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FLUOR

Memorandum

M4W41-SLF-08-643

To: H. Hampt E6-35 Date: June 26, 2008

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

cc: w/Attachments

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

Subject: FINAL RESULTS FOR SAMPLE DELIVERY GROUP WSCF20080847 – SAF NUMBER F08-066

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

(2) HNF-SD-CD-QAPP-017, Rev. 8, Waste Sampling & Characterization Facility Quality Assurance Plan

This letter contains the following information for sample delivery group WSCF20080847:

- Cover Sheet (Attachment 1)
- Narrative (Attachment 2)
- Issue Resolution Form (Attachment 3)
- Analytical Results (Attachment 4)
- Sample Receipt Information (Attachment 5)
- Sample Record Sheet (Attachment 6)

SLF/grf

Attachments 6

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ATTACHMENT 1

COVER SHEET

Consisting of 2 pages
Including cover page

WSCF SAF NUMBER CROSS REFERENCE

Group#: WSCF20080847
Data Deliverable Date: 12-jun-2008
Data Deliverable: Cover Sheet

SAF#	Sample ID	WSCF#	Matrix
F08-066	B1TFD7	W08GR01085	SOIL
	B1TFD9	W08GR01079	SOIL
	B1TFF0	W08GR01076	SOIL
	B1TFF2	W08GR01075	SOIL
	B1TFF3	W08GR01084	SOIL
	B1TFF5	W08GR01078	SOIL
	B1TFF6	W08GR01086	SOIL
	B1TFF8	W08GR01080	SOIL
	B1TFF9	W08GR01087	SOIL
	B1TFH1	W08GR01082	SOIL

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ATTACHMENT 2

NARRATIVE

Consisting of 4 pages
Including cover page

Introduction

Fifteen (15) S&GRP samples were received at the WSCF Laboratory on April 28, 2008. With the exception of conductivity testing, ten of the samples were analyzed for the analytes indicated on the attached copy of the chain of custody (COC) form in accordance with the *Groundwater Remediation Program – Letter of Instruction*, referenced in the cover letter. VOA analysis of the Methanol Blank and associated high VOA concentration samples was not required.

The narrative (Attachment 2) will address sample characteristics, analyses requested and general information in performance of the analytical methods. A copy of Issue Resolution Form #08-048, documenting cancellation of conductivity testing (specific conductance) is included as Attachment 3. A Data Summary Report (Attachment 4) includes analytical results, a comment report detailing method abnormalities, tentatively identified peaks if applicable, method references, and Laboratory QC information as applicable. Copies of the chain of custody and sample receipt documentation are included as Attachment 5. Additionally, copies of the sample record sheets are included as Attachment 6.

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

Analytical Methodology for Requested Analyses

Refer to *WSCF Method References Report,* pages 17 through 19, for a complete listing of approved analytical methods.

Inorganic Comments

Anions – Hold time requirements for this analysis were met. A Duplicate, Matrix Spike, Matrix Spike Duplicate, Blank and Laboratory Control Sample were analyzed with this delivery group per GRP Letter of Instruction. See pages 25 through 26 for QC details. Analytical Note(s):

- Duplicate, Matrix Spike and Matrix Spike Duplicate were analyzed on sample# B1TFP4 (SDG# 20080882, SAF# F08-031)
- Samples were D flagged if dilution(s) were required.
- Sample results that were less than the reportable limit, however greater than the method detection limit were B flagged.
- Nitrate-N – Duplicate Relative Percent Difference (RPD) exceeded established laboratory limits. No flags issued.

All other QC controls are within the established limits.

Conductivity – Copy of IRF # 08-048, documenting cancellation of analysis is included as Attachment 3.

ICP-MS Metals – The hold time requirements for this analysis were met. A Matrix Spike, Matrix Spike Duplicate, Blank and Laboratory Control Sample were analyzed with this delivery group per the GRP Letter of Instruction. See pages 27 through 29 for QC details. Analytical Note(s):

- Matrix Spikes and Matrix Spike Duplicates were analyzed on samples B1V261 (SDG# 20080786, SAF# F08-046) and B1TTM7 (SDG# 20080787, SAF# F07-026).
- Barium (B1V261) – Spike RPD slightly exceeded established laboratory limits. Sample results were X flagged.

All other QC controls are within the established limits.

pH – Duplicate QC was analyzed with this delivery group per the GRP Letter of Instruction. See page 30 for QC details.

All QC controls are within the established limits.

Organic Comments

All samples are corrected for moisture and reported on a dry weight basis.

PCB – The hold time requirement for this analysis was met. A Matrix Spike, Matrix Spike Duplicate, Blank and Laboratory Control Sample were analyzed with this delivery group per the GRP Letter of Instruction. See pages 53 through 54 for QC details. Analytical Note(s):

- Matrix Spike and Matrix Spike Duplicate were analyzed on sample# B1TDF2 (SDG# 20080801, SAF# F08-043).

All QC controls are within the established limits.

Semi-VOA – The hold time requirement for this analysis was met. A Matrix Spike, Matrix Spike Duplicate, Blank and Laboratory Control Sample were analyzed with this delivery group per the GPP Letter of Instruction. See pages 55 through 59 for QC details. Analytical Note(s):

- Matrix Spike and Matrix Spike Duplicate were analyzed on sample# B1V2L5 (SDG# 20080801, SAF# F08-043).

All QC controls are within the established limits.

TPHD-WA – The hold time requirement for this analysis was met. A Matrix Spike, Matrix Spike Duplicate, Blank and Laboratory Control Sample were analyzed with this delivery group. See pages 60 through 61 for QC details. Analytical Note(s):

- Matrix Spike and Matrix Spike Duplicate were analyzed on sample# B1TFC6 (SDG# 20080813, SAF# F08-066).

All QC controls are within the established limits.

VOA – The hold time requirement for this analysis was met. A Matrix Spike, Matrix Spike Duplicate, Blank and Laboratory Control Sample, were analyzed with this delivery group per the GRP Letter of Instruction. See pages 62 through 65 for QC details. Analytical Note(s):

- VOA analysis of the Methanol Blanks (B1TFF1, B1TFF4, B1TFF7, B1TFD8 and B1TFH0) and associated high VOA concentration samples was not required.

All QC controls are within the established limits.

Radiochemistry Comments

Rad Chem – There are no hold times associated with WSCF's radiochemical methods. A Duplicate, Matrix Spike, Matrix Spike Duplicate, Blank and Laboratory Control Sample were analyzed with this delivery group. See pages 81 through 92 for QC details. Analytical Note(s):

- Strontium-89/90 and 85 (tracer) – Duplicates were analyzed on samples B1TFN9 (SDG# 20080882, SAF# F08-031) and B1TFF2 of this SDG.

- Uranium-233/234 and 235 (B1TFF2) – Duplicate Relative Percent Differences (RPDs) exceeded established laboratory limits. No flags issued.

- Uranium-232 (tracer) – Surrogate recovery was less than established laboratory limits. No flags issued.

All other QC controls are within the established limits.

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

Scot L. Fitzgerald
WSCF Analytical Laboratory Manager

Pauline D. Mix
WSCF Client Services

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ATTACHMENT 3

ISSUE RESOLUTION FORM

Consisting of 2 pages
Including cover page

ISSUE RESOLUTION FORM

PNNL TRACKING NUMBER: 08-048

Date : SAF No. **see below (soil matrix)**

SDG: **see below** LOGIN No.: TEST: Conductivity (COND)

Sample No.(s)			
	B1V2L5 (W08GR01038)	**WSCF20080801**	**F08-043**
	B1TFD2 (W08GR01066)	**WSCF20080830**	**F08-066**
	B1TFF2 (W08GR01075)	**WSCF20080847**	**F08-066**
	B1TFF5 (W08GR01078)	**WSCF20080847**	**F08-066**
	B1TFD9 (W08GR01079)	**WSCF20080847**	**F08-066**
	B1TFF8 (W08GR01080)	**WSCF20080847**	**F08-066**
	B1TFH1 (W08GR01082)	**WSCF20080847**	**F08-066**
	B1VB30 (W08GR01097)	**WSCF20080850**	**F08-043**

Submitted By:	PD Mix	Submitted To:	H Hampt
Phone No.	372-1488	Phone No.	376-4319
Fax No.	372-0456	Fax No	

ISSUE	**PROPOSED RESOLUTION**
Although conductivity has been requested for the GRP samples identified above; the WSCF Laboratory is not able to perform Conductivity testing on soil samples at this time.	Proposed resolution is to cancel requests for conductivity on GRP soil samples submitted to the WSCF Laboratory.

GRP COMMENTS

Accept proposed resolution.

