				08/05/08
LCS	Chromium	7440-47-3	1037	103.700	% Recov	80.000	120.000				08/05/08
LCS	Copper	7440-50-8	1012	101.200	% Recov	80.000	120.000				08/05/08
LCS	Iron	7439-89-6	997.8	99.780	% Recov	80.000	120.000				08/05/08
LCS	Potassium	7440-09-7	10570	105.700	% Recov	80.000	120.000				08/05/08
LCS	Magnesium	7439-95-4	981.5	98.150	% Recov	80.000	120.000				08/05/08
LCS	Manganese	7439-96-5	1041	104.100	% Recov	80.000	120.000				08/05/08
LCS	Sodium	7440-23-5	1064	106.400	% Recov	80.000	120.000				08/05/08
LCS	Nickel	7440-02-0	1046	104.600	% Recov	80.000	120.000				08/05/08
LCS	Antimony	7440-36-0	1069	106.900	% Recov	80.000	120.000				08/05/08
LCS	Strontium	7440-24-6	514.9	102.980	% Recov	80.000	120.000				08/05/08
LCS	Vanadium	7440-62-2	995.1	99.510	% Recov	80.000	120.000				08/05/08
LCS	Zinc	7440-66-6	1014	101.400	% Recov	80.000	120.000				08/05/08

WSCF ANALYTICAL LABORATORY QC REPORT

Department: Inorganic

SDG Number: WSCF20081245
Matrix: WATER
Test: ICP-200.8 MS All possible meta

Sample Date: 06/11/08
Receive Date:06/11/08

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Lower Limit	Upper Limit	RPD(%)	RPD Limit	RQ	Analysis Date
Lab ID: W08P002806											
BATCH QC ASSOCIATED WITH SAMPLE											
MS	Arsenic	7440-38-2	39.21	98.025	% Recov	70.000	130.000				07/08/08
MSD	Arsenic	7440-38-2	39.44	98.600	% Recov	70.000	130.000				07/08/08
SPK-RPD	Arsenic	7440-38-2	98.600		RPD			0.585	20.000		07/08/08
Lab ID: W08P002825											
BATCH QC ASSOCIATED WITH SAMPLE											
MS	Uranium	7440-61-1	38.863	97.157	% Recov	70.000	130.000				07/08/08
MSD	Uranium	7440-61-1	38.953	97.383	% Recov	70.000	130.000				07/08/08
SPK-RPD	Uranium	7440-61-1	97.383		RPD			0.232	20.000		07/08/08
Lab ID: W08P002831											
BATCH QC ASSOCIATED WITH SAMPLE											
MS	Uranium	7440-61-1	40.8	102.000	% Recov	70.000	130.000				07/10/08
MSD	Uranium	7440-61-1	40.2	100.500	% Recov	70.000	130.000				07/10/08
SPK-RPD	Uranium	7440-61-1	100.500		RPD			1.481	20.000		07/10/08
BATCH QC											
BLANK	Arsenic	7440-38-2	<0.4	n/a	ug/L					U	07/08/08
BLANK	Uranium	7440-61-1	<5e-2	n/a	ug/L					U	07/08/08
LCS	Arsenic	7440-38-2	36.69	91.725	% Recov	85.000	115.000				07/08/08
LCS	Uranium	7440-61-1	39.59	98.975	% Recov	85.000	115.000				07/08/08

WSCF ANALYTICAL LABORATORY QC REPORT

Department: Inorganic

SDG Number: WSCF20081245
Matrix: WATER
Test: Total Alkalinity as mg/L CaCO3

Sample Date: 06/20/08
Receive Date:06/20/08

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Lower Limit	Upper Limit	RPD(%)	RPD Limit	RQ	Analysis Date
Lab ID: W08P002897											
BATCH QC ASSOCIATED WITH SAMPLE											
DUP	Total Alkalinity as mg/L CaCO3	ALKALINITY	96.11		RPD			0.605	20.000		07/02/08
Lab ID: W08P003018											
BATCH QC ASSOCIATED WITH SAMPLE											
DUP	Total Alkalinity as mg/L CaCO3	ALKALINITY	96.46		RPD			0.073	20.000		07/02/08
BATCH QC											
LCS	Total Alkalinity as mg/L CaCO3	ALKALINITY	114.6	99.652	%Recove	80.000	120.000				07/02/08
LCS	Total Alkalinity as mg/L CaCO3	ALKALINITY	115.0	100.000	%Recove	80.000	120.000				07/02/08
LCS	Total Alkalinity as mg/L CaCO3	ALKALINITY	115.3	100.261	%Recove	80.000	120.000				07/02/08
LCS	Total Alkalinity as mg/L CaCO3	ALKALINITY	117.5	102.174	%Recove	80.000	120.000				07/02/08
LCS	Total Alkalinity as mg/L CaCO3	ALKALINITY	120.9	105.130	%Recove	80.000	120.000				07/02/08

WSCF ANALYTICAL LABORATORY QC REPORT

Department: Inorganic

SDG Number: WSCF20081245
Matrix: WATER
Test: Total Organic Carbon

Sample Date: 06/04/08
Receive Date:06/04/08

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Lower Limit	Upper Limit	RPD(%)	RPD Limit	RQ	Analysis Date
Lab ID: W08P002695											
BATCH QC ASSOCIATED WITH SAMPLE											
MS	Total Organic Carbon	TOC	3.992	99.800	% Recov	75.000	125.000				07/09/08
MSD	Total Organic Carbon	TOC	3.875	96.875	% Recov	75.000	125.000				07/09/08
SPK-RPD	Total Organic Carbon	TOC	96.875		RPD			2.974	20.000		07/09/08
Lab ID: W08P002879											
BATCH QC ASSOCIATED WITH SAMPLE											
MS	Total Organic Carbon	TOC	4.089	102.225	% Recov	75.000	125.000				07/09/08
MSD	Total Organic Carbon	TOC	3.981	99.525	% Recov	75.000	125.000				07/09/08
SPK-RPD	Total Organic Carbon	TOC	99.525		RPD			2.677	20.000		07/09/08
BATCH QC											
BLANK	Total Organic Carbon	TOC	< 0.045	n/a	mg/L	0.000	300.000			U	07/09/08
METHSPIKE	Total Organic Carbon	TOC	1.973	98.650	% Recov	80.000	120.000				07/09/08
SPK-RSD	Total Organic Carbon	TOC	1.335	1.335	% RSD	0.000	20.000				07/09/08
Lab ID: W08P002966											
BATCH QC ASSOCIATED WITH SAMPLE											
MS	Total Organic Carbon	TOC	4.133	103.325	% Recov	75.000	125.000				07/15/08
MSD	Total Organic Carbon	TOC	4.150	103.750	% Recov	75.000	125.000				07/15/08
SPK-RPD	Total Organic Carbon	TOC	103.750		RPD			0.410	20.000		07/15/08
Lab ID: W08P002976											
BATCH QC ASSOCIATED WITH SAMPLE											
MS	Total Organic Carbon	TOC	4.200	105.000	% Recov	75.000	125.000				07/15/08
MSD	Total Organic Carbon	TOC	4.112	102.800	% Recov	75.000	125.000				07/15/08
SPK-RPD	Total Organic Carbon	TOC	102.800		RPD			2.117	20.000		07/15/08

WSCF ANALYTICAL LABORATORY QC REPORT

Department: Inorganic

SDG Number: WSCF20081245
Matrix: WATER
Test: Total Organic Carbon

Sample Date: 06/22/08
Receive Date:06/23/08

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Lower Limit	Upper Limit	RPD(%)	RPD Limit	RQ	Analysis Date
BATCH QC											
BLANK	Total Organic Carbon	TOC	<0.045	n/a	mg/L	0.000	300.000			U	07/15/08
METHSPIKE	Total Organic Carbon	TOC	1.981	99.050	% Recov	80.000	120.000				07/15/08
SPK-RSD	Total Organic Carbon	TOC	0.7248	0.725	% RSD	0.000	20.000				07/15/08
SPK-RSD	Total Organic Carbon	TOC	0.5872	0.587	% RSD	0.000	20.000				07/15/08
Lab ID: W08P002958											
BATCH QC ASSOCIATED WITH SAMPLE											
MS	Total Organic Carbon	TOC	4.070	101.750	% Recov	75.000	125.000				07/22/08
MSD	Total Organic Carbon	TOC	4.081	102.025	% Recov	75.000	125.000				07/22/08
SPK-RPD	Total Organic Carbon	TOC	102.025		RPD			0.270	20.000		07/22/08
Lab ID: W08P003047											
BATCH QC ASSOCIATED WITH SAMPLE											
MS	Total Organic Carbon	TOC	4.251	106.275	% Recov	75.000	125.000				07/22/08
MSD	Total Organic Carbon	TOC	4.262	106.550	% Recov	75.000	125.000				07/22/08
SPK-RPD	Total Organic Carbon	TOC	106.550		RPD			0.258	20.000		07/22/08
BATCH QC											
BLANK	Total Organic Carbon	TOC	< 0.045	n/a	mg/L	0.000	300.000			U	07/22/08
METHSPIKE	Total Organic Carbon	TOC	2.154	107.700	% Recov	80.000	120.000				07/22/08
METHSPIKE	Total Organic Carbon	TOC	2.179	108.950	% Recov	80.000	120.000				07/22/08
SPK-RSD	Total Organic Carbon	TOC	0.4127	0.413	% RSD	0.000	20.000				07/22/08
SPK-RSD	Total Organic Carbon	TOC	0.4162	0.416	% RSD	0.000	20.000				07/22/08

WSCF ANALYTICAL LABORATORY QC REPORT

Department: Inorganic

SDG Number: WSCF20081245
Matrix: WATER
Test: Total Organic Halides

Sample Date: 06/11/08
Receive Date:06/11/08

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Lower Limit	Upper Limit	RPD(%)	RPD Limit	RQ	Analysis Date
Lab ID: W08P002826											
BATCH QC ASSOCIATED WITH SAMPLE											
MS	Total Organic Halides	TOX	39.3	98.250	% Recov	50.000	150.000				07/02/08
MSD	Total Organic Halides	TOX	40.3	100.750	% Recov	50.000	150.000				07/02/08
SPK-RPD	Total Organic Halides	TOX	100.750		RPD			2.513	20.000		07/02/08
Lab ID: W08P002855											
BATCH QC ASSOCIATED WITH SAMPLE											
MS	Total Organic Halides	TOX	36.0	90.000	% Recov	50.000	150.000				07/02/08
MSD	Total Organic Halides	TOX	38.2	95.500	% Recov	50.000	150.000				07/02/08
SPK-RPD	Total Organic Halides	TOX	95.500		RPD			5.930	20.000		07/02/08
BATCH QC											
BLANK	Total Organic Halides	TOX	<5	n/a	ug/L	0.000	300.000			U	07/02/08
LCS	Total Organic Halides	TOX	407	101.750	%rec	80.000	120.000				07/02/08

WSCF
ANALYTICAL COMMENT REPORT

Attention: Steve Trent E6-35

Group #: WSCF20081245
Department: Inorganic

Sample #	Client ID	Lab Area	Test	Comment
		VALGROUP		TOC: All samples on this worklist insufficiently acidified. Sample W08P002704 had no acid in it. JGD 7/9/2008 W08P002925, W08P02927, W08P002929/ Beta duplicate is flagged for poor RPD. Since all the other QC checks came out fine, this batch has been approved. lmh ICP-AES: [Sample W08P2911-2914; 2917-2918; 2928-2929; 2936] No zirconium present in the LCS standard. Magnesium, calcium, and sodium sample results exceed spiking level by a factor of 4 so spike recoveries are not valid. Check standard is used to ensure sodium, magnesium, and calcium linearity because sample results are greater than the calibration standard. IC Anion - MS recovery low for nitrite in sample W08P002939; Data N-flagged. DTS IC Anion - Sample hold times missed for samples: W08P002918, 2927, 2929, 2938-39, 2959, 2988, 2991, 2994, 2997, 3000, 3008, 3011, 3015, 3019, 3025. DTS Tc-99 matrix spike recovery is low due to the high Tc99

Lab Areas: VALGROUP - Group Validation
LOGSAMP - Login for Sample
VALTEST - Test Validation
LOGTEST - Login for Tests
TESTDATA - Test Data Entry

WSCF
ANALYTICAL COMMENT REPORT

Attention: Steve Trent E6-35

Group #: WSCF20081245
Department: Inorganic

Sample #	Client ID	Lab Area	Test	Comment
				activity in the sample. lmh
				ICP-AES: [Sample W08P2937-2939; 2957; 2959-2961; 2987-2991; 2993-2994; 2996-2997; 2999-3000; 3007-3008; 3010] No zirconium present in the LCS standard. Magnesium, calcium, and sodium sample results exceed spiking level by a factor of 4 so spike recoveries are not valid. Check standard is used to ensure sodium, magnesium, and calcium linearity because sample results are greater than the calibration standard.
				ICP-AES: [Samples W08P3011; 3013; 3015; 3017; 3019; 3021; and 3025] No zirconium present in the LCS standard. Magnesium, calcium, and sodium sample results exceed spiking level by a factor of 4 so spike recoveries are not valid. Check standard is used to ensure sodium, magnesium, and calcium linearity because sample results are greater than the calibration standard.

Lab Areas: VALGROUP - Group Validation
LOGSAMP - Login for Sample
VALTEST - Test Validation
LOGTEST - Login for Tests
TESTDATA - Test Data Entry

WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: I08-044
Sample # W08P002912
Client ID: B1VL39 TRENT
Matrix: WATER

Group #: WSCF20081245
Department: Organic
Sampled: 06/22/08
Received: 06/23/08

WSCF

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
VOA Ground Water Protection											
1,1-Dichloroethene	75-35-4	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/01/08
Trichloroethene	79-01-6	LA-523-455	J	2.80	ug/L			1.00	1.0		07/01/08
Benzene	71-43-2	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/01/08
Toluene	108-88-3	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/01/08
Chlorobenzene	108-90-7	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/01/08
1,1-Dichloroethane	75-34-3	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/01/08
Ethylbenzene	100-41-4	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/01/08
1,2-Dichloroethane	107-06-2	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/01/08
4-Methyl-2-Pentanone	108-10-1	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/01/08
Tetrachloroethene	127-18-4	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/01/08
Xylenes (total)	1330-20-7	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/01/08
Carbon tetrachloride	56-23-5	LA-523-455		350	ug/L			1.00	25		07/02/08
Acetone	67-64-1	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/01/08
Chloroform	67-66-3	LA-523-455		5.60	ug/L			1.00	1.0		07/01/08
1,1,1-Trichloroethane	71-55-6	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/01/08
Vinyl chloride	75-01-4	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/01/08
Methylenechloride	75-09-2	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/01/08
Carbon disulfide	75-15-0	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/01/08
2-Butanone	78-93-3	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/01/08
1,1,2-Trichloroethane	79-00-5	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/01/08
1-Butanol	71-36-3	LA-523-455	U	< 100	ug/L			1.00	1.0e+02		07/01/08
Tetrahydrofuran	109-99-9	LA-523-455	U	< 2.00	ug/L			1.00	2.0		07/01/08
trans-1,2-Dichloroethylene	156-60-5	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/01/08
cis-1,2-Dichloroethylene	156-59-2	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/01/08

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

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J - Analyte < lowest calibration but > = MDL.(org)
U - Analyzed for but not detected above limiting criteria(inorg)
U - Analyzed for but not detected above limiting criteria.(org)

D - Analyte was identified at a secondary dilution factor(inorg)
N - Spike sample recovery is outside control limits.(inorg)
U - Analyzed for but not detected above limiting criteria.

WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: I08-044
Sample # W08P002912
Client ID: B1VL39 TRENT WSCF **Matrix:** WATER

Group #: WSCF20081245
Department: Organic
Sampled: 06/22/08
Received: 06/23/08

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
Ethyl cyanide	107-12-0	LA-523-455	U	< 2.00	ug/L			1.00	2.0		07/01/08
1,4-Dichlorobenzene	106-46-7	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/01/08

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

D - Analyte was identified at a secondary dilution factor(inorg)
N - Spike sample recovery is outside control limits.(inorg)
U - Analyzed for but not detected above limiting criteria.

WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: I08-044
Sample # W08P002914
Client ID: B1VL35 TRENT WSCF
Matrix: WATER

Group #: WSCF20081245
Department: Organic
Sampled: 06/22/08
Received: 06/23/08

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
VOA Ground Water Protection											
1,1-Dichloroethene	75-35-4	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
Trichloroethene	79-01-6	LA-523-455	J	2.40	ug/L			1.00	1.0		07/02/08
Benzene	71-43-2	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
Toluene	108-88-3	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
Chlorobenzene	108-90-7	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
1,1-Dichloroethane	75-34-3	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
Ethylbenzene	100-41-4	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
1,2-Dichloroethane	107-06-2	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
4-Methyl-2-Pentanone	108-10-1	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
Tetrachloroethene	127-18-4	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
Xylenes (total)	1330-20-7	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
Carbon tetrachloride	56-23-5	LA-523-455		370	ug/L			1.00	25		07/02/08
Acetone	67-64-1	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
Chloroform	67-66-3	LA-523-455		5.10	ug/L			1.00	1.0		07/02/08
1,1,1-Trichloroethane	71-55-6	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
Vinyl chloride	75-01-4	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
Methylenechloride	75-09-2	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
Carbon disulfide	75-15-0	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
2-Butanone	78-93-3	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
1,1,2-Trichloroethane	79-00-5	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
1-Butanol	71-36-3	LA-523-455	U	< 100	ug/L			1.00	1.0e+02		07/02/08
Tetrahydrofuran	109-99-9	LA-523-455	U	< 2.00	ug/L			1.00	2.0		07/02/08
trans-1,2-Dichloroethylene	156-60-5	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
cis-1,2-Dichloroethylene	156-59-2	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08

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

D - Analyte was identified at a secondary dilution factor(inorg)
N - Spike sample recovery is outside control limits.(inorg)
U - Analyzed for but not detected above limiting criteria.

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WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: I08-044
Sample # W08P002914
Client ID: B1VL35 TRENT WSCF **Matrix:** WATER

Group #: WSCF20081245
Department: Organic
Sampled: 06/22/08
Received: 06/23/08

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
Ethyl cyanide	107-12-0	LA-523-455	U	< 2.00	ug/L			1.00	2.0		07/02/08
1,4-Dichlorobenzene	106-46-7	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08

MDL = Minimum Detection Limit
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WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: I08-043
Sample # W08P002915
Client ID: B1VKY9 TRENT WSCF
Matrix: WATER

Group #: WSCF20081245
Department: Organic
Sampled: 06/22/08
Received: 06/23/08

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
VOA Ground Water Protection											
1,1-Dichloroethene	75-35-4	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
Trichloroethene	79-01-6	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
Benzene	71-43-2	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
Toluene	108-88-3	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
Chlorobenzene	108-90-7	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
1,1-Dichloroethane	75-34-3	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
Ethylbenzene	100-41-4	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
1,2-Dichloroethane	107-06-2	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
4-Methyl-2-Pentanone	108-10-1	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
Tetrachloroethene	127-18-4	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
Xylenes (total)	1330-20-7	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
Carbon tetrachloride	56-23-5	LA-523-455		120	ug/L			1.00	1.0		07/02/08
Acetone	67-64-1	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
Chloroform	67-66-3	LA-523-455	J	3.10	ug/L			1.00	1.0		07/02/08
1,1,1-Trichloroethane	71-55-6	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
Vinyl chloride	75-01-4	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
Methylenechloride	75-09-2	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
Carbon disulfide	75-15-0	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
2-Butanone	78-93-3	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
1,1,2-Trichloroethane	79-00-5	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
1-Butanol	71-36-3	LA-523-455	U	< 100	ug/L			1.00	1.0e+02		07/02/08
Tetrahydrofuran	109-99-9	LA-523-455	U	< 2.00	ug/L			1.00	2.0		07/02/08
trans-1,2-Dichloroethylene	156-60-5	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
cis-1,2-Dichloroethylene	156-59-2	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08

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U - Analyzed for but not detected above limiting criteria.(org)
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D - Analyte was identified at a secondary dilution factor(inorg)
N - Spike sample recovery is outside control limits.(inorg)
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WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: I08-043
Sample # W08P002915
Client ID: B1VKY9 TRENT
Matrix: WATER

Group #: WSCF20081245
Department: Organic
Sampled: 06/22/08
Received: 06/23/08

Test Performed	CAS #	WSCF Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
Ethyl cyanide	107-12-0	LA-523-455	U	< 2.00	ug/L			1.00	2.0		07/02/08
1,4-Dichlorobenzene	106-46-7	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08

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

D - Analyte was identified at a secondary dilution factor(inorg)
N - Spike sample recovery is outside control limits.(inorg)
U - Analyzed for but not detected above limiting criteria.

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

WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: I08-044
Sample # W08P002916
Client ID: B1VL43 TRENT **Matrix:** WATER

Group #: WSCF20081245
Department: Organic
Sampled: 06/22/08
Received: 06/23/08

Test Performed	CAS #	WSCF Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
VOA Ground Water Protection											
1,1-Dichloroethene	75-35-4	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
Trichloroethene	79-01-6	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
Benzene	71-43-2	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
Toluene	108-88-3	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
Chlorobenzene	108-90-7	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
1,1-Dichloroethane	75-34-3	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
Ethylbenzene	100-41-4	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
1,2-Dichloroethane	107-06-2	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
4-Methyl-2-Pentanone	108-10-1	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
Tetrachloroethene	127-18-4	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
Xylenes (total)	1330-20-7	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
Carbon tetrachloride	56-23-5	LA-523-455		490	ug/L			1.00	25		07/02/08
Acetone	67-64-1	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
Chloroform	67-66-3	LA-523-455		6.10	ug/L			1.00	1.0		07/02/08
1,1,1-Trichloroethane	71-55-6	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
Vinyl chloride	75-01-4	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
Methylenechloride	75-09-2	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
Carbon disulfide	75-15-0	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
2-Butanone	78-93-3	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
1,1,2-Trichloroethane	79-00-5	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
1-Butanol	71-36-3	LA-523-455	U	< 100	ug/L			1.00	1.0e+02		07/02/08
Tetrahydrofuran	109-99-9	LA-523-455	U	< 2.00	ug/L			1.00	2.0		07/02/08
trans-1,2-Dichloroethylene	156-60-5	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
cis-1,2-Dichloroethylene	156-59-2	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08

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)
J - Analyte < lowest calibration but > = MDL.(org)
U - Analyzed for but not detected above limiting criteria(inorg)
U - Analyzed for but not detected above limiting criteria.(org)

D - Analyte was identified at a secondary dilution factor(inorg)
N - Spike sample recovery is outside control limits.(inorg)
U - Analyzed for but not detected above limiting criteria.

