WSCF Laboratory

PO Box 650 S3-30
Richland, WA 99352

RECEIVED DECEMBER 30, 2010

0097425

December 29, 2010

Michael Neely
CH2M-HILL PRC
PO Box 1600
Richland, WA 99352

Dear Michael Neely,

FINAL RESULT FOR SAMPLE DELIVERY GROUP WSCF103130

Reference: (1) SOW, Mod 2, #36587, Release 3
(2) HNF-SD-CD-QAPP-017, current version, Waste Sampling & Characterization Facility Quality Assurance Plan

This letter contains the following information for sample delivery group WSCF103130

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

Very truly yours,

Electronically signed by Carolyn Watkins

For Lab Manager

WSCF Analytical Lab

(509) 373-7495

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JUL 11 2011
EDMC

Attachments 4

CC: w/Attachments

File/LB

ATTACHMENT 1

COVER SHEET

Consisting of 2 pages
Including cover page

WSCF SAF Number Cross Reference

Group # WSCF103130
Data Deliverable Date 12/29/10

SAF #	Sample ID	Sample #	Matrix	Sampled	Received
X11-005	B28JW3	103130001	WATER	11/29/10	11/29/10
X11-005	B28JW4	103130002	WATER	11/29/10	11/29/10
X11-005	B28JW5	103130003	WATER	11/29/10	11/29/10
X11-005	B27X18	103130004	WATER	11/29/10	11/29/10
X11-005	B27X24	103130005	WATER	11/29/10	11/29/10
X11-005	B27X30	103130006	WATER	11/29/10	11/29/10
X11-005	B27X19	103130007	WATER	11/29/10	11/29/10
X11-005	B27X25	103130008	WATER	11/29/10	11/29/10
X11-005	B27X31	103130009	WATER	11/29/10	11/29/10

ATTACHMENT 2

NARRATIVE

Consisting of 5 pages
Including cover page

Attachment 2
Narrative
WSCF103130

Introduction

Nine (9) groundwater samples were received at the WSCF Laboratory on November 29, 2010. The samples were analyzed for the analytes indicated on the attached copy of the chain of custody (COC) form in accordance with the *Statement of Work (SOW), Modification No. 2 to Agreement 36587, Release 3, "FH WSCF ANALYTICAL SERVICES FOR GROUNDWATER."*

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

It should be noted that the attached chain of custody was not stamped "ICED" by the WSCF Laboratory Sample Custodian during sample receiving. However, based on procedure LO-090-403 form "NOTICE OF IMPROPER SAMPLE SUBMITTAL" was not submitted and was not stamped "NOT ICED". No anomaly was noted during sample receipt.

The following generic data qualifiers (i.e., B, D, U and J) may be applicable to this report, as appropriate

- **B** – Sample results with a concentration greater than the MDL but less than the PQL are B flagged (applies to inorganic and wet chemical analyses), as appropriate.
- **D** – Sample results are D flagged if dilution(s) were required, as appropriate.
- **J** – Sample results with a concentration greater than the MDL but less than the PQL are J flagged (applies to organic analyses), as appropriate.
- **U** – Analyzed for but not detected above limiting criteria. Relative Percent Difference (RPD) values associated with an analyte qualified with a "U" are not applicable.

Analytical Methodology for Requested Analyses

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

Inorganic Comments

Anions – Hold time requirements for this analysis were met. A Duplicate, Matrix Spike, Matrix Spike Duplicate, Blank and Laboratory Control Sample were analyzed with this delivery group. Analytical Note(s):

- Batch QC 170448 analyzed on sample# B28MN5 (103124001)
- Batch QC 170450 analyzed on sample# B28JW5 (103130003)

All applicable QC controls are within the established limits.

Attachment 2
Narrative
WSCF103130

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. Analytical Note(s):

- Batch QC 170451 analyzed on sample# B28MN1 (103124003)
  - Recovery of Potassium from the Laboratory Control Sample (LCS) was flagged as being outside established laboratory limits. However, a new standard was used with the actual spike concentration being 1 ppm, not 10 ppm. Taking into account the correct concentration of Potassium in the LCS, the analyte was recovered at 102%. The 1 ppm concentration also applies to the Matrix Spike (MS) and Matrix Spike Duplicate (MSD). The MS and MSD percent recoveries were both 98%.
  - Sodium was detected in the Blank and was evaluated. No sample results in this batch were affected. "C" Flags not required.
  - All other applicable 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. Analytical Note(s):

- Batch QC 170910 analyzed on sample# B27X18 (103130004)
  - All applicable 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. Analytical Note(s):

- Batch QC 170742 analyzed on sample# B28MN2 (103124005)
  - All applicable QC controls are within the established limits.

Organic Comments

TPHD-WA – 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. Analytical Note(s):

- Due to the co-elution of analytes for TPHD-WA (DRO) and kerosene analysis, samples are spiked and evaluated for TPHD only.
- Batch QC 170558 analyzed on sample# B27X19 (103130007)
  - All applicable QC controls are within the established limits.

Attachment 2
Narrative
WSCF103130

Radiochemistry Comments

Rad Chem – The hold time requirement for this analysis was met. A Duplicate, Matrix Spike (Matrix Spikes apply only to Technetium & Tritium), Blank and Laboratory Control Sample were analyzed with this delivery group. Analytical Note(s):

Tracers are used to determine chemical yield. RPD is monitored in sample duplicate and is not required for tracer recovery per SOW.

- Americium-241:
  - Batch QC 170471 analyzed on sample# B27X02 (102968003)
    - All applicable QC controls are within the established limits.
- Technetium-99:
  - Batch QC 170523 analyzed on sample# B27X19 (103130007)
    - Duplicate Relative Percent Difference (RPD) is outside established laboratory limits. RPD limit does not apply to results near the Minimum Detectable Concentration.
    - All other applicable QC controls are within the established limits.
- Tritium:
  - Batch QC 170491 analyzed on sample# B27XD1 (103126003)
    - All applicable QC controls are within the established limits.
- Gross Alpha / Gross Beta:
  - Batch QC 170549 analyzed on sample# B27C50 (103065002)
    - Gross Beta-Duplicate Relative Percent Difference (RPD) is outside established laboratory limits. RPD limit does not apply to results near the Minimum Detectable Concentration.
    - All other applicable QC controls are within the established limits.
  - Batch QC 170550 analyzed on sample# B27X25 (103130008)
    - All applicable QC controls are within the established limits.

Attachment 2
Narrative
WSCF103130

- Strontium-89/90:
  - Batch QC 170486 analyzed on sample# B28MN2 (103124005)
    - All applicable QC controls are within the established limits.

We certify that this data package is in compliance with the SOW, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this data package has been authorized by the Analytical Laboratory Manager (or designee) and the Client Services representative as verified by electronic signatures shown on the WSCF ANALYTICAL RESULTS REPORT.

ATTACHMENT 3

ANALYTICAL RESULTS

Consisting of 70 pages
Including cover page

WSCF ANALYTICAL RESULTS REPORT

For

CH2M Hill Plateau Remediation

PO Box 1600
Richland, WA 99352

Attention: Michael Neely

Contract # MOA-FH-CHPRC-2008
Group # WSCF103130
Report Date December 29, 2010

Analytical: Electronically signed by Carolyn Watkins

Client Services: Electronically signed by Susan Kon

Solid samples results that have a 'Percent Solid' test are reported on a "dry weight basis", except results of TCLP, Percent Solid, and Total Activity. If no `Percent Solid' test is reported then the results are reported on an "as received" basis.

This information is intended for the use of the addressee only. If the reader of this report is not the intended recipient or is not authorized by the recipient to receive the report, you are hereby notified that any dissemination, distribution or copying of this report is strictly prohibited. If you have received this report in error, please notify WSCF Laboratory immediately by telephone at (509) 373-7020 or (509) 531-8004. Information designation of this report is the responsibility of the customer.

Batch QC List

Attention Michael Neely
Department Inorganic

Group # WSCF103130

QC Batch	Analytical Batch	S#	Type	Sample #	Client Sample#	Original	Test
170448	170448	2	BLANK	42828	BLANK		Anions by Ion Chromatography (Water)
170448	170448	3	LCS	42829	LCS		Anions by Ion Chromatography (Water)
170448	170448	4	DUP	42830	B28MN5(103124001DUP)	103124001	Anions by Ion Chromatography (Water)
170448	170448	5	MS	42831	B28MN5(103124001MS)	103124001	Anions by Ion Chromatography (Water)
170448	170448	6	MSD	42832	B28MN5(103124001MSD	103124001	Anions by Ion Chromatography (Water)
170448	170448	9	SAMPLE	103130001	B28JW3		Anions by Ion Chromatography (Water)
170450	170450	2	BLANK	42835	BLANK		Anions by Ion Chromatography (Water)
170450	170450	3	LCS	42836	LCS		Anions by Ion Chromatography (Water)
170450	170450	4	DUP	42837	B28JW5(103130003DUP)	103130003	Anions by Ion Chromatography (Water)
170450	170450	5	MS	42838	B28JW5(103130003MS)	103130003	Anions by Ion Chromatography (Water)
170450	170450	6	MSD	42839	B28JW5(103130003MSD)	103130003	Anions by Ion Chromatography (Water)
170450	170450	8	SAMPLE	103130002	B28JW4		Anions by Ion Chromatography (Water)
170450	170450	11	SAMPLE	103130003	B28JW5		Anions by Ion Chromatography (Water)
170451	170559	1	BLANK	42841	BLANK		ICP-6010 - All possible metals
170451	170559	2	LCS	42842	LCS		ICP-6010 - All possible metals
170451	170559	3	MS	42843	B28MN1(103124003MS)	103124003	ICP-6010 - All possible metals
170451	170559	4	MSD	42844	B28MN1(103124003MSD	103124003	ICP-6010 - All possible metals
170451	170559	11	SAMPLE	103130004	B27X18		ICP-6010 - All possible metals
170451	170559	12	SAMPLE	103130005	B27X24		ICP-6010 - All possible metals
170451	170559	13	SAMPLE	103130006	B27X30		ICP-6010 - All possible metals
170451	170559	14	SAMPLE	103130007	B27X19		ICP-6010 - All possible metals
170451	170559	15	SAMPLE	103130008	B27X25		ICP-6010 - All possible metals
170451	170559	16	SAMPLE	103130009	B27X31		ICP-6010 - All possible metals

Batch QC List

Attention Michael Neely
Department Inorganic

Group # WSCF103130

QC Batch	Analytical Batch	S#	Type	Sample #	Client Sample#	Original	Test
170910	170911	4	BLANK	43721	BLANK		ICP-2008 MS All possible metal
170910	170911	5	LCS	43722	LCS		ICP-2008 MS All possible metal
170910	170911	6	MS	43723	B27X18(103130004MS)	103130004	ICP-2008 MS All possible metal
170910	170911	7	MSD	43724	B27X18(103130004MSD)	103130004	ICP-2008 MS All possible metal
170910	170911	8	SAMPLE	103130004	B27X18		ICP-2008 MS All possible metal
170910	170911	9	SAMPLE	103130005	B27X24		ICP-2008 MS All possible metal
170910	170911	10	SAMPLE	103130006	B27X30		ICP-2008 MS All possible metal
170910	170911	11	SAMPLE	103130007	B27X19		ICP-2008 MS All possible metal
170910	170911	12	SAMPLE	103130008	B27X25		ICP-2008 MS All possible metal
170910	170911	13	SAMPLE	103130009	B27X31		ICP-2008 MS All possible metal

Batch QC List

Attention Michael Neely
Department Organic, Semivolatiles

Group # WSCF103130

QC Batch	Analytical Batch	S#	Type	Sample #	Client Sample#	Original	Test
170558	170939	1	BLANK	43043	BLANK		Extractable Diesel and Petroleum
170558	170939	2	LCS	43044	LCS		Extractable Diesel and Petroleum
170558	170939	4	SAMPLE	103130007	B27X19		Extractable Diesel and Petroleum
170558	170939	5	MS	43045	B27X19(103130007MS)	103130007	Extractable Diesel and Petroleum
170558	170939	6	MSD	43046	B27X19(103130007MSD)	103130007	Extractable Diesel and Petroleum
170558	170939	8	SAMPLE	103130008	B27X25		Extractable Diesel and Petroleum
170558	170939	11	SAMPLE	103130009	B27X31		Extractable Diesel and Petroleum

Batch QC List

Attention Michael Neely
Department Radiochemistry

Group # WSCF103130

QC Batch	Analytical Batch	S#	Type	Sample #	Client Sample#	Original	Test
170471	170719	1	BLANK	42911	BLANK		Americium/Curium (AEA)
170471	170719	2	LCS	42912	LCS		Americium/Curium (AEA)
170471	170719	4	DUP	42913	B27X02(102968003DUP)	102968003	Americium/Curium (AEA)
170471	170719	6	SAMPLE	103130007	B27X19		Americium/Curium (AEA)
170471	170719	7	SAMPLE	103130008	B27X25		Americium/Curium (AEA)
170471	170719	8	SAMPLE	103130009	B27X31		Americium/Curium (AEA)
170486	172487	1	BLANK	42946	BLANK		Strontium 89/90 (GPC/GEA)
170486	172487	2	LCS	42947	LCS		Strontium 89/90 (GPC/GEA)
170486	172487	3	DUP	42948	B28MN2(103124005DUP)	103124005	Strontium 89/90 (GPC/GEA)
170486	172487	7	SAMPLE	103130007	B27X19		Strontium 89/90 (GPC/GEA)
170486	172487	8	SAMPLE	103130008	B27X25		Strontium 89/90 (GPC/GEA)
170486	172487	9	SAMPLE	103130009	B27X31		Strontium 89/90 (GPC/GEA)
170491	170691	1	BLANK	42962	BLANK		Tritium by LSC
170491	170691	2	LCS	42963	LCS		Tritium by LSC
170491	170691	4	DUP	42964	B27XD1(103126003DUP)	103126003	Tritium by LSC
170491	170691	5	MS	42965	B27XD1(103126003MS)	103126003	Tritium by LSC
170491	170691	6	SAMPLE	103130007	B27X19		Tritium by LSC
170491	170691	7	SAMPLE	103130008	B27X25		Tritium by LSC
170491	170691	8	SAMPLE	103130009	B27X31		Tritium by LSC
170523	170690	1	BLANK	42994	BLANK		TC99 by Liquid Scintillation
170523	170690	2	LCS	42995	LCS		TC99 by Liquid Scintillation
170523	170690	3	SAMPLE	103130007	B27X19		TC99 by Liquid Scintillation
170523	170690	4	DUP	42996	B27X19(103130007DUP)	103130007	TC99 by Liquid Scintillation

Batch QC List

Attention Michael Neely
Department Radiochemistry

Group # WSCF103130

QC Batch	Analytical Batch	S#	Type	Sample #	Client Sample#	Original	Test
170523	170690	5	MS	42997	B27X19(103130007MS)	103130007	TC99 by Liquid Scintillation
170523	170690	6	SAMPLE	103130008	B27X25		TC99 by Liquid Scintillation
170523	170690	7	SAMPLE	103130009	B27X31		TC99 by Liquid Scintillation
170549	170671	1	BLANK	43023	BLANK		Gross Alpha/Gross Beta
170549	170671	2	LCS	43024	LCS		Gross Alpha/Gross Beta
170549	170671	5	DUP	43025	B27C50(103065002DUP)	103065002	Gross Alpha/Gross Beta
170549	170671	16	SAMPLE	103130007	B27X19		Gross Alpha/Gross Beta
170549	170671	17	SAMPLE	103130007	B27X19		Gross Alpha/Gross Beta
170550	170672	1	BLANK	43026	BLANK		Gross Alpha/Gross Beta
170550	170672	2	LCS	43027	LCS		Gross Alpha/Gross Beta
170550	170672	3	SAMPLE	103130008	B27X25		Gross Alpha/Gross Beta
170550	170672	4	SAMPLE	103130008	B27X25		Gross Alpha/Gross Beta
170550	170672	5	DUP	43028	B27X25(103130008DUP)	103130008	Gross Alpha/Gross Beta
170550	170672	6	SAMPLE	103130009	B27X31		Gross Alpha/Gross Beta
170550	170672	7	SAMPLE	103130009	B27X31		Gross Alpha/Gross Beta

Batch QC List

Attention Michael Neely
Department Wet Chemistry

Group # WSCF103130

QC Batch	Analytical Batch	S#	Type	Sample #	Client Sample#	Original	Test
170742	170742	1	LCS	43394	LCS		Total Alkalinity as mg/L CaCO3 (Water)
170742	170742	2	DUP	43395	B28MN2(103124005DUP)	103124005	Total Alkalinity as mg/L CaCO3 (Water)
170742	170742	6	SAMPLE	103130007	B27X19		Total Alkalinity as mg/L CaCO3 (Water)
170742	170742	7	SAMPLE	103130008	B27X25		Total Alkalinity as mg/L CaCO3 (Water)
170742	170742	8	SAMPLE	103130009	B27X31		Total Alkalinity as mg/L CaCO3 (Water)

Method Reference

Attention Michael Neely
Department Inorganic

Group # WSCF103130

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, industry methods or HEIS 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 WSCF procedure may reference an older version of the method. Also, a reference to a regulatory or industry method here does not necessarily indicate a verbatim implementation of that method.