Heidi Hampt 4/29/08

Signature and Date

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ATTACHMENT 4

ANALYTICAL RESULTS

Consisting of 84 pages
Including cover page

WSCF
ANALYTICAL RESULTS REPORT

for

Groundwater Remediation Program

Richland, WA 99354

Attention: Steve Trent

Analytical: ADRICS 626.08

Client Services: CWL P. D. Mix 6/25/2008

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

Contract#: FH-EIS-2003-MEM-001
Report#: WSCF20080847
Report Date: 25-jun-2008
Report WGPP/ver. 5.2
Groundwater Remediation Program

w13qlog v4.2 25-jun-2008 12:45:21

Department: Inorganic

W13q Worklist/Batch/QC Report for Group# WSCF20080847

WL#	S#	Batch	QC#	Tray Type	Sample#	Test
				SAMPLE	W08GR01075	Percent Solids
				SAMPLE	W08GR01078	Percent Solids
				SAMPLE	W08GR01079	Percent Solids
				SAMPLE	W08GR01080	Percent Solids
				SAMPLE	W08GR01082	Percent Solids
36177	1	36594	40927	BLANK		ICP-200.8 MS All possible meta
36177	2	36594	40927	LCS		ICP-200.8 MS All possible meta
36177	4	36594	40927	MS	W08GR01020	ICP-200.8 MS All possible meta
36177	5	36594	40927	MSD	W08GR01020	ICP-200.8 MS All possible meta
36177	5	36594	40927	SPK-RPD	W08GR01020	ICP-200.8 MS All possible meta
36177	7	36594	40927	MS	W08GR01023	ICP-200.8 MS All possible meta
36177	8	36594	40927	MSD	W08GR01023	ICP-200.8 MS All possible meta
36177	8	36594	40927	SPK-RPD	W08GR01023	ICP-200.8 MS All possible meta
36177	16	36594	40927	SAMPLE	W08GR01075	ICP-200.8 MS All possible meta
36177	17	36594	40927	SAMPLE	W08GR01078	ICP-200.8 MS All possible meta
36177	18	36594	40927	SAMPLE	W08GR01079	ICP-200.8 MS All possible meta
36177	19	36594	40927	SAMPLE	W08GR01080	ICP-200.8 MS All possible meta
36177	20	36594	40927	SAMPLE	W08GR01082	ICP-200.8 MS All possible meta
			40998	DUP	W08GR01075	pH Soil and Waste Measurement
			40998	SAMPLE	W08GR01075	pH Soil and Waste Measurement
			40998	SAMPLE	W08GR01078	pH Soil and Waste Measurement
			40998	SAMPLE	W08GR01079	pH Soil and Waste Measurement
			40998	SAMPLE	W08GR01080	pH Soil and Waste Measurement
			40998	SAMPLE	W08GR01082	pH Soil and Waste Measurement
36438	2	36852	41194	BLANK		Anions by Ion Chromatography
36438	16	36852	41194	BLANK		Anions by Ion Chromatography
36438	3	36852	41194	LCS		Anions by Ion Chromatography
36438	8	36852	41194	SAMPLE	W08GR01075	Anions by Ion Chromatography
36438	9	36852	41194	SAMPLE	W08GR01078	Anions by Ion Chromatography
36438	10	36852	41194	SAMPLE	W08GR01079	Anions by Ion Chromatography
36438	11	36852	41194	SAMPLE	W08GR01080	Anions by Ion Chromatography
36438	12	36852	41194	SAMPLE	W08GR01082	Anions by Ion Chromatography
36438	5	36852	41194	DUP	W08GR01134	Anions by Ion Chromatography
36438	6	36852	41194	MS	W08GR01134	Anions by Ion Chromatography
36438	7	36852	41194	MSD	W08GR01134	Anions by Ion Chromatography
36438	7	36852	41194	SPK-RPD	W08GR01134	Anions by Ion Chromatography

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Department: Organic

W13q Worklist/Batch/QC Report for Group# WSCF20080847

WL#	S#	Batch	QC#	Tray Type	Sample#	Test
			40959	BLANK		NWTPH-D TPH Diesel Range (Wa)
			40959	LCS		NWTPH-D TPH Diesel Range (Wa)
			40959	MS	W08GR01053	NWTPH-D TPH Diesel Range (Wa)
			40959	MSD	W08GR01053	NWTPH-D TPH Diesel Range (Wa)
			40959	SPK-RPD	W08GR01053	NWTPH-D TPH Diesel Range (Wa)
			40959	SAMPLE	W08GR01075	NWTPH-D TPH Diesel Range (Wa)
			40959	SURR	W08GR01075	NWTPH-D TPH Diesel Range (Wa)
			40959	SAMPLE	W08GR01078	NWTPH-D TPH Diesel Range (Wa)
			40959	SURR	W08GR01078	NWTPH-D TPH Diesel Range (Wa)
			40959	SAMPLE	W08GR01079	NWTPH-D TPH Diesel Range (Wa)
			40959	SURR	W08GR01079	NWTPH-D TPH Diesel Range (Wa)
			40959	SAMPLE	W08GR01080	NWTPH-D TPH Diesel Range (Wa)
			40959	SURR	W08GR01080	NWTPH-D TPH Diesel Range (Wa)
			40959	SAMPLE	W08GR01082	NWTPH-D TPH Diesel Range (Wa)
			40959	SURR	W08GR01082	NWTPH-D TPH Diesel Range (Wa)
			40961	BLANK		PCBs complete list
			40961	LCS		PCBs complete list
			40961	MS	W08GR01033	PCBs complete list
			40961	MSD	W08GR01033	PCBs complete list
			40961	SPK-RPD	W08GR01033	PCBs complete list
			40961	SAMPLE	W08GR01075	PCBs complete list
			40961	SURR	W08GR01075	PCBs complete list
			40961	SAMPLE	W08GR01078	PCBs complete list
			40961	SURR	W08GR01078	PCBs complete list
			40961	SAMPLE	W08GR01079	PCBs complete list
			40961	SURR	W08GR01079	PCBs complete list
			40961	SAMPLE	W08GR01080	PCBs complete list
			40961	SURR	W08GR01080	PCBs complete list
			40961	SAMPLE	W08GR01082	PCBs complete list
			40961	SURR	W08GR01082	PCBs complete list
			40965	BLANK		SW-846 8270C Semi-Vols
			40965	LCS		SW-846 8270C Semi-Vols
			40965	MS	W08GR01038	SW-846 8270C Semi-Vols
			40965	MSD	W08GR01038	SW-846 8270C Semi-Vols
			40965	SPK-RPD	W08GR01038	SW-846 8270C Semi-Vols
			40965	SAMPLE	W08GR01075	SW-846 8270C Semi-Vols
			40965	SURR	W08GR01075	SW-846 8270C Semi-Vols
			40965	SAMPLE	W08GR01078	SW-846 8270C Semi-Vols
			40965	SURR	W08GR01078	SW-846 8270C Semi-Vols
			40965	SAMPLE	W08GR01079	SW-846 8270C Semi-Vols
			40965	SURR	W08GR01079	SW-846 8270C Semi-Vols
			40965	SAMPLE	W08GR01080	SW-846 8270C Semi-Vols
			40965	SURR	W08GR01080	SW-846 8270C Semi-Vols
			40965	SAMPLE	W08GR01082	SW-846 8270C Semi-Vols
			40965	SURR	W08GR01082	SW-846 8270C Semi-Vols
			41214	BLANK		VOA Ground Water Protection
			41214	LCS		VOA Ground Water Protection
			41214	MS	W08GR01076	VOA Ground Water Protection
			41214	MSD	W08GR01076	VOA Ground Water Protection

41214	SAMPLE	W08GR01076	VOA Ground Water Protection
41214	SPK-RPD	W08GR01076	VOA Ground Water Protection
41214	SURR	W08GR01076	VOA Ground Water Protection
41214	SAMPLE	W08GR01084	VOA Ground Water Protection
41214	SURR	W08GR01084	VOA Ground Water Protection
41214	SAMPLE	W08GR01085	VOA Ground Water Protection
41214	SURR	W08GR01085	VOA Ground Water Protection
41214	SAMPLE	W08GR01086	VOA Ground Water Protection
41214	SURR	W08GR01086	VOA Ground Water Protection
41214	SAMPLE	W08GR01087	VOA Ground Water Protection
41214	SURR	W08GR01087	VOA Ground Water Protection

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Department: Radiochemistry

W13q Worklist/Batch/QC Report for Group# WSCF20080847

WL#	S#	Batch	QC#	Tray Type	Sample#	Test
36168	1	36585	41090	BLANK		Gamma Energy Analysis-grd H2O
36168	2	36585	41090	LCS		Gamma Energy Analysis-grd H2O
36168	3	36585	41090	DUP	W08GR01075	Gamma Energy Analysis-grd H2O
36168	4	36585	41090	SAMPLE	W08GR01075	Gamma Energy Analysis-grd H2O
36168	5	36585	41090	SAMPLE	W08GR01078	Gamma Energy Analysis-grd H2O
36168	6	36585	41090	SAMPLE	W08GR01079	Gamma Energy Analysis-grd H2O
36168	7	36585	41090	SAMPLE	W08GR01080	Gamma Energy Analysis-grd H2O
36189	1	36606	41108	BLANK		Strontium 89/90
36189	2	36606	41108	LCS		Strontium 89/90
36189	3	36606	41108	DUP	W08GR01075	Strontium 89/90
36189	4	36606	41108	SAMPLE	W08GR01075	Strontium 89/90
36189	5	36606	41108	SURR	W08GR01075	Strontium 89/90
36189	6	36606	41108	SAMPLE	W08GR01078	Strontium 89/90
36189	7	36606	41108	SURR	W08GR01078	Strontium 89/90
36189	8	36606	41108	SAMPLE	W08GR01080	Strontium 89/90
36189	9	36606	41108	SURR	W08GR01080	Strontium 89/90
36189	10	36606	41108	SAMPLE	W08GR01082	Strontium 89/90
36189	11	36606	41108	SURR	W08GR01082	Strontium 89/90
36226	1	36642	41111	BLANK		Strontium 89/90
36226	2	36642	41111	LCS		Strontium 89/90
36226	12	36642	41111	SAMPLE	W08GR01079	Strontium 89/90
36226	13	36642	41111	SURR	W08GR01079	Strontium 89/90
36226	3	36642	41111	DUP	W08GR01131	Strontium 89/90
36383	1	36798	41156	BLANK		Uranium Isotopics by AEA
36383	2	36798	41156	LCS		Uranium Isotopics by AEA
36383	3	36798	41156	DUP	W08GR01075	Uranium Isotopics by AEA
36383	10	36798	41156	SAMPLE	W08GR01075	Uranium Isotopics by AEA
36383	11	36798	41156	SURR	W08GR01075	Uranium Isotopics by AEA
36383	12	36798	41156	SAMPLE	W08GR01078	Uranium Isotopics by AEA
36383	13	36798	41156	SURR	W08GR01078	Uranium Isotopics by AEA
36383	14	36798	41156	SAMPLE	W08GR01079	Uranium Isotopics by AEA
36383	15	36798	41156	SURR	W08GR01079	Uranium Isotopics by AEA
36171	1	36588	41160	BLANK		Gamma Energy Analysis-grd H2O
36171	2	36588	41160	LCS		Gamma Energy Analysis-grd H2O
36171	3	36588	41160	DUP	W08GR01082	Gamma Energy Analysis-grd H2O
36171	4	36588	41160	SAMPLE	W08GR01082	Gamma Energy Analysis-grd H2O
36381	1	36796	41226	BLANK		Plutonium Isotopics by AEA
36381	2	36796	41226	LCS		Plutonium Isotopics by AEA
36381	3	36796	41226	DUP	W08GR01075	Plutonium Isotopics by AEA
36381	10	36796	41226	SAMPLE	W08GR01075	Plutonium Isotopics by AEA
36381	11	36796	41226	SURR	W08GR01075	Plutonium Isotopics by AEA
36381	12	36796	41226	SAMPLE	W08GR01078	Plutonium Isotopics by AEA
36381	13	36796	41226	SURR	W08GR01078	Plutonium Isotopics by AEA
36381	14	36796	41226	SAMPLE	W08GR01079	Plutonium Isotopics by AEA
36381	15	36796	41226	SURR	W08GR01079	Plutonium Isotopics by AEA
36553	1	36985	41332	BLANK		Americium by AEA