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

WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: I08-044
Sample # W08P002916
Client ID: B1VL43 TRENT
Matrix: WATER

Group #: WSCF20081245
Department: Organic
Sampled: 06/22/08
Received: 06/23/08

WSCF

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
Ethyl cyanide	107-12-0	LA-523-455	U	< 2.00	ug/L			1.00	2.0		07/02/08
1,4-Dichlorobenzene	106-46-7	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08

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)
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WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: W08-006
Sample # W08P002942
Client ID: B1VPT1 TRENT WSCF
Matrix: WATER

Group #: WSCF20081245
Department: Organic
Sampled: 06/22/08
Received: 06/23/08

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
VOA Ground Water Protection											
1,1-Dichloroethene	75-35-4	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
Trichloroethene	79-01-6	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
Benzene	71-43-2	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
Toluene	108-88-3	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
Chlorobenzene	108-90-7	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
1,1-Dichloroethane	75-34-3	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
Ethylbenzene	100-41-4	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
1,2-Dichloroethane	107-06-2	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
4-Methyl-2-Pentanone	108-10-1	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
Tetrachloroethene	127-18-4	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
Xylenes (total)	1330-20-7	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
Carbon tetrachloride	56-23-5	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
Acetone	67-64-1	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
Chloroform	67-66-3	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
1,1,1-Trichloroethane	71-55-6	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
Vinyl chloride	75-01-4	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
Methylenechloride	75-09-2	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
Carbon disulfide	75-15-0	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
2-Butanone	78-93-3	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
1,1,2-Trichloroethane	79-00-5	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
1-Butanol	71-36-3	LA-523-455	U	< 100	ug/L			1.00	1.0e+02		07/02/08
Tetrahydrofuran	109-99-9	LA-523-455	U	< 2.00	ug/L			1.00	2.0		07/02/08
trans-1,2-Dichloroethylene	156-60-5	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
cis-1,2-Dichloroethylene	156-59-2	LA-523-455		170	ug/L			1.00	1.0		07/02/08

MDL = Minimum Detection Limit
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WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: W08-006
Sample # W08P002942
Client ID: B1VPT1 TRENT WSCF **Matrix:** WATER

Group #: WSCF20081245
Department: Organic
Sampled: 06/22/08
Received: 06/23/08

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
Ethyl cyanide	107-12-0	LA-523-455	U	< 2.00	ug/L			1.00	2.0		07/02/08
1,4-Dichlorobenzene	106-46-7	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08

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WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: W08-006
Sample # W08P002943
Client ID: B1VPT2 TRENT
Matrix: WATER

Group #: WSCF20081245
Department: Organic
Sampled: 06/22/08
Received: 06/23/08

WSCF

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
VOA Ground Water Protection											
1,1-Dichloroethene	75-35-4	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
Trichloroethene	79-01-6	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
Benzene	71-43-2	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
Toluene	108-88-3	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
Chlorobenzene	108-90-7	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
1,1-Dichloroethane	75-34-3	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
Ethylbenzene	100-41-4	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
1,2-Dichloroethane	107-06-2	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
4-Methyl-2-Pentanone	108-10-1	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
Tetrachloroethene	127-18-4	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
Xylenes (total)	1330-20-7	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
Carbon tetrachloride	56-23-5	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
Acetone	67-64-1	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
Chloroform	67-66-3	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
1,1,1-Trichloroethane	71-55-6	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
Vinyl chloride	75-01-4	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
Methylenechloride	75-09-2	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
Carbon disulfide	75-15-0	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
2-Butanone	78-93-3	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
1,1,2-Trichloroethane	79-00-5	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
1-Butanol	71-36-3	LA-523-455	U	< 100	ug/L			1.00	1.0e+02		07/02/08
Tetrahydrofuran	109-99-9	LA-523-455	U	< 2.00	ug/L			1.00	2.0		07/02/08
trans-1,2-Dichloroethylene	156-60-5	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
cis-1,2-Dichloroethylene	156-59-2	LA-523-455		170	ug/L			1.00	1.0		07/02/08

MDL=Minimum Detection Limit
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WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: W08-006
Sample # W08P002943
Client ID: B1VPT2 TRENT WSCF
Matrix: WATER

Group #: WSCF20081245
Department: Organic
Sampled: 06/22/08
Received: 06/23/08

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
Ethyl cyanide	107-12-0	LA-523-455	U	< 2.00	ug/L			1.00	2.0		07/02/08
1,4-Dichlorobenzene	106-46-7	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08

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

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WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: W08-006
Sample # W08P002944
Client ID: B1VPV1 TRENT WSCF
Matrix: WATER

Group #: WSCF20081245
Department: Organic
Sampled: 06/22/08
Received: 06/23/08

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
VOA Ground Water Protection											
1,1-Dichloroethene	75-35-4	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
Trichloroethene	79-01-6	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
Benzene	71-43-2	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
Toluene	108-88-3	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
Chlorobenzene	108-90-7	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
1,1-Dichloroethane	75-34-3	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
Ethylbenzene	100-41-4	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
1,2-Dichloroethane	107-06-2	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
4-Methyl-2-Pentanone	108-10-1	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
Tetrachloroethene	127-18-4	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
Xylenes (total)	1330-20-7	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
Carbon tetrachloride	56-23-5	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
Acetone	67-64-1	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
Chloroform	67-66-3	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
1,1,1-Trichloroethane	71-55-6	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
Vinyl chloride	75-01-4	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
Methylenechloride	75-09-2	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
Carbon disulfide	75-15-0	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
2-Butanone	78-93-3	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
1,1,2-Trichloroethane	79-00-5	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
1-Butanol	71-36-3	LA-523-455	U	< 100	ug/L			1.00	1.0e+02		07/02/08
Tetrahydrofuran	109-99-9	LA-523-455	U	< 2.00	ug/L			1.00	2.0		07/02/08
trans-1,2-Dichloroethylene	156-60-5	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
cis-1,2-Dichloroethylene	156-59-2	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08

MDL = Minimum Detection Limit
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WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: W08-006
Sample # W08P002944
Client ID: B1VPV1 TRENT
Matrix: WATER

Group #: WSCF20081245
Department: Organic
Sampled: 06/22/08
Received: 06/23/08

WSCF

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
Ethyl cyanide	107-12-0	LA-523-455	U	< 2.00	ug/L			1.00	2.0		07/02/08
1,4-Dichlorobenzene	106-46-7	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08

MDL = Minimum Detection Limit
RQ = Result Qualifier
TP Err = Total Propagated Error
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U - Analyzed for but not detected above limiting criteria.(org)

D - Analyte was identified at a secondary dilution factor(inorg)
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WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: W08-006
Sample # W08P002945
Client ID: B1VPT9 TRENT WSCF
Matrix: WATER

Group #: WSCF20081245
Department: Organic
Sampled: 06/22/08
Received: 06/23/08

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
VOA Ground Water Protection											
1,1-Dichloroethene	75-35-4	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
Trichloroethene	79-01-6	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
Benzene	71-43-2	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
Toluene	108-88-3	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
Chlorobenzene	108-90-7	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
1,1-Dichloroethane	75-34-3	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
Ethylbenzene	100-41-4	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
1,2-Dichloroethane	107-06-2	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
4-Methyl-2-Pentanone	108-10-1	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
Tetrachloroethene	127-18-4	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
Xylenes (total)	1330-20-7	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
Carbon tetrachloride	56-23-5	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
Acetone	67-64-1	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
Chloroform	67-66-3	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
1,1,1-Trichloroethane	71-55-6	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
Vinyl chloride	75-01-4	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
Methylenechloride	75-09-2	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
Carbon disulfide	75-15-0	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
2-Butanone	78-93-3	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
1,1,2-Trichloroethane	79-00-5	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
1-Butanol	71-36-3	LA-523-455	U	< 100	ug/L			1.00	1.0e+02		07/02/08
Tetrahydrofuran	109-99-9	LA-523-455	U	< 2.00	ug/L			1.00	2.0		07/02/08
trans-1,2-Dichloroethylene	156-60-5	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
cis-1,2-Dichloroethylene	156-59-2	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08

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J - Analyte < lowest calibration but > = MDL.(org)
U - Analyzed for but not detected above limiting criteria(inorg)
U - Analyzed for but not detected above limiting criteria.(org)

D - Analyte was identified at a secondary dilution factor(inorg)
N - Spike sample recovary is outside control limits.(inorg)
U - Analyzed for but not detected above limiting criteria.

WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: W08-006
Sample # W08P002945
Client ID: B1VPT9 TRENT WSCF
Matrix: WATER

Group #: WSCF20081245
Department: Organic
Sampled: 06/22/08
Received: 06/23/08

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
Ethyl cyanide	107-12-0	LA-523-455	U	< 2.00	ug/L			1.00	2.0		07/02/08
1,4-Dichlorobenzene	106-46-7	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08

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)
J - Analyte < lowest calibration but > = MDL.(org)
U - Analyzed for but not detected above limiting criteria(inorg)
U - Analyzed for but not detected above limiting criteria.(org)

D - Analyte was identified at a secondary dilution factor(inorg)
N - Spike sample recovery is outside control limits.(inorg)
U - Analyzed for but not detected above limiting criteria.

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

WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: W08-006
Sample # W08P002946
Client ID: B1VPT7 TRENT
Matrix: WATER

Group #: WSCF20081245
Department: Organic
Sampled: 06/22/08
Received: 06/23/08

WSCF

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
VOA Ground Water Protection											
1,1-Dichloroethene	75-35-4	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
Trichloroethene	79-01-6	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
Benzene	71-43-2	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
Toluene	108-88-3	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
Chlorobenzene	108-90-7	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
1,1-Dichloroethane	75-34-3	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
Ethylbenzene	100-41-4	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
1,2-Dichloroethane	107-06-2	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
4-Methyl-2-Pentanone	108-10-1	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
Tetrachloroethene	127-18-4	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
Xylenes (total)	1330-20-7	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
Carbon tetrachloride	56-23-5	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
Acetone	67-64-1	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
Chloroform	67-66-3	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
1,1,1-Trichloroethane	71-55-6	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
Vinyl chloride	75-01-4	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
Methylenechloride	75-09-2	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
Carbon disulfide	75-15-0	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
2-Butanone	78-93-3	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
1,1,2-Trichloroethane	79-00-5	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
1-Butanol	71-36-3	LA-523-455	U	< 100	ug/L			1.00	1.0e+02		07/02/08
Tetrahydrofuran	109-99-9	LA-523-455	U	< 2.00	ug/L			1.00	2.0		07/02/08
trans-1,2-Dichloroethylene	156-60-5	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
cis-1,2-Dichloroethylene	156-59-2	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08

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)
J - Analyte < lowest calibration but > = MDL.(org)
U - Analyzed for but not detected above limiting criteria(inorg)
U - Analyzed for but not detected above limiting criteria.(org)

D - Analyte was identified at a secondary dilution factor(inorg)
N - Spike sample recovery is outside control limits.(inorg)
U - Analyzed for but not detected above limiting criteria.

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

WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: W08-006
Sample # W08P002946
Client ID: B1VPT7 TRENT WSCF
Matrix: WATER

Group #: WSCF20081245
Department: Organic
Sampled: 06/22/08
Received: 06/23/08

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
Ethyl cyanide	107-12-0	LA-523-455	U	< 2.00	ug/L			1.00	2.0		07/02/08
1,4-Dichlorobenzene	106-46-7	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08

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)
J - Analyte < lowest calibration but > = MDL.(org)
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U - Analyzed for but not detected above limiting criteria.(org)

D - Analyte was identified at a secondary dilution factor(inorg)
N - Spike sample recovery is outside control limits.(inorg)
U - Analyzed for but not detected above limiting criteria.

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WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: W08-006
Sample # W08P002947
Client ID: B1VPT5 TRENT WSCF
Matrix: WATER

Group #: WSCF20081245
Department: Organic
Sampled: 06/22/08
Received: 06/23/08

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
VOA Ground Water Protection											
1,1-Dichloroethene	75-35-4	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
Trichloroethene	79-01-6	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
Benzene	71-43-2	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
Toluene	108-88-3	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
Chlorobenzene	108-90-7	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
1,1-Dichloroethane	75-34-3	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
Ethylbenzene	100-41-4	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
1,2-Dichloroethane	107-06-2	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
4-Methyl-2-Pentanone	108-10-1	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
Tetrachloroethene	127-18-4	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
Xylenes (total)	1330-20-7	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
Carbon tetrachloride	56-23-5	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
Acetone	67-64-1	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
Chloroform	67-66-3	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
1,1,1-Trichloroethane	71-55-6	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
Vinyl chloride	75-01-4	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
Methylenechloride	75-09-2	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
Carbon disulfide	75-15-0	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
2-Butanone	78-93-3	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
1,1,2-Trichloroethane	79-00-5	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
1-Butanol	71-36-3	LA-523-455	U	< 100	ug/L			1.00	1.0e+02		07/02/08
Tetrahydrofuran	109-99-9	LA-523-455	U	< 2.00	ug/L			1.00	2.0		07/02/08
trans-1,2-Dichloroethylene	158-80-5	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
cis-1,2-Dichloroethylene	156-59-2	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08

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

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

Attention: Steve Trent E6-35
SAF Number: W08-006
Sample # W08P002947
Client ID: B1VPT5 TRENT WSCF
Matrix: WATER

Group #: WSCF20081245
Department: Organic
Sampled: 06/22/08
Received: 06/23/08

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
Ethyl cyanide	107-12-0	LA-523-455	U	< 2.00	ug/L			1.00	2.0		07/02/08
1,4-Dichlorobenzene	106-46-7	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08

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

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J - Analyte < lowest calibration but > = MDL.(org)
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WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: W08-004
Sample # W08P002962
Client ID: B1V393 TRENT
Matrix: WATER

Group #: WSCF20081245
Department: Organic
Sampled: 06/22/08
Received: 06/23/08

WSCF

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
VOA Ground Water Protection											
1,1-Dichloroethene	75-35-4	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
Trichloroethene	79-01-6	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
Benzene	71-43-2	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
Toluene	108-88-3	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
Chlorobenzene	108-90-7	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
1,1-Dichloroethane	75-34-3	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
Ethylbenzene	100-41-4	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
1,2-Dichloroethane	107-06-2	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
4-Methyl-2-Pentanone	108-10-1	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
Tetrachloroethene	127-18-4	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
Xylenes (total)	1330-20-7	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
Carbon tetrachloride	56-23-5	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
Acetone	67-64-1	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
Chloroform	67-66-3	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
1,1,1-Trichloroethane	71-55-6	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
Vinyl chloride	75-01-4	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
Methylenechloride	75-09-2	LA-523-455		41.0	ug/L			1.00	1.0		07/02/08
Carbon disulfide	75-15-0	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
2-Butanone	78-93-3	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
1,1,2-Trichloroethane	79-00-5	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
1-Butanol	71-36-3	LA-523-455	U	< 100	ug/L			1.00	1.0e+02		07/02/08
Tetrahydrofuran	109-99-9	LA-523-455	U	< 2.00	ug/L			1.00	2.0		07/02/08
trans-1,2-Dichloroethylene	156-60-5	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08
cis-1,2-Dichloroethylene	156-59-2	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08

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)
J - Analyte < lowest calibration but > = MDL.(org)
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U - Analyzed for but not detected above limiting criteria.(org)

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N - Spike sample recovery is outside control limits.(inorg)
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WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: W08-004
Sample # W08P002962
Client ID: B1V393 TRENT WSCF
Matrix: WATER

Group #: WSCF20081245
Department: Organic
Sampled: 06/22/08
Received: 06/23/08

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
Ethyl cyanide	107-12-0	LA-523-455	U	< 2.00	ug/L			1.00	2.0		07/02/08
1,4-Dichlorobenzene	106-46-7	LA-523-455	U	< 1.00	ug/L			1.00	1.0		07/02/08

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)
J - Analyte < lowest calibration but > = MDL.(org)
U - Analyzed for but not detected above limiting criteria(inorg)
U - Analyzed for but not detected above limiting criteria.(org)

D - Analyte was identified at a secondary dilution factor(inorg)
N - Spike sample recovery is outside control limits.(inorg)
U - Analyzed for but not detected above limiting criteria.

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WSCF
TENTATIVELY IDENTIFIED PEAK REPORT

Attention: Steve Trent E6-35

Group #: WSCF20081245
Department: Organic

Sample #	Client ID		Test Name	Peak Name	CAS#	RT	RQ	Result	Units
W08P002942	B1VPT1	TRENT	VOA Ground Water Protection	SMP 1 Total 1,2-dichloroethe	540-59-0	1		1.3e+02	ug/L
W08P002943	B1VPT2	TRENT	VOA Ground Water Protection	SMP 1 Total 1,2-dichloroethe	540-59-0	1		1.3e+02	ug/L

RQ=Result Qualifier

WSCF ANALYTICAL LABORATORY QC REPORT

Department: Organic

SDG Number: WSCF20081245
Matrix: WATER
Test: VOA Ground Water Protection

Sample Date: 06/22/08
Receive Date:06/23/08

Lab ID: W08P002912
BATCH QC ASSOCIATED WITH SAMPLE

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Lower Limit	Upper Limit	RPD(%)	RPD Limit	RQ	Analysis Date
MS	1,1-Dichloroethene	75-35-4	26.580	106.000	% Recov	63.000	117.000				07/01/08
MS	Benzene	71-43-2	25.200	101.000	% Recov	75.000	129.000				07/01/08
MS	4-Bromofluorobenzene(Surr)	460-00-4	50.280	101.000	% Recov	75.000	125.000				07/01/08
MS	Chlorobenzene	108-90-7	25.790	103.000	% Recov	79.000	119.000				07/01/08
MS	1,2-Dichloroethane-d4(Surr)	17060-07-0	52.370	105.000	% Recov	75.000	125.000				07/01/08
MS	Toluene-d8(Surr)	2037-26-5	47.630	95.300	% Recov	75.000	125.000				07/01/08
MS	Toluene	108-88-3	26.160	105.000	% Recov	76.000	120.000				07/01/08
MS	Trichloroethene	79-01-6	24.921	99.700	% Recov	73.000	123.000				07/01/08
MSD	1,1-Dichloroethene	75-35-4	26.810	107.000	% Recov	63.000	117.000				07/02/08
MSD	Benzene	71-43-2	26.060	104.000	% Recov	75.000	129.000				07/02/08
MSD	4-Bromofluorobenzene(Surr)	460-00-4	50.520	101.000	% Recov	75.000	125.000				07/02/08
MSD	Chlorobenzene	108-90-7	26.180	105.000	% Recov	79.000	119.000				07/02/08
MSD	1,2-Dichloroethane-d4(Surr)	17060-07-0	51.990	104.000	% Recov	75.000	125.000				07/02/08
MSD	Toluene-d8(Surr)	2037-26-5	47.930	95.900	% Recov	75.000	125.000				07/02/08
MSD	Toluene	108-88-3	26.730	107.000	% Recov	76.000	120.000				07/02/08
MSD	Trichloroethene	79-01-6	25.891	104.000	% Recov	73.000	123.000				07/02/08
SPK-RPD	1,1-Dichloroethene	75-35-4	107.000		RPD			0.939	20.000		07/02/08
SPK-RPD	Benzene	71-43-2	104.000		RPD			2.927	20.000		07/02/08
SPK-RPD	4-Bromofluorobenzene(Surr)	460-00-4	101.000		RPD			0.000	20.000		07/02/08
SPK-RPD	Chlorobenzene	108-90-7	105.000		RPD			1.923	20.000		07/02/08
SPK-RPD	1,2-Dichloroethane-d4(Surr)	17060-07-0	104.000		RPD			0.957	20.000		07/02/08
SPK-RPD	Toluene-d8(Surr)	2037-26-5	95.900		RPD			0.628	20.000		07/02/08
SPK-RPD	Toluene	108-88-3	107.000		RPD			1.887	20.000		07/02/08
SPK-RPD	Trichloroethene	79-01-6	104.000		RPD			4.222	20.000		07/02/08
SURR	4-Bromofluorobenzene(Surr)	460-00-4	50.350	101.000	% Recov	75.000	125.000				07/01/08
SURR	1,2-Dichloroethane-d4(Surr)	17060-07-0	50.840	102.000	% Recov	75.000	125.000				07/01/08