LA-505-411	Elemental Analysis by ICP Atomic Emission Spectroscopy (ICP-AES)		
	EPA SW-846	6010C	Inductively Coupled Plasma-Atomic Emmision Spectrometry
	HEIS	6010_METALS_ICP	Inductively Coupled Plasma-Atomic Emmision Spectrometry
LA-505-412	Determination of Trace Elements in Waters & Wastes by ICP-Mass Spectrometry		
	EPA-600/R-94-111	200.8	Determination of Trace Elements in Waters and Waste by Inductively Coupled Plasma
	HEIS	200.8_METALS_ICPMS	Determination of Trace Elements in Waters and Waste by Inductively Coupled Plasma, Mass Spec.
LA-533-410	Anion Analysis by Ion Chromatography		
	EPA-600/R-94-111	300.0	Determination of Inorganic Anions by Ion Chromatography
	HEIS	300.0_ANIONS_IC	Determination of Inorganic Anions by Ion Chromatography

Note: A complete list of WSCF analytical procedures and reference regulatory or industry methods is available online at http://www7.rl.gov/rapidweb/AS-DOL/index.cfm

Method Reference

Attention Michael Neely
Department Organic, Semivolatiles

Group # WSCF103130

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, industry methods or HEIS 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 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-523-493	NWTPH-Dx, Extractible Diesel and Petroleum Productions Analysis in Soil and Water		
	WDOE	WDOE	Total Petroleum Hydrocarbons in Diesel
	HEIS	WTPH_DIESEL	TPH Diesel

Note: A complete list of WSCF analytical procedures and reference regulatory or industry methods is available online at http://www7.rl.gov/rapidweb/AS-DOL/index.cfm

Method Reference

Attention Michael Neely
Department Radiochemistry

Group # WSCF103130

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, industry methods or HEIS 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 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-220-406	Strontium-89 and 90 in Aqueous Samples by SR-SPEC Separation		
	HEIS	SRTOT_SEP_PRECIP_GPC	Strontium 89/90, by Sr-Spec Sep.
LA-508-471	Determination Of Uranium, Plutonium, And Americium		
	HEIS	AMCMISO_IE_PREC_AEA	Americium/Curium Iso, Alpha Spec
LA-508-421	Operation of the Tri-Carb Model 2500TR Liquid Scintillation Analyzer		
	HEIS	ALPHA_LSC	A/B Liquid Scintillation
	HEIS	BETA_LSC	A/B Liquid Scintillation
	HEIS	TC99_3MDSK_LSC	TC99 by Liquid Scintillation
	HEIS	TRITIUM_EIE_LSC	Tritium, by Eichrome ion exchange, LSC
LA-508-415	Operation Of The Protean 2-Inch Alpha/Beta Counting System For Gross Alpha/ Beta Samples		
	HEIS	ALPHA_GPC	Gross Alpha by GPC
	HEIS	BETA_GPC	Gross Beta by GPC
	HEIS	SRTOT_SEP_PRECIP_GPC	Strontium beta isotopic, GPC

Note: A complete list of WSCF analytical procedures and reference regulatory or industry methods is available online at http://www7.rl.gov/rapidweb/AS-DOL/index.cfm

Method Reference

Attention Michael Neely
Department Wet Chemistry

Group # WSCF103130

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, industry methods or HEIS 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 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-531-411	Alkalinity		
	EPA-600/4-79-020	310.1	Alkalinity
	HEIS	2320_ALKALINITY	Alkalinity

Note: A complete list of WSCF analytical procedures and reference regulatory or industry methods is available online at http://www7.rl.gov/rapidweb/AS-DOL/index.cfm

WSCF Analytical Results Report

Attention Michael Neely
Department Inorganic

Group # WSCF103130

Sample # 103130001
SAF# X11-005
Sample ID B28JW3

Matrix WATER
Sampled 11/29/10
Received 11/29/10

Test Performed	CAS #	Method	RQ	Result	TP Err	Units	DF	MDL	PQL	Analyzed
Anions by IC										**11/29/10**
Anions by IC										
Fluoride	16984-48-8	LA-533-410	BD	0.342		ug/mL	2	0.088	0.40	11/29/10
Chloride	16887-00-6	LA-533-410	D	11.3		ug/mL	2	0.084	0.80	11/29/10
Nitrite-N	NO2-N	LA-533-410	UD	<0.036		ug/mL	2	0.036	0.20	11/29/10
Bromide	24959-67-9	LA-533-410	UD	<0.11		ug/mL	2	0.11	1.0	11/29/10
Nitrate-N	NO3-N	LA-533-410	D	5.24		ug/mL	2	0.019	0.20	11/29/10
Phosphate-P	PO4-P	LA-533-410	UD	<0.14		ug/mL	2	0.14	0.80	11/29/10
Sulfate	14808-79-8	LA-533-410	D	58.5		ug/mL	2	0.17	2.0	11/29/10

MDL = Minimum Detection
RQ = Result Qualifier
TP Err = Total Propagated
DF = Dilution Factor
+ - Indicates more than nine qualifier

B - Analyte < the PQL(or EQL)but >= the IDL/MDL(Inorganic)
C - Analyte was found in the Associated Blank. (Inorganic)
D - Analyte was reported at a secondary diltution factor.
E - Analyte is an estimate, see comment section.
N - MS and/or MSD recovery outside control limits.

U - Analyzed for but not detected above limiting criteria.
X,Y or Z - See comment detail and/or narrative.
PQL is equivalent to Estimated Quantitation Limit (EQL)

WSCF Analytical Results Report

Attention Michael Neely
Department Inorganic

Group # WSCF103130

Sample # 103130002
SAF# X11-005
Sample ID B28JW4

Matrix WATER
Sampled 11/29/10
Received 11/29/10

Test Performed	CAS #	Method	RQ	Result	TP Err	Units	DF	MDL	PQL	Analyzed
Anions by IC										**11/29/10**
Anions by IC										
Fluoride	16984-48-8	LA-533-410	D	0.401		ug/mL	2	0.088	0.40	11/29/10
Chloride	16887-00-6	LA-533-410	D	8.19		ug/mL	2	0.084	0.80	11/29/10
Nitrite-N	NO2-N	LA-533-410	UD	<0.036		ug/mL	2	0.036	0.20	11/29/10
Bromide	24959-67-9	LA-533-410	UD	<0.11		ug/mL	2	0.11	1.0	11/29/10
Nitrate-N	NO3-N	LA-533-410	D	1.81		ug/mL	2	0.019	0.20	11/29/10
Phosphate-P	PO4-P	LA-533-410	UD	<0.14		ug/mL	2	0.14	0.80	11/29/10
Sulfate	14808-79-8	LA-533-410	D	29.4		ug/mL	2	0.17	2.0	11/29/10

MDL = Minimum Detection
RQ = Result Qualifier
TP Err = Total Propagated
DF = Dilution Factor
+ - Indicates more than nine qualifier

B - Analyte < the PQL(or EQL)but >= the IDL/MDL(Inorganic)
C - Analyte was found in the Associated Blank. (Inorganic)
D - Analyte was reported at a secondary diltution factor.
E - Analyte is an estimate, see comment section.
N - MS and/or MSD recovery outside control limits.

U - Analyzed for but not detected above limiting criteria.
X,Y or Z - See comment detail and/or narrative.
PQL is equivalent to Estimated Quantitation Limit (EQL)

WSCF Analytical Results Report

Attention Michael Neely
Department Inorganic

Group # WSCF103130

Sample # 103130003
SAF# X11-005
Sample ID B28JW5

Matrix WATER
Sampled 11/29/10
Received 11/29/10

Test Performed	CAS #	Method	RQ	Result	TP Err	Units	DF	MDL	PQL	Analyzed
Anions by IC										**11/29/10**
Anions by IC										
Fluoride	16984-48-8	LA-533-410	BD	0.392		ug/mL	2	0.088	0.40	11/29/10
Chloride	16887-00-6	LA-533-410	D	7.62		ug/mL	2	0.084	0.80	11/29/10
Nitrite-N	NO2-N	LA-533-410	UD	<0.036		ug/mL	2	0.036	0.20	11/29/10
Bromide	24959-67-9	LA-533-410	UD	<0.11		ug/mL	2	0.11	1.0	11/29/10
Nitrate-N	NO3-N	LA-533-410	D	1.54		ug/mL	2	0.019	0.20	11/29/10
Phosphate-P	PO4-P	LA-533-410	UD	<0.14		ug/mL	2	0.14	0.80	11/29/10
Sulfate	14808-79-8	LA-533-410	D	28.1		ug/mL	2	0.17	2.0	11/29/10

MDL = Minimum Detection
RQ = Result Qualifier
TP Err = Total Propagated
DF = Dilution Factor
+ - Indicates more than nine qualifier

B - Analyte < the PQL(or EQL)but >= the IDL/MDL(Inorganic)
C - Analyte was found in the Associated Blank. (Inorganic)
D - Analyte was reported at a secondary diltution factor.
E - Analyte is an estimate, see comment section.
N - MS and/or MSD recovery outside control limits.

U - Analyzed for but not detected above limiting criteria.
X,Y or Z - See comment detail and/or narrative.
PQL is equivalent to Estimated Quantitation Limit (EQL)

WSCF Analytical Results Report

Attention Michael Neely
Department Inorganic

Group # WSCF103130

Sample # 103130004
SAF# X11-005
Sample ID B27X18

Matrix WATER
Sampled 11/29/10
Received 11/29/10

Test Performed	CAS #	Method	RQ	Result	TP Err	Units	DF	MDL	PQL	Analyzed
ICP Prep										**11/30/10**
ICP-AES										
Aluminum	7429-90-5	LA-505-411	U	<19		ug/L	1	19	95	12/02/10
Iron	7439-89-6	LA-505-411	U	<38		ug/L	1	38	190	12/02/10
Magnesium	7439-95-4	LA-505-411		14000		ug/L	1	14	70	12/02/10
Manganese	7439-96-5	LA-505-411	U	<6.0		ug/L	1	6.0	30	12/02/10
Nickel	7440-02-0	LA-505-411	U	<4.0		ug/L	1	4.0	20	12/02/10
Potassium	7440-09-7	LA-505-411	X	4370		ug/L	1	73	360	12/02/10
Silver	7440-22-4	LA-505-411	U	<7.0		ug/L	1	7.0	35	12/02/10
Sodium	7440-23-5	LA-505-411		19200		ug/L	1	11	55	12/02/10
Antimony	7440-36-0	LA-505-411	U	<47		ug/L	1	47	240	12/02/10
Barium	7440-39-3	LA-505-411		41.0		ug/L	1	4.0	20	12/02/10
Cadmium	7440-43-9	LA-505-411	U	<4.0		ug/L	1	4.0	20	12/02/10
Chromium	7440-47-3	LA-505-411	U	<14		ug/L	1	14	70	12/02/10
Cobalt	7440-48-4	LA-505-411	U	<4.0		ug/L	1	4.0	20	12/02/10
Copper	7440-50-8	LA-505-411	U	<5.0		ug/L	1	5.0	25	12/02/10
Vanadium	7440-62-2	LA-505-411	B	17.0		ug/L	1	17	85	12/02/10
Zinc	7440-66-6	LA-505-411	U	<4.0		ug/L	1	4.0	20	12/02/10
Calcium	7440-70-2	LA-505-411		41100		ug/L	1	28	140	12/02/10

MDL = Minimum Detection
RQ = Result Qualifier
TP Err = Total Propagated
DF = Dilution Factor
+ - Indicates more than nine qualifier

B - Analyte < the PQL(or EQL)but >= the IDL/MDL(Inorganic)
C - Analyte was found in the Associated Blank. (Inorganic)
D - Analyte was reported at a secondary diltution factor.
E - Analyte is an estimate, see comment section.
N - MS and/or MSD recovery outside control limits.

U - Analyzed for but not detected above limiting criteria.
X,Y or Z - See comment detail and/or narrative.
PQL is equivalent to Estimated Quantitation Limit (EQL)

WSCF Analytical Results Report

Attention Michael Neely
Department Inorganic

Group # WSCF103130

Sample # 103130004
SAF# X11-005
Sample ID B27X18

Matrix WATER
Sampled 11/29/10
Received 11/29/10

Test Performed	CAS #	Method	RQ	Result	TP Err	Units	DF	MDL	PQL	Analyzed
Lead	7439-92-1	LA-505-411	U	<42		ug/L	1	42	210	12/02/10
Lithium	7439-93-2	LA-505-411	U	<4.0		ug/L	1	4.0	20	12/02/10
Molybdenum	7439-98-7	LA-505-411	U	<4.0		ug/L	1	4.0	20	12/02/10
Strontium	7440-24-6	LA-505-411		310		ug/L	1	4.0	20	12/02/10
Thallium	7440-28-0	LA-505-411	U	<49		ug/L	1	49	240	12/02/10
Tin	7440-31-5	LA-505-411	U	<49		ug/L	1	49	240	12/02/10
Arsenic	7440-38-2	LA-505-411	U	<50		ug/L	1	50	250	12/02/10
Beryllium	7440-41-7	LA-505-411	U	<4.0		ug/L	1	4.0	20	12/02/10
Boron	7440-42-8	LA-505-411	U	<41		ug/L	1	41	200	12/02/10
Bismuth	7440-69-9	LA-505-411	U	<37		ug/L	1	37	180	12/02/10
Silicon	7440-21-3	LA-505-411		18300		ug/L	1	25	120	12/02/10
Phosphorus	7723-14-0	LA-505-411	U	<72		ug/L	1	72	360	12/02/10
Selenium	7782-49-2	LA-505-411	U	<47		ug/L	1	47	240	12/02/10
ICPMS Prep										**12/09/10**
ICP-MS										
Aluminum	7429-90-5	LA-505-412	U	<5.0		ug/L	1	5.0	100	12/13/10
Silver	7440-22-4	LA-505-412	U	<0.10		ug/L	1	0.10	1.0	12/13/10
Antimony	7440-36-0	LA-505-412	U	<0.30		ug/L	1	0.30	3.0	12/13/10
Barium	7440-39-3	LA-505-412		42.4		ug/L	1	0.20	2.0	12/13/10

MDL = Minimum Detection
RQ = Result Qualifier
TP Err = Total Propagated
DF = Dilution Factor
+ - Indicates more than nine qualifier

B - Analyte < the PQL(or EQL)but >= the IDL/MDL(Inorganic)
C - Analyte was found in the Associated Blank. (Inorganic)
D - Analyte was reported at a secondary diltution factor.
E - Analyte is an estimate, see comment section.
N - MS and/or MSD recovery outside control limits.

U - Analyzed for but not detected above limiting criteria.
X,Y or Z - See comment detail and/or narrative.
PQL is equivalent to Estimated Quantitation Limit (EQL)

WSCF Analytical Results Report

Attention Michael Neely
Department Inorganic

Group # WSCF103130

Sample # 103130004
SAF# X11-005
Sample ID B27X18

Matrix WATER
Sampled 11/29/10
Received 11/29/10

Test Performed	CAS #	Method	RQ	Result	TP Err	Units	DF	MDL	PQL	Analyzed
Beryllium	7440-41-7	LA-505-412	U	<0.050		ug/L	1	0.050	0.50	12/13/10
Cadmium	7440-43-9	LA-505-412	U	<0.10		ug/L	1	0.10	1.0	12/13/10
Chromium	7440-47-3	LA-505-412	B	3.64		ug/L	1	0.50	5.0	12/13/10
Cobalt	7440-48-4	LA-505-412	B	0.0760		ug/L	1	0.050	0.25	12/13/10
Copper	7440-50-8	LA-505-412	U	<0.10		ug/L	1	0.10	1.0	12/13/10
Lead	7439-92-1	LA-505-412	U	<0.10		ug/L	1	0.10	1.0	12/13/10
Mercury	7439-97-6	LA-505-412	U	<0.050		ug/L	1	0.050	0.20	12/13/10
Molybdenum	7439-98-7	LA-505-412		8.15		ug/L	1	0.050	0.50	12/13/10
Thallium	7440-28-0	LA-505-412	U	<0.050		ug/L	1	0.050	0.50	12/13/10
Tin	7440-31-5	LA-505-412	U	<0.050		ug/L	1	0.050	0.50	12/13/10
Arsenic	7440-38-2	LA-505-412		4.99		ug/L	1	0.40	4.0	12/13/10
Selenium	7782-49-2	LA-505-412	B	2.29		ug/L	1	0.30	3.0	12/13/10

MDL = Minimum Detection
RQ = Result Qualifier
TP Err = Total Propagated
DF = Dilution Factor
+ - Indicates more than nine qualifier

B - Analyte < the PQL(or EQL)but >= the IDL/MDL(Inorganic)
C - Analyte was found in the Associated Blank. (Inorganic)
D - Analyte was reported at a secondary diltution factor.
E - Analyte is an estimate, see comment section.
N - MS and/or MSD recovery outside control limits.

U - Analyzed for but not detected above limiting criteria.
X,Y or Z - See comment detail and/or narrative.
PQL is equivalent to Estimated Quantitation Limit (EQL)

WSCF Analytical Results Report

Attention Michael Neely
Department Inorganic

Group # WSCF103130

Sample # 103130005
SAF# X11-005
Sample ID B27X24

Matrix WATER
Sampled 11/29/10
Received 11/29/10

Test Performed	CAS #	Method	RQ	Result	TP Err	Units	DF	MDL	PQL	Analyzed
ICP Prep										**11/30/10**
ICP-AES										
Aluminum	7429-90-5	LA-505-411	U	<19		ug/L	1	19	95	12/02/10
Iron	7439-89-6	LA-505-411	B	78.0		ug/L	1	38	190	12/02/10
Magnesium	7439-95-4	LA-505-411		9930		ug/L	1	14	70	12/02/10
Manganese	7439-96-5	LA-505-411	B	24.0		ug/L	1	6.0	30	12/02/10
Nickel	7440-02-0	LA-505-411	U	<4.0		ug/L	1	4.0	20	12/02/10
Potassium	7440-09-7	LA-505-411	X	3230		ug/L	1	73	360	12/02/10
Silver	7440-22-4	LA-505-411	U	<7.0		ug/L	1	7.0	35	12/02/10
Sodium	7440-23-5	LA-505-411		19400		ug/L	1	11	55	12/02/10
Antimony	7440-36-0	LA-505-411	U	<47		ug/L	1	47	240	12/02/10
Barium	7440-39-3	LA-505-411		30.0		ug/L	1	4.0	20	12/02/10
Cadmium	7440-43-9	LA-505-411	U	<4.0		ug/L	1	4.0	20	12/02/10
Chromium	7440-47-3	LA-505-411	U	<14		ug/L	1	14	70	12/02/10
Cobalt	7440-48-4	LA-505-411	U	<4.0		ug/L	1	4.0	20	12/02/10
Copper	7440-50-8	LA-505-411	U	<5.0		ug/L	1	5.0	25	12/02/10
Vanadium	7440-62-2	LA-505-411	U	<17		ug/L	1	17	85	12/02/10
Zinc	7440-66-6	LA-505-411		294		ug/L	1	4.0	20	12/02/10
Calcium	7440-70-2	LA-505-411		37500		ug/L	1	28	140	12/02/10

MDL = Minimum Detection
RQ = Result Qualifier
TP Err = Total Propagated
DF = Dilution Factor
+ - Indicates more than nine qualifier

B - Analyte < the PQL(or EQL)but >= the IDL/MDL(Inorganic)
C - Analyte was found in the Associated Blank. (Inorganic)
D - Analyte was reported at a secondary diltution factor.
E - Analyte is an estimate, see comment section.
N - MS and/or MSD recovery outside control limits.