36553	2	36985	41332	LCS		Americium by AEA
36553	3	36985	41332	DUP	W08GR01075	Americium by AEA
36553	4	36985	41332	SAMPLE	W08GR01075	Americium by AEA
36553	5	36985	41332	SURR	W08GR01075	Americium by AEA
36553	6	36985	41332	SAMPLE	W08GR01078	Americium by AEA
36553	7	36985	41332	SURR	W08GR01078	Americium by AEA
36553	8	36985	41332	SAMPLE	W08GR01079	Americium by AEA
36553	9	36985	41332	SURR	W08GR01079	Americium by AEA
36554	1	36970	41364	BLANK		Neptunium by AEA
36554	2	36970	41364	LCS		Neptunium by AEA
36554	3	36970	41364	DUP	W08GR01075	Neptunium by AEA
36554	5	36970	41364	MS	W08GR01075	Neptunium by AEA
36554	6	36970	41364	MSD	W08GR01075	Neptunium by AEA
36554	4	36970	41364	SAMPLE	W08GR01075	Neptunium by AEA
36554	6	36970	41364	SPK-RPD	W08GR01075	Neptunium by AEA
36554	8	36970	41364	MS	W08GR01078	Neptunium by AEA
36554	7	36970	41364	SAMPLE	W08GR01078	Neptunium by AEA
36554	10	36970	41364	MS	W08GR01079	Neptunium by AEA
36554	9	36970	41364	SAMPLE	W08GR01079	Neptunium by AEA
36665	1	37081	41442	BLANK		Americium by AEA
36665	2	37081	41442	LCS		Americium by AEA
36665	3	37081	41442	DUP	W08GR01080	Americium by AEA
36665	4	37081	41442	SAMPLE	W08GR01080	Americium by AEA
36665	5	37081	41442	SURR	W08GR01080	Americium by AEA
36665	6	37081	41442	SAMPLE	W08GR01082	Americium by AEA
36665	7	37081	41442	SURR	W08GR01082	Americium by AEA
36664	1	37080	41443	BLANK		Plutonium Isotopics by AEA
36664	2	37080	41443	LCS		Plutonium Isotopics by AEA
36664	3	37080	41443	DUP	W08GR01080	Plutonium Isotopics by AEA
36664	4	37080	41443	SAMPLE	W08GR01080	Plutonium Isotopics by AEA
36664	5	37080	41443	SURR	W08GR01080	Plutonium Isotopics by AEA
36664	6	37080	41443	SAMPLE	W08GR01082	Plutonium Isotopics by AEA
36664	7	37080	41443	SURR	W08GR01082	Plutonium Isotopics by AEA
36625	1	37044	41491	BLANK		Neptunium by AEA
36625	2	37044	41491	LCS		Neptunium by AEA
36625	3	37044	41491	DUP	W08GR01080	Neptunium by AEA
36625	5	37044	41491	MS	W08GR01080	Neptunium by AEA
36625	6	37044	41491	MSD	W08GR01080	Neptunium by AEA
36625	4	37044	41491	SAMPLE	W08GR01080	Neptunium by AEA
36625	6	37044	41491	SPK-RPD	W08GR01080	Neptunium by AEA
36625	8	37044	41491	MS	W08GR01082	Neptunium by AEA
36625	7	37044	41491	SAMPLE	W08GR01082	Neptunium by AEA
36625	10	37044	41491	MS	W08GR01097	Neptunium by AEA
36807	1	37226	41589	BLANK		Uranium Isotopics by AEA
36807	2	37226	41589	LCS		Uranium Isotopics by AEA
36807	3	37226	41589	DUP	W08GR01080	Uranium Isotopics by AEA
36807	4	37226	41589	SAMPLE	W08GR01080	Uranium Isotopics by AEA
36807	5	37226	41589	SURR	W08GR01080	Uranium Isotopics by AEA
36807	6	37226	41589	SAMPLE	W08GR01082	Uranium Isotopics by AEA
36807	7	37226	41589	SURR	W08GR01082	Uranium Isotopics by AEA

WSCF
METHOD REFERENCES REPORT

Department: Inorganic

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

LA-212-411	Determination of Soil pH Measurement	
	EPA SW-846 9045D	SOIL AND WASTE pH
	HEIS 150.1_PH	pH
LA-505-412	LA-505-412: DETERMINATION OF TRACE ELEMENTS IN WATERS AND WASTES BY INDUCTIVELY	
	EPA-600/R-94-111 200.8	DETERMINATION OF TRACE ELEMENTS IN WATERS AND WASTES BY INDUCTIVELY COUPLED PLAS
	HEIS 200.8_METALS_ICPMS	Inductively Coupled Plasma - Mass Spectrometry
	HEIS RADISOTOPES_ICPMS	Radioisotopes by ICP/MS
LA-519-412	LA-519-412: TOTAL RESIDUE/% SOLIDS DRIED AT 103 - 105 C	
	EPA-600/4-79-020 160.1	Resisual, Filterable
	EPA-600/4-79-020 160.3	RESIDUE, TOTAL
	HEIS 160.1_TDS	Residual, Filterable
	Standard Methods 2540B	Total Solids Dried at 103-105 C
LA-533-410	LA-533-410: ANION ANALYSIS BY ION CHROMATOGRAPHY	
	EPA-600/R-94-111 300.0	DETERMINATION OF INORGANIC ANIONS BY ION CHROMATOGRAPHY
	HEIS 300.0_ANIONS_IC	Determination of Inorganic Anions by Ion Chromatography

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

WSCF
METHOD REFERENCES REPORT

Department: Organic

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

LA-523-427	LA-523-427: POLYCHLORINATED BIPHENYLS (PCBs) BY GAS CHROMATOGRAPHY	
	EPA SW-846 3510C	SEPARATORY FUNNEL LIQUID-LIQUID EXTRACTION
	EPA SW-846 3545	PRESSURIZED FLUID EXTRACTION (PFE)
	EPA SW-846 3665A	SULFURIC ACID/PERMANGANATE CLEANUP
	EPA SW-846 8000B	DETERMINATIVE CHROMATOGRAPHIC SEPARATIONS
	EPA SW-846 8082A	POLYCHLORINATED BIPHENYLS (PCBs) BY GAS CHROMATOGRAPHY
	HEIS 8082_PCB_GC	Polychlorinated Biphenyls (PCBs) by Gas Chromatography
LA-523-455	LA-523-455: VOLATILE SAMPLE ANALYSIS BY SW-846	
	EPA SW-846 8000B	DETERMINATIVE CHROMATOGRAPHIC SEPARATIONS
	EPA SW-846 8260B	VOLATILE ORGANIC COMPOUNDS BY GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC/MS)
	HEIS 8260_VOA_GCMS	Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)
LA-523-456	LA-523-456: SEMIVOLATILE SAMPLE ANALYSIS BY SW-846, METHOD 8270C	
	EPA SW-846 8000B	DETERMINATIVE CHROMATOGRAPHIC SEPARATIONS
	EPA SW-846 8270C	SEMIVOLATILE ORGANIC COMPOUNDS BY GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC/MS)
	HEIS 8270_SVOA_GCMS	Semivolatile Orgamoc Compounds By Gas Chromatography/Mass Spectrometry (GC/MS)
LA-523-493	NWTPH-Diesel and/or Gasoline	
	HEIS WTPH_DIESEL (HEIS)	Total Petroleum Hydrocarbons in Diesel
	WDOE TPHD	Total Petroleum Hydrocarbons in Diesel

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

WSCF
METHOD REFERENCES REPORT

Department: Radiochemistry

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

LA-508-415	LA-508-415: OPERATION OF THE PROTEAN 2-INCH ALPHA/BETA COUNTING SYSTEM FOR GROSS	
	HEIS ALPHA_GPC	GROSS ALPHA GPC
	HEIS BETA_GPC	GROSS BETA GPC
	HEIS SRTOT_SEP_PRECIP_GPC	Strontium 89/90
LA-508-471	LA-508-471: ALPHA ENERGY ANALYZER DATA ACQUISITION AND SYSTEM CHECKOUT USING ALP	
	HEIS PUISO_IE_PRECIP_AEA	Plutonium by Alpha Energy Analysis
	HEIS RAISO_AEA	Radium-226
LA-508-481	LA-508-481: GAMMA ENERGY ANALYSIS USING PROCOUNT SOFTWARE	
	HEIS GAMMA_GS	Gamma Emmision Spectrometry