WSCF ANALYTICAL LABORATORY QC REPORT

Department: Organic

SDG Number: WSCF20081245
Matrix: WATER
Test: VOA Ground Water Protection

Sample Date: 06/22/08
Receive Date:06/23/08

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Lower Limit	Upper Limit	RPD(%)	RPD Limit	RQ	Analysis Date
SURR	Toluene-d8(Surr)	2037-26-5	47.340	94.700	% Recov	75.000	125.000				07/01/08
Lab ID: W08P002914											
BATCH QC ASSOCIATED WITH SAMPLE											
SURR	4-Bromofluorobenzene(Surr)	460-00-4	50.370	101.000	% Recov	75.000	125.000				07/02/08
SURR	1,2-Dichloroethane-d4(Surr)	17060-07-0	53.880	108.000	% Recov	75.000	125.000				07/02/08
SURR	Toluene-d8(Surr)	2037-26-5	48.020	96.000	% Recov	75.000	125.000				07/02/08
Lab ID: W08P002915											
BATCH QC ASSOCIATED WITH SAMPLE											
SURR	4-Bromofluorobenzene(Surr)	460-00-4	50.450	101.000	% Recov	75.000	125.000				07/02/08
SURR	1,2-Dichloroethane-d4(Surr)	17060-07-0	52.430	105.000	% Recov	75.000	125.000				07/02/08
SURR	Toluene-d8(Surr)	2037-26-5	47.930	95.900	% Recov	75.000	125.000				07/02/08
Lab ID: W08P002916											
BATCH QC ASSOCIATED WITH SAMPLE											
SURR	4-Bromofluorobenzene(Surr)	460-00-4	50.790	102.000	% Recov	75.000	125.000				07/02/08
SURR	1,2-Dichloroethane-d4(Surr)	17060-07-0	55.730	111.000	% Recov	75.000	125.000				07/02/08
SURR	Toluene-d8(Surr)	2037-26-5	47.710	95.400	% Recov	75.000	125.000				07/02/08
Lab ID: W08P002942											
BATCH QC ASSOCIATED WITH SAMPLE											
SURR	4-Bromofluorobenzene(Surr)	460-00-4	51.060	102.000	% Recov	75.000	125.000				07/02/08
SURR	1,2-Dichloroethane-d4(Surr)	17060-07-0	51.670	103.000	% Recov	75.000	125.000				07/02/08
SURR	Toluene-d8(Surr)	2037-26-5	48.240	96.500	% Recov	75.000	125.000				07/02/08
Lab ID: W08P002943											
BATCH QC ASSOCIATED WITH SAMPLE											
SURR	4-Bromofluorobenzene(Surr)	460-00-4	50.540	101.000	% Recov	75.000	125.000				07/02/08
SURR	1,2-Dichloroethane-d4(Surr)	17060-07-0	52.680	105.000	% Recov	75.000	125.000				07/02/08

WSCF ANALYTICAL LABORATORY QC REPORT

Department: Organic

SDG Number: WSCF20081245
Matrix: WATER
Test: VOA Ground Water Protection

Sample Date: 06/22/08
Receive Date:06/23/08

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Lower Limit	Upper Limit	RPD(%)	RPD Limit	RQ	Analysis Date
SURR	Toluene-d8(Surr)	2037-26-5	48.390	96.800	% Recov	75.000	125.000				07/02/08
Lab ID: W08P002944											
BATCH QC ASSOCIATED WITH SAMPLE											
SURR	4-Bromofluorobenzene(Surr)	460-00-4	50.980	102.000	% Recov	75.000	125.000				07/02/08
SURR	1,2-Dichloroethane-d4(Surr)	17060-07-0	54.240	108.000	% Recov	75.000	125.000				07/02/08
SURR	Toluene-d8(Surr)	2037-26-5	48.730	97.500	% Recov	75.000	125.000				07/02/08
Lab ID: W08P002945											
BATCH QC ASSOCIATED WITH SAMPLE											
SURR	4-Bromofluorobenzene(Surr)	460-00-4	51.080	102.000	% Recov	75.000	125.000				07/02/08
SURR	1,2-Dichloroethane-d4(Surr)	17060-07-0	52.830	106.000	% Recov	75.000	125.000				07/02/08
SURR	Toluene-d8(Surr)	2037-26-5	48.680	97.400	% Recov	75.000	125.000				07/02/08
Lab ID: W08P002946											
BATCH QC ASSOCIATED WITH SAMPLE											
SURR	4-Bromofluorobenzene(Surr)	460-00-4	50.390	101.000	% Recov	75.000	125.000				07/02/08
SURR	1,2-Dichloroethane-d4(Surr)	17060-07-0	54.170	108.000	% Recov	75.000	125.000				07/02/08
SURR	Toluene-d8(Surr)	2037-26-5	48.190	96.400	% Recov	75.000	125.000				07/02/08
Lab ID: W08P002947											
BATCH QC ASSOCIATED WITH SAMPLE											
SURR	4-Bromofluorobenzene(Surr)	460-00-4	50.990	102.000	% Recov	75.000	125.000				07/02/08
SURR	1,2-Dichloroethane-d4(Surr)	17060-07-0	54.550	109.000	% Recov	75.000	125.000				07/02/08
SURR	Toluene-d8(Surr)	2037-26-5	48.010	96.000	% Recov	75.000	125.000				07/02/08
Lab ID: W08P002962											
BATCH QC ASSOCIATED WITH SAMPLE											
SURR	4-Bromofluorobenzene(Surr)	460-00-4	50.350	101.000	% Recov	75.000	125.000				07/02/08
SURR	1,2-Dichloroethane-d4(Surr)	17060-07-0	52.590	105.000	% Recov	75.000	125.000				07/02/08

WSCF ANALYTICAL LABORATORY QC REPORT

Department: Organic

SDG Number: WSCF20081245
Matrix: WATER
Test: VOA Ground Water Protection

Sample Date: 06/22/08
Receive Date:06/23/08

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Lower Limit	Upper Limit	RPD(%)	RPD Limit	RQ	Analysis Date
SURR	Toluene-d8(Surr)	2037-26-5	48.740	97.500	% Recov	75.000	125.000				07/02/08
BATCH QC											
BLANK	1,1-Dichloroethane	75-34-3	< 1.0	n/a	ug/L					U	07/01/08
BLANK	1,1,1-Trichloroethane	71-55-6	< 1.0	n/a	ug/L					U	07/01/08
BLANK	1,1,2-Trichloroethane	79-00-5	< 1.0	n/a	ug/L					U	07/01/08
BLANK	1,1-Dichloroethene	75-35-4	< 1.0	n/a	ug/L					U	07/01/08
BLANK	1,2-Dichloroethane	107-06-2	< 1.0	n/a	ug/L					U	07/01/08
BLANK	1,4-Dichlorobenzene	106-46-7	< 1.0	n/a	ug/L					U	07/01/08
BLANK	1-Butanol	71-36-3	< 100	n/a	ug/L					U	07/01/08
BLANK	4-Methyl-2-Pentanone	108-10-1	< 1.0	n/a	ug/L					U	07/01/08
BLANK	Acetone	67-64-1	< 1.0	n/a	ug/L					U	07/01/08
BLANK	Benzene	71-43-2	< 1.0	n/a	ug/L					U	07/01/08
BLANK	4-Bromofluorobenzene(Surr)	460-00-4	47.110	94.200	% Recov	75.000	125.000				07/01/08
BLANK	Carbon disulfide	75-15-0	< 1.0	n/a	ug/L					U	07/01/08
BLANK	Carbon tetrachloride	56-23-5	< 1.0	n/a	ug/L					U	07/01/08
BLANK	Chloroform	67-66-3	< 1.0	n/a	ug/L					U	07/01/08
BLANK	Chlorobenzene	108-90-7	< 1.0	n/a	ug/L					U	07/01/08
BLANK	cis-1,2-Dichloroethylene	156-59-2	< 1.0	n/a	ug/L					U	07/01/08
BLANK	1,2-Dichloroethane-d4(Surr)	17060-07-0	41.220	82.400	% Recov	75.000	125.000				07/01/08
BLANK	trans-1,2-Dichloroethylene	156-60-5	< 1.0	n/a	ug/L					U	07/01/08
BLANK	Ethylbenzene	100-41-4	< 1.0	n/a	ug/L					U	07/01/08
BLANK	Ethyl cyanide	107-12-0	< 2.0	n/a	ug/L					U	07/01/08
BLANK	2-Butanone	78-93-3	< 1.0	n/a	ug/L					U	07/01/08
BLANK	Methylenechloride	75-09-2	< 1.0	n/a	ug/L					U	07/01/08
BLANK	Tetrachloroethene	127-18-4	< 1.0	n/a	ug/L					U	07/01/08
BLANK	Xylenes (total)	1330-20-7	< 1.0	n/a	ug/L	0.000	5.000			U	07/01/08
BLANK	Tetrahydrofuran	109-99-9	< 2.0	n/a	ug/L					U	07/01/08
BLANK	Toluene-d8(Surr)	2037-26-5	47.480	95.000	% Recov	75.000	125.000				07/01/08
BLANK	Toluene	108-88-3	< 1.0	n/a	ug/L					U	07/01/08

WSCF ANALYTICAL LABORATORY QC REPORT

Department: Organic

SDG Number: WSCF20081245
Matrix: WATER
Test: VOA Ground Water Protection

Sample Date:
Receive Date:

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Lower Limit	Upper Limit	RPD(%)	RPD Limit	RQ	Analysis Date
BLANK	Trichloroethene	79-01-6	< 1.0	n/a	ug/L					U	07/01/08
BLANK	Vinyl chloride	75-01-4	< 1.0	n/a	ug/L					U	07/01/08
LCS	1,1-Dichloroethene	75-35-4	25.970	104.000	% Recov	75.000	125.000				07/02/08
LCS	Benzene	71-43-2	25.970	104.000	% Recov	75.000	125.000				07/02/08
LCS	4-Bromofluorobenzene(Surr)	460-00-4	50.510	101.000	% Recov	75.000	125.000				07/02/08
LCS	Chlorobenzene	108-90-7	26.270	105.000	% Recov	75.000	125.000				07/02/08
LCS	1,2-Dichloroethane-d4(Surr)	17060-07-0	53.080	106.000	% Recov	75.000	125.000				07/02/08
LCS	Toluene-d8(Surr)	2037-26-5	48.070	96.100	% Recov	75.000	125.000				07/02/08
LCS	Toluene	108-88-3	26.580	106.000	% Recov	75.000	125.000				07/02/08
LCS	Trichloroethene	79-01-6	23.250	93.000	% Recov	75.000	125.000				07/02/08

WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: A08-006
Sample # W08P002904
Client ID: B1VJF8 TRENT WSCF
Matrix: WATER

Group #: WSCF20081245
Department: Radiochemistry
Sampled: 06/22/08
Received: 06/23/08

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
Tritium by Liq Sct column prep											
Tritium	10028-17-8	LA-508-421		1.40e+04	pCi/L	+-2.80e+03	pCi/L	1.00	2.1e+02		07/03/08

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)
J - Analyte < lowest calibration but > = MDL.(org)
U - Analyzed for but not detected above limiting criteria(inorg)
U - Analyzed for but not detected above limiting criteria.(org)
D - Analyte was identified at a secondary dilution factor(inorg)
N - Spike sample recovery is outside control limits.(inorg)
U - Analyzed for but not detected above limiting criteria.

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

WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: A08-006
Sample # W08P002905
Client ID: B1VJF5 TRENT WSCF
Matrix: WATER

Group #: WSCF20081245
Department: Radiochemistry
Sampled: 06/22/08
Received: 06/23/08

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
TC99 by Liquid Scin.											
Tc-99 by Liquid Scin.	14133-76-7	LA-508-421		50.0	pCi/L	+-11.0	pCi/L	1.00	6.0		06/25/08
Tritium by Liq Sct column prep											
Tritium	10028-17-8	LA-508-421		320	pCi/L	+-147	pCi/L	1.00	2.1e+02		07/03/08

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)
J - Analyte < lowest calibration but > = MDL.(org)
U - Analyzed for but not detected above limiting criteria(inorg)
U - Analyzed for but not detected above limiting criteria.(org)

D - Analyte was identified at a secondary dilution factor(inorg)
N - Spike sample recovery is outside control limits.(inorg)
U - Analyzed for but not detected above limiting criteria.

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

WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: A08-006
Sample # W08P002906
Client ID: B1VLH3 TRENT **Matrix:** WATER

Group #: WSCF20081245
Department: Radiochemistry
Sampled: 06/22/08
Received: 06/23/08

WSCF

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
TC99 by Liquid Scin.											
Tc-99 by Liquid Scin.	14133-76-7	LA-508-421		55.0	pCi/L	+-12.1	pCi/L	1.00	6.0		06/25/08
Tritium by Liq Sct column prep											
Tritium	10028-17-8	LA-508-421		2.30e+03	pCi/L	+-506	pCi/L	1.00	2.1e+02		07/03/08

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)
J - Analyte < lowest calibration but > = MDL.(org)
U - Analyzed for but not detected above limiting criteria(inorg)
U - Analyzed for but not detected above limiting criteria.(org)
D - Analyte was identified at a secondary dilution factor(inorg)
N - Spike sample recovery is outside control limits.(inorg)
U - Analyzed for but not detected above limiting criteria.

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

WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: A08-006
Sample # W08P002907
Client ID: B1VJF1 TRENT WSCF
Matrix: WATER

Group #: WSCF20081245
Department: Radiochemistry
Sampled: 06/22/08
Received: 06/23/08

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
TC99 by Liquid Scin.											
Tc-99 by Liquid Scin.	14133-76-7	LA-508-421		54.0	pCi/L	+-11.9	pCi/L	1.00	6.0		06/25/08
Tritium by Liq Sct column prep											
Tritium	10028-17-8	LA-508-421		370	pCi/L	+-155	pCi/L	1.00	2.1e+02		07/03/08

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)
J - Analyte < lowest calibration but > = MDL.(org)
U - Analyzed for but not detected above limiting criteria(inorg)
U - Analyzed for but not detected above limiting criteria.(org)
D - Analyte was identified at a secondary dilution factor(inorg)
N - Spike sample recovery is outside control limits.(inorg)
U - Analyzed for but not detected above limiting criteria.

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

WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: A08-006
Sample # W08P002908
Client ID: B1VJH9 TRENT **Matrix:** WATER

Group #: WSCF20081245
Department: Radiochemistry
Sampled: 06/22/08
Received: 06/23/08

WSCF

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
TC99 by Liquid Scin.											
Tc-99 by Liquid Scin.	14133-76-7	LA-508-421		58.0	pCi/L	+-12.2	pCi/L	1.00	6.0		06/25/08
Tritium by Liq Sct column prep											
Tritium	10028-17-8	LA-508-421		3.00e+03	pCi/L	+-630	pCi/L	1.00	2.1e+02		07/03/08

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)
J - Analyte < lowest calibration but > = MDL.(org)
U - Analyzed for but not detected above limiting criteria(inorg)
U - Analyzed for but not detected above limiting criteria.(org)
D - Analyte was identified at a secondary dilution factor(inorg)
N - Spike sample recovery is outside control limits.(inorg)
U - Analyzed for but not detected above limiting criteria.

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

WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: A08-006
Sample # W08P002909
Client ID: B1VJH1 TRENT WSCF **Matrix:** WATER

Group #: WSCF20081245
Department: Radiochemistry
Sampled: 06/22/08
Received: 06/23/08

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
TC99 by Liquid Scin.											
Tc-99 by Liquid Scin.	14133-76-7	LA-508-421		53.0	pCi/L	+-11.7	pCi/L	1.00	6.0		06/25/08
Tritium by Liq Sct column prep											
Tritium	10028-17-8	LA-508-421		2.20e+03	pCi/L	+-484	pCi/L	1.00	2.1e+02		07/03/08

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)
J - Analyte < lowest calibration but > = MDL.(org)
U - Analyzed for but not detected above limiting criteria(inorg)
U - Analyzed for but not detected above limiting criteria.(org)

D - Analyte was identified at a secondary dilution factor(inorg)
N - Spike sample recovery is outside control limits.(inorg)
U - Analyzed for but not detected above limiting criteria.

WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: A08-006
Sample # W08P002910
Client ID: B1VJF9 TRENT WSCF
Matrix: WATER

Group #: WSCF20081245
Department: Radiochemistry
Sampled: 06/22/08
Received: 06/23/08

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
Tritium by Liq Sct column prep											
Tritium	10028-17-8	LA-508-421		1.40e+04	pCi/L	+-2.80e+03	pCi/L	1.00	2.1e+02		07/03/08

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)
J - Analyte < lowest calibration but > = MDL.(org)
U - Analyzed for but not detected above limiting criteria(inorg)
U - Analyzed for but not detected above limiting criteria.(org)
D - Analyte was identified at a secondary dilution factor(inorg)
N - Spike sample recovery is outside control limits.(inorg)
U - Analyzed for but not detected above limiting criteria.

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

WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: I08-044
Sample # W08P002912
Client ID: B1VL39 TRENT **Matrix:** WATER

Group #: WSCF20081245
Department: Radiochemistry
Sampled: 06/22/08
Received: 06/23/08

WSCF

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
TC99 by Liquid Scin.											
Tc-99 by Liquid Scin.	14133-76-7	LA-508-421		220	pCi/L	+-44.0	pCi/L	1.00	6.0		06/25/08
Tritium by Liq Sct column prep											
Tritium	10028-17-8	LA-508-421		7.10e+03	pCi/L	+-1.42e+03	pCi/L	1.00	2.1e+02		07/03/08

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)
J - Analyte < lowest calibration but > = MDL.(org)
U - Analyzed for but not detected above limiting criteria(inorg)
U - Analyzed for but not detected above limiting criteria.(org)

D - Analyte was identified at a secondary dilution factor(inorg)
N - Spike sample recovery is outside control limits.(inorg)
U - Analyzed for but not detected above limiting criteria.

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

WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: I08-044
Sample # W08P002914
Client ID: B1VL35 TRENT **Matrix:** WATER

Group #: WSCF20081245
Department: Radiochemistry
Sampled: 06/22/08
Received: 06/23/08

WSCF

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
TC99 by Liquid Scin.											
Tc-99 by Liquid Scin.	14133-76-7	LA-508-421		240	pCi/L	+-48.0	pCi/L	1.00	6.0		06/25/08
Tritium by Liq Sct column prep											
Tritium	10028-17-8	LA-508-421		6.70e+03	pCi/L	+-1.34e+03	pCi/L	1.00	2.1e+02		07/03/08

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)
J - Analyte < lowest calibration but > = MDL.(org)
U - Analyzed for but not detected above limiting criteria(inorg)
U - Analyzed for but not detected above limiting criteria.(org)

D - Analyte was identified at a secondary dilution factor(inorg)
N - Spike sample recovery is outside control limits.(inorg)
U - Analyzed for but not detected above limiting criteria.

WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: I08-043
Sample # W08P002915
Client ID: B1VKY9 TRENT **Matrix:** WATER

Group #: WSCF20081245
Department: Radiochemistry
Sampled: 06/22/08
Received: 06/23/08

WSCF

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
Tritium by Liq Sct column prep											
Tritium	10028-17-8	LA-508-421		8.90e+04	pCi/L	+-1.78e+04	pCi/L	1.00	2.1e+02		07/03/08

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)
J - Analyte < lowest calibration but > = MDL.(org)
U - Analyzed for but not detected above limiting criteria(inorg)
U - Analyzed for but not detected above limiting criteria.(org)

D - Analyte was identified at a secondary dilution factor(inorg)
N - Spike sample recovery is outside control limits.(inorg)
U - Analyzed for but not detected above limiting criteria.

WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: S08-006
Sample # W08P002918
Client ID: B1VLY7 TRENT **Matrix:** WATER

Group #: WSCF20081245
Department: Radiochemistry
Sampled: 06/22/08
Received: 06/23/08

WSCF

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
Tritium by Liq Sct column prep											
Tritium	10028-17-8	LA-508-421	U	23.0	pCi/L	+-80.5	pCi/L	1.00	2.1e+02		07/03/08

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)
J - Analyte < lowest calibration but > = MDL.(org)
U - Analyzed for but not detected above limiting criteria(inorg)
U - Analyzed for but not detected above limiting criteria.(org)

D - Analyte was identified at a secondary dilution factor(inorg)
N - Spike sample recovery is outside control limits.(inorg)
U - Analyzed for but not detected above limiting criteria.

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

WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: S08-006
Sample # W08P002925
Client ID: B1VLH7 TRENT
Matrix: WATER

Group #: WSCF20081245
Department: Radiochemistry
Sampled: 06/22/08
Received: 06/23/08

WSCF

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
Gross Alpha on Alpha Plateau											
Gross alpha on alpha plateau	12587-46-1	LA-508-415		11.0	pCi/L	+-3.30	pCi/L	1.00	2.8		07/15/08
Gross Alpha/Gross Beta (AB32)											
Gross beta	12587-47-2	LA-508-415		59.0	pCi/L	+-7.67	pCi/L	1.00	4.3		07/09/08
Strontium 89/90											
Strontium-89/90	SR-RAD	LA-508-415	U	-2.20	pCi/L	+-2.38	pCi/L	1.00	0.88		07/03/08
Sr-85 Tracer by Beta Counting	SR85	LA-508-415		97.5	Percent			1.00	0.0		07/03/08
Tritium by Liq Sct column prep											
Tritium	10028-17-8	LA-508-421		5.50e+03	pCi/L	+-1.10e+03	pCi/L	1.00	2.1e+02		07/03/08

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)
J - Analyte < lowest calibration but > = MDL.(org)
U - Analyzed for but not detected above limiting criteria(inorg)
U - Analyzed for but not detected above limiting criteria.(org)

D - Analyte was identified at a secondary dilution factor(inorg)
N - Spike sample recovery is outside control limits.(inorg)
U - Analyzed for but not detected above limiting criteria.

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

WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: S08-006
Sample # W08P002927
Client ID: B1VLH3 TRENT WSCF **Matrix:** WATER

Group #: WSCF20081245
Department: Radiochemistry
Sampled: 06/22/08
Received: 06/23/08

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
Gross Alpha on Alpha Plateau											
Gross alpha on alpha plateau	12587-46-1	LA-508-415		5.00	pCi/L	+-2.25	pCi/L	1.00	2.6		07/15/08
Gross Alpha/Gross Beta (AB32)											
Gross beta	12587-47-2	LA-508-415		41.0	pCi/L	+-5.74	pCi/L	1.00	4.2		07/09/08
Tritium by Liq Sct column prep											
Tritium	10028-17-8	LA-508-421		1.20e+04	pCi/L	+-2.40e+03	pCi/L	1.00	2.3e+02		07/03/08

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)
J - Analyte < lowest calibration but > = MDL.(org)
U - Analyzed for but not detected above limiting criteria(inorg)
U - Analyzed for but not detected above limiting criteria.(org)

D - Analyte was identified at a secondary dilution factor(inorg)
N - Spike sample recovery is outside control limits.(inorg)
U - Analyzed for but not detected above limiting criteria.

WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: S08-006
Sample # W08P002929
Client ID: B1VLY4 TRENT **Matrix:** WATER

Group #: WSCF20081245
Department: Radiochemistry
Sampled: 06/22/08
Received: 06/23/08

Test Performed	CAS #	WSCF Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
Gross Alpha on Alpha Plateau											
Gross alpha on alpha plateau	12587-46-1	LA-508-415	U	1.50	pCi/L	+-1.47	pCi/L	1.00	2.3		07/15/08
Gross Alpha/Gross Beta (AB32)											
Gross beta	12587-47-2	LA-508-415		9.60	pCi/L	+-0.960	pCi/L	1.00	3.3		07/09/08

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)
J - Analyte < lowest calibration but > = MDL.(org)
U - Analyzed for but not detected above limiting criteria(inorg)
U - Analyzed for but not detected above limiting criteria.(org)

D - Analyte was identified at a secondary dilution factor(inorg)
N - Spike sample recovery is outside control limits.(inorg)
U - Analyzed for but not detected above limiting criteria.

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

WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: S08-006
Sample # W08P002940
Client ID: B1VLJ6 TRENT **Matrix:** WATER

Group #: WSCF20081245
Department: Radiochemistry
Sampled: 06/22/08
Received: 06/23/08

WSCF

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
TC99 by Liquid Scin.											
Tc-99 by Liquid Scin.	14133-76-7	LA-508-421		4.50e+03	pCi/L	+-900	pCi/L	1.00	5.9		07/05/08

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)
J - Analyte < lowest calibration but > = MDL.(org)
U - Analyzed for but not detected above limiting criteria(inorg)
U - Analyzed for but not detected above limiting criteria.(org)

D - Analyte was identified at a secondary dilution factor(inorg)
N - Spike sample recovery is outside control limits.(inorg)
U - Analyzed for but not detected above limiting criteria.

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

WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: S08-006
Sample # W08P002941
Client ID: B1VLJ7 TRENT WSCF
Matrix: WATER

Group #: WSCF20081245
Department: Radiochemistry
Sampled: 06/22/08
Received: 06/23/08

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
TC99 by Liquid Scin.											
Tc-99 by Liquid Scin.	14133-76-7	LA-508-421		4.20e+03	pCi/L	+-840	pCi/L	1.00	5.9		07/05/08

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)
J - Analyte < lowest calibration but > = MDL.(org)
U - Analyzed for but not detected above limiting criteria(inorg)
U - Analyzed for but not detected above limiting criteria.(org)
D - Analyte was identified at a secondary dilution factor(inorg)
N - Spike sample recovery is outside control limits.(inorg)
U - Analyzed for but not detected above limiting criteria.

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

WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: W08-006
Sample # W08P002947
Client ID: B1VPT5 TRENT WSCF **Matrix:** WATER

Group #: WSCF20081245
Department: Radiochemistry
Sampled: 06/22/08
Received: 06/23/08

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
Gamma Energy Analysis-grd H2O											
Antimony-125	14234-35-6	LA-508-481	U	1.96	pCi/L	+-14.6	pCi/L	1.00	26		07/11/08
Cobalt-60	10198-40-0	LA-508-481	U	-0.565	pCi/L	+-5.65	pCi/L	1.00	10		07/11/08
Cesium-134	13967-70-9	LA-508-481	U	0.344	pCi/L	+-3.44	pCi/L	1.00	11		07/11/08
Cesium-137	10045-97-3	LA-508-481	U	5.27	pCi/L	+-6.03	pCi/L	1.00	11		07/11/08
Europium-152	14683-23-9	LA-508-481	U	7.76	pCi/L	+-16.5	pCi/L	1.00	28		07/11/08
Europium-154	15585-10-1	LA-508-481	U	15.5	pCi/L	+-16.9	pCi/L	1.00	31		07/11/08
Europium-155	14391-16-3	LA-508-481	U	3.37	pCi/L	+-19.7	pCi/L	1.00	33		07/11/08
Potassium-40	13966-00-2	LA-508-481	U	57.7	pCi/L	+-104	pCi/L	1.00	1.7e+02		07/11/08
Ruthenium-106	13967-48-1	LA-508-481	U	-12.4	pCi/L	+-57.2	pCi/L	1.00	97		07/11/08
Be-7 by GEA	13966-02-4	LA-508-481	U	2.80	pCi/L	+-28.0	pCi/L	1.00	78		07/11/08

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)
J - Analyte < lowest calibration but > = MDL.(org)
U - Analyzed for but not detected above limiting criteria(inorg)
U - Analyzed for but not detected above limiting criteria.(org)

D - Analyte was identified at a secondary dilution factor(inorg)
N - Spike sample recovery is outside control limits.(inorg)
U - Analyzed for but not detected above limiting criteria.

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WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: W08-006
Sample # W08P003015
Client ID: B1VRL9 TRENT **Matrix:** WATER

Group #: WSCF20081245
Department: Radiochemistry
Sampled: 06/22/08
Received: 06/23/08

WSCF

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
TC99 by Liquid Scin.											
Tc-99 by Liquid Scin.	14133-76-7	LA-508-421		7.90	pCi/L	+-4.03	pCi/L	1.00	5.9		07/05/08

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

B - The analyte < the MDL but > = the IDL/MDL (inorg)
J - Analyte < lowest calibration but > = MDL.(org)
U - Analyzed for but not detected above limiting criteria(inorg)
U - Analyzed for but not detected above limiting criteria.(org)

D - Analyte was identified at a secondary dilution factor(inorg)
N - Spike sample recovery is outside control limits.(inorg)
U - Analyzed for but not detected above limiting criteria.

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WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: W08-006
Sample # W08P003019
Client ID: B1VRM7 TRENT **Matrix:** WATER

Group #: WSCF20081245
Department: Radiochemistry
Sampled: 06/22/08
Received: 06/23/08

WSCF

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
TC99 by Liquid Scin.											
Tc-99 by Liquid Scin.	14133-76-7	LA-508-421		6.00	pCi/L	+-3.84	pCi/L	1.00	5.9		07/05/08

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)
J - Analyte < lowest calibration but > = MDL.(org)
U - Analyzed for but not detected above limiting criteria(inorg)
U - Analyzed for but not detected above limiting criteria.(org)

D - Analyte was identified at a secondary dilution factor(inorg)
N - Spike sample recovery is outside control limits.(inorg)
U - Analyzed for but not detected above limiting criteria.

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WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent E6-35
SAF Number: W08-006
Sample # W08P003025
Client ID: B1VPD3 TRENT **Matrix:** WATER

Group #: WSCF20081245
Department: Radiochemistry
Sampled: 06/22/08
Received: 06/23/08

WSCF

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
TC99 by Liquid Scin.											
Tc-99 by Liquid Scin.	14133-76-7	LA-508-421		100	pCi/L	+-21.0	pCi/L	1.00	5.9		07/05/08

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)
J - Analyte < lowest calibration but > = MDL.(org)
U - Analyzed for but not detected above limiting criteria(inorg)
U - Analyzed for but not detected above limiting criteria.(org)

D - Analyte was identified at a secondary dilution factor(inorg)
N - Spike sample recovery is outside control limits.(inorg)
U - Analyzed for but not detected above limiting criteria.

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WSCF ANALYTICAL LABORATORY QC REPORT

Department: Radiochemistry

SDG Number: WSCF20081245
Matrix: WATER
Test: Gamma Energy Analysis-grd H2O

Sample Date: 06/22/08
Receive Date:06/23/08

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Lower Limit	Upper Limit	RPD(%)	RPD Limit	RQ	Analysis Date
Lab ID: W08P002947											
BATCH QC ASSOCIATED WITH SAMPLE											
DUP	Cobalt-60	10198-40-0	U-1.478		RPD			n/a	20.000		07/07/08
DUP	Cesium-134	13967-70-9	U3.577		RPD			n/a	20.000		07/07/08
DUP	Cesium-137	10045-97-3	U3.315		RPD			n/a	20.000		07/07/08
DUP	Europium-152	14683-23-9	U-16.48		RPD			n/a	20.000		07/07/08
DUP	Europium-154	15585-10-1	U1.268		RPD			n/a	20.000		07/07/08
DUP	Europium-155	14391-16-3	U1.951		RPD			n/a	20.000		07/07/08
DUP	Potassium-40	13966-00-2	U-40.17		RPD			n/a	20.000		07/07/08
DUP	Ruthenium-106	13967-48-1	U42.99		RPD			n/a	20.000		07/07/08
DUP	Antimony-125	14234-35-6	U3.31		RPD			n/a	20.000		07/07/08
BATCH QC											
BLANK	Cobalt-60	10198-40-0	U1.494	n/a	pCi/L	-10.000	1000.000				07/09/08
BLANK	Cesium-134	13967-70-9	U2.894e-2	n/a	pCi/L	-10.000	1000.000				07/09/08
BLANK	Cesium-137	10045-97-3	U-0.624	n/a	pCi/L	-10.000	1000.000				07/09/08
BLANK	Europium-152	14683-23-9	U-4.523	n/a	pCi/L	-10.000	1000.000				07/09/08
BLANK	Europium-154	15585-10-1	U-6.413	n/a	pCi/L	-10.000	1000.000				07/09/08
BLANK	Europium-155	14391-16-3	U13.2	n/a	pCi/L	-10.000	1000.000				07/09/08
BLANK	Potassium-40	13966-00-2	U25.8	n/a	pCi/L	-10.000	1000.000				07/09/08
BLANK	Ruthenium-106	13967-48-1	U-10.69	n/a	pCi/L	-10.000	1000.000				07/09/08
BLANK	Antimony-125	14234-35-6	U1.574	n/a	pCi/L	-10.000	1000.000				07/09/08
LCS	Cobalt-60	10198-40-0	10100	101.610	% Recov	80.000	120.000				07/08/08
LCS	Cesium-137	10045-97-3	6147	101.772	% Recov	80.000	120.000				07/08/08

WSCF ANALYTICAL LABORATORY QC REPORT

Department: Radiochemistry

SDG Number: WSCF20081245
Matrix: WATER
Test: Gross Alpha on Alpha Plateau

Sample Date: 06/22/08
Receive Date:06/23/08

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Lower Limit	Upper Limit	RPD(%)	RPD Limit	RQ	Analysis Date
Lab ID: W08P002925											
BATCH QC ASSOCIATED WITH SAMPLE											
DUP	Gross alpha on alpha plateau	12587-46-1	1.4E+01		RPD			24.000	20.000 *		07/15/08
BATCH QC											
BLANK	Gross alpha on alpha plateau	12587-46-1-ap	U-9.0E-02	n/a	pCi/L	-100.000	100.000				07/15/08
LCS	Gross alpha on alpha plateau	12587-46-1-ap	36.8	94.992	% Recov	80.000	120.000				07/15/08

WSCF ANALYTICAL LABORATORY QC REPORT

Department: Radiochemistry

SDG Number: WSCF20081245
Matrix: WATER
Test: Gross Alpha/Gross Beta (AB32)

Sample Date: 06/22/08
Receive Date:06/23/08

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Lower Limit	Upper Limit	RPD(%)	RPD Limit	RQ	Analysis Date
Lab ID: W08P002925											
BATCH QC ASSOCIATED WITH SAMPLE											
DUP	Gross beta	12587-47-2	9.5E+01		RPD			46.753	20.000 *		07/09/08
BATCH QC											
BLANK	Gross beta	12587-47-2	U6.6E-01	n/a	pCi/L	-10.000	10.000				07/09/08
LCS	Gross beta	12587-47-2	126	112.299	% Recov	80.000	120.000				07/09/08

WSCF ANALYTICAL LABORATORY QC REPORT

Department: Radiochemistry

SDG Number: WSCF20081245
Matrix: WATER
Test: Strontium 89/90

Sample Date: 06/22/08
Receive Date:06/23/08

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Lower Limit	Upper Limit	RPD(%)	RPD Limit	RQ	Analysis Date
Lab ID: W08P002925											
BATCH QC ASSOCIATED WITH SAMPLE											
DUP	Sr-85 Tracer by Beta Counting	SR85	101.5	101.500	% Recov	30.000	105.000				07/03/08
DUP	Strontium-89/90	SR-RAD	U-3.8		RPD			n/a	20.000		07/03/08
SURR	Sr-85 Tracer by Beta Counting	SR85	97.5	97.500	% Recov	30.000	105.000				07/03/08
BATCH QC											
BLANK	Sr-85 Tracer by Beta Counting	SR85	92.1	92.100	% Recov	30.000	105.000				07/03/08
BLANK	Strontium-89/90	10098-97-2	U-1.4	n/a	pCi/L	-10.000	100.000				07/03/08
LCS	Sr-85 Tracer by Beta Counting	SR85	87.8	87.800	% Recov	30.000	105.000				07/03/08
LCS	Strontium-89/90	10098-97-2	155	109.386	% Recov	80.000	120.000				07/03/08

WSCF ANALYTICAL LABORATORY QC REPORT

Department: Radiochemistry

SDG Number: WSCF20081245
Matrix: WATER
Test: TC99 by Liquid Scin.

Sample Date: 06/11/08
Receive Date:06/11/08

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Lower Limit	Upper Limit	RPD(%)	RPD Limit	RQ	Analysis Date
Lab ID: W08P002871											
BATCH QC ASSOCIATED WITH SAMPLE											
DUP	Tc-99 by Liquid Scin.	14133-76-7	6.4E+01		RPD			3.175	20.000		06/25/08
MS	Tc-99 by Liquid Scin.	14133-76-7	813.3	108.116	% Recov	75.000	125.000				06/25/08
BATCH QC											
BLANK	Tc-99 by Liquid Scin.	14133-76-7	U-1.3	n/a	pCi/L	-10.000	10.000				06/25/08
LCS	Tc-99 by Liquid Scin.	14133-76-7	200.6	106.645	% Recov	80.000	120.000				06/25/08
Lab ID: W08P002940											
BATCH QC ASSOCIATED WITH SAMPLE											
DUP	Tc-99 by Liquid Scin.	14133-76-7	4.2E+03		RPD			6.897	20.000		07/05/08
MS	Tc-99 by Liquid Scin.	14133-76-7	423.4	56.284	% Recov	75.000	125.000				07/05/08
BATCH QC											
BLANK	Tc-99 by Liquid Scin.	14133-76-7	U-2.2	n/a	pCi/L	-10.000	10.000				07/05/08
LCS	Tc-99 by Liquid Scin.	14133-76-7	202.2	107.496	% Recov	80.000	120.000				07/05/08

WSCF ANALYTICAL LABORATORY QC REPORT

Department: Radiochemistry

SDG Number: WSCF20081245
Matrix: WATER
Test: Tritium by Liq Sct column prep

Sample Date: 06/20/08
Receive Date:06/20/08

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Lower Limit	Upper Limit	RPD(%)	RPD Limit	RQ	Analysis Date
Lab ID: W08P002901											
BATCH QC ASSOCIATED WITH SAMPLE											
DUP	Tritium	10028-17-8	2.3E+04		RPD			4.444	20.000		07/03/08
MS	Tritium	10028-17-8	23200.0	89.824	% Recov	75.000	125.000				07/03/08
BATCH QC											
BLANK	Tritium	10028-17-8	U1.9E+01	n/a	pCi/L	-10.000	1000.000				07/03/08
LCS	Tritium	10028-17-8	3130.0	91.424	% Recov	80.000	120.000				07/03/08
Lab ID: W08P002927											
BATCH QC ASSOCIATED WITH SAMPLE											
DUP	Tritium	10028-17-8	1.2E+04		RPD			0.000	20.000		07/03/08
MS	Tritium	10028-17-8	22200	85.953	% Recov	75.000	125.000				07/03/08
BATCH QC											
BLANK	Tritium	10028-17-8	U-3.8E+01	n/a	pCi/L	-10.000	1000.000				07/03/08
LCS	Tritium	10028-17-8	3090.	90.256	% Recov	80.000	120.000				07/03/08

WSCF
ANALYTICAL COMMENT REPORT

Attention: Steve Trent E6-35

Group #: WSCF20081245
Department: Radiochemistry

Sample #	Client ID	Lab Area	Test	Comment
		VALGROUP		TOC: All samples on this worklist insufficiently acidified. Sample W08P002704 had no acid in it. JGD 7/9/2008 W08P002925, W08P02927, W08P002929/ Beta duplicate is flagged for poor RPD. Since all the other QC checks came out fine, this batch has been approved. lmh ICP-AES: [Sample W08P2911-2914; 2917-2918; 2928-2929; 2936] No zirconium present in the LCS standard. Magnesium, calcium, and sodium sample results exceed spiking level by a factor of 4 so spike recoveries are not valid. Check standard is used to ensure sodium, magnesium, and calcium linearity because sample results are greater than the calibration standard. IC Anion - MS recovery low for nitrite in sample W08P002939; Data N-flagged. DTS IC Anion - Sample hold times missed for samples: W08P002918, 2927, 2929, 2938-39, 2959, 2988, 2991, 2994, 2997, 3000, 3008, 3011, 3015, 3019, 3025. DTS Tc-99 matrix spike recovery is low due to the high Tc99

Lab Areas: VALGROUP - Group Validation
LOGSAMP - Login for Sample
VALTEST - Test Validation
LOGTEST - Login for Tests
TESTDATA - Test Data Entry

WSCF
ANALYTICAL COMMENT REPORT

Attention: Steve Trent E6-35

Group #: WSCF20081245
Department: Radiochemistry

Sample #	Client ID	Lab Area	Test	Comment
				activity in the sample. lmh
				ICP-AES: [Sample W08P2937-2939; 2957; 2959-2961; 2987-2991; 2993-2994; 2996-2997; 2999-3000; 3007-3008; 3010] No zirconium present in the LCS standard. Magnesium, calcium, and sodium sample results exceed spiking level by a factor of 4 so spike recoveries are not valid. Check standard is used to ensure sodium, magnesium, and calcium linearity because sample results are greater than the calibration standard.
				ICP-AES: [Samples W08P3011; 3013; 3015; 3017; 3019; 3021; and 3025] No zirconium present in the LCS standard. Magnesium, calcium, and sodium sample results exceed spiking level by a factor of 4 so spike recoveries are not valid. Check standard is used to ensure sodium, magnesium, and calcium linearity because sample results are greater than the calibration standard.

Lab Areas: VALGROUP - Group Validation
LOGSAMP - Login for Sample
VALTEST - Test Validation
LOGTEST - Login for Tests
TESTDATA - Test Data Entry

M4W41-SLF-08-793

ATTACHMENT 5

SAMPLE RECEIPT INFORMATION

Consisting of 50 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

ACKNOWLEDGMENT OF SAMPLES RECEIVED

File
Due 8/6/08

GPAP

Richland, WA 99352
Attn: Steve Trent E6-35

Customer Code: PNNL-GPP
PO#: 122543
Group#: 20081245

The following samples were received from you on 06/23/08. 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
W08P002904	B1VJF8	@2008	TRENT Water @H3-33	06/22/08
W08P002905	B1VJF5	@2008	TRENT Water @H3-33 @TC99-30	06/22/08
W08P002906	B1VLH3	@2008	TRENT Water @H3-33 @TC99-30	06/22/08
W08P002907	B1VJF1	@2008	TRENT Water @H3-33 @TC99-30	06/22/08
W08P002908	B1VJH9	@2008	TRENT Water @H3-33 @TC99-30	06/22/08
W08P002909	B1VJH1	@2008	TRENT Water @H3-33 @TC99-30	06/22/08
W08P002910	B1VJF9	@2008	TRENT Water @H3-33	06/22/08
W08P002911	B1VL38	@2008	TRENT Water @GPP6010	06/22/08
W08P002912	B1VL39	@2008 @VOA-GPP	TRENT Water @GPP6010 @H3-33 @IC-30 @TC99-30	06/22/08
W08P002913	B1VL34	@2008	TRENT Water @GPP6010	06/22/08
W08P002914	B1VL35	@2008 @VOA-GPP	TRENT Water @GPP6010 @H3-33 @IC-30 @TC99-30	06/22/08
W08P002915	B1VKY9	@2008	TRENT Water @H3-33 @VOA-GPP	06/22/08
W08P002916	B1VL43	@2008	TRENT Water @IC-30 @VOA-GPP	06/22/08
W08P002917	B1VLY6	@GPP6010	TRENT Water	06/22/08

GPAP

Richland, WA 99352
Attn: Steve Trent E6-35

Customer Code: PNNL-GPP
PO#: 122543
Group#: 20081245

Sample#	Sample Id	Tests Scheduled	Matrix	Sample Date
W08P002918	B1VLY7	@GPP6010 @H3-33 @IC-30 @TC99-30 ALKALI	TRENT Water	06/22/08
W08P002924	B1VLH6	@2008	TRENT Water	06/22/08
W08P002925	B1VLH7	@2008 @AB-32 @H3-33 @SR89_90	TRENT Water	06/22/08
W08P002926	B1VLH2	@2008	TRENT Water	06/22/08
W08P002927	B1VLH3	@2008 @AB-32 @H3-33 @IC-30	TRENT Water	06/22/08
W08P002928	B1VLY3	@GPP6010	TRENT Water	06/22/08
W08P002929	B1VLY4	@AB-32 @GPP6010 @IC-30 ALKALI	TRENT Water	06/22/08
W08P002930	B1VLF4	@2008	TRENT Water	06/22/08
W08P002931	B1VLF5	@2008 ALKALI	TRENT Water	06/22/08
W08P002932	B1VLH1	ALKALI	TRENT Water	06/22/08
W08P002933	B1VLK9	ALKALI	TRENT Water	06/22/08
W08P002934	B1VLK0	ALKALI	TRENT Water	06/22/08
W08P002935	B1VLK2	ALKALI	TRENT Water	06/22/08
W08P002936	B1VLY0	@GPP6010	TRENT Water	06/22/08
W08P002937	B1VLX8	@GPP6010	TRENT Water	06/22/08
W08P002938	B1VLY1	@GPP6010 @IC-30 ALKALI	TRENT Water	06/22/08
W08P002939	B1VLX9	@GPP6010 @IC-30 ALKALI	TRENT Water	06/22/08
W08P002940	B1VLJ6	@TC99-30 ALKALI	TRENT Water	06/22/08
W08P002941	B1VLJ7	@TC99-30 ALKALI	TRENT Water	06/22/08
W08P002942	B1VPT1	@2008 @VOA-GPP	TRENT Water	06/22/08
W08P002943	B1VPT2	@2008 @VOA-GPP	TRENT Water	06/22/08