U - Analyzed for but not detected above limiting criteria.
X,Y or Z - See comment detail and/or narrative.
PQL is equivalent to Estimated Quantitation Limit (EQL)

WSCF Analytical Results Report

Attention Michael Neely
Department Inorganic

Group # WSCF103130

Sample # 103130005
SAF# X11-005
Sample ID B27X24

Matrix WATER
Sampled 11/29/10
Received 11/29/10

Test Performed	CAS #	Method	RQ	Result	TP Err	Units	DF	MDL	PQL	Analyzed
Lead	7439-92-1	LA-505-411	U	<42		ug/L	1	42	210	12/02/10
Lithium	7439-93-2	LA-505-411	U	<4.0		ug/L	1	4.0	20	12/02/10
Molybdenum	7439-98-7	LA-505-411	B	4.00		ug/L	1	4.0	20	12/02/10
Strontium	7440-24-6	LA-505-411		260		ug/L	1	4.0	20	12/02/10
Thallium	7440-28-0	LA-505-411	U	<49		ug/L	1	49	240	12/02/10
Tin	7440-31-5	LA-505-411	U	<49		ug/L	1	49	240	12/02/10
Arsenic	7440-38-2	LA-505-411	U	<50		ug/L	1	50	250	12/02/10
Beryllium	7440-41-7	LA-505-411	U	<4.0		ug/L	1	4.0	20	12/02/10
Boron	7440-42-8	LA-505-411	U	<41		ug/L	1	41	200	12/02/10
Bismuth	7440-69-9	LA-505-411	U	<37		ug/L	1	37	180	12/02/10
Silicon	7440-21-3	LA-505-411		15500		ug/L	1	25	120	12/02/10
Phosphorus	7723-14-0	LA-505-411	U	<72		ug/L	1	72	360	12/02/10
Selenium	7782-49-2	LA-505-411	U	<47		ug/L	1	47	240	12/02/10
ICPMS Prep										**12/09/10**
ICP-MS										
Aluminum	7429-90-5	LA-505-412	UD	<10		ug/L	2	10	200	12/13/10
Silver	7440-22-4	LA-505-412	UD	<0.20		ug/L	2	0.20	2.0	12/13/10
Antimony	7440-36-0	LA-505-412	UD	<0.60		ug/L	2	0.60	6.0	12/13/10
Barium	7440-39-3	LA-505-412	D	28.8		ug/L	2	0.40	4.0	12/13/10

MDL = Minimum Detection
RQ = Result Qualifier
TP Err = Total Propagated
DF = Dilution Factor
+ - Indicates more than nine qualifier

B - Analyte < the PQL(or EQL)but >= the IDL/MDL(Inorganic)
C - Analyte was found in the Associated Blank. (Inorganic)
D - Analyte was reported at a secondary diltution factor.
E - Analyte is an estimate, see comment section.
N - MS and/or MSD recovery outside control limits.

U - Analyzed for but not detected above limiting criteria.
X,Y or Z - See comment detail and/or narrative.
PQL is equivalent to Estimated Quantitation Limit (EQL)

WSCF Analytical Results Report

Attention Michael Neely
Department Inorganic

Group # WSCF103130

Sample # 103130005
SAF# X11-005
Sample ID B27X24

Matrix WATER
Sampled 11/29/10
Received 11/29/10

Test Performed	CAS #	Method	RQ	Result	TP Err	Units	DF	MDL	PQL	Analyzed
Beryllium	7440-41-7	LA-505-412	UD	<0.10		ug/L	2	0.10	1.0	12/13/10
Cadmium	7440-43-9	LA-505-412	UD	<0.20		ug/L	2	0.20	2.0	12/13/10
Chromium	7440-47-3	LA-505-412	BD	2.54		ug/L	2	1.0	10	12/13/10
Cobalt	7440-48-4	LA-505-412	BD	0.133		ug/L	2	0.10	0.50	12/13/10
Copper	7440-50-8	LA-505-412	UD	<0.20		ug/L	2	0.20	2.0	12/13/10
Lead	7439-92-1	LA-505-412	UD	<0.20		ug/L	2	0.20	2.0	12/13/10
Mercury	7439-97-6	LA-505-412	UD	<0.10		ug/L	2	0.10	0.40	12/13/10
Molybdenum	7439-98-7	LA-505-412	D	9.98		ug/L	2	0.10	1.0	12/13/10
Thallium	7440-28-0	LA-505-412	UD	<0.10		ug/L	2	0.10	1.0	12/13/10
Tin	7440-31-5	LA-505-412	UD	<0.10		ug/L	2	0.10	1.0	12/13/10
Arsenic	7440-38-2	LA-505-412	UD	<0.80		ug/L	2	0.80	8.0	12/13/10
Selenium	7782-49-2	LA-505-412	BD	2.12		ug/L	2	0.60	6.0	12/13/10

MDL = Minimum Detection
RQ = Result Qualifier
TP Err = Total Propagated
DF = Dilution Factor
+ - Indicates more than nine qualifier

B - Analyte < the PQL(or EQL)but >= the IDL/MDL(Inorganic)
C - Analyte was found in the Associated Blank. (Inorganic)
D - Analyte was reported at a secondary diltution factor.
E - Analyte is an estimate, see comment section.
N - MS and/or MSD recovery outside control limits.

U - Analyzed for but not detected above limiting criteria.
X,Y or Z - See comment detail and/or narrative.
PQL is equivalent to Estimated Quantitation Limit (EQL)

WSCF Analytical Results Report

Attention Michael Neely
Department Inorganic

Group # WSCF103130

Sample # 103130006
SAF# X11-005
Sample ID B27X30

Matrix WATER
Sampled 11/29/10
Received 11/29/10

Test Performed	CAS #	Method	RQ	Result	TP Err	Units	DF	MDL	PQL	Analyzed
ICP Prep										**11/30/10**
ICP-AES										
Aluminum	7429-90-5	LA-505-411	B	24.0		ug/L	1	19	95	12/02/10
Iron	7439-89-6	LA-505-411	U	<38		ug/L	1	38	190	12/02/10
Magnesium	7439-95-4	LA-505-411		12900		ug/L	1	14	70	12/02/10
Manganese	7439-96-5	LA-505-411	U	<6.0		ug/L	1	6.0	30	12/02/10
Nickel	7440-02-0	LA-505-411	U	<4.0		ug/L	1	4.0	20	12/02/10
Potassium	7440-09-7	LA-505-411	X	3640		ug/L	1	73	360	12/02/10
Silver	7440-22-4	LA-505-411	U	<7.0		ug/L	1	7.0	35	12/02/10
Sodium	7440-23-5	LA-505-411		10400		ug/L	1	11	55	12/02/10
Antimony	7440-36-0	LA-505-411	U	<47		ug/L	1	47	240	12/02/10
Barium	7440-39-3	LA-505-411		52.0		ug/L	1	4.0	20	12/02/10
Cadmium	7440-43-9	LA-505-411	U	<4.0		ug/L	1	4.0	20	12/02/10
Chromium	7440-47-3	LA-505-411	U	<14		ug/L	1	14	70	12/02/10
Cobalt	7440-48-4	LA-505-411	U	<4.0		ug/L	1	4.0	20	12/02/10
Copper	7440-50-8	LA-505-411	U	<5.0		ug/L	1	5.0	25	12/02/10
Vanadium	7440-62-2	LA-505-411	B	23.0		ug/L	1	17	85	12/02/10
Zinc	7440-66-6	LA-505-411	U	<4.0		ug/L	1	4.0	20	12/02/10
Calcium	7440-70-2	LA-505-411		27900		ug/L	1	28	140	12/02/10

MDL = Minimum Detection
RQ = Result Qualifier
TP Err = Total Propagated
DF = Dilution Factor
+ - Indicates more than nine qualifier

B - Analyte < the PQL(or EQL)but >= the IDL/MDL(Inorganic)
C - Analyte was found in the Associated Blank. (Inorganic)
D - Analyte was reported at a secondary diltution factor.
E - Analyte is an estimate, see comment section.
N - MS and/or MSD recovery outside control limits.

U - Analyzed for but not detected above limiting criteria.
X,Y or Z - See comment detail and/or narrative.
PQL is equivalent to Estimated Quantitation Limit (EQL)

WSCF Analytical Results Report

Attention Michael Neely
Department Inorganic

Group # WSCF103130

Sample # 103130006
SAF# X11-005
Sample ID B27X30

Matrix WATER
Sampled 11/29/10
Received 11/29/10

Test Performed	CAS #	Method	RQ	Result	TP Err	Units	DF	MDL	PQL	Analyzed
Lead	7439-92-1	LA-505-411	U	<42		ug/L	1	42	210	12/02/10
Lithium	7439-93-2	LA-505-411	U	<4.0		ug/L	1	4.0	20	12/02/10
Molybdenum	7439-98-7	LA-505-411	U	<4.0		ug/L	1	4.0	20	12/02/10
Strontium	7440-24-6	LA-505-411		236		ug/L	1	4.0	20	12/02/10
Thallium	7440-28-0	LA-505-411	U	<49		ug/L	1	49	240	12/02/10
Tin	7440-31-5	LA-505-411	U	<49		ug/L	1	49	240	12/02/10
Arsenic	7440-38-2	LA-505-411	U	<50		ug/L	1	50	250	12/02/10
Beryllium	7440-41-7	LA-505-411	U	<4.0		ug/L	1	4.0	20	12/02/10
Boron	7440-42-8	LA-505-411	U	<41		ug/L	1	41	200	12/02/10
Bismuth	7440-69-9	LA-505-411	U	<37		ug/L	1	37	180	12/02/10
Silicon	7440-21-3	LA-505-411		26900		ug/L	1	25	120	12/02/10
Phosphorus	7723-14-0	LA-505-411	U	<72		ug/L	1	72	360	12/02/10
Selenium	7782-49-2	LA-505-411	U	<47		ug/L	1	47	240	12/02/10
ICPMS Prep										**12/09/10**
ICP-MS										
Aluminum	7429-90-5	LA-505-412	UD	<10		ug/L	2	10	200	12/13/10
Silver	7440-22-4	LA-505-412	UD	<0.20		ug/L	2	0.20	2.0	12/13/10
Antimony	7440-36-0	LA-505-412	UD	<0.60		ug/L	2	0.60	6.0	12/13/10
Barium	7440-39-3	LA-505-412	D	52.6		ug/L	2	0.40	4.0	12/13/10

MDL = Minimum Detection
RQ = Result Qualifier
TP Err = Total Propagated
DF = Dilution Factor
+ - Indicates more than nine qualifier

B - Analyte < the PQL(or EQL)but >= the IDL/MDL(Inorganic)
C - Analyte was found in the Associated Blank. (Inorganic)
D - Analyte was reported at a secondary diltution factor.
E - Analyte is an estimate, see comment section.
N - MS and/or MSD recovery outside control limits.

U - Analyzed for but not detected above limiting criteria.
X,Y or Z - See comment detail and/or narrative.
PQL is equivalent to Estimated Quantitation Limit (EQL)

WSCF Analytical Results Report

Attention Michael Neely
Department Inorganic

Group # WSCF103130

Sample # 103130006
SAF# X11-005
Sample ID B27X30

Matrix WATER
Sampled 11/29/10
Received 11/29/10

Test Performed	CAS #	Method	RQ	Result	TP Err	Units	DF	MDL	PQL	Analyzed
Beryllium	7440-41-7	LA-505-412	UD	<0.10		ug/L	2	0.10	1.0	12/13/10
Cadmium	7440-43-9	LA-505-412	UD	<0.20		ug/L	2	0.20	2.0	12/13/10
Chromium	7440-47-3	LA-505-412	BD	1.53		ug/L	2	1.0	10	12/13/10
Cobalt	7440-48-4	LA-505-412	UD	<0.10		ug/L	2	0.10	0.50	12/13/10
Copper	7440-50-8	LA-505-412	UD	<0.20		ug/L	2	0.20	2.0	12/13/10
Lead	7439-92-1	LA-505-412	UD	<0.20		ug/L	2	0.20	2.0	12/13/10
Mercury	7439-97-6	LA-505-412	UD	<0.10		ug/L	2	0.10	0.40	12/13/10
Molybdenum	7439-98-7	LA-505-412	D	5.70		ug/L	2	0.10	1.0	12/13/10
Thallium	7440-28-0	LA-505-412	UD	<0.10		ug/L	2	0.10	1.0	12/13/10
Tin	7440-31-5	LA-505-412	UD	<0.10		ug/L	2	0.10	1.0	12/13/10
Arsenic	7440-38-2	LA-505-412	BD	4.89		ug/L	2	0.80	8.0	12/13/10
Selenium	7782-49-2	LA-505-412	BD	2.24		ug/L	2	0.60	6.0	12/13/10

MDL = Minimum Detection
RQ = Result Qualifier
TP Err = Total Propagated
DF = Dilution Factor
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B - Analyte < the PQL(or EQL)but >= the IDL/MDL(Inorganic)
C - Analyte was found in the Associated Blank. (Inorganic)
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E - Analyte is an estimate, see comment section.
N - MS and/or MSD recovery outside control limits.

U - Analyzed for but not detected above limiting criteria.
X,Y or Z - See comment detail and/or narrative.
PQL is equivalent to Estimated Quantitation Limit (EQL)

WSCF Analytical Results Report

Attention Michael Neely
Department Inorganic

Group # WSCF103130

Sample # 103130007
SAF# X11-005
Sample ID B27X19

Matrix WATER
Sampled 11/29/10
Received 11/29/10

Test Performed	CAS #	Method	RQ	Result	TP Err	Units	DF	MDL	PQL	Analyzed
ICP Prep										**11/30/10**
ICP-AES										
Aluminum	7429-90-5	LA-505-411	U	<19		ug/L	1	19	95	12/02/10
Iron	7439-89-6	LA-505-411	U	<38		ug/L	1	38	190	12/02/10
Magnesium	7439-95-4	LA-505-411		13900		ug/L	1	14	70	12/02/10
Manganese	7439-96-5	LA-505-411	U	<6.0		ug/L	1	6.0	30	12/02/10
Nickel	7440-02-0	LA-505-411	U	<4.0		ug/L	1	4.0	20	12/02/10
Potassium	7440-09-7	LA-505-411	X	4300		ug/L	1	73	360	12/02/10
Silver	7440-22-4	LA-505-411	U	<7.0		ug/L	1	7.0	35	12/02/10
Sodium	7440-23-5	LA-505-411		19100		ug/L	1	11	55	12/02/10
Antimony	7440-36-0	LA-505-411	U	<47		ug/L	1	47	240	12/02/10
Barium	7440-39-3	LA-505-411		41.0		ug/L	1	4.0	20	12/02/10
Cadmium	7440-43-9	LA-505-411	U	<4.0		ug/L	1	4.0	20	12/02/10
Chromium	7440-47-3	LA-505-411	U	<14		ug/L	1	14	70	12/02/10
Cobalt	7440-48-4	LA-505-411	U	<4.0		ug/L	1	4.0	20	12/02/10
Copper	7440-50-8	LA-505-411	U	<5.0		ug/L	1	5.0	25	12/02/10
Vanadium	7440-62-2	LA-505-411	B	17.0		ug/L	1	17	85	12/02/10
Zinc	7440-66-6	LA-505-411	U	<4.0		ug/L	1	4.0	20	12/02/10
Calcium	7440-70-2	LA-505-411		41300		ug/L	1	28	140	12/02/10

MDL = Minimum Detection
RQ = Result Qualifier
TP Err = Total Propagated
DF = Dilution Factor
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C - Analyte was found in the Associated Blank. (Inorganic)
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E - Analyte is an estimate, see comment section.
N - MS and/or MSD recovery outside control limits.