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

WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent
SAF Number: F08-066
Sample # W08GR01075
Client ID: B1TFF2 GPP TRENT WSCF
Matrix: SOIL

Group #: WSCF20080847
Department: Inorganic
Sampled: 04/17/08
Received: 04/28/08

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
Anions by Ion Chromatography Prep											**05/22/08**
Anions by Ion Chromatography											
Fluoride	16984-48-8	LA-533-410	DU	< 0.300	mg/kg			50.00	0.30		05/22/08
Nitrogen in Nitrite	NO2-N	LA-533-410	DU	< 0.500	mg/kg			50.00	0.50		05/22/08
Nitrogen in Nitrate	NO3-N	LA-533-410	BD	1.53	mg/kg			50.00	0.25		05/22/08
Sulfate	14808-79-8	LA-533-410	BD	8.47	mg/kg			50.00	3.5		05/22/08
ICP-200.8 MS All possible meta Prep											**04/30/08**
ICP-200.8 MS All possible meta											
Nickel	7440-02-0	LA-505-412		9.54	mg/kg			0.98	0.197		05/01/08
Silver	7440-22-4	LA-505-412	U	< 0.0985	mg/kg			0.98	0.0985		05/01/08
Barium	7440-39-3	LA-505-412	X	80.2	mg/kg			0.98	0.197		05/01/08
Beryllium	7440-41-7	LA-505-412		0.280	mg/kg			0.98	0.0492		05/01/08
Cadmium	7440-43-9	LA-505-412		0.100	mg/kg			0.98	0.0985		05/01/08
Chromium	7440-47-3	LA-505-412		6.38	mg/kg			0.98	0.492		05/01/08
Copper	7440-50-8	LA-505-412		13.2	mg/kg			0.98	0.0985		05/01/08
Zinc	7440-66-6	LA-505-412		33.3	mg/kg			0.98	0.788		05/01/08
Lead	7439-92-1	LA-505-412		2.92	mg/kg			0.98	0.0985		05/01/08
Mercury	7439-97-6	LA-505-412	U	< 0.0492	mg/kg			0.98	0.0492		05/01/08
Arsenic	7440-38-2	LA-505-412		2.03	mg/kg			0.98	0.394		05/01/08
Selenium	7782-49-2	LA-505-412	U	< 0.296	mg/kg			0.98	0.296		05/01/08
Total solids											
Total solids	TS	LA-519-412		97.2	Percent			1.00	0.0		04/30/08
pH Measurement											
pH Measurement	PH	LA-212-411		9.08	unitless			1.00	0.010		05/08/08

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

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

D - Analyte was identified at a secondary dilution factor
U - Analyzed for but not detected above limiting criteria.
X - Other flags/notes described in the comments/narrative(inorg)

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

WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent
SAF Number: F08-066
Sample # W08GR01078
Client ID: B1TFF5 GPP TRENT WSCF
Matrix: SOIL

Group #: WSCF20080847
Department: Inorganic
Sampled: 04/21/08
Received: 04/28/08

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
Anions by Ion Chromatography Prep											**05/22/08**
Anions by Ion Chromatography											
Fluoride	16984-48-8	LA-533-410	DU	< 0.294	mg/kg			49.00	0.29		05/22/08
Nitrogen in Nitrite	NO2-N	LA-533-410	DU	< 0.490	mg/kg			49.00	0.49		05/22/08
Nitrogen in Nitrate	NO3-N	LA-533-410	BD	1.69	mg/kg			49.00	0.24		05/22/08
Sulfate	14808-79-8	LA-533-410	BD	5.26	mg/kg			49.00	3.4		05/22/08
ICP-200.8 MS All possible meta Prep											**04/30/08**
ICP-200.8 MS All possible meta											
Nickel	7440-02-0	LA-505-412		10.1	mg/kg			1.00	0.200		05/01/08
Silver	7440-22-4	LA-505-412	U	< 0.100	mg/kg			1.00	0.100		05/01/08
Barium	7440-39-3	LA-505-412	X	73.9	mg/kg			1.00	0.200		05/01/08
Beryllium	7440-41-7	LA-505-412		0.240	mg/kg			1.00	0.0501		05/01/08
Cadmium	7440-43-9	LA-505-412	U	< 0.100	mg/kg			1.00	0.100		05/01/08
Chromium	7440-47-3	LA-505-412		10.8	mg/kg			1.00	0.501		05/01/08
Copper	7440-50-8	LA-505-412		8.99	mg/kg			1.00	0.100		05/01/08
Zinc	7440-66-6	LA-505-412		34.0	mg/kg			1.00	0.802		05/01/08
Lead	7439-92-1	LA-505-412		4.57	mg/kg			1.00	0.100		05/01/08
Mercury	7439-97-6	LA-505-412	U	< 0.0501	mg/kg			1.00	0.0501		05/01/08
Arsenic	7440-38-2	LA-505-412		3.83	mg/kg			1.00	0.401		05/01/08
Selenium	7782-49-2	LA-505-412	U	< 0.301	mg/kg			1.00	0.301		05/01/08
Total solids											
Total solids	TS	LA-519-412		96.8	Percent			1.00	0.0		04/30/08
pH Measurement											
pH Measurement	PH	LA-212-411		9.03	unitless			1.00	0.010		05/08/08

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

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

D - Analyte was identified at a secondary dilution factor
U - Analyzed for but not detected above limiting criteria.
X - Other flags/notes described in the comments/narrative(inorg)

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

WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent
SAF Number: F08-066
Sample # W08GR01079
Client ID: B1TFD9 GPP WSCF TRENT **Matrix:** SOIL

Group #: WSCF20080847
Department: Inorganic
Sampled: 04/17/08
Received: 04/28/08

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
Anions by Ion Chromatography Prep											**05/22/08**
Anions by Ion Chromatography											
Fluoride	16984-48-8	LA-533-410	DU	< 0.294	mg/kg			49.00	0.29		05/22/08
Nitrogen in Nitrite	NO2-N	LA-533-410	DU	< 0.490	mg/kg			49.00	0.49		05/22/08
Nitrogen in Nitrate	NO3-N	LA-533-410	BD	2.42	mg/kg			49.00	0.24		05/22/08
Sulfate	14808-79-8	LA-533-410	BD	5.74	mg/kg			49.00	3.4		05/22/08
ICP-200.8 MS All possible meta Prep											**04/30/08**
ICP-200.8 MS All possible meta											
Nickel	7440-02-0	LA-505-412		9.10	mg/kg			0.98	0.196		05/01/08
Silver	7440-22-4	LA-505-412	U	< 0.0981	mg/kg			0.98	0.0981		05/01/08
Barium	7440-39-3	LA-505-412	X	106	mg/kg			0.98	0.196		05/01/08
Beryllium	7440-41-7	LA-505-412		0.320	mg/kg			0.98	0.0490		05/01/08
Cadmium	7440-43-9	LA-505-412	U	< 0.0981	mg/kg			0.98	0.0981		05/01/08
Chromium	7440-47-3	LA-505-412		7.88	mg/kg			0.98	0.490		05/01/08
Copper	7440-50-8	LA-505-412		11.0	mg/kg			0.98	0.0981		05/01/08
Zinc	7440-66-6	LA-505-412		37.6	mg/kg			0.98	0.784		05/01/08
Lead	7439-92-1	LA-505-412		4.22	mg/kg			0.98	0.0981		05/01/08
Mercury	7439-97-6	LA-505-412	U	< 0.0490	mg/kg			0.98	0.0490		05/01/08
Arsenic	7440-38-2	LA-505-412		2.53	mg/kg			0.98	0.392		05/01/08
Selenium	7782-49-2	LA-505-412	U	< 0.294	mg/kg			0.98	0.294		05/01/08
Total solids											
Total solids	TS	LA-519-412		92.9	Percent			1.00	0.0		04/30/08
pH Measurement											
pH Measurement	PH	LA-212-411		8.86	unitless			1.00	0.010		05/08/08

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

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

D - Analyte was identified at a secondary dilution factor
U - Analyzed for but not detected above limiting criteria.
X - Other flags/notes described in the comments/narrative(inorg)

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

WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent
SAF Number: F08-066
Sample # W08GR01080
Client ID: B1TFF8 GPP TRENT WSCF
Matrix: SOIL