GPAP

Richland, WA 99352
Attn: Steve Trent E6-35

Customer Code: PNNL-GPP
PO#: 122543
Group#: 20081245

Sample#	Sample Id	Tests Scheduled	Matrix	Sample Date
W08P002944	B1VPV1	@2008 @VOA-GPP	TRENT Water	06/22/08
W08P002945	B1VPT9	@2008 @VOA-GPP	TRENT Water	06/22/08
W08P002946	B1VPT7	@2008 @VOA-GPP	TRENT Water	06/22/08
W08P002947	B1VPT5	@2008 @GEA-GPP @VOA-GPP	TRENT Water	06/22/08
W08P002957	B1VRD1	@GPP6010	TRENT Water	06/22/08
W08P002959	B1VRD2	@2008 @GPP6010 @IC-30 ALKALI	TRENT Water	06/22/08
W08P002960	B1VRC7	@GPP6010	TRENT Water	06/22/08
W08P002961	B1VRC8	@2008 @GPP6010 ALKALI	TRENT Water	06/22/08
W08P002962	B1V393	@VOA-GPP	TRENT Water	06/22/08
W08P002963	B1VMV4	TOC-30	TRENT Water	06/22/08
W08P002964	B1VMV5	TOC-30	TRENT Water	06/22/08
W08P002965	B1VMV6	TOC-30	TRENT Water	06/22/08
W08P002966	B1VMV7	TOC-30	TRENT Water	06/22/08
W08P002967	B1VMP4	TOC-30	TRENT Water	06/22/08
W08P002968	B1VMP5	TOC-30	TRENT Water	06/22/08
W08P002969	B1VMP6	TOC-30	TRENT Water	06/22/08
W08P002970	B1VMP7	TOC-30	TRENT Water	06/22/08
W08P002971	B1VMW9	TOC-30	TRENT Water	06/22/08
W08P002972	B1VMX0	TOC-30	TRENT Water	06/22/08
W08P002973	B1VMX1	TOC-30	TRENT Water	06/22/08
W08P002974	B1VMX2	TOC-30	TRENT Water	06/22/08

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PO#: 122543
Group#: 20081245

Sample#	Sample Id	Tests Scheduled	Matrix	Sample Date
W08P002975	B1VN20	TRENT	Water	06/22/08
		TOC-30		
W08P002976	B1VN21	TRENT	Water	06/22/08
		TOC-30		
W08P002977	B1VN22	TRENT	Water	06/22/08
		TOC-30		
W08P002978	B1VN23	TRENT	Water	06/22/08
		TOC-30		
W08P002979	B1VN65	TRENT	Water	06/22/08
		TOC-30 TOX		
W08P002980	B1VN66	TRENT	Water	06/22/08
		TOC-30 TOX		
W08P002981	B1VN67	TRENT	Water	06/22/08
		TOC-30 TOX		
W08P002982	B1VN68	TRENT	Water	06/22/08
		TOC-30 TOX		
W08P002983	B1VN05	TRENT	Water	06/22/08
		TOC-30		
W08P002984	B1VN06	TRENT	Water	06/22/08
		TOC-30		
W08P002985	B1VN07	TRENT	Water	06/22/08
		TOC-30		
W08P002986	B1VN08	TRENT	Water	06/22/08
		TOC-30		
W08P002987	B1VMV8	TRENT	Water	06/22/08
		@GPP6010		
W08P002988	B1VMV9	TRENT	Water	06/22/08
		@GPP6010 @IC-30		
W08P002989	B1VRC6	TRENT	Water	06/22/08
		CN-02		
W08P002990	B1VMP8	TRENT	Water	06/22/08
		@GPP6010		
W08P002991	B1VMP9	TRENT	Water	06/22/08
		@GPP6010 @IC-30		
W08P002992	B1VRC2	TRENT	Water	06/22/08
		CN-02		
W08P002993	B1VMX7	TRENT	Water	06/22/08
		@GPP6010		
W08P002994	B1VMX8	TRENT	Water	06/22/08
		@GPP6010 @IC-30		
W08P002995	B1VRD5	TRENT	Water	06/22/08
		CN-02		

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Customer Code: PNNL-GPP
PO#: 122543
Group#: 20081245

Sample#	Sample Id	Tests Scheduled	Matrix	Sample Date
W08P002996	B1VMX3	TRENT @GPP6010	Water	06/22/08
W08P002997	B1VMX4	TRENT @GPP6010 @IC-30	Water	06/22/08
W08P002998	B1VRD4	TRENT CN-02	Water	06/22/08
W08P002999	B1VN24	TRENT @GPP6010	Water	06/22/08
W08P003000	B1VN25	TRENT @GPP6010 @IC-30	Water	06/22/08
W08P003001	B1VRF0	TRENT CN-02	Water	06/22/08
W08P003007	B1VN69	TRENT @GPP6010	Water	06/22/08
W08P003008	B1VN70	TRENT @GPP6010 @IC-30	Water	06/22/08
W08P003009	B1VRF6	TRENT CN-02	Water	06/22/08
W08P003010	B1VN09	TRENT @GPP6010	Water	06/22/08
W08P003011	B1VN10	TRENT @GPP6010 @IC-30	Water	06/22/08
W08P003012	B1VRD8	TRENT CN-02	Water	06/22/08
W08P003013	B1VRL8	TRENT @GPP6010	Water	06/22/08
W08P003015	B1VRL9	TRENT @GPP6010 @IC-30 @TC99-30 ALKALI	Water	06/22/08
W08P003017	B1VRM6	TRENT @GPP6010	Water	06/22/08
W08P003019	B1VRM7	TRENT @GPP6010 @IC-30 @TC99-30 ALKALI	Water	06/22/08
W08P003021	B1VPD2	TRENT @GPP6010	Water	06/22/08
W08P003025	B1VPD3	TRENT @GPP6010 @IC-30 @TC99-30 ALKALI	Water	06/22/08

Test Acronym Description

Test Acronym	Description
@2008	ICP-200.8 MS All possible meta
@AB-32	Gross Alpha/Gross Beta (AB32)
@GEA-GPP	Gamma Energy Analysis-grd H2O
@GPP6010	ICP Metals Analysis, Grd H20 P

GPAP

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PO#: 122543
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Test Acronym Description

Test Acronym	Description
@H3-33	Tritium by Liq Sct column prep
@IC-30	Anions by Ion Chromatography
@SR89_90	Strontium 89/90
@TC99-30	TC99 by Liquid Scin.
@VOA-GPP	VOA Ground Water Protection
ALKALI	Total Alkalinity as mg/L CaCO3
CN-02	Cyanide by Midi/Spectrophotom
TOC-30	Total Organic Carbon
TOX	Total Organic Halides

FLUOR HANFORD 8/6/08

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

A08-006-9

Page 1 of 1

Collector	**Contact/Requester** Steve Trent	**Telephone No.** 509-373-5869 **MSIN** **FAX**
SAF No. A08-006	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title LLWMA(1)-PA JUNE 2008	HAE-N-506-16	**Ice Chest No.** **Temp.**
Shipped To (Lab) Waste Sampling & Characterization	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.**
Protocol Other	**Priority:** 45 Days	**Offsite Property No.**

POSSIBLE SAMPLE HAZARDS/REMARKS
•• •• Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

20081245

SPECIAL INSTRUCTIONS **Hold Time** Total Activity Exemption: Yes ☑ No ☐
200 Area Generator Knowledge Information Form applies.

Sample No.	Lab ID	•	Date	Time	No/Type Container	Sample Analysis	Preservative
B1VJF8	WCRP08294	W	6-22-08	0906	1x500-mL G/P	200.8_METALS_ICPMS: Uranium (1)	HNO3 to pH <2
B1VJF8		W	↓	↓	1x250-mL G	TRITIUM_EIE_LSC: Tritium (1) .	None

ICED

Relinquished By	Print / Sign	Date/Time	Received By	Print / Sign	Date/Time
	D.K. Brown	0930 6-23-08	F. M. Hall		0930 6-23-08
Relinquished By	F. M. Hall	Date/Time 1100 6-23-08	Received By		Date/Time 1100 6-23-08
Relinquished By		Date/Time	Received By		Date/Time
Relinquished By		Date/Time	Received By		Date/Time

Matrix •

S = Soil		DS = Drum Solid	
SE = Sediment		DL = Drum Liqui	
SO = Solid		T = Tissue	
SL = Sludge		WI = Wine	
W = Water		L = Liquid	
O = Oil		V = Vegetation	
A = Air		X = Other	

FINAL SAMPLE DISPOSITION Disposal Method (e.g., Return to customer, per lab procedure, used in process) Disposed By Date/Time

229 of 271

FLUOR HANFORD

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

A08-006-6

Page 1 of 1

Collector D. Woehle	**Contact/Requester** Steve Trent	**Telephone No.** 509-373-5869 **MSIN** **FAX**
SAF No. A08-006	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title LLWMA(1)-PA JUNE 2008	HNF-N-506 14	**Ice Chest No.** **Temp.**
Shipped To (Lab) Waste Sampling & Characterization	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.**
Protocol Other	**Priority:** 45 Days	**Offsite Property No.**

POSSIBLE SAMPLE HAZARDS/REMARKS
** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL INSTRUCTIONS **Hold Time** Total Activity Exemption: Yes ☑ No ☐
200 Area Generator Knowledge Information Form applies.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1VJF5	WSC P002905	W	6-22-08	1426	1x500-mL G/P	200.8_METALS_ICPMS: Uranium (1)	HNO3 to pH <2
B1VJF5		W			1x1000-mL G/P	TC99_3MDSK_LSC: Tc-99 (1)	HCl to pH <2
B1VJF5		W			1x250-mL G	TRITIUM_EIE_LSC: Tritium (1)	None

ICED

	Print	Sign	Date/Time		Print	Sign	Date/Time
Relinquished By	D. Woehle		6-23-08	Received By	F. M. Hall		6-23-08 0930
Relinquished By	F. M. Hall		6-23-08 1100	Received By	M. S. Kearney		6-23-08 1100
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time

Matrix *

S = Soil		DS = Drum Solid	
SE = Sediment		DL = Drum Liqui	
SO = Solid		T = Tissue	
SL = Sludge		WI = Wine	
W = Water		L = Liquid	
O = Oil		V = Vegetation	
A = Air		X = Other	

FINAL SAMPLE DISPOSITION Disposal Method (e.g., Return to customer, per lab procedure, used in process) Disposed By Date/Time

230 of 271

FLUOR HANFORD	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	A08-006-17
		Page 1 of 1

Collector	**Contact/Requester** Steve Trent	**Telephone No.** 509-373-5869 **MSIN** **FAX**
SAF No. A08-006	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title LLWMA(1)-PA, JUNE 2008	HAF-V-506-16/16	**Ice Chest No.** **Temp.**
Shipped To (Lab) Waste Sampling & Characterization	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.**
Protocol Other	**Priority:** 45 Days	**Offsite Property No.**

POSSIBLE SAMPLE HAZARDS/REMARKS
** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL INSTRUCTIONS **Hold Time** Total Activity Exemption: Yes ☑ No ☐
200 Area Generator Knowledge Information Form applies.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1VJH3	0802906	W	6-22-08	1246	1x500-mL G/P	200.8_METALS_ICPMS: Uranium (1)	HNO3 to pH <2
B1VJH3	1	W	↓	↓	1x1000-mL G/P	TC99_3MDSK_LSC: Tc-99 (1)	HCl to pH <2
B1VJH3	1	W	↓	↓	1x250-mL G	TRITIUM_EIE_LSC: Tritium (1)	None

ICED

	Print	Sign	Date/Time		Print	Sign	Date/Time
Relinquished By			6-23-08 0930	Received By	F. M. Hall		6-23-08 0930
Relinquished By	F. M. Hall		6-23-08 1100	Received By			6-23-08 1100
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time

Matrix *

S = Soil		DS = Drum Solid	
SE = Sediment		DL = Drum Liqui	
SO = Solid		T = Tissue	
SL = Sludge		WI = Wine	
W = Water		L = Liquid	
O = Oil		V = Vegetation	
A = Air		X = Other	

FINAL SAMPLE DISPOSITION Disposal Method (e.g., Return to customer, per lab procedure, used in process) Disposed By Date/Time

FLUOR HANFORD

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

A08-006-2

Page 1 of 1

Collector D. Woehle	**Contact/Requester** Steve Trent	**Telephone No.** 509-373-5869 **MSIN** **FAX**
SAF No. A08-006	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title LLWMA(1)-PA, JUNE 2008	HNF-N-506 14	**Ice Chest No.** **Temp.**
Shipped To (Lab) Waste Sampling & Characterization	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.**
Protocol Other	**Priority:** 45 Days	**Offsite Property No.**

POSSIBLE SAMPLE HAZARDS/REMARKS
** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL INSTRUCTIONS **Hold Time**
200 Area Generator Knowledge Information Form applies.

Total Activity Exemption: Yes ☑ No ☐

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1VJF1 W08 F0M901		W	6-22-08	1256	1x500-mL G/P	200.8_METALS_ICPMS: Uranium (1)	HNO3 to pH <2
B1VJF1		W	"	"	1x1000-mL G/P	TC99_3MDSK_LSC: Tc-99 (1)	HCl to pH <2
B1VJF1		W	"	"	1x250-mL G	TRITIUM_EIE_LSC: Tritium (1)	None

ICED

	Print	Sign	Date/Time		Print	Sign	Date/Time
Relinquished By D. Woehle			6-23-08 0930	Received By F. M. Hall			6-23-08 0930
Relinquished By F. M. Hall			6-23-08 1100	Received By	M.S. Hegney		6-23-08 1100
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time

Matrix *

S = Soil		DS = Drum Solid	
SE = Sediment		DL = Drum Liquid	
SO = Solid		T = Tissue	
SL = Sludge		WI = Wine	
W = Water		L = Liquid	
O = Oil		V = Vegetation	
A = Air		X = Other	

232 of 271

FINAL SAMPLE DISPOSITION Disposal Method (e.g., Return to customer, per lab procedure, used in process) | Disposed By | Date/Time

FLUOR HANFORD

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

A08-006-29

Page 1 of 1

Collector	**Contact/Requester** Steve Trent	**Telephone No.** 509-373-5869 **MSIN** **FAX**
SAF No. A08-006	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title LLWMA(1)-PA JUNE 2008	HNF-N-506 6/16	**Ice Chest No.** **Temp.**
Shipped To (Lab) Waste Sampling & Characterization	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.**
Protocol Other	**Priority:** 45 Days	**Offsite Property No.**

POSSIBLE SAMPLE HAZARDS/REMARKS
** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL INSTRUCTIONS **Hold Time** Total Activity Exemption: Yes ☑ No ☐
200 Area Generator Knowledge Information Form applies.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1VJH9	W0806D2108	W	6-22-08	1032	1x500-mL G/P	200.8_METALS_ICPMS: Uranium (1)	HNO3 to pH <2
B1VJH9		W	↓	↓	1x1000-mL G/P	TC99_3MDSK_LSC: Tc-99 (1)	HCl to pH <2
B1VJH9		W	↓	↓	1x250-mL G	TRITIUM_EIE_LSC: Tritium (1)	None

ICED

Relinquished By	Print / Sign	Date/Time	Received By	Print / Sign	Date/Time
	D.R. Brunick	0730 6-23-08	F. M. Hall		0730 6-23-08
F. M. Hall		1100 6-23-08			1100 6-23-08

Matrix *

S = Soil		DS = Drum Solid	
SE = Sediment		DL = Drum Liqui	
SO = Solid		T = Tissue	
SL = Sludge		WI = Wine	
W = Water		L = Liquid	
O = Oil		V = Vegetation	
A = Air		X = Other	

FINAL SAMPLE DISPOSITION Disposal Method (e.g., Return to customer, per lab procedure, used in process) | Disposed By | Date/Time

FLUOR HANFORD

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # **A08-006-13**

Page 1 of 1

Collector [illegible]	**Contact/Requester** Steve Trent	**Telephone No.** 509-373-5869 **MSIN** **FAX**
SAF No. A08-006	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title LLWMA(1)-PA JUNE 2008	HNF-N-508-4/16	**Ice Chest No.** **Temp.**
Shipped To (Lab) Waste Sampling & Characterization	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.**
Protocol Other	**Priority: 45 Days**	**Offsite Property No.**

POSSIBLE SAMPLE HAZARDS/REMARKS
** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL INSTRUCTIONS **Hold Time** Total Activity Exemption: Yes ☑ No ☐
200 Area Generator Knowledge Information Form applies.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1VJH1	W0708290	W	6-22-08	1156	1x500-mL G/P	200.8_METALS_ICPMS: Uranium (1)	HNO3 to pH <2
B1VJH1		W	↓	↓	1x1000-mL G/P	TC99_3MDSK_LSC: Tc-99 (1)	HCl to pH <2
B1VJH1		W	↓	↓	1x250-mL G	TRITIUM_EIE_LSC: Tritium (1)	None

ICED

Relinquished By Print Sign	Date/Time 0930 6-23-08	Received By Print F. M. Hall Sign	Date/Time 0930 6-23-08
Relinquished By F. M. Hall	Date/Time 1100 6-23-08	Received By	Date/Time 1100 6-23-08
Relinquished By	Date/Time	Received By	Date/Time
Relinquished By	Date/Time	Received By	Date/Time

Matrix *

S = Soil	SE = Sediment	SO = Solid	SL = Sludge
W = Water	O = Oil	A = Air	DS = Drum Solid
DL = Drum Liqui	T = Tissue	WI = Wine	L = Liquid
V = Vegetation	X = Other		

FINAL SAMPLE DISPOSITION Disposal Method (e.g., Return to customer, per lab procedure, used in process) Disposed By Date/Time

234 of 271

FLUOR HANFORD

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

A08-006-10

Page 1 of 1

Collector	**Contact/Requester** Steve Trent	**Telephone No.** 509-373-5869 **MSIN** **FAX**
SAF No. A08-006	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title LLWMA(1)-PA, JUNE 2008	HWF-N-506-16	**Ice Chest No.** **Temp.**
Shipped To (Lab) Waste Sampling & Characterization	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.**
Protocol Other	**Priority:** 45 Days	**Offsite Property No.**

POSSIBLE SAMPLE HAZARDS/REMARKS
** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL INSTRUCTIONS **Hold Time** Total Activity Exemption: Yes ☑ No ☐
200 Area Generator Knowledge Information Form applies.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1VJF9	WSP80DE9LC	W	6-22-08	0906	1x500-mL G/P	200.8_METALS_ICPMS: Uranium (1)	HNO3 to pH <2
B1VJF9	↓	W	↓	↓	1x250-mL G	TRITIUM_EIE_LSC: Tritium (1)	None

ICED

	Print	Sign	Date/Time
Relinquished By	D.R. Brumley		6-23-08
Received By	F. M. Hall		6-23-08
Relinquished By	F. M. Hall		6-23-08 1100
Received By			6-23-08 1100
Relinquished By			Date/Time
Received By			Date/Time
Relinquished By			Date/Time
Received By			Date/Time

Matrix *

S = Soil	DS = Drum Solid		
SE = Sediment	DL = Drum Liqui		
SO = Solid	T = Tissue		
SL = Sludge	WI = Wipe		
W = Water	L = Liquid		
O = Oil	V = Vegetation		
A = Air	X = Other		

FINAL SAMPLE DISPOSITION Disposal Method (e.g., Return to customer, per lab procedure, used in process) | Disposed By | Date/Time

FLUOR HANFORD

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

COC #: I08-044-7

Page 1 of 1

Collector Scott E. Hamaker	**Contact/Requester** Steve Trent	**Telephone No.** 509-373-5869 **MSIN** **FAX**
SAF No. I08-044	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title 2ZPL JUNE 2008	HNF-N-506 17	**Ice Chest No.** GW-1 **Temp.**
Shipped To (Lab) Waste Sampling & Characterization	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.**
Protocol CERCLA	**Priority:** 45 Days	**Offsite Property No.**

POSSIBLE SAMPLE HAZARDS/REMARKS
** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL INSTRUCTIONS **Hold Time** Total Activity Exemption: Yes ☑ No ☐
200 Area Generator Knowledge Information Form applies.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1VL38 (F)	W08P002911	W	6/22/08	1336	1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1VL38 (F)	↓	W	↓	↓	1x500-mL G/P	200.8_METALS_ICPMS: Arsenic (1)	HNO3 to pH <2
B1VL39	W08P002912	W			4x40-mL aGs*	8260_VOA_GCMS: List-2 (25)	HCl or H2SO4 to pH <2 Cool~4C
B1VL39		W			1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1VL39		W			1x500-mL P	300.0_ANIONS_IC: List-1 (5)	Cool~4C
B1VL39		W			1x1000-mL G/P	TC99_3MDSK_LSC: Tc-99 (1)	HCl to pH <2
B1VL39		W			1x250-mL G	TRITIUM_EIE_LSC: Tritium (1)	None
B1VL39	↓	W	↓	↓	1x500-mL G/P	200.8_METALS_ICPMS: Arsenic (1)	HNO3 to pH <2
			6/22/08				

ICED

Relinquished By	Print / Sign	Date/Time	Received By	Print / Sign	Date/Time
	Scott E. Hamaker	0930 6-23-08		F. M. Hall	0930 6-23-08
Relinquished By		Date/Time	Received By		Date/Time
	F. M. Hall	1100 6-23-08			1100 6-23-08
Relinquished By		Date/Time	Received By		Date/Time
Relinquished By		Date/Time	Received By		Date/Time