U - Analyzed for but not detected above limiting criteria.
X,Y or Z - See comment detail and/or narrative.
PQL is equivalent to Estimated Quantitation Limit (EQL)

WSCF Analytical Results Report

Attention Michael Neely
Department Inorganic

Group # WSCF103130

Sample # 103130007
SAF# X11-005
Sample ID B27X19

Matrix WATER
Sampled 11/29/10
Received 11/29/10

Test Performed	CAS #	Method	RQ	Result	TP Err	Units	DF	MDL	PQL	Analyzed
Lead	7439-92-1	LA-505-411	U	<42		ug/L	1	42	210	12/02/10
Lithium	7439-93-2	LA-505-411	U	<4.0		ug/L	1	4.0	20	12/02/10
Molybdenum	7439-98-7	LA-505-411	U	<4.0		ug/L	1	4.0	20	12/02/10
Strontium	7440-24-6	LA-505-411		308		ug/L	1	4.0	20	12/02/10
Thallium	7440-28-0	LA-505-411	U	<49		ug/L	1	49	240	12/02/10
Tin	7440-31-5	LA-505-411	U	<49		ug/L	1	49	240	12/02/10
Arsenic	7440-38-2	LA-505-411	U	<50		ug/L	1	50	250	12/02/10
Beryllium	7440-41-7	LA-505-411	U	<4.0		ug/L	1	4.0	20	12/02/10
Boron	7440-42-8	LA-505-411	U	<41		ug/L	1	41	200	12/02/10
Bismuth	7440-69-9	LA-505-411	U	<37		ug/L	1	37	180	12/02/10
Silicon	7440-21-3	LA-505-411		18300		ug/L	1	25	120	12/02/10
Phosphorus	7723-14-0	LA-505-411	U	<72		ug/L	1	72	360	12/02/10
Selenium	7782-49-2	LA-505-411	U	<47		ug/L	1	47	240	12/02/10
ICPMS Prep										**12/09/10**
ICP-MS										
Aluminum	7429-90-5	LA-505-412	UD	<10		ug/L	2	10	200	12/13/10
Silver	7440-22-4	LA-505-412	UD	<0.20		ug/L	2	0.20	2.0	12/13/10
Antimony	7440-36-0	LA-505-412	UD	<0.60		ug/L	2	0.60	6.0	12/13/10
Barium	7440-39-3	LA-505-412	D	42.7		ug/L	2	0.40	4.0	12/13/10

MDL = Minimum Detection
RQ = Result Qualifier
TP Err = Total Propagated
DF = Dilution Factor
+ - Indicates more than nine qualifier

B - Analyte < the PQL(or EQL)but >= the IDL/MDL(Inorganic)
C - Analyte was found in the Associated Blank. (Inorganic)
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N - MS and/or MSD recovery outside control limits.

U - Analyzed for but not detected above limiting criteria.
X,Y or Z - See comment detail and/or narrative.
PQL is equivalent to Estimated Quantitation Limit (EQL)

WSCF Analytical Results Report

Attention Michael Neely
Department Inorganic

Group # WSCF103130

Sample # 103130007
SAF# X11-005
Sample ID B27X19

Matrix WATER
Sampled 11/29/10
Received 11/29/10

Test Performed	CAS #	Method	RQ	Result	TP Err	Units	DF	MDL	PQL	Analyzed
Beryllium	7440-41-7	LA-505-412	UD	<0.10		ug/L	2	0.10	1.0	12/13/10
Cadmium	7440-43-9	LA-505-412	UD	<0.20		ug/L	2	0.20	2.0	12/13/10
Chromium	7440-47-3	LA-505-412	BD	3.64		ug/L	2	1.0	10	12/13/10
Cobalt	7440-48-4	LA-505-412	UD	<0.10		ug/L	2	0.10	0.50	12/13/10
Copper	7440-50-8	LA-505-412	UD	<0.20		ug/L	2	0.20	2.0	12/13/10
Lead	7439-92-1	LA-505-412	UD	<0.20		ug/L	2	0.20	2.0	12/13/10
Mercury	7439-97-6	LA-505-412	UD	<0.10		ug/L	2	0.10	0.40	12/13/10
Molybdenum	7439-98-7	LA-505-412	D	8.14		ug/L	2	0.10	1.0	12/13/10
Thallium	7440-28-0	LA-505-412	UD	<0.10		ug/L	2	0.10	1.0	12/13/10
Tin	7440-31-5	LA-505-412	UD	<0.10		ug/L	2	0.10	1.0	12/13/10
Arsenic	7440-38-2	LA-505-412	BD	4.57		ug/L	2	0.80	8.0	12/13/10
Selenium	7782-49-2	LA-505-412	BD	2.72		ug/L	2	0.60	6.0	12/13/10

MDL = Minimum Detection
RQ = Result Qualifier
TP Err = Total Propagated
DF = Dilution Factor
+ - Indicates more than nine qualifier

B - Analyte < the PQL(or EQL)but >= the IDL/MDL(Inorganic)
C - Analyte was found in the Associated Blank. (Inorganic)
D - Analyte was reported at a secondary diltution factor.
E - Analyte is an estimate, see comment section.
N - MS and/or MSD recovery outside control limits.

U - Analyzed for but not detected above limiting criteria.
X,Y or Z - See comment detail and/or narrative.
PQL is equivalent to Estimated Quantitation Limit (EQL)

WSCF Analytical Results Report

Attention Michael Neely
Department Inorganic

Group # WSCF103130

Sample # 103130008
SAF# X11-005
Sample ID B27X25

Matrix WATER
Sampled 11/29/10
Received 11/29/10

Test Performed	CAS #	Method	RQ	Result	TP Err	Units	DF	MDL	PQL	Analyzed
ICP Prep										**11/30/10**
ICP-AES										
Aluminum	7429-90-5	LA-505-411	U	<19		ug/L	1	19	95	12/02/10
Iron	7439-89-6	LA-505-411		287		ug/L	1	38	190	12/02/10
Magnesium	7439-95-4	LA-505-411		9950		ug/L	1	14	70	12/02/10
Manganese	7439-96-5	LA-505-411	B	28.0		ug/L	1	6.0	30	12/02/10
Nickel	7440-02-0	LA-505-411	U	<4.0		ug/L	1	4.0	20	12/02/10
Potassium	7440-09-7	LA-505-411	X	3100		ug/L	1	73	360	12/02/10
Silver	7440-22-4	LA-505-411	U	<7.0		ug/L	1	7.0	35	12/02/10
Sodium	7440-23-5	LA-505-411		19100		ug/L	1	11	55	12/02/10
Antimony	7440-36-0	LA-505-411	U	<47		ug/L	1	47	240	12/02/10
Barium	7440-39-3	LA-505-411		30.0		ug/L	1	4.0	20	12/02/10
Cadmium	7440-43-9	LA-505-411	U	<4.0		ug/L	1	4.0	20	12/02/10
Chromium	7440-47-3	LA-505-411	B	20.0		ug/L	1	14	70	12/02/10
Cobalt	7440-48-4	LA-505-411	U	<4.0		ug/L	1	4.0	20	12/02/10
Copper	7440-50-8	LA-505-411	U	<5.0		ug/L	1	5.0	25	12/02/10
Vanadium	7440-62-2	LA-505-411	U	<17		ug/L	1	17	85	12/02/10
Zinc	7440-66-6	LA-505-411		345		ug/L	1	4.0	20	12/02/10
Calcium	7440-70-2	LA-505-411		37300		ug/L	1	28	140	12/02/10

MDL = Minimum Detection
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C - Analyte was found in the Associated Blank. (Inorganic)
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E - Analyte is an estimate, see comment section.
N - MS and/or MSD recovery outside control limits.

U - Analyzed for but not detected above limiting criteria.
X,Y or Z - See comment detail and/or narrative.
PQL is equivalent to Estimated Quantitation Limit (EQL)

WSCF Analytical Results Report

Attention Michael Neely
Department Inorganic

Group # WSCF103130

Sample # 103130008
SAF# X11-005
Sample ID B27X25

Matrix WATER
Sampled 11/29/10
Received 11/29/10

Test Performed	CAS #	Method	RQ	Result	TP Err	Units	DF	MDL	PQL	Analyzed
Lead	7439-92-1	LA-505-411	U	<42		ug/L	1	42	210	12/02/10
Lithium	7439-93-2	LA-505-411	U	<4.0		ug/L	1	4.0	20	12/02/10
Molybdenum	7439-98-7	LA-505-411	B	7.00		ug/L	1	4.0	20	12/02/10
Strontium	7440-24-6	LA-505-411		259		ug/L	1	4.0	20	12/02/10
Thallium	7440-28-0	LA-505-411	U	<49		ug/L	1	49	240	12/02/10
Tin	7440-31-5	LA-505-411	U	<49		ug/L	1	49	240	12/02/10
Arsenic	7440-38-2	LA-505-411	U	<50		ug/L	1	50	250	12/02/10
Beryllium	7440-41-7	LA-505-411	U	<4.0		ug/L	1	4.0	20	12/02/10
Boron	7440-42-8	LA-505-411	U	<41		ug/L	1	41	200	12/02/10
Bismuth	7440-69-9	LA-505-411	U	<37		ug/L	1	37	180	12/02/10
Silicon	7440-21-3	LA-505-411		15600		ug/L	1	25	120	12/02/10
Phosphorus	7723-14-0	LA-505-411	U	<72		ug/L	1	72	360	12/02/10
Selenium	7782-49-2	LA-505-411	U	<47		ug/L	1	47	240	12/02/10
ICPMS Prep										**12/09/10**
ICP-MS										
Aluminum	7429-90-5	LA-505-412	UD	<10		ug/L	2	10	200	12/13/10
Silver	7440-22-4	LA-505-412	UD	<0.20		ug/L	2	0.20	2.0	12/13/10
Antimony	7440-36-0	LA-505-412	UD	<0.60		ug/L	2	0.60	6.0	12/13/10
Barium	7440-39-3	LA-505-412	D	30.2		ug/L	2	0.40	4.0	12/13/10

MDL = Minimum Detection
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TP Err = Total Propagated
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C - Analyte was found in the Associated Blank. (Inorganic)
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U - Analyzed for but not detected above limiting criteria.
X,Y or Z - See comment detail and/or narrative.
PQL is equivalent to Estimated Quantitation Limit (EQL)

WSCF Analytical Results Report

Attention Michael Neely
Department Inorganic

Group # WSCF103130

Sample # 103130008
SAF# X11-005
Sample ID B27X25

Matrix WATER
Sampled 11/29/10
Received 11/29/10

Test Performed	CAS #	Method	RQ	Result	TP Err	Units	DF	MDL	PQL	Analyzed
Beryllium	7440-41-7	LA-505-412	UD	<0.10		ug/L	2	0.10	1.0	12/13/10
Cadmium	7440-43-9	LA-505-412	UD	<0.20		ug/L	2	0.20	2.0	12/13/10
Chromium	7440-47-3	LA-505-412	BD	8.61		ug/L	2	1.0	10	12/13/10
Cobalt	7440-48-4	LA-505-412	BD	0.149		ug/L	2	0.10	0.50	12/13/10
Copper	7440-50-8	LA-505-412	BD	0.301		ug/L	2	0.20	2.0	12/13/10
Lead	7439-92-1	LA-505-412	D	2.89		ug/L	2	0.20	2.0	12/13/10
Mercury	7439-97-6	LA-505-412	UD	<0.10		ug/L	2	0.10	0.40	12/13/10
Molybdenum	7439-98-7	LA-505-412	D	9.87		ug/L	2	0.10	1.0	12/13/10
Thallium	7440-28-0	LA-505-412	UD	<0.10		ug/L	2	0.10	1.0	12/13/10
Tin	7440-31-5	LA-505-412	UD	<0.10		ug/L	2	0.10	1.0	12/13/10
Arsenic	7440-38-2	LA-505-412	UD	<0.80		ug/L	2	0.80	8.0	12/13/10
Selenium	7782-49-2	LA-505-412	BD	2.13		ug/L	2	0.60	6.0	12/13/10

MDL = Minimum Detection
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TP Err = Total Propagated
DF = Dilution Factor
+ - Indicates more than nine qualifier

B - Analyte < the PQL(or EQL)but >= the IDL/MDL(Inorganic)
C - Analyte was found in the Associated Blank. (Inorganic)
D - Analyte was reported at a secondary diltution factor.
E - Analyte is an estimate, see comment section.
N - MS and/or MSD recovery outside control limits.

U - Analyzed for but not detected above limiting criteria.
X,Y or Z - See comment detail and/or narrative.
PQL is equivalent to Estimated Quantitation Limit (EQL)

WSCF Analytical Results Report

Attention Michael Neely
Department Inorganic

Group # WSCF103130

Sample # 103130009
SAF# X11-005
Sample ID B27X31

Matrix WATER
Sampled 11/29/10
Received 11/29/10

Test Performed	CAS #	Method	RQ	Result	TP Err	Units	DF	MDL	PQL	Analyzed
ICP Prep										**11/30/10**
ICP-AES										
Aluminum	7429-90-5	LA-505-411		281		ug/L	1	19	95	12/02/10
Iron	7439-89-6	LA-505-411		268		ug/L	1	38	190	12/02/10
Magnesium	7439-95-4	LA-505-411		12200		ug/L	1	14	70	12/02/10
Manganese	7439-96-5	LA-505-411	B	24.0		ug/L	1	6.0	30	12/02/10
Nickel	7440-02-0	LA-505-411	U	<4.0		ug/L	1	4.0	20	12/02/10
Potassium	7440-09-7	LA-505-411	X	3360		ug/L	1	73	360	12/02/10
Silver	7440-22-4	LA-505-411	U	<7.0		ug/L	1	7.0	35	12/02/10
Sodium	7440-23-5	LA-505-411		9330		ug/L	1	11	55	12/02/10
Antimony	7440-36-0	LA-505-411	U	<47		ug/L	1	47	240	12/02/10
Barium	7440-39-3	LA-505-411		61.0		ug/L	1	4.0	20	12/02/10
Cadmium	7440-43-9	LA-505-411	U	<4.0		ug/L	1	4.0	20	12/02/10
Chromium	7440-47-3	LA-505-411	U	<14		ug/L	1	14	70	12/02/10
Cobalt	7440-48-4	LA-505-411	U	<4.0		ug/L	1	4.0	20	12/02/10
Copper	7440-50-8	LA-505-411	U	<5.0		ug/L	1	5.0	25	12/02/10
Vanadium	7440-62-2	LA-505-411	B	30.0		ug/L	1	17	85	12/02/10
Zinc	7440-66-6	LA-505-411	U	<4.0		ug/L	1	4.0	20	12/02/10
Calcium	7440-70-2	LA-505-411		26900		ug/L	1	28	140	12/02/10

MDL = Minimum Detection
RQ = Result Qualifier
TP Err = Total Propagated
DF = Dilution Factor
+ - Indicates more than nine qualifier

B - Analyte < the PQL(or EQL)but >= the IDL/MDL(Inorganic)
C - Analyte was found in the Associated Blank. (Inorganic)
D - Analyte was reported at a secondary diltution factor.
E - Analyte is an estimate, see comment section.
N - MS and/or MSD recovery outside control limits.

U - Analyzed for but not detected above limiting criteria.
X,Y or Z - See comment detail and/or narrative.
PQL is equivalent to Estimated Quantitation Limit (EQL)

WSCF Analytical Results Report

Attention Michael Neely
Department Inorganic

Group # WSCF103130

Sample # 103130009
SAF# X11-005
Sample ID B27X31

Matrix WATER
Sampled 11/29/10
Received 11/29/10

Test Performed	CAS #	Method	RQ	Result	TP Err	Units	DF	MDL	PQL	Analyzed
Lead	7439-92-1	LA-505-411	U	<42		ug/L	1	42	210	12/02/10
Lithium	7439-93-2	LA-505-411	U	<4.0		ug/L	1	4.0	20	12/02/10
Molybdenum	7439-98-7	LA-505-411	U	<4.0		ug/L	1	4.0	20	12/02/10
Strontium	7440-24-6	LA-505-411		226		ug/L	1	4.0	20	12/02/10
Thallium	7440-28-0	LA-505-411	U	<49		ug/L	1	49	240	12/02/10
Tin	7440-31-5	LA-505-411	U	<49		ug/L	1	49	240	12/02/10
Arsenic	7440-38-2	LA-505-411	U	<50		ug/L	1	50	250	12/02/10
Beryllium	7440-41-7	LA-505-411	U	<4.0		ug/L	1	4.0	20	12/02/10
Boron	7440-42-8	LA-505-411	U	<41		ug/L	1	41	200	12/02/10
Bismuth	7440-69-9	LA-505-411	U	<37		ug/L	1	37	180	12/02/10
Silicon	7440-21-3	LA-505-411		25500		ug/L	1	25	120	12/02/10
Phosphorus	7723-14-0	LA-505-411		448		ug/L	1	72	360	12/02/10
Selenium	7782-49-2	LA-505-411	U	<47		ug/L	1	47	240	12/02/10
ICPMS Prep										**12/09/10**
ICP-MS										
Aluminum	7429-90-5	LA-505-412	D	506		ug/L	2	10	200	12/13/10
Silver	7440-22-4	LA-505-412	UD	<0.20		ug/L	2	0.20	2.0	12/13/10
Antimony	7440-36-0	LA-505-412	UD	<0.60		ug/L	2	0.60	6.0	12/13/10
Barium	7440-39-3	LA-505-412	D	70.0		ug/L	2	0.40	4.0	12/13/10

MDL = Minimum Detection
RQ = Result Qualifier
TP Err = Total Propagated
DF = Dilution Factor
+ - Indicates more than nine qualifier

B - Analyte < the PQL(or EQL)but >= the IDL/MDL(Inorganic)
C - Analyte was found in the Associated Blank. (Inorganic)
D - Analyte was reported at a secondary diltution factor.
E - Analyte is an estimate, see comment section.
N - MS and/or MSD recovery outside control limits.

U - Analyzed for but not detected above limiting criteria.
X,Y or Z - See comment detail and/or narrative.
PQL is equivalent to Estimated Quantitation Limit (EQL)

WSCF Analytical Results Report

Attention Michael Neely
Department Inorganic

Group # WSCF103130

Sample # 103130009
SAF# X11-005
Sample ID B27X31

Matrix WATER
Sampled 11/29/10
Received 11/29/10

Test Performed	CAS #	Method	RQ	Result	TP Err	Units	DF	MDL	PQL	Analyzed
Beryllium	7440-41-7	LA-505-412	BD	0.146		ug/L	2	0.10	1.0	12/13/10
Cadmium	7440-43-9	LA-505-412	UD	<0.20		ug/L	2	0.20	2.0	12/13/10
Chromium	7440-47-3	LA-505-412	BD	1.69		ug/L	2	1.0	10	12/13/10
Cobalt	7440-48-4	LA-505-412	D	0.508		ug/L	2	0.10	0.50	12/13/10
Copper	7440-50-8	LA-505-412	BD	0.204		ug/L	2	0.20	2.0	12/13/10
Lead	7439-92-1	LA-505-412	BD	0.657		ug/L	2	0.20	2.0	12/13/10
Mercury	7439-97-6	LA-505-412	UD	<0.10		ug/L	2	0.10	0.40	12/13/10
Molybdenum	7439-98-7	LA-505-412	D	3.24		ug/L	2	0.10	1.0	12/13/10
Thallium	7440-28-0	LA-505-412	UD	<0.10		ug/L	2	0.10	1.0	12/13/10
Tin	7440-31-5	LA-505-412	UD	<0.10		ug/L	2	0.10	1.0	12/13/10
Arsenic	7440-38-2	LA-505-412	BD	4.35		ug/L	2	0.80	8.0	12/13/10
Selenium	7782-49-2	LA-505-412	BD	1.98		ug/L	2	0.60	6.0	12/13/10

MDL = Minimum Detection
RQ = Result Qualifier
TP Err = Total Propagated
DF = Dilution Factor
+ - Indicates more than nine qualifier

B - Analyte < the PQL(or EQL)but >= the IDL/MDL(Inorganic)
C - Analyte was found in the Associated Blank. (Inorganic)
D - Analyte was reported at a secondary diltution factor.
E - Analyte is an estimate, see comment section.
N - MS and/or MSD recovery outside control limits.