Group #: WSCF20080847
Department: Inorganic
Sampled: 04/22/08
Received: 04/28/08

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
Anions by Ion Chromatography Prep											**05/22/08**
Anions by Ion Chromatography											
Fluoride	16984-48-8	LA-533-410	DU	< 0.300	mg/kg			50.00	0.30		05/22/08
Nitrogen in Nitrite	NO2-N	LA-533-410	DU	< 0.500	mg/kg			50.00	0.50		05/22/08
Nitrogen in Nitrate	NO3-N	LA-533-410	BD	2.44	mg/kg			50.00	0.25		05/22/08
Sulfate	14808-79-8	LA-533-410	BD	5.43	mg/kg			50.00	3.5		05/22/08
ICP-200.8 MS All possible meta Prep											**04/30/08**
ICP-200.8 MS All possible meta											
Nickel	7440-02-0	LA-505-412		11.5	mg/kg			0.80	0.160		05/01/08
Silver	7440-22-4	LA-505-412	U	< 0.0800	mg/kg			0.80	0.0800		05/01/08
Barium	7440-39-3	LA-505-412	X	80.3	mg/kg			0.80	0.160		05/01/08
Beryllium	7440-41-7	LA-505-412		0.270	mg/kg			0.80	0.0400		05/01/08
Cadmium	7440-43-9	LA-505-412		0.0800	mg/kg			0.80	0.0800		05/01/08
Chromium	7440-47-3	LA-505-412		12.1	mg/kg			0.80	0.400		05/01/08
Copper	7440-50-8	LA-505-412		9.93	mg/kg			0.80	0.0800		05/01/08
Zinc	7440-66-6	LA-505-412		34.6	mg/kg			0.80	0.640		05/01/08
Lead	7439-92-1	LA-505-412		5.30	mg/kg			0.80	0.0800		05/01/08
Mercury	7439-97-6	LA-505-412	U	< 0.0400	mg/kg			0.80	0.0400		05/01/08
Arsenic	7440-38-2	LA-505-412		3.80	mg/kg			0.80	0.320		05/01/08
Selenium	7782-49-2	LA-505-412	U	< 0.240	mg/kg			0.80	0.240		05/01/08
Total solids											
Total solids	TS	LA-519-412		95.3	Percent			1.00	0.0		04/30/08
pH Measurement											
pH Measurement	PH	LA-212-411		8.73	unitless			1.00	0.010		05/08/08

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

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

D - Analyte was identified at a secondary dilution factor
U - Analyzed for but not detected above limiting criteria.
X - Other flags/notes described in the comments/narrative(inorg)

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WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent
SAF Number: F08-066
Sample # W08GR01082
Client ID: B1TFH1 GPP WSCF TRENT **Matrix:** SOIL

Group #: WSCF20080847
Department: Inorganic
Sampled: 04/23/08
Received: 04/28/08

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
Anions by Ion Chromatography Prep											**05/22/08**
Anions by Ion Chromatography											
Fluoride	16984-48-8	LA-533-410	DU	< 0.300	mg/kg			50.00	0.30		05/22/08
Nitrogen in Nitrite	NO2-N	LA-533-410	DU	< 0.500	mg/kg			50.00	0.50		05/22/08
Nitrogen in Nitrate	NO3-N	LA-533-410	BD	0.688	mg/kg			50.00	0.25		05/22/08
Sulfate	14808-79-8	LA-533-410	DU	< 3.50	mg/kg			50.00	3.5		05/22/08
ICP-200.8 MS All possible meta Prep											**04/30/08**
ICP-200.8 MS All possible meta											
Nickel	7440-02-0	LA-505-412		11.1	mg/kg			1.00	0.200		05/01/08
Silver	7440-22-4	LA-505-412	U	< 0.0999	mg/kg			1.00	0.0999		05/01/08
Barium	7440-39-3	LA-505-412	X	87.5	mg/kg			1.00	0.200		05/01/08
Beryllium	7440-41-7	LA-505-412		0.290	mg/kg			1.00	0.0500		05/01/08
Cadmium	7440-43-9	LA-505-412	U	< 0.0999	mg/kg			1.00	0.0999		05/01/08
Chromium	7440-47-3	LA-505-412		12.0	mg/kg			1.00	0.500		05/01/08
Copper	7440-50-8	LA-505-412		10.6	mg/kg			1.00	0.0999		05/01/08
Zinc	7440-66-6	LA-505-412		36.9	mg/kg			1.00	0.799		05/01/08
Lead	7439-92-1	LA-505-412		5.55	mg/kg			1.00	0.0999		05/01/08
Mercury	7439-97-6	LA-505-412	U	< 0.0500	mg/kg			1.00	0.0500		05/01/08
Arsenic	7440-38-2	LA-505-412		3.93	mg/kg			1.00	0.400		05/01/08
Selenium	7782-49-2	LA-505-412	U	< 0.300	mg/kg			1.00	0.300		05/01/08
Total solids											
Total solids	TS	LA-519-412		94.3	Percent			1.00	0.0		04/30/08
pH Measurement											
pH Measurement	PH	LA-212-411		8.90	unitless			1.00	0.010		05/08/08

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

B - The analyte < the RDL but > = the IDL/MDL (inorg)
U - Analyzed for but not detected above limiting criteria(inorg)
U - Analyzed for but not detected above limiting criteria.(org)
D - Analyte was identified at a secondary dilution factor
U - Analyzed for but not detected above limiting criteria.
X - Other flags/notes described in the comments/narrative(inorg)

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

WSCF ANALYTICAL LABORATORY QC REPORT

Department: Inorganic

SDG Number: WSCF20080847
Matrix: SOLID
Test: Anions by Ion Chromatography

Sample Date: 02/19/08
Receive Date:05/01/08

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Lower Limit	Upper Limit	RPD(%)	RPD Limit	RQ	Analysis Date
Lab ID: W08GR01134											
BATCH QC ASSOCIATED WITH SAMPLE											
DUP	Fluoride	16984-48-8	<0.3		RPD			n/a	20.000	U	05/22/08
DUP	Nitrogen in Nitrite	NO2-N	<0.5		RPD			n/a	20.000	U	05/22/08
DUP	Nitrogen in Nitrate	NO3-N	0.787		RPD			83.119	20.000 •		05/22/08
DUP	Sulfate	14808-79-8	<3.5		RPD			n/a	20.000	U	05/22/08
MS	Fluoride	16984-48-8	0.470604	94.499	% Recov	80.000	120.000				05/22/08
MS	Nitrogen in Nitrite	NO2-N	0.472936	95.158	% Recov	80.000	120.000				05/22/08
MS	Nitrogen in Nitrate	NO3-N	0.450412	100.092	% Recov	80.000	120.000				05/22/08
MS	Sulfate	14808-79-8	1.910832	96.507	% Recov	80.000	120.000				05/22/08
MSD	Fluoride	16984-48-8	0.472274	94.834	% Recov	80.000	120.000				05/22/08
MSD	Nitrogen in Nitrite	NO2-N	0.471064	94.781	% Recov	80.000	120.000				05/22/08
MSD	Nitrogen in Nitrate	NO3-N	0.445202	98.934	% Recov	80.000	120.000				05/22/08
MSD	Sulfate	14808-79-8	1.916812	96.809	% Recov	80.000	120.000				05/22/08
SPK-RPD	Fluoride	16984-48-8	94.834		RPD			0.354	20.000		05/22/08
SPK-RPD	Nitrogen in Nitrite	NO2-N	94.781		RPD			0.397	20.000		05/22/08
SPK-RPD	Nitrogen in Nitrate	NO3-N	98.934		RPD			1.164	20.000		05/22/08
SPK-RPD	Sulfate	14808-79-8	96.809		RPD			0.312	20.000		05/22/08
BATCH QC											
BLANK	Fluoride	16984-48-8	<6e-3	n/a	mg/L	0.000	0.030			U	05/22/08
BLANK	Fluoride	16984-48-8	<6e-3	n/a	mg/L	0.000	0.030			U	05/22/08
BLANK	Nitrogen in Nitrite	NO2-N	<1e-2	n/a	mg/L	0.000	0.020			U	05/22/08
BLANK	Nitrogen in Nitrite	NO2-N	<1e-2	n/a	mg/L	0.000	0.020			U	05/22/08
BLANK	Nitrogen in Nitrate	NO3-N	<5e-3	n/a	mg/L	0.000	0.040			U	05/22/08
BLANK	Nitrogen in Nitrate	NO3-N	<5e-3	n/a	mg/L	0.000	0.040			U	05/22/08
BLANK	Sulfate	14808-79-8	<7e-2	n/a	mg/L	0.000	0.200			U	05/22/08
BLANK	Sulfate	14808-79-8	<7e-2	n/a	mg/L	0.000	0.200			U	05/22/08

WSCF ANALYTICAL LABORATORY QC REPORT

Department: Inorganic

SDG Number: WSCF20080847
Matrix: SOLID
Test: Anions by Ion Chromatography

Sample Date:
Receive Date:

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Lower Limit	Upper Limit	RPD(%)	RPD Limit	RQ	Analysis Date
LCS	Fluoride	16984-48-8	106.918	107.347	% Recov	80.000	120.000				05/22/08
LCS	Nitrogen in Nitrite	NO2-N	99.243	99.842	% Recov	80.000	120.000				05/22/08
LCS	Nitrogen in Nitrate	NO3-N	92.5205	102.686	% Recov	80.000	120.000				05/22/08
LCS	Sulfate	14808-79-8	387.1743	97.771	% Recov	80.000	120.000				05/22/08