Matrix *

S = Soil		DS = Drum Solid	
SE = Sediment		DL = Drum Liqui	
SO = Solid		T = Tissue	
SL = Sludge		WI = Wine	
W = Water		L = Liquid	
O = Oil		V = Vegetation	
A = Air		X = Other	

FINAL SAMPLE DISPOSITION Disposal Method (e.g., Return to customer, per lab procedure, used in process) | Disposed By | Date/Time

FLUOR HANFORD

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

I08-044-6

Page 1 of 1

Collector Scott E. Hameker	**Contact/Requester** Steve Trent	**Telephone No.** 509-373-5869 **MSIN** **FAX**
SAF No. I08-044	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title 2ZP1, JUNE 2008	HNF-N-506 17	**Ice Chest No.** GW-1 **Temp.**
Shipped To (Lab) Waste Sampling & Characterization	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.**
Protocol CERCLA	**Priority:** 45 Days	**Offsite Property No.**

POSSIBLE SAMPLE HAZARDS/REMARKS
** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL INSTRUCTIONS **Hold Time** Total Activity Exemption: Yes ☑ No ☐
200 Area Generator Knowledge Information Form applies.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1VL34 (F)	P002913	W	6/22/08	1336	1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1VL34 (F)	"	W	"	"	1x500-mL G/P	200.8_METALS_ICPMS: Arsenic (1)	HNO3 to pH <2
B1VL35	P002914	W	"	"	4x40-mL aGs*	8260_VOA_GCMS: List-2 (25)	HCl or H2SO4 to pH <2 Cool~4C
B1VL35	"	W	"	"	1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1VL35	"	W	"	"	1x500-mL P	300.0_ANIONS_IC: List-1 (5)	Cool~4C
B1VL35	"	W	"	"	1x1000-mL G/P	TC99_3MDSK_LSC: Tc-99 (1)	HCl to pH <2
B1VL35	"	W	"	"	1x250-mL G	TRITIUM_EIE_LSC: Tritium (1)	None
B1VL35	"	W	"	"	1x500-mL G/P	200.8_METALS_ICPMS: Arsenic (1)	HNO3 to pH <2

ICED

6/22/08

Relinquished By	Print / Sign	Date/Time	Received By	Print / Sign	Date/Time
Scott E. Hameker	Scott Hameker	6-23-08 0930	F. M. Hall	F. M. Hall	6-23-08 0930
F. M. Hall	F. M. Hall	6-23-08 1100			6-23-08 1100

Matrix *

S = Soil		DS = Drum Solid	
SE = Sediment		DL = Drum Liquid	
SO = Solid		T = Tissue	
SL = Sludge		WI = Wine	
W = Water		L = Liquid	
O = Oil		V = Vegetation	
A = Air		X = Other	

FINAL SAMPLE DISPOSITION Disposal Method (e.g., Return to customer, per lab procedure, used in process) | Disposed By | Date/Time

FLUOR HANFORD

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # **I08-043-55**

Page 1 of 1

Collector Scott E. Hamaker	**Contact/Requester** Steve Trent	**Telephone No.** 509-373-5869 **MSIN** **FAX**
SAF No. I08-043	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title 21UPL JUNE 2008	HNF-N-506 17	**Ice Chest No.** 6W-1 **Temp.**
Shipped To (Lab) Waste Sampling & Characterization	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.**
Protocol SURV	**Priority:** 45 Days	**Offsite Property No.**

POSSIBLE SAMPLE HAZARDS/REMARKS
** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL INSTRUCTIONS **Hold Time**
200 Area Generator Knowledge Information Form applies.

Total Activity Exemption: Yes ☑ No ☐

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1VKY9 WCSF	002515	W	6/22/08	1007	4x40-mL aGs*	8260_VOA_GCMS: List-2 (25)	HCl or H2SO4 to pH <2 Cool~4C
B1VKY9	↓	W	↓	↓	1x500-mL G/P	200.8_METALS_ICPMS: Uranium (1)	HNO3 to pH <2
B1VKY9	↓	W	↓	↓	1x250-mL G	TRITIUM_EIE_LSC: Tritium (1)	None

6/22/08

ICED

Relinquished By	Print / Sign	Date/Time	Received By	Print / Sign	Date/Time
Scott E. Hamaker	Scott Hamaker	6-23-08 0930	F. M. Hall		6-23-08 0930
F. M. Hall		6-23-08 1100			6-23-08 1100
Relinquished By		Date/Time	Received By		Date/Time
Relinquished By		Date/Time	Received By		Date/Time

Matrix *

S = Soil		DS = Drum Solid	
SE = Sediment		DL = Drum Liqui	
SO = Solid		T = Tissue	
SL = Sludge		WI = Wipe	
W = Water		L = Liquid	
O = Oil		V = Vegetation	
A = Air		X = Other	

FINAL SAMPLE DISPOSITION Disposal Method (e.g., Return to customer, per lab procedure, used in process) | Disposed By | Date/Time

FLUOR HANFORD

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

I08-044-12

Page 1 of 1

Collector Scott E. Hamaker	**Contact/Requester** Steve Trent	**Telephone No.** 509-373-5869 **MSIN** **FAX**
SAF No. I08-044	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title 2ZP1, JUNE 2008	HNF-N-506 17	**Ice Chest No.** GW1 **Temp.**
Shipped To (Lab) Waste Sampling & Characterization	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.**
Protocol CERCLA	**Priority:** 45 Days	**Offsite Property No.**

POSSIBLE SAMPLE HAZARDS/REMARKS
** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL INSTRUCTIONS **Hold Time** Total Activity Exemption: Yes ☑ No ☐
200 Area Generator Knowledge Information Form applies.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1VL43	0029IP	W	6/22/08	1431	4x40-mL aGs*	8260_VOA_GCMS: List-2 (25)	HCl or H2SO4 to pH <2 Cool~4C
B1VL43		W			1x500-mL P	300.0_ANIONS_IC: List-1 (5)	Cool~4C
B1VL43		W			1x500-mL G/P	200.8_METALS_ICPMS: Uranium (1)	HNO3 to pH <2

ICED

6/22/08

	Print	Sign	Date/Time		Print	Sign	Date/Time
Relinquished By	Scott E. Hamaker		6-23-08 0930	Received By	F. M. Hall		6-23-08 0930
Relinquished By	F. M. Hall		6-23-08 1100	Received By			6-23-08 1100
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time

Matrix *

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

FINAL SAMPLE DISPOSITION Disposal Method (e.g., Return to customer, per lab procedure, used in process) | Disposed By | Date/Time

FLUOR HANFORD

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

COC # **S08-006-198**

Page 1 of 1

Collector R. Ellingsworth	**Contact/Requester** Steve Trent	**Telephone No.** 509-373-5869 **MSIN** **FAX**
SAF No. S08-006	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title SURV, JUNE 2008	HNF-M-506-12	**Ice Chest No.** **Temp.**
Shipped To (Lab) Waste Sampling & Characterization	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.**
Protocol SURV	**Priority: 45 Days**	**Offsite Property No.**

POSSIBLE SAMPLE HAZARDS/REMARKS
** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL INSTRUCTIONS **Hold Time** Total Activity Exemption: Yes ☑ No ☐
Site-Wide Generator Knowledge Information Form applies.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1VLY6 (F) MS	P0029117	W	6-22-08	0918	1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1VLY7 MSD	P0029118	W			1x250-mL G	TRITIUM_EIE_LSC: Tritium (1)	None
B1VLY7		W			1x500-mL P	300.0_ANIONS_IC: List-1 (5)	Cool~4C
B1VLY7		W			1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1VLY7		W			1x250-mL G/P	2320_ALKALINITY: Alkalinity (1)	Cool~4C

ICED

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
R. Ellingsworth			6-23-08 0930	F. M. Hall			6-23-08 0930
F. M. Hall			6-23-08 1100				6-23-08 1100

Matrix *

S = Soil		DS = Drum Solid	
SE = Sediment		DL = Drum Liqui	
SO = Solid		T = Tissue	
SL = Sludge		WI = Wine	
W = Water		L = Liquid	
O = Oil		V = Vegetation	
A = Air		X = Other	

FINAL SAMPLE DISPOSITION Disposal Method (e.g., Return to customer, per lab procedure, used in process) | Disposed By | Date/Time

FLUOR HANFORD

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # **S08-006-84**

Page 1 of 1

Collector D. Woshie	**Contact/Requester** Steve Trent	**Telephone No.** 509-373-5869 **MSIN** **FAX**
SAF No. S08-006	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title SURV JUNE 2008	HNF-N-506 14	**Ice Chest No.** **Temp.**
Shipped To (Lab) Waste Sampling & Characterization	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.**
Protocol SURV	**Priority: 45 Days**	**Offsite Property No.**

POSSIBLE SAMPLE HAZARDS/REMARKS
** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL INSTRUCTIONS **Hold Time** Total Activity Exemption: Yes ☑ No ☐
Site-Wide Generator Knowledge Information Form applies.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1VLH6 (F) W08	0029274	W	6-22-08	0918	1x500-mL G/P	200.8_METALS_ICPMS: Arsenic (1)	HNO3 to pH <2
B1VLH7 W08	0029275	W			1x500-mL G/P	ALPHABETA_GPC: Alpha discrete + Beta (2); ALPHABETA_GPC: Alpha discrete + Beta (2)	HNO3 to pH <2
B1VLH7		W			1x250-mL G	TRITIUM_EIE_LSC: Tritium (1)	None
B1VLH7		W			1x500-mL G/P	200.8_METALS_ICPMS: Arsenic (1)	HNO3 to pH <2
B1VLH7		W			1x1-L G/P	Strontium-89,90 -- Total Sr	HNO3 to pH <2

ICED

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
D. Woshie			JUN 22 2008 0730	F. M. Hall			JUN 22 2008 0730
			6-23-08				6-23-08
F. M. Hall			6-23-08 1100				6-23-08 1100
			Date/Time				Date/Time
			Date/Time				Date/Time

Matrix *

S = Soil		DS = Drum Solid	
SE = Sediment		DL = Drum Liqui	
SO = Solid		T = Tissue	
SL = Sludge		WI = Wine	
W = Water		L = Liquid	
O = Oil		V = Vegetation	
A = Air		X = Other	

FINAL SAMPLE DISPOSITION Disposal Method (e.g., Return to customer, per lab procedure, used in process) | Disposed By | Date/Time

FLUOR HANFORD

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # **S08-006-78**

Page 1 of 1

Collector D. Woehle	**Contact/Requester** Steve Trent	**Telephone No.** 509-373-5869 **MSIN** **FAX**
SAF No. S08-006	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title SURV, JUNE 2008	4NF-N-506 14	**Ice Chest No.** **Temp.**
Shipped To (Lab) Waste Sampling & Characterization	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.**
Protocol SURV	**Priority:** 45 Days	**Offsite Property No.**

POSSIBLE SAMPLE HAZARDS/REMARKS
** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL INSTRUCTIONS **Hold Time** Total Activity Exemption: Yes ☑ No ☐
Site-Wide Generator Knowledge Information Form applies.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1VLH2 (F)	W08P002126	W	6-22-08	1056	1x500-mL G/P	200.8_METALS_ICPMS: Arsenic (1)	HNO3 to pH <2
B1VLH3	W08P002127	W			1x500-mL G/P	ALPHABETA_GPC: Alpha discrete + Beta (2); ALPHABETA_GPC: Alpha discrete + Beta (2)	HNO3 to pH <2
B1VLH3		W			1x250-mL G	TRITIUM_EIE_LSC: Tritium (1)	None
B1VLH3		W			1x500-mL P	300.0_ANIONS_IC: List-1 (5)	Cool~4C
B1VLH3		W			1x500-mL G/P	200.8_METALS_ICPMS: Arsenic (1)	HNO3 to pH <2

ICED

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
D. Woehle	D. J. Woehle		6-23-08 0930	F. M. Hall			6-23-08 0930
F. M. Hall			6-23-08 1100				6-23-08 1100

Matrix *

S = Soil	SE = Sediment	SO = Solid	SL = Sludge
W = Water	O = Oil	A = Air	DS = Drum Solid
DL = Drum Liqui	T = Tissue	WI = Wine	L = Liquid
V = Vegetation	X = Other		

242 of 244

FINAL SAMPLE DISPOSITION Disposal Method (e.g., Return to customer, per lab procedure, used in process) | Disposed By | Date/Time

FLUOR HANFORD

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # **S08-006-194**

Page 1 of 1

Collector R. Ellingsworth	**Contact/Requester** Steve Trent	**Telephone No.** 509-373-5869 **MSIN** **FAX**
SAF No. S08-006	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title SURV, JUNE 2008	HNF-N-526-12	**Ice Chest No.** **Temp.**
Shipped To (Lab) Waste Sampling & Characterization	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.**
Protocol SURV	**Priority:** 45 Days	**Offsite Property No.**

POSSIBLE SAMPLE HAZARDS/REMARKS
** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL INSTRUCTIONS **Hold Time** Total Activity Exemption: Yes ☑ No ☐
Site-Wide Generator Knowledge Information Form applies.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1VLY3 (F)	W0SP002928	W	6-22-08	1126	1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1VLY4	W0SP002929	W	6/23/08		1x500-mL G/P	ALPHABETA_GPC: Alpha discrete + Beta (2); ALPHABETA_GPC: Alpha discrete + Beta (2)	HNO3 to pH <2
B1VLY4	W0SP002929	W			1x500-mL P	300.0_ANIONS_IC: List-1 (5)	Cool~4C
B1VLY4		W			1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1VLY4		W			1x250-mL G/P	2320_ALKALINITY: Alkalinity (1)	Cool~4C

ICED

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
R. Ellingsworth			6-23-08 0930	F. M. Hall			6-23-08 0930
F. M. Hall			6-23-08 1100				6-23-08 1100
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time

Matrix *

S = Soil	DS = Drum Solid		
SE = Sediment	DL = Drum Liqui		
SO = Solid	T = Tissue		
SL = Sludge	WI = Wipe		
W = Water	L = Liquid		
O = Oil	V = Vegetation		
A = Air	X = Other		

FINAL SAMPLE DISPOSITION Disposal Method (e.g., Return to customer, per lab procedure, used in process) | Disposed By | Date/Time

FLUOR HANFORD

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # **S08-006-62**

Page 1 of 1

Collector D. Woehle	**Contact/Requester** Steve Trent	**Telephone No.** 509-373-5869 **MSIN** **FAX**
SAF No. S08-006	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title SURV, JUNE 2008	HNF-N-506 14	**Ice Chest No.** **Temp.**
Shipped To (Lab) Waste Sampling & Characterization	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.**
Protocol SURV	**Priority: 45 Days**	**Offsite Property No.**

POSSIBLE SAMPLE HAZARDS/REMARKS
** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL INSTRUCTIONS **Hold Time** Total Activity Exemption: Yes ☑ No ☐
Site-Wide Generator Knowledge Information Form applies.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1VLF4 (F)	WDSP002930	W	6-22-08	1256	1x500-mL G/P	200.8_METALS_ICPMS: Arsenic (1)	HNO3 to pH <2
B1VLF5	WDSP002931	W	↓	↓	1x250-mL G/P	2320_ALKALINITY: Alkalinity (1)	Cool~4C
B1VLF5	↓	W	↓	↓	1x500-mL G/P	200.8_METALS_ICPMS: Arsenic (1)	HNO3 to pH <2

ICED

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
D. Woehle			6-23-08 0930	F. M. Hall			6-23-08 0930
F. M. Hall			6-23-08 1100	M.S. Hagley			6-23-08 1100
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time

Matrix *

S = Soil		DS = Drum Solid	
SF = Sediment		DL = Drum Liqui	
SO = Solid		T = Tissue	
SL = Sludge		WI = Wine	
W = Water		L = Liquid	
O = Oil		V = Vegetation	
A = Air		X = Other	

FINAL SAMPLE DISPOSITION Disposal Method (e.g., Return to customer, per lab procedure, used in process) | Disposed By | Date/Time

FLUOR HANFORD

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

S08-006-72

Page 1 of 1

Collector D. Woehle	**Contact/Requester** Steve Trent	**Telephone No.** 509-373-5869 **MSIN** **FAX**
SAF No. S08-006	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title SURV JUNE 2008	HNF-N-506 14	**Ice Chest No.** **Temp.**
Shipped To (Lab) Waste Sampling & Characterization	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.**
Protocol SURV	**Priority:** 45 Days	**Offsite Property No.**

POSSIBLE SAMPLE HAZARDS/REMARKS
** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL INSTRUCTIONS **Hold Time** Total Activity Exemption: Yes ☑ No ☐
Site-Wide Generator Knowledge Information Form applies.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1VLH1 W08P	0029321	W	6-22-08	1426	1x250-mL G/P	2320_ALKALINITY: Alkalinity (1)	Cool~4C

ICED

Relinquished By	Print / Sign	Date/Time	Received By	Print / Sign	Date/Time
D. Woehle		6-23-08 0930	F. M. Hall		6-23-08 0930
F. M. Hall		6-23-08 1100	M.S. Hegney M.L. Hegney		6-23-08 1100
Relinquished By		Date/Time	Received By		Date/Time
Relinquished By		Date/Time	Received By		Date/Time

Matrix *

S = Soil		DS = Drum Solid	
SE = Sediment		DL = Drum Liqui	
SO = Solid		T = Tissue	
SL = Sludge		WI = Wine	
W = Water		L = Liquid	
O = Oil		V = Vegetation	
A = Air		X = Other	

FINAL SAMPLE DISPOSITION Disposal Method (e.g., Return to customer, per lab procedure, used in process) | Disposed By | Date/Time

FLUOR HANFORD

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

COC # **S08-006-118**

Page 1 of 1

Collector Fluor Hanford	**Contact/Requester** Steve Trent	**Telephone No.** 509-373-5869 **MSIN** **FAX**
SAF No. S08-006	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title SURV JUNE 2008	HNF-IV-S06-16	**Ice Chest No.** **Temp.**
Shipped To (Lab) Waste Sampling & Characterization	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.**
Protocol SURV	**Priority:** 45 Days	**Offsite Property No.**

POSSIBLE SAMPLE HAZARDS/REMARKS
** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL INSTRUCTIONS **Hold Time** Total Activity Exemption: Yes ☑ No ☐
Site-Wide Generator Knowledge Information Form applies.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1VLK9	W08P0029333	W	6-22-08	1032	1x250-mL G/P	2320_ALKALINITY: Alkalinity (1)	Cool~4C

ICED

Relinquished By	Print / Sign	Date/Time	Received By	Print / Sign	Date/Time
Fluor Hanford PREWINGTON	D.R. Prewington	6-23-08 0830	F. M. Hall	F. M. Hall	6-23-08 0830
F. M. Hall	F. M. Hall	6-23-08 1100			6-23-08 1100
Relinquished By		Date/Time	Received By		Date/Time
Relinquished By		Date/Time	Received By		Date/Time

Matrix *

S = Soil		DS = Drum Solid	
SE = Sediment		DL = Drum Liquid	
SO = Solid		T = Tissue	
SL = Sludge		WI = Wine	
W = Water		L = Liquid	
O = Oil		V = Vegetation	
A = Air		X = Other	

FINAL SAMPLE DISPOSITION Disposal Method (e.g., Return to customer, per lab procedure, used in process) | Disposed By | Date/Time

FLUOR HANFORD

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # **S08-006-100**

Page 1 of 1

Collector Fluor Hanford	**Contact/Requester** Steve Trent	**Telephone No.** 509-373-5869 **MSIN** **FAX**
SAF No. S08-006	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title SURV, JUNE 2008	HNF-N-526-16/16	**Ice Chest No.** **Temp.**
Shipped To (Lab) Waste Sampling & Characterization	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.**
Protocol SURV	**Priority:** 45 Days	**Offsite Property No.**

POSSIBLE SAMPLE HAZARDS/REMARKS
** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL INSTRUCTIONS **Hold Time** Total Activity Exemption: Yes ☑ No ☐
Site-Wide Generator Knowledge Information Form applies.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1VLK0	W0802934	W	6-22-08	1156	1x250-mL G/P	2320_ALKALINITY: Alkalinity (1)	Cool~4C

ICED

Relinquished By	Print / Sign	Date/Time	Received By	Print / Sign	Date/Time
Fluor Hanford	D.R. Brunzo	0930 6-23-08	F. M. Hall	F. M. Hall	0930 6-23-08
F. M. Hall	F. M. Hall	1100 6-23-08			1100 6-23-08

Matrix *

S = Soil		DS = Drum Solid	
SE = Sediment		DL = Drum Liquid	
SO = Solid		T = Tissue	
SL = Sludge		WI = Wine	
W = Water		L = Liquid	
O = Oil		V = Vegetation	
A = Air		X = Other	

FINAL SAMPLE DISPOSITION Disposal Method (e.g., Return to customer, per lab procedure, used in process) Disposed By Date/Time

FLUOR HANFORD

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # **S08-006-104**

Page 1 of 1

Collector	**Contact/Requester** Steve Trent	**Telephone No.** 509-373-5869 **MSIN** **FAX**
SAF No. S08-006	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title SURV, JUNE 2008	HAF-N-S06 6/16	**Ice Chest No.** **Temp.**
Shipped To (Lab) Waste Sampling & Characterization	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.**
Protocol SURV	**Priority:** 45 Days	**Offsite Property No.**

POSSIBLE SAMPLE HAZARDS/REMARKS
** ** Contains Radioactive Material at concentrations that are not regulated for transportation pet 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL INSTRUCTIONS **Hold Time** Total Activity Exemption: Yes ☑ No ☐
Site-Wide Generator Knowledge Information Form applies.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1VLK2	W08P	W	6-22-08	0940	1x250-mL G/P	2320_ALKALINITY: Alkalinity (1)	Cool~4C