U - Analyzed for but not detected above limiting criteria.
X,Y or Z - See comment detail and/or narrative.
PQL is equivalent to Estimated Quantitation Limit (EQL)

WSCF Analytical Results Report

Attention Michael Neely
Department Organic, Semivolatiles

Group # WSCF103130

Sample # 103130007
SAF# X11-005
Sample ID B27X19

Matrix WATER
Sampled 11/29/10
Received 11/29/10

Test Performed	CAS #	Method	RQ	Result	TP Err	Units	DF	MDL	PQL	Analyzed
Prep for Water										**12/02/10**
TPHDWA										
Diesel	TPHDIESEL	LA-523-493	U	<70		ug/L	1	70	100	12/10/10

MDL = Minimum Detection
RQ = Result Qualifier
TP Err = Total Propagated
DF = Dilution Factor
+ - Indicates more than nine qualifier

B - Analyte was detected in both the BLANK and SAMPLE
D - Analyte was reported at a secondary diltution factor.
E - The calibration exceeds the calibration range (GC/MS).
J - Analyte <lowest calibration but >= MDL.
N - Presumed evidence based on MS library search(GC/MS only)

T - MS/MSD recovery outside control limits(GC/MS only).
U - Analyzed for but not detected above limiting criteria.
X,Y or Z - See comment detail and/or narrative.
PQL is equivalent to Estimated Quantitation Limit (EQL)

WSCF Analytical Results Report

Attention Michael Neely
Department Organic, Semivolatiles

Group # WSCF103130

Sample # 103130008
SAF# X11-005
Sample ID B27X25

Matrix WATER
Sampled 11/29/10
Received 11/29/10

Test Performed	CAS #	Method	RQ	Result	TP Err	Units	DF	MDL	PQL	Analyzed
Prep for Water										**12/02/10**
TPHDWA										
Diesel	TPHDIESEL	LA-523-493	U	<70		ug/L	1	70	100	12/10/10

MDL = Minimum Detection
RQ = Result Qualifier
TP Err = Total Propagated
DF = Dilution Factor
+ - Indicates more than nine qualifier

B - Analyte was detected in both the BLANK and SAMPLE
D - Analyte was reported at a secondary diltution factor.
E - The calibration exceeds the calibration range (GC/MS).
J - Analyte < lowest calibration but >= MDL.
N - Presumed evidence based on MS library search(GC/MS only)

T - MS/MSD recovery outside control limits(GC/MS only).
U - Analyzed for but not detected above limiting criteria.
X,Y or Z - See comment detail and/or narrative.
PQL is equivalent to Estimated Quantitation Limit (EQL)

WSCF Analytical Results Report

Attention Michael Neely
Department Organic, Semivolatiles

Group # WSCF103130

Sample # 103130009
SAF# X11-005
Sample ID B27X31

Matrix WATER
Sampled 11/29/10
Received 11/29/10

Test Performed	CAS #	Method	RQ	Result	TP Err	Units	DF	MDL	PQL	Analyzed
Prep for Water										**12/02/10**
TPHDWA										
Diesel	TPHDIESEL	LA-523-493	U	<70		ug/L	1	70	100	12/10/10

MDL = Minimum Detection
RQ = Result Qualifier
TP Err = Total Propagated
DF = Dilution Factor
+ - Indicates more than nine qualifier

B - Analyte was detected in both the BLANK and SAMPLE
D - Analyte was reported at a secondary diltution factor.
E - The calibration exceeds the calibration range (GC/MS).
J - Analyte < lowest calibration but >= MDL.
N - Presumed evidence based on MS library search(GC/MS only)

T - MS/MSD recovery outside control limits(GC/MS only).
U - Analyzed for but not detected above limiting criteria.
X,Y or Z - See comment detail and/or narrative.
PQL is equivalent to Estimated Quantitation Limit (EQL)

WSCF Analytical Results Report

Attention Michael Neely
Department Radiochemistry

Group # WSCF103130

Sample # 103130007
SAF# X11-005
Sample ID B27X19

Matrix WATER
Sampled 11/29/10
Received 11/29/10

Test Performed	CAS #	Method	RQ	Result	TP Err	Units	DF	MDL	PQL	Analyzed
Alpha/Beta Prep										**12/03/10**
Gross Alpha/Beta										
Gross Alpha	12587-46-1	LA-508-415		2.0	1.1	pCi/L	1	0.88		12/14/10
Gross Beta	12587-47-2	LA-508-415		9.8	2.7	pCi/L	1	3.5		12/14/10
H3 EICHROM										**12/01/10**
TRI-CARB LSC										
Tritium	10028-17-8	LA-508-421		3.1E4	6300	pCi/L	1	210		12/02/10
SR-89/90										**12/17/10**
SR-89/90										
Strontium-89/90	SR-RAD	LA-220-406	U	-1.4	3.3	pCi/L	1	1.7		12/21/10
Tc-99										**12/01/10**
TRI-CARB LSC										
Technetium-99	14133-76-7	LA-508-421	U	-0.70	4.5	pCi/L	1	7.5		12/06/10
Th/Pu/Am/U Teva										**12/06/10**
AEA Am-U-Pu										
Americium-241	14596-10-2	LA-508-471	U	0.24	.21	pCi/L	1	0.31		12/08/10

MDL = Minimum Detection
RQ = Result Qualifier
TP Err = Total Propagated
DF = Dilution Factor
+ - Indicates more than nine qualifier

B - Analyte was detected in both the BLANK and SAMPLE
U - Analyzed for but not detected above limiting criteria.
N - Spike Recovery is Outside Control Limits.
X,Y or Z - See cornment detail and/or narrative.

WSCF Analytical Results Report

Attention Michael Neely
Department Radiochemistry

Group # WSCF103130

Sample # 103130008
SAF# X11-005
Sample ID B27X25

Matrix WATER
Sampled 11/29/10
Received 11/29/10

Test Performed	CAS #	Method	RQ	Result	TP Err	Units	DF	MDL	PQL	Analyzed
Alpha/Beta Prep										**12/03/10**
Gross Alpha/Beta										
Gross Alpha	12587-46-1	LA-508-415		3.3	1.7	pCi/L	1	2.0		12/14/10
Gross Beta	12587-47-2	LA-508-415	U	-0.062	1.2	pCi/L	1	2.2		12/14/10
H3 EICHROM										**12/01/10**
TRI-CARB LSC										
Tritium	10028-17-8	LA-508-421		850	230	pCi/L	1	210		12/02/10
SR-89/90										**12/17/10**
SR-89/90										
Strontium-89/90	SR-RAD	LA-220-406	U	-6.8	2.9	pCi/L	1	1.6		12/21/10
Tc-99										**12/01/10**
TRI-CARB LSC										
Technetium-99	14133-76-7	LA-508-421	U	-5.0	4.5	pCi/L	1	7.5		12/06/10
Th/Pu/Am/U Teva										**12/06/10**
AEA Am-U-Pu										
Americium-241	14596-10-2	LA-508-471	U	0.062	.18	pCi/L	1	0.30		12/08/10

MDL = Minimum Detection
RQ = Result Qualifier
TP Err = Total Propagated
DF = Dilution Factor
+ - Indicates more than nine qualifier

B - Analyte was detected in both the BLANK and SAMPLE
U - Analyzed for but not detected above limiting criteria.
N - Spike Recovery is Outside Control Limits.
X,Y or Z - See comment detail and/or narrative.

WSCF Analytical Results Report

Attention Michael Neely
Department Radiochemistry

Group # WSCF103130

Sample # 103130009
SAF# X11-005
Sample ID B27X31

Matrix WATER
Sampled 11/29/10
Received 11/29/10

Test Performed	CAS #	Method	RQ	Result	TP Err	Units	DF	MDL	PQL	Analyzed
Alpha/Beta Prep										**12/03/10**
Gross Alpha/Beta										
Gross Alpha	12587-46-1	LA-508-415		2.6	1.5	pCi/L	1	2.0		12/14/10
Gross Beta	12587-47-2	LA-508-415	U	-0.31	1.2	pCi/L	1	2.2		12/14/10
H3 EICHROM										**12/01/10**
TRI-CARB LSC										
Tritium	10028-17-8	LA-508-421	U	-120	140	pCi/L	1	210		12/02/10
SR-89/90										**12/17/10**
SR-89/90										
Strontium-89/90	SR-RAD	LA-220-406	U	-2.3	3.3	pCi/L	1	1.6		12/21/10
Tc-99										**12/01/10**
TRI-CARB LSC										
Technetium-99	14133-76-7	LA-508-421	U	-5.7	4.5	pCi/L	1	7.5		12/06/10
Th/Pu/Am/U Teva										**12/06/10**
AEA Am-U-Pu										
Americium-241	14596-10-2	LA-508-471	U	-0.13	.2	pCi/L	1	0.37		12/08/10

MDL = Minimum Detection
RQ = Result Qualifier
TP Err = Total Propagated
DF = Dilution Factor
+ - Indicates more than nine qualifier

B - Analyte was detected in both the BLANK and SAMPLE
U - Analyzed for but not detected above limiting criteria.
N - Spike Recovery is Outside Control Limits.
X,Y or Z - See comment detail and/or narrative.

WSCF Analytical Results Report

Attention Michael Neely
Department Wet Chemistry

Group # WSCF103130

Sample # 103130007
SAF# X11-005
Sample ID B27X19

Matrix WATER
Sampled 11/29/10
Received 11/29/10

Test Performed	CAS #	Method	RQ	Result	TP Err	Units	DF	MDL	PQL	Analyzed
Alkalinity										**12/03/10**
Alkalinity										
Total Alkalinity as CaCO3	ALKALINITY	LA-531-411		120		mg/L	1	1	10	12/03/10

MDL = Minimum Detection
RQ = Result Qualifier
TP Err = Total Propagated
DF = Dilution Factor
+ - Indicates more than nine qualifier

B - Analyte < the RDL but >= the IDL/MDL.
C - Analyte was found in the Associated Blank. (Inorganic)
D - Analyte was reported at a secondary diltution factor.
N - MS and/or MSD sample recovery outside control limits.
U - Analyzed for but not detected above limiting criteria.

N - Spike Recovery is Outside Control Limits.
X,Y or Z - See comment detail and/or narrative.
PQL is equivalent to Estimated Quantitation Limit (EQL)

WSCF Analytical Results Report

Attention Michael Neely
Department Wet Chemistry

Group # WSCF103130

Sample # 103130008
SAF# X11-005
Sample ID B27X25

Matrix WATER
Sampled 11/29/10
Received 11/29/10

Test Performed	CAS #	Method	RQ	Result	TP Err	Units	DF	MDL	PQL	Analyzed
Alkalinity										**12/03/10**
Alkalinity										
Total Alkalinity as CaCO3	ALKALINITY	LA-531-411		130		mg/L	1	1	10	12/03/10

MDL = Minimum Detection
RQ = Result Qualifier
TP Err = Total Propagated
DF = Dilution Factor
+ - Indicates more than nine qualifier

B - Analyte < the RDL but >= the IDL/MDL.
C - Analyte was found in the Associated Blank. (Inorganic)
D - Analyte was reported at a secondary diltution factor.
N - MS and/or MSD sample recovery outside control limits.
U - Analyzed for but not detected above limiting criteria.

N - Spike Recovery is Outside Control Limits.
X,Y or Z - See comment detail and/or narrative.
PQL is equivalent to Estimated Quantitation Limit (EQL)

WSCF Analytical Results Report

Attention Michael Neely
Department Wet Chemistry

Group # WSCF103130

Sample # 103130009
SAF# X11-005
Sample ID B27X31

Matrix WATER
Sampled 11/29/10
Received 11/29/10

Test Performed	CAS #	Method	RQ	Result	TP Err	Units	DF	MDL	PQL	Analyzed
Alkalinity										**12/03/10**
Alkalinity										
Total Alkalinity as CaCO3	ALKALINITY	LA-531-411		100		mg/L	1	1	10	12/03/10

MDL = Minimum Detection
RQ = Result Qualifier
TP Err = Total Propagated
DF = Dilution Factor
+ - Indicates more than nine qualifier

B - Analyte < the RDL but >= the IDL/MDL.
C - Analyte was found in the Associated Blank. (Inorganic)
D - Analyte was reported at a secondary diltution factor.
N - MS and/or MSD sample recovery outside control limits.
U - Analyzed for but not detected above limiting criteria.

N - Spike Recovery is Outside Control Limits.
X,Y or Z - See comment detail and/or narrative.
PQL is equivalent to Estimated Quantitation Limit (EQL)

Quality Control Report

Attention Michael Neely
Department Inorganic

Group # WSCF103130

QC Batch 170448
Associated Samples 103130001

Test Anions by Ion Chromatography (Water)

Analyte	CAS #	Original Found	QC Found	Units	% Recov	Limits	RPD	RPD Limit	RQ	Analyzed
BLANK			**QC Sample #42828**							
Fluoride	16984-48-8		<0.044	ug/mL					U	11/29/10
Chloride	16887-00-6		<0.042	ug/mL					U	11/29/10
Nitrite-N	NO2-N		<0.018	ug/mL					U	11/29/10
Bromide	24959-67-9		<0.054	ug/mL					U	11/29/10
Nitrate-N	NO3-N		<9.7E-3	ug/mL					U	11/29/10
Phosphate-P	PO4-P		<0.072	ug/mL					U	11/29/10
Sulfate	14808-79-8		<0.083	ug/mL					U	11/29/10
LCS			**QC Sample #42829**							
Fluoride	16984-48-8		0.921	ug/mL	93	90 - 110				11/29/10
Chloride	16887-00-6		2.01	ug/mL	101.6	90 - 110				11/29/10
Nitrite-N	NO2-N		0.948	ug/mL	96.9	90 - 110				11/29/10
Bromide	24959-67-9		3.95	ug/mL	100.8	90 - 110				11/29/10
Nitrate-N	NO3-N		0.918	ug/mL	103.7	90 - 110				11/29/10
Phosphate-P	PO4-P		1.98	ug/mL	103.6	90 - 110				11/29/10
Sulfate	14808-79-8		4.02	ug/mL	102.6	90 - 110				11/29/10
DUP			**QC Sample #42830**							
			Original 103124001							
Fluoride	16984-48-8		<0.088	ug/mL			0.00	20	UD	11/29/10

Quality Control Report

Attention Michael Neely
Department Inorganic

Group # WSCF103130

Analyte	CAS #	Original Found	QC Found	Units	% Recov	Limits	RPD	RPD Limit		RQ	Analyzed
Chloride	16887-00-6		<0.084	ug/mL			16.90	20		UD	11/29/10
Nitrite-N	NO2-N		<0.036	ug/mL			0.00	20		UD	11/29/10
Bromide	24959-67-9		<0.11	ug/mL			0.00	20		UD	11/29/10
Nitrate-N	NO3-N		<0.019	ug/mL			200.00	20	*	UXD	11/29/10
Phosphate-P	PO4-P		<0.14	ug/mL			0.00	20		UD	11/29/10
Sulfate	14808-79-8		<0.17	ug/mL			0.00	20		UD	11/29/10
MS			**QC Sample #42831**								
			Original 103124001								
Fluoride	16984-48-8		0.886	ug/mL	88.6	80 - 120				D	11/29/10
Chloride	16887-00-6		2.06	ug/mL	103.2	80 - 120				D	11/29/10
Nitrite-N	NO2-N		0.995	ug/mL	100.7	80 - 120				D	11/29/10
Bromide	24959-67-9		4.04	ug/mL	102.1	80 - 120				D	11/29/10
Nitrate-N	NO3-N		0.925	ug/mL	103.4	80 - 120				D	11/29/10
Phosphate-P	PO4-P		1.99	ug/mL	103.1	80 - 120				D	11/29/10
Sulfate	14808-79-8		4.08	ug/mL	102.9	80 - 120				D	11/29/10
MSD			**QC Sample #42832**								
			Original 103124001						**Paired**	**42831**	
Fluoride	16984-48-8		0.911	ug/mL	91.1	80 - 120	2.80	20		D	11/29/10
Chloride	16887-00-6		2.08	ug/mL	103.9	80 - 120	0.70	20		D	11/29/10
Nitrite-N	NO2-N		1.03	ug/mL	104.7	80 - 120	3.90	20		D	11/29/10
Bromide	24959-67-9		4.15	ug/mL	104.7	80 - 120	2.50	20		D	11/29/10
Nitrate-N	NO3-N		0.965	ug/mL	108	80 - 120	4.40	20		D	11/29/10
Phosphate-P	PO4-P		2.01	ug/mL	104.3	80 - 120	1.20	20		D	11/29/10
Sulfate	14808-79-8		4.10	ug/mL	103.5	80 - 120	0.60	20		D	11/29/10

Quality Control Report

Attention Michael Neely
Department Inorganic

Group # WSCF103130

QC Batch 170450
Associated Samples 103130002, 103130003

Test Anions by Ion Chromatography (Water)