WSCF ANALYTICAL LABORATORY QC REPORT

Department: Inorganic

SDG Number: WSCF20080847
Matrix: SOLID
Test: ICP-200.8 MS All possible meta

Sample Date: 04/11/08
Receive Date:04/11/08

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Lower Limit	Upper Limit	RPD(%)	RPD Limit	RQ	Analysis Date
Lab ID: W08GR01020											
BATCH QC ASSOCIATED WITH SAMPLE											
MS	Silver	7440-22-4	190.8	95.400	% Recov	70.000	130.000				05/01/08
MS	Arsenic	7440-38-2	193.78	96.890	% Recov	70.000	130.000				05/01/08
MS	Barium	7440-39-3	233.79	116.895	% Recov	70.000	130.000				05/01/08
MS	Beryllium	7440-41-7	187.88	93.940	% Recov	70.000	130.000				05/01/08
MS	Cadmium	7440-43-9	191.4	95.700	% Recov	70.000	130.000				05/01/08
MS	Chromium	7440-47-3	190.9	95.450	% Recov	70.000	130.000				05/01/08
MS	Copper	7440-50-8	185.06	92.530	% Recov	70.000	130.000				05/01/08
MS	Mercury	7439-97-6	1.98	99.000	% Recov	70.000	130.000				05/01/08
MS	Nickel	7440-02-0	184.94	92.470	% Recov	70.000	130.000				05/01/08
MS	Lead	7439-92-1	195.21	97.605	% Recov	70.000	130.000				05/01/08
MS	Selenium	7782-49-2	190.3	95.150	% Recov	70.000	130.000				05/01/08
MS	Zinc	7440-66-6	185.26	92.630	% Recov	70.000	130.000				05/01/08
MSD	Silver	7440-22-4	184.4	92.200	% Recov	70.000	130.000				05/01/08
MSD	Arsenic	7440-38-2	186.58	93.290	% Recov	70.000	130.000				05/01/08
MSD	Barium	7440-39-3	180.09	90.045	% Recov	70.000	130.000				05/01/08
MSD	Beryllium	7440-41-7	181.78	90.890	% Recov	70.000	130.000				05/01/08
MSD	Cadmium	7440-43-9	185.4	92.700	% Recov	70.000	130.000				05/01/08
MSD	Chromium	7440-47-3	181.3	90.650	% Recov	70.000	130.000				05/01/08
MSD	Copper	7440-50-8	178.56	89.280	% Recov	70.000	130.000				05/01/08
MSD	Mercury	7439-97-6	1.91	95.500	% Recov	70.000	130.000				05/01/08
MSD	Nickel	7440-02-0	181.94	90.970	% Recov	70.000	130.000				05/01/08
MSD	Lead	7439-92-1	188.81	94.405	% Recov	70.000	130.000				05/01/08
MSD	Selenium	7782-49-2	184.6	92.300	% Recov	70.000	130.000				05/01/08
MSD	Zinc	7440-66-6	177.96	88.980	% Recov	70.000	130.000				05/01/08
SPK-RPD	Silver	7440-22-4	92.200		RPD			3.412	20.000		05/01/08
SPK-RPD	Arsenic	7440-38-2	93.290		RPD			3.786	20.000		05/01/08

WSCF ANALYTICAL LABORATORY QC REPORT

Department: Inorganic

SDG Number: WSCF20080847
Matrix: SOLID
Test: ICP-200.8 MS All possible meta

Sample Date: 04/11/08
Receive Date:04/11/08

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Lower Limit	Upper Limit	RPD(%)	RPD Limit	RQ	Analysis Date
SPK-RPD	Barium	7440-39-3	90.045		RPD			25.950	20.000 *		05/01/08
SPK-RPD	Beryllium	7440-41-7	90.890		RPD			3.300	20.000		05/01/08
SPK-RPD	Cadmium	7440-43-9	92.700		RPD			3.185	20.000		05/01/08
SPK-RPD	Chromium	7440-47-3	90.650		RPD			5.159	20.000		05/01/08
SPK-RPD	Copper	7440-50-8	89.280		RPD			3.575	20.000		05/01/08
SPK-RPD	Mercury	7439-97-6	95.500		RPD			3.599	20.000		05/01/08
SPK-RPD	Nickel	7440-02-0	90.970		RPD			1.635	20.000		05/01/08
SPK-RPD	Lead	7439-92-1	94.405		RPD			3.333	20.000		05/01/08
SPK-RPD	Selenium	7782-49-2	92.300		RPD			3.041	20.000		05/01/08
SPK-RPD	Zinc	7440-66-6	88.980		RPD			4.020	20.000		05/01/08
Lab ID: W08GR01023											
BATCH QC ASSOCIATED WITH SAMPLE											
MS	Silver	7440-22-4	185	92.500	% Recov	70.000	130.000				05/01/08
MS	Arsenic	7440-38-2	183	91.500	% Recov	70.000	130.000				05/01/08
MS	Cadmium	7440-43-9	185.5	92.750	% Recov	70.000	130.000				05/01/08
MS	Chromium	7440-47-3	172.37	86.185	% Recov	70.000	130.000				05/01/08
MS	Lead	7439-92-1	188.94	94.470	% Recov	70.000	130.000				05/01/08
MSD	Silver	7440-22-4	187.5	93.750	% Recov	70.000	130.000				05/01/08
MSD	Arsenic	7440-38-2	185.9	92.950	% Recov	70.000	130.000				05/01/08
MSD	Cadmium	7440-43-9	188.1	94.050	% Recov	70.000	130.000				05/01/08
MSD	Chromium	7440-47-3	179.47	89.735	% Recov	70.000	130.000				05/01/08
MSD	Lead	7439-92-1	191.84	95.920	% Recov	70.000	130.000				05/01/08
SPK-RPD	Silver	7440-22-4	93.750		RPD			1.342	20.000		05/01/08
SPK-RPD	Arsenic	7440-38-2	92.950		RPD			1.572	20.000		05/01/08
SPK-RPD	Cadmium	7440-43-9	94.050		RPD			1.392	20.000		05/01/08
SPK-RPD	Chromium	7440-47-3	89.735		RPD			4.036	20.000		05/01/08
SPK-RPD	Lead	7439-92-1	95.920		RPD			1.523	20.000		05/01/08

WSCF ANALYTICAL LABORATORY QC REPORT

Department: Inorganic

SDG Number: WSCF20080847
Matrix: SOLID
Test: ICP-200.8 MS All possible meta

Sample Date:
Receive Date:

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Lower Limit	Upper Limit	RPD(%)	RPD Limit	RQ	Analysis Date
BATCH QC											
BLANK	Silver	7440-22-4	<0.1	n/a	ug/L					U	05/01/08
BLANK	Arsenic	7440-38-2	<0.4	n/a	ug/L					U	05/01/08
BLANK	Barium	7440-39-3	<0.2	n/a	ug/L					U	05/01/08
BLANK	Beryllium	7440-41-7	<5e-2	n/a	ug/L					U	05/01/08
BLANK	Cadmium	7440-43-9	<0.1	n/a	ug/L					U	05/01/08
BLANK	Chromium	7440-47-3	<0.5	n/a	ug/L					U	05/01/08
BLANK	Copper	7440-50-8	<0.1	n/a	ug/L					U	05/01/08
BLANK	Mercury	7439-97-6	<5e-2	n/a	ug/L					U	05/01/08
BLANK	Nickel	7440-02-0	<0.2	n/a	ug/L					U	05/01/08
BLANK	Lead	7439-92-1	<0.1	n/a	ug/L					U	05/01/08
BLANK	Selenium	7782-49-2	<0.3	n/a	ug/L					U	05/01/08
BLANK	Zinc	7440-66-6	<0.8	n/a	ug/L					U	05/01/08
LCS	Silver	7440-22-4	109.2	108.119	% Recov	98.000	134.000				05/01/08
LCS	Arsenic	7440-38-2	134.4	101.818	% Recov	75.000	134.000				05/01/08
LCS	Barium	7440-39-3	318.1	99.718	% Recov	87.000	121.000				05/01/08
LCS	Beryllium	7440-41-7	87.87	98.179	% Recov	70.000	153.000				05/01/08
LCS	Cadmium	7440-43-9	66.13	99.444	% Recov	95.000	124.000				05/01/08
LCS	Chromium	7440-47-3	68.72	94.266	% Recov	77.000	125.000				05/01/08
LCS	Copper	7440-50-8	67.33	98.292	% Recov	84.000	122.000				05/01/08
LCS	Mercury	7439-97-6	7.73	93.357	% Recov	71.000	132.000				05/01/08
LCS	Nickel	7440-02-0	55.74	100.252	% Recov	90.000	121.000				05/01/08
LCS	Lead	7439-92-1	133.7	102.846	% Recov	92.000	123.000				05/01/08
LCS	Selenium	7782-49-2	172.5	107.143	% Recov	52.000	157.000				05/01/08
LCS	Zinc	7440-66-6	184.5	104.237	% Recov	85.000	130.000				05/01/08

WSCF ANALYTICAL LABORATORY QC REPORT

Department: Inorganic

SDG Number: WSCF20080847
Matrix: SOLID
Test: ICP-200.8 MS All possible meta

Sample Date:
Receive Date:

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Lower Limit	Upper Limit	RPD(%)	RPD Limit	RQ	Analysis Date
BLANK	Thallium	7440-28-0	<0.1	n/a	ug/L					U	05/01/08
BLANK	Zinc	7440-66-6	<0.8	n/a	ug/L					U	05/01/08
LCS	Silver	7440-22-4	109.2	108.119	% Recov	98.000	134.000				05/01/08
LCS	Arsenic	7440-38-2	134.4	101.818	% Recov	75.000	134.000				05/01/08
LCS	Barium	7440-39-3	318.1	99.718	% Recov	87.000	121.000				05/01/08
LCS	Beryllium	7440-41-7	87.87	98.179	% Recov	70.000	153.000				05/01/08
LCS	Cadmium	7440-43-9	66.13	99.444	% Recov	95.000	124.000				05/01/08
LCS	Cobalt	7440-48-4	73.61	100.698	% Recov	88.000	119.000				05/01/08
LCS	Chromium	7440-47-3	68.72	94.266	% Recov	77.000	125.000				05/01/08
LCS	Copper	7440-50-8	67.33	98.292	% Recov	84.000	122.000				05/01/08
LCS	Mercury	7439-97-6	7.73	93.357	% Recov	71.000	132.000				05/01/08
LCS	Manganese	7439-96-5	458.4	101.192	% Recov	83.000	118.000				05/01/08
LCS	Nickel	7440-02-0	55.74	100.252	% Recov	90.000	121.000				05/01/08
LCS	Lead	7439-92-1	133.7	102.846	% Recov	92.000	123.000				05/01/08
LCS	Antimony	7440-36-0	140.4	155.654	% Recov	114.000	260.000				05/01/08
LCS	Selenium	7782-49-2	172.5	107.143	% Recov	52.000	157.000				05/01/08
LCS	Thallium	7440-28-0	126.2	94.887	% Recov	92.000	123.000				05/01/08
LCS	Zinc	7440-66-6	184.5	104.237	% Recov	85.000	130.000				05/01/08