ICED

	Print	Sign	Date/Time		Print	Sign	Date/Time
Relinquished By Fluor Hanford	D.R. BREWINGTON	D.R. Brewington	6-23-08 0930	Received By	F. M. Hall		6-23-08 0730
Relinquished By	F. M. Hall		6-23-08 1100	Received By			6-23-08 1100
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time

Matrix *

S = Soil		DS = Drum Solid	
SE = Sediment		DL = Drum Liqui	
SO = Solid		T = Tissue	
SL = Sludge		WI = Wine	
W = Water		L = Liquid	
O = Oil		V = Vegetation	
A = Air		X = Other	

FINAL SAMPLE DISPOSITION Disposal Method (e.g., Return to customer, per lab procedure, used in process) | Disposed By | Date/Time

FLUOR HANFORD

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # **S08-006-191**

Page 1 of 1

Collector R. Ellingsworth	**Contact/Requester** Steve Trent	**Telephone No.** 509-373-5869 **MSIN** **FAX**
SAF No. S08-006	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title SURV JUNE 2008	HNF-N-526-12	**Ice Chest No.** **Temp.**
Shipped To (Lab) Waste Sampling & Characterization	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.**
Protocol SURV	**Priority:** 45 Days	**Offsite Property No.**

POSSIBLE SAMPLE HAZARDS/REMARKS
** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL INSTRUCTIONS **Hold Time** Total Activity Exemption: Yes ☑ No ☐
Site-Wide Generator Knowledge Information Form applies.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1VLY0 (F)	W08P002937	W	6-22-08	1336	1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1VLY1	W08P002938	W	"	"	1x500-mL P	300.0_ANIONS_IC: List-1 (5)	Cool~4C
B1VLY1		W	"	"	1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1VLY1		W	"	"	1x250-mL G/P	2320_ALKALINITY: Alkalinity (1)	Cool~4C

ICED

Relinquished By	Print / Sign	Date/Time	Received By	Print / Sign	Date/Time
R. Ellingsworth	R. Ellingsworth	6-23-08 0930	F. M. Hall	F. M. Hall	6-23-08 0930
F. M. Hall	F. M. Hall	6-23-08 1100			6-23-08 1100
Relinquished By		Date/Time	Received By		Date/Time
Relinquished By		Date/Time	Received By		Date/Time

Matrix *

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

FINAL SAMPLE DISPOSITION Disposal Method (e.g., Return to customer, per lab procedure, used in process) | Disposed By | Date/Time

249 of 271

FLUOR HANFORD

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # **S08-006-190**

Page 1 of 1

Collector R. Ellingsworth	**Contact/Requester** Steve Trent	**Telephone No.** 509-373-5869 **MSIN** **FAX**
SAF No. S08-006	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title SURV JUNE 2008	HNF-N-326-12	**Ice Chest No.** **Temp.**
Shipped To (Lab) Waste Sampling & Characterization	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.**
Protocol SURV	**Priority:** 45 Days	**Offsite Property No.**

POSSIBLE SAMPLE HAZARDS/REMARKS
** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL INSTRUCTIONS **Hold Time** Total Activity Exemption: Yes ☑ No ☐
Site-Wide Generator Knowledge Information Form applies.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1VLX8 (F)	W08P0029[illegible]	W	6-22-08	1336	1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1VLX9	W08P0029[illegible]	W	"	"	1x500-mL P	300.0_ANIONS_IC: List-1 (5)	Cool~4C
B1VLX9	"	W	"	"	1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1VLX9	"	W	"	"	1x250-mL G/P	2320_ALKALINITY: Alkalinity (1)	Cool~4C

ICED

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
R. Ellingsworth	R. Ellingsworth		6-23-08 0930	F. M. Hall	F. M. Hall		6-23-08 0930
F. M. Hall	F. M. Hall		6-23-08 1100				6-23-08 1100

Matrix *

S = Soil		DS = Drum Solid	
SE = Sediment		DL = Drum Liqui	
SO = Solid		T = Tissue	
SL = Sludge		WI = Wine	
W = Water		L = Liquid	
O = Oil		V = Vegetation	
A = Air		X = Other	

FINAL SAMPLE DISPOSITION Disposal Method (e.g., Return to customer, per lab procedure, used in process) | Disposed By | Date/Time

250 of 271

FLUOR HANFORD

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # **S08-006-96**

Page 1 of 1

Collector Fluor Hanford D. R. BREWINGTON	**Contact/Requester** Steve Trent	**Telephone No.** 509-373-5869 **MSIN** **FAX**
SAF No. S08-006	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title SURV, JUNE 2008	HNF-N 506 fb	**Ice Chest No.** **Temp.**
Shipped To (Lab) Waste Sampling & Characterization	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.**
Protocol SURV	**Priority:** 45 Days	**Offsite Property No.**

POSSIBLE SAMPLE HAZARDS/REMARKS
** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL INSTRUCTIONS **Hold Time** Total Activity Exemption: Yes ☑ No ☐
Site-Wide Generator Knowledge Information Form applies.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1VLJ6 W08P	0012940	W	6-23-08	0906	1x250-mL G/P	2320_ALKALINITY: Alkalinity (1)	Cool~4C
B1VLJ6	+	W	↓	↓	1x1000-mL G/P	TC99_3MDSK_LSC: Tc-99 (1)	HCl to pH <2

ICED

Relinquished By Print: Fluor Hanford D. R. BREWINGTON Sign: D.R. Brewington	Date/Time 0930 6-23-08	Received By Print: F. M. Hall Sign: F.M. Hall	Date/Time 0930 6-23-08
Relinquished By F. M. Hall	Date/Time 1100 6-23-08	Received By	Date/Time 1100 6-23-08
Relinquished By	Date/Time	Received By	Date/Time
Relinquished By	Date/Time	Received By	Date/Time

Matrix *

S = Soil		DS = Drum Solid	
SE = Sediment		DL = Drum Liqui	
SO = Solid		T = Tissue	
SL = Sludge		WI = Wipe	
W = Water		L = Liquid	
O = Oil		V = Vegetation	
A = Air		X = Other	

FINAL SAMPLE DISPOSITION Disposal Method (e.g., Return to customer, per lab procedure, used in process) | Disposed By | Date/Time

FLUOR HANFORD

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # **S08-006-97**

Page 1 of 1

Collector Fluor Hanford D. R. BREWINGTON	**Contact/Requester** Steve Trent	**Telephone No.** 509-373-5869 **MSIN** **FAX**
SAF No. S08-006	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title SURV, JUNE 2008	HAF-NV-506-16	**Ice Chest No.** **Temp.**
Shipped To (Lab) Waste Sampling & Characterization	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.**
Protocol SURV	**Priority: 45 Days**	**Offsite Property No.**

POSSIBLE SAMPLE HAZARDS/REMARKS
** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL INSTRUCTIONS **Hold Time** Total Activity Exemption: Yes ☑ No ☐
Site-Wide Generator Knowledge Information Form applies.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1VLJ7 WC8P	C0EA1	W	6-22-08	0906	1x250-mL G/P	2320_ALKALINITY: Alkalinity (1)	Cool~4C
B1VLJ7	↓	W	↓	↓	1x1000-mL G/P	TC99_3MDSK_LSC: Tc-99 (1)	HCl to pH <2

ICED

Relinquished By Print Fluor Hanford D. R. Brewington Sign	Date/Time 0930 6-23-08	Received By Print F. M. Hall Sign	Date/Time 0930 6-23-08
Relinquished By F. M. Hall	Date/Time 1100 6-23-08	Received By	Date/Time 1100 6-23-08
Relinquished By	Date/Time	Received By	Date/Time
Relinquished By	Date/Time	Received By	Date/Time

Matrix *

S = Soil		DS = Drum Solid	
SE = Sediment		DL = Drum Liqui	
SO = Solid		T = Tissue	
SL = Sludge		WI = Wipe	
W = Water		L = Liquid	
O = Oil		V = Vegetation	
A = Air		X = Other	

FINAL SAMPLE DISPOSITION Disposal Method (e.g., Return to customer, per lab procedure, used in process) | Disposed By | Date/Time

252 of 271

FLUOR HANFORD

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # **W08-006-384**

Page 1 of 1

Collector R. Ellingsworth	**Contact/Requester** Steve Trent	**Telephone No.** 509-373-5869 **MSIN** **FAX**
SAF No. W08-006	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title RCRA, JUNE 2008	HNF-N-506-12	**Ice Chest No.** **Temp.**
Shipped To (Lab) Waste Sampling & Characterization	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.**
Protocol RCRA	**Priority:** 45 Days	**Offsite Property No.**

POSSIBLE SAMPLE HAZARDS/REMARKS
** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL INSTRUCTIONS **Hold Time** Total Activity Exemption: Yes ☑ No ☐
Site-Wide Generator Knowledge Information Form applies.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1VPT1	W08 0029472	W	6-22-08	1336	4x40-mL aGs*	8260_VOA_GCMS: List-2 (25)	HCl or H2SO4 to pH <2 Cool~4C
B1VPT1		W		1	1x500-mL G/P	200.8_METALS_ICPMS: Uranium (1)	HNO3 to pH <2

ICED

	Print	Sign	Date/Time
Relinquished By	R. Ellingsworth		6-23-08 0930
Relinquished By	F. M. Hall		6-23-08 1100
Relinquished By			Date/Time
Relinquished By			Date/Time

	Print	Sign	Date/Time
Received By	F. M. Hall		6-23-08 0930
Received By			6-23-08 1100
Received By			Date/Time
Received By			Date/Time

Matrix *

S = Soil		DS = Drum Solid	
SE = Sediment		DL = Drum Liqui	
SO = Solid		T = Tissue	
SL = Sludge		WI = Wine	
W = Water		L = Liquid	
O = Oil		V = Vegetation	
A = Air		X = Other	

FINAL SAMPLE DISPOSITION Disposal Method (e.g., Return to customer, per lab procedure, used in process) Disposed By Date/Time

FLUOR HANFORD

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # **W08-006-385**

Page 1 of 1

Collector R. Ellingsworth	**Contact/Requester** Steve Trent	**Telephone No.** 509-373-5869 **MSIN** **FAX**
SAF No. W08-006	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title RCRA JUNE 2008	HNF-H-506-12	**Ice Chest No.** **Temp.**
Shipped To (Lab) Waste Sampling & Characterization	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.**
Protocol RCRA	**Priority:** 45 Days	**Offsite Property No.**

POSSIBLE SAMPLE HAZARDS/REMARKS
** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL INSTRUCTIONS **Hold Time** Total Activity Exemption: Yes ☑ No ☐
Site-Wide Generator Knowledge Information Form applies.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1VPT2 N08P	0025413	W	6-22-08	1336	4x40-mL aGs*	8260_VOA_GCMS: List-2 (25)	HCl or H2SO4 to pH <2 Cool~4C
B1VPT2		W	1	1	1x500-mL G/P	200.8_METALS_ICPMS: Uranium (1)	HNO3 to pH <2

ICED

	Print	Sign	Date/Time
Relinquished By	R. Ellingsworth		6-23-08 0930
Received By	F. M. Hall		6-23-08 0930
Relinquished By	F. M. Hall		6-23-08 1100
Received By			6-23-08 1100
Relinquished By			Date/Time
Received By			Date/Time
Relinquished By			Date/Time
Received By			Date/Time

Matrix *

S = Soil	DS = Drum Solid		
SE = Sediment	DL = Drum Liqui		
SO = Solid	T = Tissue		
SL = Sludge	WI = Wine		
W = Water	L = Liquid		
O = Oil	V = Vegetation		
A = Air	X = Other		

FINAL SAMPLE DISPOSITION Disposal Method (e.g., Return to customer, per lab procedure, used in process) | Disposed By | Date/Time

FLUOR HANFORD

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # **W08-006-400**

Page 1 of 1

Collector R. Ellingsworth	**Contact/Requester** Steve Trent	**Telephone No.** 509-373-5869 **MSIN** **FAX**
SAF No. W08-006	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title RCRA JUNE 2008	HNF-H-506-12	**Ice Chest No.** **Temp.**
Shipped To (Lab) Waste Sampling & Characterization	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.**
Protocol RCRA	**Priority:** 45 Days	**Offsite Property No.**

POSSIBLE SAMPLE HAZARDS/REMARKS
** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL INSTRUCTIONS **Hold Time** Total Activity Exemption: Yes ☑ No ☐
Site-Wide Generator Knowledge Information Form applies.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1VPV1	W08002944	W	6-22-08	0918	4x40-mL aGs*	8260_VOA_GCMS: List-2 (25)	HCl or H2SO4 to pH <2 Cool~4C
B1VPV1		W	〃	〃	1x500-mL G/P	200.8_METALS_ICPMS: Uranium (1)	HNO3 to pH <2

ICED

Relinquished By	Print / Sign	Date/Time	Received By	Print / Sign	Date/Time
R. Ellingsworth	R Ellingsworth	6-23-08	F. M. Hall	F M Hall	6-23-08
F. M. Hall	F M Hall	6-23-08 1100	C H Hudson	C H Hudson	6-23-08 1100
Relinquished By		Date/Time	Received By		Date/Time
Relinquished By		Date/Time	Received By		Date/Time

Matrix *

S = Soil		DS = Drum Solid	
SE = Sediment		DL = Drum Liqui	
SO = Solid		T = Tissue	
SL = Sludge		WI = Wipe	
W = Water		L = Liquid	
O = Oil		V = Vegetation	
A = Air		X = Other	

FINAL SAMPLE DISPOSITION Disposal Method (e.g., Return to customer, per lab procedure, used in process) | Disposed By | Date/Time

255 of 271

FLUOR HANFORD

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # **W08-006-396**

Page 1 of 1

Collector R. Ellingsworth	**Contact/Requester** Steve Trent	**Telephone No.** 509-373-5869 **MSIN** **FAX**
SAF No. W08-006	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title RCRA, JUNE 2008	HNF-N-506-12	**Ice Chest No.** **Temp.**
Shipped To (Lab) Waste Sampling & Characterization	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.**
Protocol RCRA	**Priority:** 45 Days	**Offsite Property No.**

POSSIBLE SAMPLE HAZARDS/REMARKS
** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL INSTRUCTIONS **Hold Time** Total Activity Exemption: Yes ☑ No ☐
Site-Wide Generator Knowledge Information Form applies.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1VPT9	W0806-396	W	6-22-08	1002	4x40-mL aGs*	8260_VOA_GCMS: List-2 (25)	HCl or H2SO4 to pH <2 Cool~4C
B1VPT9		W	1	1	1x500-mL G/P	200.8_METALS_ICPMS: Uranium (1)	HNO3 to pH <2

ICED

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
R. Ellingsworth			6-23-08 0930	F. M. Hall			6-23-08 0930
F. M. Hall			6-23-08 1100				6-23-08 1100

Matrix *

S = Soil		DS = Drum Solid	
SE = Sediment		DL = Drum Liqui	
SO = Solid		T = Tissue	
SL = Sludge		WI = Wine	
W = Water		L = Liquid	
O = Oil		V = Vegetation	
A = Air		X = Other	

256 of 271

FINAL SAMPLE DISPOSITION Disposal Method (e.g., Return to customer, per lab procedure, used in process) | Disposed By | Date/Time

FLUOR HANFORD

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # **W08-006-392**

Page 1 of 1

Collector R. Ellingsworth	**Contact/Requester** Steve Trent	**Telephone No.** 509-373-5869 **MSIN** **FAX**
SAF No. W08-006	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title RCRA, JUNE 2008	HNF-N-506-12	**Ice Chest No.** **Temp.**
Shipped To (Lab) Waste Sampling & Characterization	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.**
Protocol RCRA	**Priority:** 45 Days	**Offsite Property No.**

POSSIBLE SAMPLE HAZARDS/REMARKS
** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL INSTRUCTIONS **Hold Time** Total Activity Exemption: Yes ☑ No ☐
Site-Wide Generator Knowledge Information Form applies.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1VPT7 WIXP	CO 29146	W	6-22-08	1126	4x40-mL aGs*	8260_VOA_GCMS: List-2 (25)	HCl or H2SO4 to pH <2 Cool~4C
B1VPT7		W	"	"	1x500-mL G/P	200.8_METALS_ICPMS: Uranium (1)	HNO3 to pH <2

ICED

Relinquished By	Print / Sign	Date/Time	Received By	Print / Sign	Date/Time
R. Ellingsworth		6-23-08 0930	F. M. Hall		6-23-08 0930
F. M. Hall		6-23-08 1100			6-23-08 1100

Matrix *

S = Soil		DS = Drum Solid	
SE = Sediment		DL = Drum Liqui	
SO = Solid		T = Tissue	
SL = Sludge		WI = Wine	
W = Water		L = Liquid	
O = Oil		V = Vegetation	
A = Air		X = Other	

FINAL SAMPLE DISPOSITION Disposal Method (e.g., Return to customer, per lab procedure, used in process) | Disposed By | Date/Time

FLUOR HANFORD

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # **W08-006-388**

Page 1 of 1

Collector R. Ellingsworth	**Contact/Requester** Steve Trent	**Telephone No.** 509-373-5869 **MSIN** **FAX**
SAF No. W08-006	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title RCRA, JUNE 2008	HNF-N-506-12	**Ice Chest No.** **Temp.**
Shipped To (Lab) Waste Sampling & Characterization	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.**
Protocol RCRA	**Priority:** 45 Days	**Offsite Property No.**

POSSIBLE SAMPLE HAZARDS/REMARKS
** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL INSTRUCTIONS **Hold Time** Total Activity Exemption: Yes ☑ No ☐
Site-Wide Generator Knowledge Information Form applies.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1VPT5 W088	D029H7	W	6-22-08	1207	4x40-mL aGs*	8260_VOA_GCMS: List-2 (25)	HCl or H2SO4 to pH <2 Cool~4C
B1VPT5		W	"	"	1x500-mL G/P	200.8_METALS_ICPMS: Uranium (1)	HNO3 to pH <2
B1VPT5		W	"	"	1x500-mL G/P	GAMMA_GS: List-1 (10)	HNO3 to pH <2

ICED

Relinquished By	Print / Sign	Date/Time	Received By	Print / Sign	Date/Time
R. Ellingsworth		0930 6-23-08	F. M. Hall		0930 6-23-08
F. M. Hall		1100 6-23-08			1100 6-23-08

Matrix *

S = Soil		DS = Drum Solid	
SE = Sediment		DL = Drum Liquid	
SO = Solid		T = Tissue	
SL = Sludge		WI = Wine	
W = Water		L = Liquid	
O = Oil		V = Vegetation	
A = Air		X = Other	

FINAL SAMPLE DISPOSITION Disposal Method (e.g., Return to customer, per lab procedure, used in process) | Disposed By | Date/Time

FLUOR HANFORD

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # **W08-006-184**

Page 1 of 1

Collector D. Woshie	**Contact/Requester** Steve Trent	**Telephone No.** 509-373-5869 **MSIN** **FAX**
SAF No. W08-006	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title RCRA, JUNE 2008	HNF-N-506 14	**Ice Chest No.** **Temp.**
Shipped To (Lab) Waste Sampling & Characterization	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.**
Protocol RCRA	**Priority: 45 Days**	**Offsite Property No.**

POSSIBLE SAMPLE HAZARDS/REMARKS
** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL INSTRUCTIONS **Hold Time** Total Activity Exemption: Yes ☑ No ☐
Site-Wide Generator Knowledge Information Form applies.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1VRD1 (F)	W0802955	W	6-22-08	0918	1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1VRD2	W0802957	W			1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1VRD2		W			1x250-mL G/P	2320_ALKALINITY: Alkalinity (1)	Cool~4C
B1VRD2		W			1x500-mL P	300.0_ANIONS_IC: List-1 (5)	Cool~4C
B1VRD2		W			1x500-mL G/P	200.8_METALS_ICPMS: Uranium (1)	HNO3 to pH <2

ICED

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
D. Woshie			6-23-08 JUN 22 2008	F. M. Hall			6-22-08 JUN 22 2008
F. M. Hall			6-23-08 1100				6-23-08 1100

Matrix *

S = Soil		DS = Drum Solid	
SE = Sediment		DL = Drum Liqui	
SO = Solid		T = Tissue	
SL = Sludge		WI = Wipe	
W = Water		L = Liquid	
O = Oil		V = Vegetation	
A = Air		X = Other	

FINAL SAMPLE DISPOSITION Disposal Method (e.g., Return to customer, per lab procedure, used in process) | Disposed By | Date/Time

FLUOR HANFORD

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # **W08-006-180**

Page 1 of 1

Collector D. Woehle	**Contact/Requester** Steve Trent	**Telephone No.** 509-373-5869 **MSIN** **FAX**
SAF No. W08-006	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title RCRA JUNE 2008	HNF-N-506 14	**Ice Chest No.** **Temp.**
Shipped To (Lab) Waste Sampling & Characterization	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.**
Protocol RCRA	**Priority:** 45 Days	**Offsite Property No.**

POSSIBLE SAMPLE HAZARDS/REMARKS
** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL INSTRUCTIONS **Hold Time** Total Activity Exemption: Yes ☑ No ☐
Site-Wide Generator Knowledge Information Form applies.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1VRC7 (F)	W08P0029161	W	6-22-08	1056	1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1VRC8	W08P0029161	W	"	"	1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1VRC8		W	"	"	1x250-mL G/P	2320_ALKALINITY: Alkalinity (1)	Cool~4C
B1VRC8		W	"	"	1x500-mL G/P	200.8_METALS_ICPMS: Uranium (1)	HNO3 to pH <2

ICED

Relinquished By	Print / Sign	Date/Time	Received By	Print / Sign	Date/Time
D. Woehle	D. J. Woehle	6-23-08 0930	F. M. Hall		6-23-08 0830
F. M. Hall		6-23-08 1100			6-23-08 1100

Matrix *

S = Soil		DS = Drum Solid	
SE = Sediment		DL = Drum Liqui	
SO = Solid		T = Tissue	
SL = Sludge		WI = Wine	
W = Water		L = Liquid	
O = Oil		V = Vegetation	
A = Air		X = Other	

FINAL SAMPLE DISPOSITION Disposal Method (e.g., Return to customer, per lab procedure, used in process) | Disposed By | Date/Time