Analyte	CAS #	Original Found	QC Found	Units	% Recov	Limits	RPD	RPD Limit	RQ	Analyzed
BLANK			**QC Sample #42835**							
Fluoride	16984-48-8		<0.044	ug/mL					U	11/29/10
Chloride	16887-00-6		<0.042	ug/mL					U	11/29/10
Nitrite-N	NO2-N		<0.018	ug/mL					U	11/29/10
Bromide	24959-67-9		<0.054	ug/mL					U	11/29/10
Nitrate-N	NO3-N		<9.7E-3	ug/mL					U	11/29/10
Phosphate-P	PO4-P		<0.072	ug/mL					U	11/29/10
Sulfate	14808-79-8		<0.083	ug/mL					U	11/29/10
LCS			**QC Sample #42836**							
Fluoride	16984-48-8		0.941	ug/mL	95.1	90 - 110				11/29/10
Chloride	16887-00-6		2.05	ug/mL	103.7	90 - 110				11/29/10
Nitrite-N	NO2-N		1.03	ug/mL	105.8	90 - 110				11/29/10
Bromide	24959-67-9		4.18	ug/mL	106.5	90 - 110				11/29/10
Nitrate-N	NO3-N		0.946	ug/mL	106.9	90 - 110				11/29/10
Phosphate-P	PO4-P		1.98	ug/mL	103.7	90 - 110				11/29/10
Sulfate	14808-79-8		4.12	ug/mL	105	90 - 110				11/29/10
DUP			**QC Sample #42837**							
			Original 103130003							
Fluoride	16984-48-8	0.392	0.341	ug/mL			13.90	20	BD	11/29/10

Quality Control Report

Attention Michael Neely
Department Inorganic

Group # WSCF103130

Analyte	CAS #	Original Found	QC Found	Units	% Recov	Limits	RPD	RPD Limit	RQ	Analyzed
Chloride	16887-00-6	7.62	7.60	ug/mL			0.30	20	D	11/29/10
Nitrite-N	NO2-N	<0.036	<0.036	ug/mL			0.00	20	UD	11/29/10
Bromide	24959-67-9	<0.11	<0.11	ug/mL			15.20	20	UD	11/29/10
Nitrate-N	NO3-N	1.54	1.54	ug/mL			0.00	20	D	11/29/10
Phosphate-P	PO4-P	<0.14	<0.14	ug/mL			0.00	20	UD	11/29/10
Sulfate	14808-79-8	28.1	27.9	ug/mL			0.70	20	D	11/29/10
MS			**QC Sample #42838**							
			Original 103130003							
Fluoride	16984-48-8	0.392	0.962	ug/mL	96.2	80 - 120			D	11/29/10
Chloride	16887-00-6	7.62	1.84	ug/mL	92	80 - 120			D	11/29/10
Nitrite-N	NO2-N	<0.036	1.06	ug/mL	107.5	80 - 120			D	11/29/10
Bromide	24959-67-9	<0.11	4.09	ug/mL	103.2	80 - 120			D	11/29/10
Nitrate-N	NO3-N	1.54	0.903	ug/mL	101	80 - 120			D	11/29/10
Phosphate-P	PO4-P	<0.14	1.98	ug/mL	102.3	80 - 120			D	11/29/10
Sulfate	14808-79-8	28.1	3.46	ug/mL	87.5	80 - 120			D	11/29/10
MSD			**QC Sample #42839**							
			Original 103130003					**Paired**	**42838**	
Fluoride	16984-48-8	0.392	0.924	ug/mL	92.4	80 - 120	4.00	20	D	11/29/10
Chloride	16887-00-6	7.62	1.87	ug/mL	93.6	80 - 120	1.70	20	D	11/29/10
Nitrite-N	NO2-N	<0.036	1.05	ug/mL	106.4	80 - 120	1.00	20	D	11/29/10
Bromide	24959-67-9	<0.11	4.21	ug/mL	106.2	80 - 120	2.90	20	D	11/29/10
Nitrate-N	NO3-N	1.54	0.968	ug/mL	108.2	80 - 120	6.90	20	D	11/29/10
Phosphate-P	PO4-P	<0.14	2.01	ug/mL	104.2	80 - 120	1.80	20	D	11/29/10
Sulfate	14808-79-8	28.1	3.74	ug/mL	94.4	80 - 120	7.60	20	D	11/29/10

Quality Control Report

Attention Michael Neely
Department Inorganic

Group # WSCF103130

QC Batch 170451 **Test** ICP-6010 - All possible metals
Associated Samples 103130004, 103130005, 103130006, 103130007, 103130008, 103130009

Analyte	CAS #	Original Found	QC Found	Units	% Recov Limits	RPD	RPD Limit	RQ	Analyzed
BLANK			**QC Sample #42841**						
Aluminum	7429-90-5		<19	ug/L				U	12/02/10
Iron	7439-89-6		<38	ug/L				U	12/02/10
Magnesium	7439-95-4		<14	ug/L				U	12/02/10
Manganese	7439-96-5		<6.0	ug/L				U	12/02/10
Nickel	7440-02-0		<4.0	ug/L				U	12/02/10
Potassium	7440-09-7		<73	ug/L				U	12/02/10
Silver	7440-22-4		<7.0	ug/L				U	12/02/10
Sodium	7440-23-5		12.0	ug/L				B	12/02/10
Antimony	7440-36-0		<47	ug/L				U	12/02/10
Barium	7440-39-3		<4.0	ug/L				U	12/02/10
Cadmium	7440-43-9		<4.0	ug/L				U	12/02/10
Chromium	7440-47-3		<14	ug/L				U	12/02/10
Cobalt	7440-48-4		<4.0	ug/L				U	12/02/10
Copper	7440-50-8		<5.0	ug/L				U	12/02/10
Vanadium	7440-62-2		<17	ug/L				U	12/02/10
Zinc	7440-66-6		<4.0	ug/L				U	12/02/10
Calcium	7440-70-2		<28	ug/L				U	12/02/10
Lead	7439-92-1		<42	ug/L				U	12/02/10
Lithium	7439-93-2		<4.0	ug/L				U	12/02/10

Quality Control Report

Attention Michael Neely
Department Inorganic

Group # WSCF103130

Analyte	CAS #	Original Found	QC Found	Units	% Recov	Limits	RPD	RPD Limit	RQ	Analyzed
Molybdenum	7439-98-7		<4.0	ug/L					U	12/02/10
Strontium	7440-24-6		<4.0	ug/L					U	12/02/10
Thallium	7440-28-0		<49	ug/L					U	12/02/10
Tin	7440-31-5		<49	ug/L					U	12/02/10
Arsenic	7440-38-2		<50	ug/L					U	12/02/10
Beryllium	7440-41-7		<4.0	ug/L					U	12/02/10
Boron	7440-42-8		<41	ug/L					U	12/02/10
Bismuth	7440-69-9		<37	ug/L					U	12/02/10
Silicon	7440-21-3		<25	ug/L					U	12/02/10
Phosphorus	7723-14-0		<72	ug/L					U	12/02/10
Selenium	7782-49-2		<47	ug/L					U	12/02/10
LCS			**QC Sample #42842**							
Aluminum	7429-90-5		992	ug/L	99.2	80 - 120				12/02/10
Iron	7439-89-6		998	ug/L	99.8	80 - 120				12/02/10
Magnesium	7439-95-4		983	ug/L	98.3	80 - 120				12/02/10
Manganese	7439-96-5		1010	ug/L	101	80 - 120				12/02/10
Nickel	7440-02-0		985	ug/L	98.5	80 - 120				12/02/10
Potassium	7440-09-7		1020	ug/L	10.2	80 - 120			X	12/02/10
Silver	7440-22-4		958	ug/L	95.8	80 - 120				12/02/10
Sodium	7440-23-5		1010	ug/L	101	80 - 120				12/02/10
Antimony	7440-36-0		1020	ug/L	102	80 - 120				12/02/10
Barium	7440-39-3		485	ug/L	97	80 - 120				12/02/10
Cadmium	7440-43-9		994	ug/L	99.4	80 - 120				12/02/10
Chromium	7440-47-3		969	ug/L	96.9	80 - 120				12/02/10

Quality Control Report

Attention Michael Neely
Department Inorganic

Group # WSCF103130

Analyte	CAS #	Original Found	QC Found	Units	% Recov	Limits	RPD	RPD Limit	RQ	Analyzed
Cobalt	7440-48-4		970	ug/L	97	80 - 120				12/02/10
Copper	7440-50-8		994	ug/L	99.4	80 - 120				12/02/10
Vanadium	7440-62-2		984	ug/L	98.4	80 - 120				12/02/10
Zinc	7440-66-6		982	ug/L	98.2	80 - 120				12/02/10
Calcium	7440-70-2		1020	ug/L	102	80 - 120				12/02/10
Lead	7439-92-1		1050	ug/L	105	80 - 120				12/02/10
Lithium	7439-93-2		486	ug/L	97.2	80 - 120				12/02/10
Molybdenum	7439-98-7		981	ug/L	98.1	80 - 120				12/02/10
Strontium	7440-24-6		505	ug/L	101	80 - 120				12/02/10
Thallium	7440-28-0		963	ug/L	96.3	80 - 120				12/02/10
Tin	7440-31-5		1030	ug/L	103	80 - 120				12/02/10
Arsenic	7440-38-2		1020	ug/L	102	80 - 120				12/02/10
Beryllium	7440-41-7		516	ug/L	103.2	80 - 120				12/02/10
Boron	7440-42-8		970	ug/L	97	80 - 120				12/02/10
Bismuth	7440-69-9		944	ug/L	94.4	80 - 120				12/02/10
Silicon	7440-21-3		1020	ug/L	102	80 - 120				12/02/10
Phosphorus	7723-14-0		1010	ug/L	101	80 - 120				12/02/10
Selenium	7782-49-2		992	ug/L	99.2	80 - 120				12/02/10
MS			**QC Sample #42843**							
			Original 103124003							
Aluminum	7429-90-5		965	ug/L	96.5	75 - 125				12/02/10
Iron	7439-89-6		996	ug/L	99.6	75 - 125				12/02/10
Magnesium	7439-95-4		961	ug/L	96.1	75 - 125				12/02/10
Manganese	7439-96-5		1000	ug/L	100	75 - 125				12/02/10
Nickel	7440-02-0		992	ug/L	99.2	75 - 125				12/02/10

Quality Control Report

Attention Michael Neely
Department Inorganic

Group # WSCF103130

Analyte	CAS #	Original Found	QC Found	Units	% Recov	Limits	RPD	RPD Limit	RQ	Analyzed
Potassium	7440-09-7		980	ug/L	9.8	75 - 125			X	12/02/10
Silver	7440-22-4		967	ug/L	96.7	75 - 125				12/02/10
Sodium	7440-23-5		974	ug/L	97.4	75 - 125				12/02/10
Antimony	7440-36-0		1020	ug/L	102	75 - 125				12/02/10
Barium	7440-39-3		483	ug/L	96.6	75 - 125				12/02/10
Cadmium	7440-43-9		996	ug/L	99.6	75 - 125				12/02/10
Chromium	7440-47-3		971	ug/L	97.1	75 - 125				12/02/10
Cobalt	7440-48-4		979	ug/L	97.9	75 - 125				12/02/10
Copper	7440-50-8		987	ug/L	98.7	75 - 125				12/02/10
Vanadium	7440-62-2		971	ug/L	97.1	75 - 125				12/02/10
Zinc	7440-66-6		990	ug/L	99	75 - 125				12/02/10
Calcium	7440-70-2		1030	ug/L	102.9	75 - 125				12/02/10
Lead	7439-92-1		1020	ug/L	102	75 - 125				12/02/10
Lithium	7439-93-2		474	ug/L	94.8	75 - 125				12/02/10
Molybdenum	7439-98-7		993	ug/L	99.3	75 - 125				12/02/10
Strontium	7440-24-6		501	ug/L	100.2	75 - 125				12/02/10
Thallium	7440-28-0		910	ug/L	91	75 - 125				12/02/10
Tin	7440-31-5		1030	ug/L	103	75 - 125				12/02/10
Arsenic	7440-38-2		1020	ug/L	102	75 - 125				12/02/10
Beryllium	7440-41-7		514	ug/L	102.8	75 - 125				12/02/10
Boron	7440-42-8		988	ug/L	98.8	75 - 125				12/02/10
Bismuth	7440-69-9		926	ug/L	92.6	75 - 125				12/02/10
Silicon	7440-21-3		1030	ug/L	103	75 - 125				12/02/10
Phosphorus	7723-14-0		1050	ug/L	105	75 - 125				12/02/10
Selenium	7782-49-2		965	ug/L	96.5	75 - 125				12/02/10

Quality Control Report

Attention Michael Neely
Department Inorganic

Group # WSCF103130

Analyte	CAS #	Original Found	QC Found	Units	% Recov	Limits	RPD	RPD Limit	RQ	Analyzed
MSD			**QC Sample #42844**							
			Original	**103124003**				**Paired**	**42843**	
Aluminum	7429-90-5		961	ug/L	96.1	75 - 125	0.40	20		12/02/10
Iron	7439-89-6		1010	ug/L	101	75 - 125	1.40	20		12/02/10
Magnesium	7439-95-4		966	ug/L	96.6	75 - 125	0.50	20		12/02/10
Manganese	7439-96-5		995	ug/L	99.5	75 - 125	0.50	20		12/02/10
Nickel	7440-02-0		984	ug/L	98.4	75 - 125	0.80	20		12/02/10
Potassium	7440-09-7		984	ug/L	9.8	75 - 125	0.00	20	X	12/02/10
Silver	7440-22-4		964	ug/L	96.4	75 - 125	0.30	20		12/02/10
Sodium	7440-23-5		968	ug/L	96.8	75 - 125	0.60	20		12/02/10
Antimony	7440-36-0		1040	ug/L	104	75 - 125	1.90	20		12/02/10
Barium	7440-39-3		479	ug/L	95.8	75 - 125	0.80	20		12/02/10
Cadmium	7440-43-9		991	ug/L	99.1	75 - 125	0.50	20		12/02/10
Chromium	7440-47-3		957	ug/L	95.7	75 - 125	1.50	20		12/02/10
Cobalt	7440-48-4		971	ug/L	97.1	75 - 125	0.80	20		12/02/10
Copper	7440-50-8		980	ug/L	98	75 - 125	0.70	20		12/02/10
Vanadium	7440-62-2		969	ug/L	96.9	75 - 125	0.20	20		12/02/10
Zinc	7440-66-6		979	ug/L	97.9	75 - 125	1.10	20		12/02/10
Calcium	7440-70-2		1030	ug/L	102.9	75 - 125	0.00	20		12/02/10
Lead	7439-92-1		1050	ug/L	105	75 - 125	2.90	20		12/02/10
Lithium	7439-93-2		475	ug/L	95	75 - 125	0.20	20		12/02/10
Molybdenum	7439-98-7		984	ug/L	98.4	75 - 125	0.90	20		12/02/10
Strontium	7440-24-6		497	ug/L	99.4	75 - 125	0.80	20		12/02/10
Thallium	7440-28-0		922	ug/L	92.2	75 - 125	1.30	20		12/02/10
Tin	7440-31-5		1030	ug/L	103	75 - 125	0.00	20		12/02/10

Quality Control Report

Attention Michael Neely
Department Inorganic

Group # WSCF103130

Analyte	CAS #	Original Found	QC Found	Units	% Recov	Limits	RPD	RPD Limit	RQ	Analyzed
Arsenic	7440-38-2		1000	ug/L	100	75 - 125	2.00	20		12/02/10
Beryllium	7440-41-7		512	ug/L	102.4	75 - 125	0.40	20		12/02/10
Boron	7440-42-8		967	ug/L	96.7	75 - 125	2.10	20		12/02/10
Bismuth	7440-69-9		925	ug/L	92.5	75 - 125	0.10	20		12/02/10
Silicon	7440-21-3		1020	ug/L	102	75 - 125	1.00	20		12/02/10
Phosphorus	7723-14-0		1040	ug/L	104	75 - 125	1.00	20		12/02/10
Selenium	7782-49-2		998	ug/L	99.8	75 - 125	3.40	20		12/02/10

Quality Control Report

Attention Michael Neely
Department Organic, Semivolatiles

Group # WSCF103130

QC Batch 170558
Associated Samples 103130007, 103130008, 103130009

Test Extractable Diesel and Petroleum

Analyte	CAS #	Original Found	QC Found	Units	% Recov	Limits	RPD	RPD Limit	RQ	Analyzed
BLANK			**QC Sample #43043**							
Diesel	TPHDIESEL		<80	ug/L					U	12/09/10
LCS			**QC Sample #43044**							
Diesel	TPHDIESEL		2300	ug/L	93.1	65 - 128				12/09/10
MS			**QC Sample #43045**							
			Original 103130007							
Diesel	TPHDIESEL	<70	2200	ug/L	92.1	73 - 123				12/10/10
MSD			**QC Sample #43046**							
			Original 103130007					**Paired**	**43045**	
Diesel	TPHDIESEL	<70	2300	ug/L	98.6	73 - 123	6.80	20		12/10/10

Quality Control Report

Attention Michael Neely
Department Wet Chemistry

Group # WSCF103130

QC Batch 170742
Associated Samples 103130007, 103130008, 103130009

Test Total Alkalinity as mg/L CaCO3 (Water)

Analyte	CAS #	Original Found	QC Found	Units	% Recov	Limits	RPD	RPD Limit		RQ	Analyzed
LCS			**QC Sample #43394**								
Total Alkalinity as CaCO3	ALKALINITY		100	mg/L	101.5	80 - 120					12/03/10
DUP			**QC Sample #43395**								
			Original 103124005								
Total Alkalinity as CaCO3	ALKALINITY		<1	mg/L			120.00	20	*	U	12/03/10

Quality Control Report

Attention Michael Neely
Department Inorganic

Group # WSCF103130

QC Batch 170910 **Test** ICP-2008 MS All possible metal
Associated Samples 103130004, 103130005, 103130006, 103130007, 103130008, 103130009