REVISED 7-18-08

WSCF ANALYTICAL LABORATORY QC REPORT

Department: Inorganic

SDG Number: WSCF20080847
Matrix: SOLID
Test: pH Soil and Waste Measurement

Sample Date: 04/17/08
Receive Date:04/28/08

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Lower Limit	Upper Limit	RPD(%)	RPD Limit	RQ	Analysis Date
Lab ID: W08GR01075											
BATCH QC ASSOCIATED WITH SAMPLE											
DUP	pH Soil and Waste Measurement	PH	9.10		RPD			0.220	3.000		05/08/08

WSCF
ANALYTICAL COMMENT REPORT

Attention: Steve Trent
Project Number F08-066

Group #: WSCF20080847
Department: Inorganic

Sample #	Client ID	Lab Area	Test	Comment
		VALGROUP		ICP-MS: Barium spike RPD over 20% but still pass. X-flag ORGANICS: All samples are corrected for moisture and reported on a dry weight basis. cgc U-235 duplicate is flagged for poor RPD but the sample activity is low level. RPD does not apply to low level samples. lmh U-234 duplicate is flagged for poor RPD due to the inhomogeneity of the sample. lmh U-232 Tracer recovery is low. Since all the other tracer came out fine, this batch has been approved. lmh

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

WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent
SAF Number: F08-066
Sample # W08GR01075
Client ID: B1TFF2 GPP TRENT WSCF
Matrix: SOIL

Group #: WSCF20080847
Department: Organic
Sampled: 04/17/08
Received: 04/28/08

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
NWTPH-D TPH Diesel Range (Wa) Prep											**04/30/08**
NWTPH-D TPH Diesel Range (Wa)											
Total Pet. Hydrocarbons Diesel	TPHDIESEL	LA-523-493	U	< 3.10e+03	ug/kg			1.00	3.1e+03		05/05/08
Kerosene	TPHKEROSENE	LA-523-493	U	< 3.10e+03	ug/kg			1.00	3.1e+03		05/05/08
PCBs complete list Prep											**04/30/08**
PCBs complete list											
Aroclor-1016	12674-11-2	LA-523-427	U	< 9.90	ug/kg			1.00	9.9		05/06/08
Aroclor-1221	11104-28-2	LA-523-427	U	< 20.0	ug/kg			1.00	20		05/06/08
Aroclor-1232	11141-16-5	LA-523-427	U	< 9.90	ug/kg			1.00	9.9		05/06/08
Aroclor-1242	53469-21-9	LA-523-427	U	< 9.90	ug/kg			1.00	9.9		05/06/08
Aroclor-1248	12672-29-6	LA-523-427	U	< 9.90	ug/kg			1.00	9.9		05/06/08
Aroclor-1254	11097-69-1	LA-523-427	U	< 9.90	ug/kg			1.00	9.9		05/06/08
Aroclor-1260	11096-82-5	LA-523-427	U	< 9.90	ug/kg			1.00	9.9		05/06/08
Aroclor-1262	37324-23-5	LA-523-427	U	< 9.90	ug/kg			1.00	9.9		05/06/08
Aroclor-1268	11100-14-4	LA-523-427	U	< 9.90	ug/kg			1.00	9.9		05/06/08
SW-846 8270C Semi-Vols Prep											**04/30/08**
SW-846 8270C Semi-Vols											
4-Nitrophenol	100-02-7	LA-523-456	U	< 200	ug/kg			1.00	2.0e+02		05/06/08
1,4-Dichlorobenzene	106-46-7	LA-523-456	U	< 240	ug/kg			1.00	2.4e+02		05/06/08
Phenol	108-95-2	LA-523-456	U	< 140	ug/kg			1.00	1.4e+02		05/06/08
1,2,4-Trichlorobenzene	120-82-1	LA-523-456	U	< 140	ug/kg			1.00	1.4e+02		05/06/08
2,4-Dinitrotoluene	121-14-2	LA-523-456	U	< 140	ug/kg			1.00	1.4e+02		05/06/08
Pyrene	129-00-0	LA-523-456	U	< 140	ug/kg			1.00	1.4e+02		05/06/08
4-Chloro-3-methylphenol	59-50-7	LA-523-456	U	< 140	ug/kg			1.00	1.4e+02		05/06/08
N-Nitrosodi-n-dipropylamine	621-64-7	LA-523-456	U	< 140	ug/kg			1.00	1.4e+02		05/06/08

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

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

D - Analyte was identified at a secondary dilution factor
U - Analyzed for but not detected above limiting criteria.
X - Other flags/notes described in the comments/narrative(inorg)

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

WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent
SAF Number: F08-066
Sample # W08GR01075
Client ID: B1TFF2 GPP TRENT WSCF
Matrix: SOIL

Group #: WSCF20080847
Department: Organic
Sampled: 04/17/08
Received: 04/28/08

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
Acenaphthene	83-32-9	LA-523-456	U	< 140	ug/kg			1.00	1.4e+02		05/06/08
Pentachlorophenol	87-86-5	LA-523-456	U	< 200	ug/kg			1.00	2.0e+02		05/06/08
2-Chlorophenol	95-57-8	LA-523-456	U	< 140	ug/kg			1.00	1.4e+02		05/06/08
Tributyl phosphate	126-73-8	LA-523-456	U	< 140	ug/kg			1.00	1.4e+02		05/06/08
1,2,4-Trimethylbenzene	95-63-6	LA-523-456	U	< 180	ug/kg			1.00	1.8e+02		05/06/08

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

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

D - Analyte was identified at a secondary dilution factor
U - Analyzed for but not detected above limiting criteria.
X - Other flags/notes described in the comments/narrative(inorg)

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

WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent
SAF Number: F08-066
Sample # W08GR01076
Client ID: B1TFF0 GPP WSCF TRENT **Matrix:** SOIL

Group #: WSCF20080847
Department: Organic
Sampled: 04/17/08
Received: 04/28/08

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
VOA Ground Water Protection											
1,1-Dichloroethene	75-35-4	LA-523-455	U	< 0.970	ug/kg			1.00	0.97		04/30/08
Trichloroethene	79-01-6	LA-523-455	U	< 0.970	ug/kg			1.00	0.97		04/30/08
Benzene	71-43-2	LA-523-455	U	< 0.970	ug/kg			1.00	0.97		04/30/08
Toluene	108-88-3	LA-523-455	U	< 0.970	ug/kg			1.00	0.97		04/30/08
Chlorobenzene	108-90-7	LA-523-455	U	< 0.970	ug/kg			1.00	0.97		04/30/08
1,1-Dichloroethane	75-34-3	LA-523-455	U	< 0.970	ug/kg			1.00	0.97		04/30/08
Ethylbenzene	100-41-4	LA-523-455	U	< 0.970	ug/kg			1.00	0.97		04/30/08
Styrene	100-42-5	LA-523-455	U	< 0.970	ug/kg			1.00	0.97		04/30/08
cis-1,3-Dichloropropene	10061-01-5	LA-523-455	U	< 0.970	ug/kg			1.00	0.97		04/30/08
trans-1,3-Dichloropropene	10061-02-6	LA-523-455	U	< 0.970	ug/kg			1.00	0.97		04/30/08
1,2-Dichloroethane	107-06-2	LA-523-455	U	< 0.970	ug/kg			1.00	0.97		04/30/08
4-Methyl-2-Pentanone	108-10-1	LA-523-455	U	< 0.970	ug/kg			1.00	0.97		04/30/08
Dibromochloromethane	124-48-1	LA-523-455	U	< 0.970	ug/kg			1.00	0.97		04/30/08
Tetrachloroethene	127-18-4	LA-523-455	U	< 0.970	ug/kg			1.00	0.97		04/30/08
Xylenes (total)	1330-20-7	LA-523-455	U	< 0.970	ug/kg			1.00	0.97		04/30/08
1,2-Dichloroethene(Total)	540-59-0	LA-523-455	U	< 0.970	ug/kg			1.00	0.97		04/30/08
Carbon tetrachloride	56-23-5	LA-523-455	U	< 0.970	ug/kg			1.00	0.97		04/30/08
2-Hexanone	591-78-6	LA-523-455	U	< 0.970	ug/kg			1.00	0.97		04/30/08
Acetone	67-64-1	LA-523-455	U	< 0.970	ug/kg			1.00	0.97		04/30/08
Chloroform	67-66-3	LA-523-455	U	< 0.970	ug/kg			1.00	0.97		04/30/08
1,1,1-Trichloroethane	71-55-6	LA-523-455	U	< 0.970	ug/kg			1.00	0.97		04/30/08
Bromomethane	74-83-9	LA-523-455	U	< 0.970	ug/kg			1.00	0.97		04/30/08
Chloromethane	74-87-3	LA-523-455	U	< 0.970	ug/kg			1.00	0.97		04/30/08
Chloroethane	75-00-3	LA-523-455	U	< 0.970	ug/kg			1.00	0.97		04/30/08

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

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X - Other flags/notes described in the comments/narrative(inorg)

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WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent
SAF Number: F08-066
Sample # W08GR01076
Client ID: B1TFF0 GPP TRENT WSCF
Matrix: SOIL