FLUOR HANFORD

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # **W08-004-202**

Page 1 of 1

Collector R. Ellingsworth	**Contact/Requester** Steve Trent	**Telephone No.** 509-373-5869 **MSIN** **FAX**
SAF No. W08-004	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title RCRA APRIL 2008	HNF-N-506 12	**Ice Chest No.** **Temp.**
Shipped To (Lab) Waste Sampling & Characterization	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.**
Protocol RCRA	**Priority:** 45 Days	**Offsite Property No.**

POSSIBLE SAMPLE HAZARDS/REMARKS
** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL INSTRUCTIONS **Hold Time** Total Activity Exemption: Yes ☑ No ☐
Site-Wide Geuerator Knowledge Information Form applies.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1V393 W08P	0029162	W	6-22-08	0918	4x40-mL aGs*	8260_VOA_GCMS: List-2 (25)	HCl or H2SO4 to pH <2 Cool~4C
B1V393		W	1	1	1x20-mL P	Activity Scan	None

ICED

Relinquished By	Print / Sign	Date/Time	Received By	Print / Sign	Date/Time
R. Ellingsworth		6-23-08 0930	F. M. Hall		6-23-08 0930
F. M. Hall		6-23-08 1100			6-23-08 1100

Matrix *

S = Soil		DS = Drum Solid	
SE = Sediment		DL = Drum Liqui	
SO = Solid		T = Tissue	
SL = Sludge		WI = Wine	
W = Water		L = Liquid	
O = Oil		V = Vegetation	
A = Air		X = Other	

FINAL SAMPLE DISPOSITION Disposal Method (e.g., Return to customer, per lab procedure, used in process) | Disposed By | Date/Time

FLUOR HANFORD

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # **W08-006-174**

Page 1 of 1

Collector D. Woehle	**Contact/Requester** Steve Trent	**Telephone No.** 509-373-5869 **MSIN** **FAX**
SAF No. W08-006	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title RCRA JUNE 2008	HNF-N-506 14	**Ice Chest No.** **Temp.**
Shipped To (Lab) Waste Sampling & Characterization	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.**
Protocol RCRA	**Priority:** 45 Days	**Offsite Property No.**

POSSIBLE SAMPLE HAZARDS/REMARKS
** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL INSTRUCTIONS **Hold Time** Total Activity Exemption: Yes ☑ No ☐
Site-Wide Generator Knowledge Information Form applies.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1VMV4 W08P	00 2963	W	6-22-08	MTC	1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool~4C
B1VMV5 W08P	00 2964	W			1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool~4C
B1VMV6 W08P	00 2965	W			1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool~4C
B1VMV7 W08P	00 2966	W			1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool~4C
B1VMV8 (F) W08P	002987	W			1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1VMV9 W08P	002988	W			1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1VMV9	1	W			1x500-mL P	300.0_ANIONS_IC: List-1 (5)	Cool~4C
B1VRC6 W08P	002989	W			1x250-mL G/P	335.2_CYANIDE: Cyanide (1)	NaOH to pH >= 12 Cool~4C

ICED

	Print	Sign	Date/Time		Print	Sign	Date/Time
Relinquished By	D. Woehle		6-23-08 0930	Received By	F. M. Hall		6-23-08 0930
Relinquished By	F. M. Hall		6-23-08 1100	Received By	M.S. Heagney		6-23-08 1100
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time

Matrix *

S = Soil		DS = Drum Solid	
SE = Sediment		DL = Drum Liqui	
SO = Solid		T = Tissue	
SL = Sludge		WI = Wipe	
W = Water		L = Liquid	
O = Oil		V = Vegetation	
A = Air		X = Other	

FINAL SAMPLE DISPOSITION	Disposal Method (e.g., Return to customer, per lab procedure, used in process)	Disposed By	Date/Time

FLUOR HANFORD

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # **W08-006-162**

Page 1 of 1

Collector D. Woehle	**Contact/Requester** Steve Trent	**Telephone No.** 509-373-5869 **MSIN** **FAX**
SAF No. W08-006	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title RCRA JUNE 2008	HNF-N-506 14	**Ice Chest No.** **Temp.**
Shipped To (Lab) Waste Sampling & Characterization	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.**
Protocol RCRA	**Priority: 45 Days**	**Offsite Property No.**

POSSIBLE SAMPLE HAZARDS/REMARKS
** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL INSTRUCTIONS **Hold Time** Total Activity Exemption: Yes ☑ No ☐
Site-Wide Generator Knowledge Information Form applies.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1VMP4	W08P002967	W	6-22-08	1256	1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool~4C
B1VMP5	W08P002968	W			1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool~4C
B1VMP6	W08P002969	W			1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool~4C
B1VMP7	W08P002970	W			1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool~4C
B1VMP8 (F)	W08P002990	W			1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1VMP9	W08P002991	W			1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1VMP9	"	W			1x500-mL P	300.0_ANIONS_IC: List-1 (5)	Cool~4C
B1VRC2	W08P002992	W			1x250-mL G/P	335.2_CYANIDE: Cyanide (1)	NaOH to pH >= 12 Cool~4C

ICED

Relinquished By	Print / Sign	Date/Time	Received By	Print / Sign	Date/Time
D. Woehle		6-23-08 0930	F. M. Hall		6-23-08 0930
F. M. Hall		6-23-08 1100	M.S. Heagney		6-23-08 1100

Matrix *

S = Soil		DS = Drum Solid	
SE = Sediment		DL = Drum Liqui	
SO = Solid		T = Tissue	
SL = Sludge		WI = Wine	
W = Water		L = Liquid	
O = Oil		V = Vegetation	
A = Air		X = Other	

FINAL SAMPLE DISPOSITION Disposal Method (e.g., Return to customer, per lab procedure, used in process) | Disposed By | Date/Time

FLUOR HANFORD

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # **W08-006-191**

Page 1 of 1

Collector	**Contact/Requester** Steve Trent	**Telephone No.** 509-373-5869 **MSIN** **FAX**
SAF No. W08-006	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title RCRA JUNE 2008	HNF-CN-506-16	**Ice Chest No.** **Temp.**
Shipped To (Lab) Waste Sampling & Characterization	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.**
Protocol RCRA	**Priority:** 45 Days	**Offsite Property No.**

POSSIBLE SAMPLE HAZARDS/REMARKS
** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL INSTRUCTIONS **Hold Time** Total Activity Exemption: Yes ☑ No ☐
Site-Wide Generator Knowledge Information Form applies.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1VMX7 (F)	W08P002913	W	6-22-08	0906	1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1VMX8	W08P002914	W	↓	↓	1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1VMX8	↓	W	↓	↓	1x500-mL P	300.0_ANIONS_IC: List-1 (5)	Cool~4C
B1VRD5	W08P002915	W	↓	↓	1x250-mL G/P	335.2_CYANIDE: Cyanide (1)	NaOH to pH >= 12 Cool~4C

ICED

Relinquished By	Print / Sign	Date/Time	Received By	Print / Sign	Date/Time
	D.R. Bruce	6-23-08 0930	F. M. Hall		6-23-08 0930
Relinquished By F. M. Hall		6-23-08 1100	Received By		6-23-08 1100
Relinquished By		Date/Time	Received By		Date/Time
Relinquished By		Date/Time	Received By		Date/Time

Matrix *

S = Soil		DS = Drum Solid	
SE = Sediment		DL = Drum Liqui	
SO = Solid		T = Tissue	
SL = Sludge		WI = Wine	
W = Water		L = Liquid	
O = Oil		V = Vegetation	
A = Air		X = Other	

FINAL SAMPLE DISPOSITION Disposal Method (e.g., Return to customer, per lab procedure, used in process) Disposed By Date/Time

264 of 271

FLUOR HANFORD

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # **W08-006-190**

Page 1 of 1

Collector Fluor Hanford R. BERRINGTON	**Contact/Requester** Steve Trent	**Telephone No.** 509-373-5869 **MSIN** **FAX**
SAF No. W08-006	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title RCRA JUNE 2008	HNF-N-506-16	**Ice Chest No.** **Temp.**
Shipped To (Lab) Waste Sampling & Characterization	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.**
Protocol RCRA	**Priority:** 45 Days	**Offsite Property No.**

POSSIBLE SAMPLE HAZARDS/REMARKS
** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL INSTRUCTIONS **Hold Time** Total Activity Exemption: Yes ☑ No ☐
Site-Wide Generator Knowledge Information Form applies.

Sample No.	Lab ID	•	Date	Time	No/Type Container	Sample Analysis	Preservative
B1VMW9	W0800277 1	W	6-23-08	0906	1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool~4C
B1VMX0	2772	W			1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool~4C
B1VMX1	2773	W			1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool~4C
B1VMX2	2774	W			1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool~4C
B1VMX3 (F)	W0800299 6	W			1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1VMX4	W0800299 7	W			1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1VMX4	1	W			1x500-mL P	300.0_ANIONS_IC: List-1 (5)	Cool~4C
B1VRD4	W0800299 8	W			1x250-mL G/P	335.2_CYANIDE: Cyanide (1)	NaOH to pH >= 12 Cool~4C

ICED

Relinquished By	Print / Sign	Date/Time	Received By	Print / Sign	Date/Time
	D.M. Brunson	6-23-08 0930	F. M. Hall		6-23-08 0930
F. M. Hall		6-23-08 1100			6-23-08 1100
		Date/Time			Date/Time
		Date/Time			Date/Time

Matrix •

S = Soil		DS = Drum Solid	
SE = Sediment		DL = Drum Liqui	
SO = Solid		T = Tissue	
SL = Sludge		WI = Wipe	
W = Water		L = Liquid	
O = Oil		V = Vegetation	
A = Air		X = Other	

FINAL SAMPLE DISPOSITION Disposal Method (e.g., Return to customer, per lab procedure, used in process) | Disposed By | Date/Time

FLUOR HANFORD

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # **W08-006-202**

Page 1 of 1

Collector	**Contact/Requester** Steve Trent	**Telephone No.** 509-373-5869 **MSIN** **FAX**
SAF No. W08-006	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title RCRA, JUNE 2008	HNF-N-506-16/16	**Ice Chest No.** **Temp.**
Shipped To (Lab) Waste Sampling & Characterization	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.**
Protocol RCRA	**Priority:** 45 Days	**Offsite Property No.**

POSSIBLE SAMPLE HAZARDS/REMARKS
** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL INSTRUCTIONS **Hold Time** Total Activity Exemption: Yes ☑ No ☐
Site-Wide Generator Knowledge Information Form applies.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1VN20	W0800275	W	6-22-08	1240	1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool~4C
B1VN21	2976	W			1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool~4C
B1VN22	2977	W			1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool~4C
B1VN23	2978	W			1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool~4C
B1VN24 (F)	2979	W			1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1VN25	W0800300	W			1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1VN25		W			1x500-mL P	300.0_ANIONS_IC: List-1 (5)	Cool~4C
B1VRF0	W0800300	W			1x250-mL G/P	335.2_CYANIDE: Cyanide (1)	NaOH to pH >= 12 Cool~4C

ICED

Relinquished By Print: D.R. Brewington Sign: D.R. Brewington	Date/Time 0930 6-23-08	Received By Print: F.M. Hall Sign: F.M. Hall	Date/Time 0930 6-23-08
Relinquished By Print: F.M. Hall Sign: F.M. Hall	Date/Time 1100 6-23-08	Received By Sign: M Hudson	Date/Time 1100 6-23-08
Relinquished By	Date/Time	Received By	Date/Time
Relinquished By	Date/Time	Received By	Date/Time

Matrix *

S = Soil		DS = Drum Solid	
SE = Sediment		DL = Drum Liqui	
SO = Solid		T = Tissue	
SL = Sludge		WI = Wine	
W = Water		L = Liquid	
O = Oil		V = Vegetation	
A = Air		X = Other	

FINAL SAMPLE DISPOSITION | Disposal Method (e.g., Return to customer, per lab procedure, used in process) | Disposed By | Date/Time

FLUOR HANFORD

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # **W08-006-220**

Page 1 of 1

Collector	**Contact/Requester** Steve Trent	**Telephone No.** 509-373-5869	**MSIN** **FAX**
SAF No. W08-006	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**	
Project Title RCRA JUNE 2008	HNF-N-506-6	**Ice Chest No.**	**Temp.**
Shipped To (Lab) Waste Sampling & Characterization	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.**	
Protocol RCRA	**Priority:** 45 Days	**Offsite Property No.**	

POSSIBLE SAMPLE HAZARDS/REMARKS
** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL INSTRUCTIONS **Hold Time** Total Activity Exemption: Yes ☑ No ☐
Site-Wide Generator Knowledge Information Form applies.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1VN65	W08P002979	W	6-22-08	1032	1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool~4C
B1VN65	W08P003002	W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C
B1VN66	W08P002980	W			1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool~4C
B1VN66	W08P003004	W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C
B1VN67	W08P002981	W			1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool~4C
B1VN67	W08P003005	W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C
B1VN68	W08P002982	W			1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool~4C
B1VN68	W08P003006	W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool~4C
B1VN69 (F)	W08P003007	W			1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1VN70	W08P003008	W			1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1VN70	W08P003008	W			1x500-mL P	300.0_ANIONS_IC: List-1 (5)	Cool~4C
B1VRF6	W08P003009	W	↓	↓	1x250-mL G/P	335.2_CYANIDE: Cyanide (1)	NaOH to pH >= 12 Cool~4C

ICED

	Print	Sign	Date/Time		Print	Sign	Date/Time
Relinquished By	D.R. Brewster		6-23-08 0930	Received By	F. M. Hall		6-23-08 0930
Relinquished By	F. M. Hall		6-23-08 1100	Received By			6-23-08 1100
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time

Matrix *

S = Soil		DS = Drum Solid	
SE = Sediment		DL = Drum Liqui	
SO = Solid		T = Tissue	
SL = Sludge		WI = Wipe	
W = Water		L = Liquid	
O = Oil		V = Vegetation	
A = Air		X = Other	

FINAL SAMPLE DISPOSITION Disposal Method (e.g., Return to customer, per lab procedure, used in process) | Disposed By | Date/Time

FLUOR HANFORD

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

W08-006-196

Page 1 of 1

Collector Hanford [illegible] RICHLAND, WA	**Contact/Requester** Steve Trent	**Telephone No.** 509-373-5869 **MSIN** **FAX**
SAF No. W08-006	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title RCRA JUNE 2008	HNF-N-506-16/6	**Ice Chest No.** **Temp.**
Shipped To (Lab) Waste Sampling & Characterization	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.**
Protocol RCRA	**Priority:** 45 Days	**Offsite Property No.**

POSSIBLE SAMPLE HAZARDS/REMARKS
** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL INSTRUCTIONS **Hold Time** Total Activity Exemption: Yes ☑ No ☐
Site-Wide Generator Knowledge Information Form applies.

Sample No.	Lab ID	*	6-22-08	Time	No/Type Container	Sample Analysis	Preservative
B1VN05	W08PC02983	W		1154	1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool~4C
B1VN06	W08PC02984	W			1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool~4C
B1VN07	W08PC02985	W			1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool~4C
B1VN08	W08PC02986	W			1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool~4C
B1VN09 (F)	W08PC03010	W			1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1VN10	W08PC03011	W			1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1VN10	W08PC03011	W			1x500-mL P	300.0_ANIONS_IC: List-1 (5)	Cool~4C
B1VRD8	W08PC03012	W	✓	✓	1x250-mL G/P	335.2_CYANIDE: Cyanide (1)	NaOH to pH >= 12 Cool~4C

ICED

Relinquished By	Print / Sign	Date/Time	Received By	Print / Sign	Date/Time
	D.R. Brunz	0930 6-23-08	F. M. Hall		0930 6-23-08
F. M. Hall		1100 6-23-08			1100 6-23-08

Matrix *

S = Soil		DS = Drum Solid	
SE = Sediment		DL = Drum Liqui	
SO = Solid		T = Tissue	
SL = Sludge		WI = Wine	
W = Water		L = Liquid	
O = Oil		V = Vegetation	
A = Air		X = Other	

FINAL SAMPLE DISPOSITION Disposal Method (e.g., Return to customer, per lab procedure, used in process) | Disposed By | Date/Time

FLUOR HANFORD

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # **W08-006-338**

Page 1 of 1

Collector Scott E. Hamaker	**Contact/Requester** Steve Trent	**Telephone No.** 509-373-5869 **MSIN** **FAX**
SAF No. W08-006	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title RCRA JUNE 2008	HNF-N-506 17	**Ice Chest No.** 6W1 **Temp.**
Shipped To (Lab) Waste Sampling & Characterization	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.**
Protocol RCRA	**Priority: 45 Days**	**Offsite Property No.**

POSSIBLE SAMPLE HAZARDS/REMARKS
** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL INSTRUCTIONS **Hold Time** Total Activity Exemption: Yes ☑ No ☐
Site-Wide Generator Knowledge Information Form applies.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1VRL8 (F)	W08003013	W	6/22/08	1135	1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1VRL9	W08003015	W			1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1VRL9		W			1x250-mL G/P	2320_ALKALINITY: Alkalinity (1)	Cool~4C
B1VRL9		W			1x500-mL P	300.0_ANIONS_IC: List-1 (5)	Cool~4C
B1VRL9		W			1x1000-mL G/P	TC99_3MDSK_LSC: Tc-99 (1)	HCl to pH <2

ICED

6/22/08

Relinquished By	Print / Sign	Date/Time	Received By	Print / Sign	Date/Time
	Scott E. Hamaker	0930 6-23-08		F. M. Hall	0930 6-23-08
Relinquished By	F. M. Hall	Date/Time 1100 6-23-08	Received By		Date/Time 1100 6-23-08
Relinquished By		Date/Time	Received By		Date/Time
Relinquished By		Date/Time	Received By		Date/Time

Matrix *

S = Soil		DS = Drum Solid	
SE = Sediment		DL = Drum Liqui	
SO = Solid		T = Tissue	
SL = Sludge		WI = Wine	
W = Water		L = Liquid	
O = Oil		V = Vegetation	
A = Air		X = Other	

FINAL SAMPLE DISPOSITION Disposal Method (e.g., Return to customer, per lab procedure, used in process) | Disposed By | Date/Time

FLUOR HANFORD

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

W08-006-346

Page 1 of 1

Collector Scott E. Hamaker ~~Scott E. Hamaker~~	**Contact/Requester** Steve Trent	**Telephone No.** 509-373-5869 **MSIN** **FAX**
SAF No. W08-006	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title RCRA JUNE 2008	HNF-N-501 17	**Ice Chest No.** GW-1 **Temp.**
Shipped To (Lab) Waste Sampling & Characterization	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.**
Protocol RCRA	**Priority:** 45 Days	**Offsite Property No.**

POSSIBLE SAMPLE HAZARDS/REMARKS
** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL INSTRUCTIONS **Hold Time** Total Activity Exemption: Yes ☑ No ☐
Site-Wide Generator Knowledge Information Form applies.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1VRM6 (F)	W08PC03017	W	6/22/08	0839	1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1VRM7	W08PC03019	W	↓	↓	1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1VRM7	↓	W			1x250-mL G/P	2320_ALKALINITY: Alkalinity (1)	Cool~4C
B1VRM7		W			1x500-mL P	300.0_ANIONS_IC: List-1 (5)	Cool~4C
B1VRM7		W			1x1000-mL G/P	TC99_3MDSK_LSC: Tc-99 (1)	HCl to pH <2

ICED

6/22/08

	Print	Sign	Date/Time		Print	Sign	Date/Time
Relinquished By	Scott Hamaker	Scott Hamaker	0930	Received By	F. M. Hall		0930
Relinquished By	Josh Herrick, Fluor Hanford		6/23/08	Received By			JUN 22 2008 6/24/08
Relinquished By	F. M. Hall		6-23-08 1100	Received By			6-23-08 1100
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time

Matrix *

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SL = Sludge		WI = Wine	
W = Water		L = Liquid	
O = Oil		V = Vegetation	
A = Air		X = Other	

FINAL SAMPLE DISPOSITION Disposal Method (e.g., Return to customer, per lab procedure, used in process) Disposed By Date/Time

270 of 271

FLUOR HANFORD

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # **W08-006-350**

Page 1 of 1

Collector Scott E. Hemeker	**Contact/Requester** Steve Trent	**Telephone No.** 509-373-5869 **MSIN** **FAX**
SAF No. W08-006	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title RCRA, JUNE 2008	HNF-N-506 17	**Ice Chest No.** 6W-1 **Temp.**
Shipped To (Lab) Waste Sampling & Characterization	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.**
Protocol RCRA	**Priority:** 45 Days	**Offsite Property No.**

POSSIBLE SAMPLE HAZARDS/REMARKS
** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL INSTRUCTIONS **Hold Time** Total Activity Exemption: Yes ☑ No ☐
Site-Wide Generator Knowledge Information Form applies.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1VPD2 (F)	W08P003021	W	6/22/08	1007	1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1VPD3	W08P003023	W			1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1VPD3		W			1x250-mL G/P	2320_ALKALINITY: Alkalinity (1)	Cool~4C
B1VPD3		W			1x500-mL P	300.0_ANIONS_IC: List-1 (5)	Cool~4C
B1VPD3		W			1x1000-mL G/P	TC99_3MDSK_LSC: Tc-99 (1)	HCl to pH <2

6/22/08

ICED

Relinquished By (Print / Sign)	Date/Time	Received By (Print / Sign)	Date/Time
Scott E. Hemeker	6-23-08 0930	F. M. Hall	6-23-08 0930
F. M. Hall	6-23-08 1100		6-23-08 1100

Matrix *

S = Soil		DS = Drum Solid	
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SL = Sludge		WI = Wine	
W = Water		L = Liquid	
O = Oil		V = Vegetation	
A = Air		X = Other	

FINAL SAMPLE DISPOSITION Disposal Method (e.g., Return to customer, per lab procedure, used in process) | Disposed By | Date/Time