Analyte	CAS #	Original Found	QC Found	Units	% Recov	Limits	RPD	RPD Limit	RQ	Analyzed
BLANK			**QC Sample #43721**							
Aluminum	7429-90-5		<5.0	ug/L					U	12/13/10
Silver	7440-22-4		<0.10	ug/L					U	12/13/10
Antimony	7440-36-0		<0.30	ug/L					U	12/13/10
Barium	7440-39-3		<0.20	ug/L					U	12/13/10
Beryllium	7440-41-7		<0.050	ug/L					U	12/13/10
Cadmium	7440-43-9		<0.10	ug/L					U	12/13/10
Chromium	7440-47-3		<0.50	ug/L					U	12/13/10
Cobalt	7440-48-4		<0.050	ug/L					U	12/13/10
Copper	7440-50-8		<0.10	ug/L					U	12/13/10
Lead	7439-92-1		<0.10	ug/L					U	12/13/10
Mercury	7439-97-6		<0.050	ug/L					U	12/13/10
Molybdenum	7439-98-7		<0.050	ug/L					U	12/13/10
Thallium	7440-28-0		<0.050	ug/L					U	12/13/10
Tin	7440-31-5		<0.050	ug/L					U	12/13/10
Arsenic	7440-38-2		<0.40	ug/L					U	12/13/10
Selenium	7782-49-2		<0.30	ug/L					U	12/13/10
LCS			**QC Sample #43722**							
Aluminum	7429-90-5		373	ug/L	93.3	85 - 115				12/13/10

Quality Control Report

Attention Michael Neely
Department Inorganic

Group # WSCF103130

Analyte	CAS #	Original Found	QC Found	Units	% Recov	Limits	RPD	RPD Limit	RQ	Analyzed
Silver	7440-22-4		39.2	ug/L	98	85 - 115				12/13/10
Antimony	7440-36-0		37.7	ug/L	94.2	85 - 115				12/13/10
Barium	7440-39-3		38.4	ug/L	96	85 - 115				12/13/10
Beryllium	7440-41-7		36.4	ug/L	91.1	85 - 115				12/13/10
Cadmium	7440-43-9		37.2	ug/L	93.1	85 - 115				12/13/10
Chromium	7440-47-3		38.8	ug/L	97	85 - 115				12/13/10
Cobalt	7440-48-4		38.2	ug/L	95.4	85 - 115				12/13/10
Copper	7440-50-8		38.1	ug/L	95.2	85 - 115				12/13/10
Lead	7439-92-1		39.9	ug/L	99.7	85 - 115				12/13/10
Mercury	7439-97-6		1.84	ug/L	91.8	85 - 115				12/13/10
Molybdenum	7439-98-7		38.1	ug/L	95.2	85 - 115				12/13/10
Thallium	7440-28-0		39.4	ug/L	98.5	85 - 115				12/13/10
Tin	7440-31-5		38.2	ug/L	95.6	85 - 115				12/13/10
Arsenic	7440-38-2		37.0	ug/L	92.4	85 - 115				12/13/10
Selenium	7782-49-2		36.8	ug/L	92	85 - 115				12/13/10
MS			**QC Sample #43723**							
			Original 103130004							
Aluminum	7429-90-5	<5.0	353	ug/L	88.4	70 - 130				12/13/10
Silver	7440-22-4	<0.10	36.8	ug/L	91.9	70 - 130				12/13/10
Antimony	7440-36-0	<0.30	38.2	ug/L	95.6	70 - 130				12/13/10
Barium	7440-39-3	42.4	37.0	ug/L	92.6	70 - 130				12/13/10
Beryllium	7440-41-7	<0.050	34.0	ug/L	85.1	70 - 130				12/13/10
Cadmium	7440-43-9	<0.10	36.9	ug/L	92.2	70 - 130				12/13/10
Chromium	7440-47-3	3.64	36.8	ug/L	92.1	70 - 130				12/13/10
Cobalt	7440-48-4	0.0760	35.0	ug/L	87.6	70 - 130				12/13/10

Quality Control Report

Attention Michael Neely
Department Inorganic

Group # WSCF103130

Analyte	CAS #	Original Found	QC Found	Units	% Recov	Limits	RPD	RPD Limit	RQ	Analyzed
Copper	7440-50-8	<0.10	33.8	ug/L	84.6	70 - 130				12/13/10
Lead	7439-92-1	<0.10	39.2	ug/L	98.1	70 - 130				12/13/10
Mercury	7439-97-6	<0.050	1.92	ug/L	96.1	70 - 130				12/13/10
Molybdenum	7439-98-7	8.15	38.8	ug/L	96.9	70 - 130				12/13/10
Thallium	7440-28-0	<0.050	39.4	ug/L	98.4	70 - 130				12/13/10
Tin	7440-31-5	<0.050	38.0	ug/L	95	70 - 130				12/13/10
Arsenic	7440-38-2	4.99	37.2	ug/L	92.9	70 - 130				12/13/10
Selenium	7782-49-2	2.29	35.3	ug/L	88.2	70 - 130				12/13/10
MSD			**QC Sample #43724**							
			Original 103130004						**Paired 43723**	
Aluminum	7429-90-5	<5.0	361	ug/L	90.2	70 - 130	2.00	20		12/13/10
Silver	7440-22-4	<0.10	37.4	ug/L	93.4	70 - 130	1.60	20		12/13/10
Antimony	7440-36-0	<0.30	39.0	ug/L	97.4	70 - 130	1.90	20		12/13/10
Barium	7440-39-3	42.4	38.1	ug/L	95.2	70 - 130	2.80	20		12/13/10
Beryllium	7440-41-7	<0.050	36.4	ug/L	90.9	70 - 130	6.60	20		12/13/10
Cadmium	7440-43-9	<0.10	37.4	ug/L	93.4	70 - 130	1.30	20		12/13/10
Chromium	7440-47-3	3.64	37.3	ug/L	93.4	70 - 130	1.40	20		12/13/10
Cobalt	7440-48-4	0.0760	35.8	ug/L	89.6	70 - 130	2.30	20		12/13/10
Copper	7440-50-8	<0.10	34.8	ug/L	86.9	70 - 130	2.70	20		12/13/10
Lead	7439-92-1	<0.10	40.1	ug/L	100.3	70 - 130	2.20	20		12/13/10
Mercury	7439-97-6	<0.050	1.97	ug/L	98.4	70 - 130	2.40	20		12/13/10
Molybdenum	7439-98-7	8.15	39.5	ug/L	98.7	70 - 130	1.80	20		12/13/10
Thallium	7440-28-0	<0.050	40.5	ug/L	101.2	70 - 130	2.80	20		12/13/10
Tin	7440-31-5	<0.050	39.0	ug/L	97.5	70 - 130	2.60	20		12/13/10
Arsenic	7440-38-2	4.99	36.6	ug/L	91.6	70 - 130	1.40	20		12/13/10

Quality Control Report

Attention Michael Neely
Department Inorganic

Group # WSCF103130

Analyte	CAS #	Original Found	QC Found	Units	% Recov	Limits	RPD	RPD Limit	RQ	Analyzed
Selenium	7782-49-2	2.29	34.0	ug/L	84.9	70 - 130	3.80	20		12/13/10

Quality Control Report

Attention Michael Neely
Department Radiochemistry

Group # WSCF103130

QC Batch 170471
Associated Samples 103130007, 103130008, 103130009

Test Americium/Curium (AEA)

Analyte	CAS #	Original Found	QC Found	Units	% Recov	Limits	RPD	RPD Limit		RQ	Analyzed
BLANK			**QC Sample #42911**								
Americium-241	14596-10-2		0.094	pCi/L						U	12/08/10
LCS			**QC Sample #42912**								
Americium-241	14596-10-2		6.0	pCi/sample	108.8	80 - 120					12/08/10
DUP			**QC Sample #42913**								
			Original 102968003								
Americium-241	14596-10-2		-8.8E-3	pCi/L			212.10	20	*	U	12/08/10

Quality Control Report

Attention Michael Neely
Department Radiochemistry

Group # WSCF103130

QC Batch 170486
Associated Samples 103130007, 103130008, 103130009

Test Strontium 89/90 (GPC/GEA)

Analyte	CAS #	Original Found	QC Found	Units	% Recov	Limits	RPD	RPD Limit		RQ	Analyzed
BLANK			**QC Sample #42946**								
Strontium-89/90	SR-RAD		-2.6	pCi/L						U	12/21/10
LCS			**QC Sample #42947**								
Strontium-89/90	SR-RAD		99	pCi/L	106.5	80 - 120					12/21/10
DUP			**QC Sample #42948**								
			Original	**103124005**							
Strontium-89/90	SR-RAD		-0.86	pCi/L			-60.20	20	*	U	12/21/10

Quality Control Report

Attention Michael Neely
Department Radiochemistry

Group # WSCF103130

QC Batch 170491
Associated Samples 103130007, 103130008, 103130009

Test Tritium by LSC

Analyte	CAS #	Original Found	QC Found	Units	% Recov	Limits	RPD	RPD Limit		RQ	Analyzed
BLANK			**QC Sample #42962**								
Tritium	10028-17-8		-49	pCi/L						U	12/02/10
LCS			**QC Sample #42963**								
Tritium	10028-17-8		3000	pCi/L	99.9	80 - 120					12/02/10
DUP			**QC Sample #42964**								
			Original 103126003								
Tritium	10028-17-8		56	pCi/L			920.00	20	*	U	12/02/10
MS			**QC Sample #42965**								
			Original 103126003								
Tritium	10028-17-8		18000	pCi/L	89.2	75 - 125					12/02/10

Quality Control Report

Attention Michael Neely
Department Radiochemistry

Group # WSCF103130

QC Batch 170523
Associated Samples 103130007, 103130008, 103130009

Test TC99 by Liquid Scintillation

Analyte	CAS #	Original Found	QC Found	Units	% Recov	Limits	RPD	RPD Limit		RQ	Analyzed
BLANK			**QC Sample #42994**								
Technetium-99	14133-76-7		-9.7	pCi/L						U	12/06/10
LCS			**QC Sample #42995**								
Technetium-99	14133-76-7		260	pCi/L	104	80 - 120					12/06/10
DUP			**QC Sample #42996**								
			Original 103130007								
Technetium-99	14133-76-7	-0.70	16	pCi/L			218.30	20	*	X	12/06/10
MS			**QC Sample #42997**								
			Original 103130007								
Technetium-99	14133-76-7	-0.70	1000	pCi/L	104.6	75 - 125					12/06/10

Quality Control Report

Attention Michael Neely
Department Radiochemistry

Group # WSCF103130

QC Batch 170549
Associated Samples 103130007

Test Gross Alpha/Gross Beta

Analyte	CAS #	Original Found	QC Found	Units	% Recov	Limits	RPD	RPD Limit		RQ	Analyzed
BLANK			**QC Sample #43023**								
Gross Alpha	12587-46-1		0.36	pCi/L						U	12/14/10
Gross Beta	12587-47-2		0.62	pCi/L						U	12/14/10
LCS			**QC Sample #43024**								
Gross Alpha	12587-46-1		75	pCi/L	92.5	80 - 120					12/14/10
Gross Beta	12587-47-2		250	pCi/L	116	80 - 120					12/14/10
DUP			**QC Sample #43025**								
			Original 103065002								
Gross Alpha	12587-46-1		3.3	pCi/L			20.00	20			12/14/10
Gross Beta	12587-47-2		5.5	pCi/L			47.20	20	*	X	12/14/10

Quality Control Report

Attention Michael Neely
Department Radiochemistry

Group # WSCF103130

QC Batch 170550
Associated Samples 103130008, 103130009

Test Gross Alpha/Gross Beta

Analyte	CAS #	Original Found	QC Found	Units	% Recov	Limits	RPD	RPD Limit		RQ	Analyzed
BLANK			**QC Sample #43026**								
Gross Alpha	12587-46-1		4.5E-3	pCi/L						U	12/14/10
Gross Beta	12587-47-2		-1.8	pCi/L						U	12/14/10
LCS			**QC Sample #43027**								
Gross Alpha	12587-46-1		75	pCi/L	91.6	80 - 120					12/14/10
Gross Beta	12587-47-2		250	pCi/L	114.7	80 - 120					12/14/10
DUP			**QC Sample #43028**								
			Original 103130008								
Gross Alpha	12587-46-1	3.3	3.5	pCi/L			5.90	20			12/14/10
Gross Beta	12587-47-2	-0.062	-0.25	pCi/L			-120.50	20	*	U	12/14/10

Quality Control Report

Attention Michael Neely
Department Radiochemistry

Group # WSCF103130

QC Batch 170471
Associated Samples 103130007, 103130008, 103130009

Test Americium/Curium (AEA)

Analyte	CAS #	Original Found	QC Found	Units	% Recov	Limits	RPD	RPD Limit	RQ	Analyzed
SAMPLE			**Sample #103130007**							
Americium-243 Tracer	14993-75-0				88.6	25 - 105				12/08/10
SAMPLE			**Sample #103130008**							
Americium-243 Tracer	14993-75-0				95.5	25 - 105				12/08/10
SAMPLE			**Sample #103130009**							
Americium-243 Tracer	14993-75-0				80.5	25 - 105				12/08/10
BLANK			**QC Sample #42911**							
Americium-243 Tracer	14993-75-0				86.9	25 - 105				12/08/10
LCS			**QC Sample #42912**							
Americium-243 Tracer	14993-75-0				88.2	25 - 105				12/08/10
DUP			**QC Sample #42913**							
			Original 102968003							
Americium-243 Tracer	14993-75-0				92.9	25 - 105	0.00			12/08/10

Quality Control Report

Attention Michael Neely
Department Radiochemistry

Group # WSCF103130

QC Batch 170486
Associated Samples 103130007, 103130008, 103130009

Test Strontium 89/90 (GPC/GEA)

Analyte	CAS #	Original Found	QC Found	Units	% Recov	Limits	RPD	RPD Limit	RQ	Analyzed
SAMPLE			**Sample #103130007**							
Strontium-85	13967-73-2				83.4	25 - 105				12/21/10
SAMPLE			**Sample #103130008**							
Strontium-85	13967-73-2				88.2	25 - 105				12/21/10
SAMPLE			**Sample #103130009**							
Strontium-85	13967-73-2				85.2	25 - 105				12/21/10
BLANK			**QC Sample #42946**							
Strontium-85	13967-73-2				87.3	25 - 105				12/21/10
LCS			**QC Sample #42947**							
Strontium-85	13967-73-2				85.2	25 - 105				12/21/10
DUP			**QC Sample #42948**							
			Original 103124005							
Strontium-85	13967-73-2				84.1	25 - 105	0.00			12/21/10

Quality Control Report

Attention Michael Neely
Department Organic, Semivolatiles

Group # WSCF103130

QC Batch 170558
Associated Samples 103130007, 103130008, 103130009

Test Extractable Diesel and Petroleum

Analyte	CAS #	Original Found	QC Found	Units	% Recov	Limits	RPD	RPD Limit	RQ	Analyzed
SAMPLE			**Sample #103130007**							
o-Terphenyl	84-15-1				103.2	70 - 130				12/10/10
SAMPLE			**Sample #103130008**							
o-Terphenyl	84-15-1				105	70 - 130				12/10/10
SAMPLE			**Sample #103130009**							
o-Terphenyl	84-15-1				86.2	70 - 130				12/10/10
BLANK			**QC Sample #43043**							
o-Terphenyl	84-15-1				100.4	70 - 130				12/09/10
LCS			**QC Sample #43044**							
o-Terphenyl	84-15-1				97.6	70 - 130				12/09/10
MS			**QC Sample #43045**							
			Original 103130007							
o-Terphenyl	84-15-1				97.8	70 - 130				12/10/10
MSD			**QC Sample #43046**							
			Original 103130007						**Paired 43045**	
o-Terphenyl	84-15-1				104	70 - 130	6.10	20		12/10/10

Analytical Comment Report

Attention: Michael Neely **Group #** WSCF103130

103130004 **B27X18**

Department Inorganic

Analyte Potassium - ICP-6010 - All possible metals
[1] X: Used new standard. Spike amount is 1 ppm, not 10 ppm.

103130005 **B27X24**

Department Inorganic

Analyte Potassium - ICP-6010 - All possible metals
[1] X: Used new standard. Spike amount is 1 ppm, not 10 ppm.

103130006 **B27X30**

Department Inorganic

Analyte Potassium - ICP-6010 - All possible metals
[1] X: Used new standard. Spike amount is 1 ppm, not 10 ppm.

103130007 **B27X19**

Department Inorganic

Analyte Potassium - ICP-6010 - All possible metals
[1] X: Used new standard. Spike amount is 1 ppm, not 10 ppm.

103130008 **B27X25**

Department Inorganic

Analyte Potassium - ICP-6010 - All possible metals
[1] X: Used new standard. Spike amount is 1 ppm, not 10 ppm.

103130009 **B27X31**

Department Inorganic

Analyte Potassium - ICP-6010 - All possible metals
[1] X: Used new standard. Spike amount is 1 ppm, not 10 ppm.

Quality Control Comments

Department Inorganic

42830 B28MN5(103124001DUP)

Analyte Nitrate-N - Anions by Ion Chromatography (Water)
[1] Duplicate is flagged for RPD out-of-limits. RPD does not apply to samples concentrations below the calibration range. RPD is calculated on measured values and not applicable for a result below the RDL.

42842 LCS for HBN 170451 [INOG/2936]

Analyte Potassium - ICP-6010 - All possible metals

Analytical Comment Report

Attention: Michael Neely

Group # WSCF103130

Quality Control Comments

[1] Used New Standard. Spike amount is 1ppm not 10 ppm.

42843 B28MN1(103124003MS)

Analyte Potassium - ICP-6010 - All possible metals

[1] X: Used new standard. Spike amount is 1 ppm, not 10 ppm.

42844 B28MN1(103124003MSD)

Analyte Potassium - ICP-6010 - All possible metals

[1] X: Used new standard. Spike amount is 1 ppm, not 10 ppm.

Attention: Michael Neely

Group # WSCF103130

Quality Control Comments

Department Radiochemistry

42996 B27X19(103130007DUP)

Analyte Technetium-99 - TC99 by Liquid Scintillation

[1] Duplicate RPD out-of-limits. RPD limit does not apply to results near the Minimum Detectable Concentration.

43025 B27C50(103065002DUP)

Analyte Gross Beta - Gross Alpha/Gross Beta

[1] Duplicate RPD out-of-limits. RPD limit does not apply to results near the Minimum Detectable Concentration.

ATTACHMENT4

SAMPLE RECEIPT

Consisting of 9 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

ACKNOWLEDGEMENT OF SAMPLES RECEIVED

WSCF Laboratory
PO Box 650 S3-30
Richland, WA 99352

ATTN: Michael Neely

Customer Code: CHPRC
PO #: 401922
Work Order #: 103130
Profile #: X11-005-319
Proj. Mgr.:
Phone:

The following samples were received from you on 11/29/2010 2:45:00 PM. 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	Matrix	Collected	Received
		Tests scheduled		
103130001	B28JW3	WATER	11/29/2010 09:50	11/29/2010 14:45
		IC-W		
103130002	B28JW4	WATER	11/29/2010 12:07	11/29/2010 14:45
		IC-W		
103130003	B28JW5	WATER	11/29/2010 13:58	11/29/2010 14:45
		IC-W		
103130004	B27X18	WATER	11/29/2010 09:50	11/29/2010 14:45
		2008-W; 6010-W		
103130005	B27X24	WATER	11/29/2010 12:07	11/29/2010 14:45
		2008-W; 6010-W		
103130006	B27X30	WATER	11/29/2010 13:58	11/29/2010 14:45
		2008-W; 6010-W		
103130007	B27X19	WATER	11/29/2010 09:50	11/29/2010 14:45
		2008-W; 6010-W; AEA-AM-W; ALK-W; GAB-AO-W; GAB-BO-W; H3-COL-W; SR89/90-W; TC99-W; TPHDWA-W		
103130008	B27X25	WATER	11/29/2010 12:07	11/29/2010 14:45
		2008-W; 6010-W; AEA-AM-W; ALK-W; GAB-AO-W; GAB-BO-W; H3-COL-W; SR89/90-W; TC99-W; TPHDWA-W		
103130009	B27X31	WATER	11/29/2010 13:58	11/29/2010 14:45
		2008-W; 6010-W; AEA-AM-W; ALK-W; GAB-AO-W; GAB-BO-W; H3-COL-W; SR89/90-W; TC99-W; TPHDWA-W		

Waste Sampling and Characterization Facility
P.O. Box 1970 S3-30, Richland WA 99352
Phone: (509) 373-7004/FAX: (509) 373-7134

Test Acronym Description

Test Acronym	Description
2008-W	ICP-MS (W)
6010-W	ICP-AES (W)
AEA-AM-W	Americium (AEA) (W)
ALK-W	Total Alkalinity (W)
GAB-AO-W	Gross Alpha/Beta (A only)(W)
GAB-BO-W	Gross Alpha/Beta (B only)(W)
H3-COL-W	Tritium by EICHROM Column (W)
IC-W	Anions by IC (W)
SR89/90-W	Strontium 89/90 (GPC) (W)
TC99-W	Technetium-99 (W)
TPHDWA-W	TPHD-WA (W)

CHPRC	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	C.O.C. # X11-005-319 Page 1 of 1

Collector: JOSH ARTIZER CHPRC	Contact/Requester: Karen Waters-Husted	Telephone No.: 376-6630
SAF No.: X11-005	Sampling Origin	Purchase Order/Charge Code: 300118ES20
Project Title: 618 HADBURA OCTOBER 2010	Logbook No: HNF-N-506 51 191	Ice Chest No.: N/A
Shipped To (Lab): Waste Sampling & Characterization	Method of Shipment: Government Vehicle	Bill of Lading/Air Bill No.: N/A
Protocol: CERCLA	Priority: 30 Days PRIORITY	Offsite Property No.: N/A

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)

103130

SPECIAL INSTRUCTIONS Hold Time — Total Activity Exemption: Yes ☑ No
Site Wide Area Generator Knowledge information here applies
The CACN for all analytical work at WSCF is 401922
Please report all TICs

Sample No	Filter	*	Date	Time	Ref/Type/Container	Sample Analysis	Holding Time	Preservative
B28JW3	N	W	11/29/10	0950	1x500-mL P	300.0_ANIONS_IC: List-I + Brom_Phosp (7)	48 Hours	Cool-4C

Relinquished By	Print / Sign	Date/Time	Received By	Print / Sign	Date/Time
JOSH ARTIZER CHPRC		1445 NOV 29 2010	TA Frazier		1445 NOV 29 2010
Relinquished By		Date/Time	Received By		Date/Time
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; SD - Solid; L - Liquid; SL - Sludge; WI - Wipe; W - Water; T - Tissue; O - Oil; V - Vacuum; A - Air; X - Other

FINAL SAMPLE DISPOSITION	Disposal Method (e.g., Return to customer per lab procedure, used in process)	Disposed By	Date/Time

A-6004-842 (REV 2)

CHPRC	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	C.O.C.# X11-005-320 Page 1 of 1

Collector/OSHARTZER CHPRC	Contact/Requester Karen Waters (Lusted)	Telephone No. 376 4650
SAF No. X11-005	Sampling Origin	Purchase Order/Charge Code 300118E520
Project Title JU2 JUGHURA OCTOBER 2010	Logbook No: HNF-N-506 31 191	Ice Chest No. N/A
Shipped To (Lab) Waste Sampling & Characterization	Method of Shipment Goverment Vehicle	Bill of Lading/Air Bill No. N/A
Protocol CERCLA	Priority: 30 Days PRIORITY	Offsite Property No. N/A

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 Waste Area Generator knowledge Information form applies
Use CACN for all analytical work at WSCF 2 401922
Please ignore all DFs

Sample No.	Filter	*	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B28JW4	2	N	W 11/29/10	1207	1x500-mL P	300.0_ANIONS_IC List-1 + Brom_Phosp (7)	48 Hours	Cool-4C

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
JOSH ARTIZER CHPRC			1446 NOV 29 2010	TA FRAZIER			1446 NOV 29 2010
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time

Matrix *
A - Air; SE - Sediment; SO - Solid; SL - Sludge; W - Water; O - Oil; A - Air; DS - Drum Solid; DL - Drum Liquid; T - Tissue; WI - Wipe; 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

A-6004-842 (REV 2)

Monday, November 29, 2010 7:23:53 PM
Page 4 of 8

CHPRC	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	C.O.C. # X11-005-321
		Page 1 of 1

Collector: JOSHARTZER CHPRC	Contact/Requester: Karen Waters-Husted	Telephone No.: 376-4650
SAF No.: X11-005	Sampling Origin	Purchase Order/Charge Code: 360113E520
Project Title: HZ HANFORD OCTOBER 2010	Logbook No: HNF-N-506 31 / 91	Ice Chest No.: N/A
Shipped To (Lab): Waste Sampling & Characterization	Method of Shipment: Government Vehicle	Bill of Lading/Air Bill No.: N/A
Protocol: CERCLA	Priority: 30 Days **PRIORITY**	Offsite Property No.: N/A

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 (490/1993)

SPECIAL INSTRUCTIONS Hold Time
Site Wide Area Generator Knowledge Information Form applies
The CACN for all analytical work at WSCF is 401522
Please report all TICs

Total Activity Exemption: Yes ☑ No ☐

Sample No.	Filter	*	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B28JW5	3	N	W	11/24/10	1358	1x500-mL P	300.0_ANIONS_IC List-1 - Brom_Phosp (7)	48 Hours	Cool-4C

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
JOSHARTZER CHPRC			1445 NOV 29 2010	TA FINALIZER			1445 NOV 29 2010
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time

Matrix *
SL - Soil; SS - Drum Solid; SE - Sediment; DL - Drum Liquid; SO - Solid; L - Liquid; SI - Sludge; WI - Wipe; W - Water; I - 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

A 8004 842 (REV 2)

CHPRC	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	C.O.C. # X11-005-123 Page 1 of 1

Collector: JOSH ARTZER CHPRC	Contact/Requester: Karen Waters/Hunter	Telephone No.: 376-4650
SAF No.: X11-005	Sampling Origin: Hanford Site	Purchase Order/Charge Code: 300 LRES20
Project Title: BIZ BIOSURA OCTOBER 2010	Logbook No.: HNF-N-506 31 / 191	Ice Chest No.: N/A
Shipped To (Lab): Waste Sampling & Characterization	Method of Shipment: Government Vehicle	Bill of Lading/Air Bill No.: N/A
Protocol: CERCLA	Priority: 30 Days **PRIORITY**	Offsite Property No.: N/A

POSSIBLE SAMPLE HAZARDS/REMARKS
** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not exclusible per DOE Order 5400.5 (1990/1993)

SPECIAL INSTRUCTIONS Hold Time Total Activity Exemption Yes ☑ No ☐
Site Wide Area Generator Knowledge Information Form applies
The LACN for all analytical work at WSCF is 99192.
Please report all TICs.

Sample No	Filter	*	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B27X18 4	Y	W	11/29/10	0950	1x500-mL G	200.8_HG - ICPMS	28 Days	HNO3 to pH <2
B27X18	Y	W			1x500-mL G/P	200.8_METALS_ICPMS: DURA LIST (10)	6 Months	HNO3 to pH <2
B27X18	Y	W			1x500-mL G/P	6010_METALS_ICP DURA LIST (29)	6 Months	HNO3 to pH <2
B27X19 7	N	W			1x500-mL G	200.8_HG - ICPMS	28 Days	HNO3 to pH <2
B27X19	N	W			1x500-mL G/P	200.8_METALS_ICPMS: DURA LIST (10)	6 Months	HNO3 to pH <2
B27X19	N	W			1x500-mL G/P	6010_METALS_ICP DURA LIST (29)	6 Months	HNO3 to pH <2
B27X19	N	W			1x250-mL G/P	2320_ALKALINITY Alkalinity (1)	14 Days	Cool~4C
B27X19	N	W			1x500-mL G/P	ALPHABETA_GPC Alpha discrete + Beta (2); ALPHABETA_GPC: Alpha discrete + Beta (2)	6 Months	HNO3 to pH <2
B27X19	N	W			1x1000-mL G/P	AMCMI30_IE_PREC_AEA Am-241 (1)	180 Days	HNO3 to pH <2
B27X19	N	W			1x1-L G/P	Strontium 89,90 – Total Sr	6 Months	HNO3 to pH <2
B27X19	N	W			1x1000-mL G/P	TC99_3MDSK_LSC: Tc-99 (1)	6 Months	HCl to pH <2
B27X19	N	W			1x250-mL G	TRITIUM_EIE_LSC Tritium (1)	6 Months	None
B27X19	N	W			3x1000-mL aG	TPH-Diesel Range - WTPH-D	14/40 Days	HCl to pH <2 Cool~4C

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
JOSH ARTZER CHPRC			NOV 29 2010 1445	TA PHAZIRA			NOV 29 2010 1445
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time

Matrix *
S = Soil, SD = Sediment, RS = Radioactive Soil, DS = Drum Solids, SL = Sludge, T = Tissue, R = Resin, 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

A-6004-842 (REV 2)

CHPRC	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	C.O.C.# X11-005-133
		Page 1 of 1

Collector: JOSH ARTIZER, CHPRC	Contact/Requester: Karen Waters-Sunal	Telephone No.: 376-4650
SAF No.: X11-005	Sampling Origin: Hanford Site	Purchase Order/Charge Code: 300118E520
Project Title: B/2 B/6DURA OCTOBER 2010	Logbook No: HNF-N-506 31 191	Ice Chest No.: N/A
Shipped To (Lab): Waste Sampling & Characterization	Method of Shipment: Government Vehicle	Bill of Lading/Air Bill No.: N/A
Protocol: CERCLA	Priority: 30 Days **PRIORITY**	Offsite Property No.: N/A

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, '93)

SPECIAL INSTRUCTIONS Hold Time — Total Activity Exemption? Yes ☑ No
Site Wide Area Generator Knowledge Information Form applies
The CACH for all analytical work at WSCF is 401922
Please report all TICs

Sample No	Filter	*	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B27X24 5	Y	W	11/29/10	1207	1x500-mL G	200.8_HG - ICPMS	28 Days	HNO3 to pH <2
B27X24	Y	W			1x500-mL G/P	200.8_METALS_ICPVS: DURA LIST (10)	6 Months	HNO3 to pH <2
B27X24	Y	W			1x500-mL G/P	6010_METALS_ICP: DURA LIST (29)	6 Months	HNO3 to pH <2
B27X25 8	N	W			1x500-mL G	200.8_HG - ICPMS	28 Days	HNO3 to pH <2
B27X25	N	W			1x500-mL G/P	200.8_METALS_ICPVS: DURA LIST (10)	6 Months	HNO3 to pH <2
B27X25	N	W			1x500-mL G/P	6010_METALS_ICP: DURA LIST (29)	6 Months	HNO3 to pH <2
B27X25	N	W			1x250-mL G/P	2320_ALKALINITY: Alkalinity (1)	14 Days	Cool~4C
B27X25	N	W			1x500-mL G/P	ALPHABETA_GPC: Alpha discrete + Beta (2) ALPHABETA_GPC: Alpha discrete + Beta (2)	6 Months	HNO3 to pH <2
B27X25	N	W			1x1000-mL G/P	AMCMISO_E_PREC_AEA: Am-241 (1)	180 Days	HNO3 to pH <2
B27X25	N	W			1x1-L G/P	Strontium-89,90 – Total Sr	6 Months	HNO3 to pH <2
B27X25	N	W			1x1000-mL G/P	TC99_3MDSK_LSC: Tc-99 (1)	6 Months	HCl to pH <2
B27X25	N	W			1x250-mL G	TRITIUM_EIE_LSC: Tritium (1)	6 Months	None
B27X25	N	W			3x1000-mL aG	TPH-Diesel Range - WTPH-D	14/40 Days	HCl to pH <2 Cool~4C

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
JOSH ARTIZER CHPRC			NOV 29 2010	TA MAZIM			NOV 29 2010
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time

Matrix *
S = Soil; DS = Drum Solid; SD = Sediment; DL = Drum Liquid; SL = Sludge; T = Tissue; SO = Solids; WI = Wipe; W = Water; L = Liquid; OI = Oil; V = Vegetation; A = Air; X = Other

FINAL SAMPLE DISPOSITION: Disposal Method (e.g., Return to customer per sampling procedure, used in process) — Disposed By — Date/Time

A-6004-842 (REV 2)

CHPRC	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	C.O.C. # X11-005-143 Page 1 of 1

Collector JOSHARTZER CHPRC	Contact/Requester Sagro Waters Hostel	Telephone No. 376-4650
SAF No. X11-005	Sampling Origin Hanford Site	Purchase Order/Charge Code 100113FS20
Project Title 812 HaDURA OCTOBER 2010	Logbook No: HNF-N-506 31 191	Ice Chest No. N/A
Shipped To (Lab) Waste Sampling & Characterization	Method of Shipment Government Vehicle	Bill of Lading/Air Bill No N/A
Protocol CPRCLA	Priority: 30 Days PRIORITY	Offsite Property No. N/A

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 (10/05/1993)

SPECIAL INSTRUCTIONS Hold Time — Total Activity Exemption: Yes ✓ No
Site Wide Area Generator Knowledge Information Form applies
The CACS for all analytical work at WSCF is 401477.
Please report all TEF's

Sample No.	Filter	*	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B27X30	Y	W	11/29/10	1358	1x500-mL G	200.8_HG - ICPMS	28 Days	HNO3 to pH <2
B27X30	Y	W			1x500-mL G/P	200.8_METALS_ICPMS: DURA LIST (10)	6 Months	HNO3 to pH <2
B27X30	Y	W			1x500-mL G/P	6010_METALS_ICP: DURA LIST (29)	6 Months	HNO3 to pH <2
B27X31	N	W			1x500-mL G	200.8_HG - ICPMS	28 Days	HNO3 to pH <2
B27X31	N	W			1x500-mL G/P	200.8_METALS_ICPMS: DURA LIST (10)	6 Months	HNO3 to pH <2
B27X31	N	W			1x500-mL G/P	6010_METALS_ICP: DURA LIST (29)	6 Months	HNO3 to pH <2
B27X31	N	W			1x250-mL G/P	2320_ALKALINITY: Alkalinity (1)	14 Days	Cool~4C
B27X31	N	W			1x500-mL G/P	ALPHABETA_GPC: Alpha discrete + Beta (2); ALPHABETA_GPC: Alpha discrete + Beta (2)	6 Months	HNO3 to pH <2
B27X31	N	W			1x1000-mL G/P	AMCMISO_IE_PREC_AEA: Am-241 (1)	180 Days	HNO3 to pH <2
B27X31	N	W			1x1-L G/P	Strontium-89,90 - Total Sr	6 Months	HNO3 to pH <2
B27X31	N	W			1x1000-mL G/P	TC99_3MDSK_LSC: Tc-99 (1)	6 Months	HCl to pH <2
B27X31	N	W			1x250-mL G	TRITIUM_EIE_LSC: Tritium (1)	6 Months	None
B27X31	N	W			3x1000-mL aG	TPH-Diesel Range - WTPH-D	14/40 Days	HCl to pH <2 Cool~4C

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
JOSHARTZER CHPRC			1445 NOV 29 2010	TA FRAZIER			1445 NOV 29 2010
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time

Matrix *: A - Air; W - Water; O - Oil; SL - Sludge; SO - Solid; SE - Sediment; DS - Drum Solid; DL - Drum Liquid; T - Tissue; WI - Wipe; 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

A-6004-842 (REV 2)