Group #: WSCF20080847
Department: Organic
Sampled: 04/17/08
Received: 04/28/08

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
Vinyl chloride	75-01-4	LA-523-455	U	< 0.970	ug/kg			1.00	0.97		04/30/08
Methylenechloride	75-09-2	LA-523-455	U	< 0.970	ug/kg			1.00	0.97		04/30/08
Carbon disulfide	75-15-0	LA-523-455	U	< 0.970	ug/kg			1.00	0.97		04/30/08
Bromoform	75-25-2	LA-523-455	U	< 0.970	ug/kg			1.00	0.97		04/30/08
Bromodichloromethane	75-27-4	LA-523-455	U	< 0.970	ug/kg			1.00	0.97		04/30/08
1,2-Dichloropropane	78-87-5	LA-523-455	U	< 0.970	ug/kg			1.00	0.97		04/30/08
2-Butanone	78-93-3	LA-523-455	U	< 0.970	ug/kg			1.00	0.97		04/30/08
1,1,2-Trichloroethane	79-00-5	LA-523-455	U	< 0.970	ug/kg			1.00	0.97		04/30/08
1,1,2,2-Tetrachloroethane	79-34-5	LA-523-455	U	< 0.970	ug/kg			1.00	0.97		04/30/08
Hexane	110-54-3	LA-523-455	U	< 0.970	ug/kg			1.00	0.97		04/30/08
Tetrahydrofuran	109-99-9	LA-523-455	U	< 1.90	ug/kg			1.00	1.9		04/30/08
Acetonitrile	75-05-8	LA-523-455	U	< 1.90	ug/kg			1.00	1.9		04/30/08

MDL=Minimum Detection Limit
RQ=Result Qualifier
TP Err=Total Propagated Error
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WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent
SAF Number: F08-066
Sample # W08GR01078
Client ID: B1TFF5 GPP TRENT WSCF
Matrix: SOIL

Group #: WSCF20080847
Department: Organic
Sampled: 04/21/08
Received: 04/28/08

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
NWTPH-D TPH Diesel Range (Wa) Prep											**04/30/08**
NWTPH-D TPH Diesel Range (Wa)											
Total Pet. Hydrocarbons Diesel	TPHDIESEL	LA-523-493	U	< 3.10e+03	ug/kg			1.00	3.1e+03		05/05/08
Kerosene	TPHKEROSENE	LA-523-493	U	< 3.10e+03	ug/kg			1.00	3.1e+03		05/05/08
PCBs complete list Prep											**04/30/08**
PCBs complete list											
Aroclor-1016	12674-11-2	LA-523-427	U	< 10.0	ug/kg			1.00	10		05/06/08
Aroclor-1221	11104-28-2	LA-523-427	U	< 20.0	ug/kg			1.00	20		05/06/08
Aroclor-1232	11141-16-5	LA-523-427	U	< 10.0	ug/kg			1.00	10		05/06/08
Aroclor-1242	53469-21-9	LA-523-427	U	< 10.0	ug/kg			1.00	10		05/06/08
Aroclor-1248	12672-29-6	LA-523-427	U	< 10.0	ug/kg			1.00	10		05/06/08
Aroclor-1254	11097-69-1	LA-523-427	U	< 10.0	ug/kg			1.00	10		05/06/08
Aroclor-1260	11096-82-5	LA-523-427	U	< 10.0	ug/kg			1.00	10		05/06/08
Aroclor-1262	37324-23-5	LA-523-427	U	< 10.0	ug/kg			1.00	10		05/06/08
Aroclor-1268	11100-14-4	LA-523-427	U	< 10.0	ug/kg			1.00	10		05/06/08
SW-846 8270C Semi-Vols Prep											**04/30/08**
SW-846 8270C Semi-Vols											
4-Nitrophenol	100-02-7	LA-523-456	U	< 210	ug/kg			1.00	2.1e+02		05/06/08
1,4-Dichlorobenzene	106-46-7	LA-523-456	U	< 250	ug/kg			1.00	2.5e+02		05/06/08
Phenol	108-95-2	LA-523-456	U	< 140	ug/kg			1.00	1.4e+02		05/06/08
1,2,4-Trichlorobenzene	120-82-1	LA-523-456	U	< 140	ug/kg			1.00	1.4e+02		05/06/08
2,4-Dinitrotoluene	121-14-2	LA-523-456	U	< 140	ug/kg			1.00	1.4e+02		05/06/08
Pyrene	129-00-0	LA-523-456	U	< 140	ug/kg			1.00	1.4e+02		05/06/08
4-Chloro-3-methylphenol	59-50-7	LA-523-456	U	< 140	ug/kg			1.00	1.4e+02		05/06/08
N-Nitrosodi-n-dipropylamine	621-64-7	LA-523-456	U	< 140	ug/kg			1.00	1.4e+02		05/06/08

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

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WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent
SAF Number: F08-066
Sample # W08GR01078
Client ID: B1TFF5 GPP TRENT WSCF
Matrix: SOIL

Group #: WSCF20080847
Department: Organic
Sampled: 04/21/08
Received: 04/28/08

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
Acenaphthene	83-32-9	LA-523-456	U	< 140	ug/kg			1.00	1.4e+02		05/06/08
Pentachlorophenol	87-86-5	LA-523-456	U	< 210	ug/kg			1.00	2.1e+02		05/06/08
2-Chlorophenol	95-57-8	LA-523-456	U	< 140	ug/kg			1.00	1.4e+02		05/06/08
Tributyl phosphate	126-73-8	LA-523-456	U	< 140	ug/kg			1.00	1.4e+02		05/06/08
1,2,4-Trimethylbenzene	95-63-6	LA-523-456	U	< 190	ug/kg			1.00	1.9e+02		05/06/08

MDL=Minimum Detection Limit
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WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent
SAF Number: F08-066
Sample # W08GR01079
Client ID: B1TFD9 GPP WSCF TRENT **Matrix:** SOIL

Group #: WSCF20080847
Department: Organic
Sampled: 04/17/08
Received: 04/28/08

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
NWTPH-D TPH Diesel Range (Wa) Prep											**04/30/08**
NWTPH-D TPH Diesel Range (Wa)											
Total Pet. Hydrocarbons Diesel	TPHDIESEL	LA-523-493	U	< 3.20e+03	ug/kg			1.00	3.2e+03		05/05/08
Kerosene	TPHKEROSENE	LA-523-493	U	< 3.20e+03	ug/kg			1.00	3.2e+03		05/05/08
PCBs complete list Prep											**04/30/08**
PCBs complete list											
Aroclor-1016	12674-11-2	LA-523-427	U	< 11.0	ug/kg			1.00	11		05/06/08
Aroclor-1221	11104-28-2	LA-523-427	U	< 21.0	ug/kg			1.00	21		05/06/08
Aroclor-1232	11141-16-5	LA-523-427	U	< 11.0	ug/kg			1.00	11		05/06/08
Aroclor-1242	53469-21-9	LA-523-427	U	< 11.0	ug/kg			1.00	11		05/06/08
Aroclor-1248	12672-29-6	LA-523-427	U	< 11.0	ug/kg			1.00	11		05/06/08
Aroclor-1254	11097-69-1	LA-523-427	U	< 11.0	ug/kg			1.00	11		05/06/08
Aroclor-1260	11096-82-5	LA-523-427	U	< 11.0	ug/kg			1.00	11		05/06/08
Aroclor-1262	37324-23-5	LA-523-427	U	< 11.0	ug/kg			1.00	11		05/06/08
Aroclor-1268	11100-14-4	LA-523-427	U	< 11.0	ug/kg			1.00	11		05/06/08
SW-846 8270C Semi-Vols Prep											**04/30/08**
SW-846 8270C Semi-Vols											
4-Nitrophenol	100-02-7	LA-523-456	U	< 210	ug/kg			1.00	2.1e+02		05/06/08
1,4-Dichlorobenzene	106-46-7	LA-523-456	U	< 260	ug/kg			1.00	2.6e+02		05/06/08
Phenol	108-95-2	LA-523-456	U	< 150	ug/kg			1.00	1.5e+02		05/06/08
1,2,4-Trichlorobenzene	120-82-1	LA-523-456	U	< 150	ug/kg			1.00	1.5e+02		05/06/08
2,4-Dinitrotoluene	121-14-2	LA-523-456	U	< 150	ug/kg			1.00	1.5e+02		05/06/08
Pyrene	129-00-0	LA-523-456	U	< 150	ug/kg			1.00	1.5e+02		05/06/08
4-Chloro-3-methylphenol	59-50-7	LA-523-456	U	< 150	ug/kg			1.00	1.5e+02		05/06/08
N-Nitrosodi-n-dipropylamine	621-64-7	LA-523-456	U	< 150	ug/kg			1.00	1.5e+02		05/06/08

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

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WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent
SAF Number: F08-066
Sample # W08GR01079
Client ID: B1TFD9 GPP TRENT WSCF
Matrix: SOIL

Group #: WSCF20080847
Department: Organic
Sampled: 04/17/08
Received: 04/28/08

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
Acenaphthene	83-32-9	LA-523-456	U	< 150	ug/kg			1.00	1.5e+02		05/06/08
Pentachlorophenol	87-86-5	LA-523-456	U	< 210	ug/kg			1.00	2.1e+02		05/06/08
2-Chlorophenol	95-57-8	LA-523-456	U	< 150	ug/kg			1.00	1.5e+02		05/06/08
Tributyl phosphate	126-73-8	LA-523-456	U	< 150	ug/kg			1.00	1.5e+02		05/06/08
1,2,4-Trimethylbenzene	95-63-6	LA-523-456	U	< 190	ug/kg			1.00	1.9e+02		05/06/08

MDL = Minimum Detection Limit
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WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent
SAF Number: F08-066
Sample # W08GR01080
Client ID: B1TFF8 GPP TRENT WSCF
Matrix: SOIL

Group #: WSCF20080847
Department: Organic
Sampled: 04/22/08
Received: 04/28/08

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
NWTPH-D TPH Diesel Range (Wa) Prep											**04/30/08**
NWTPH-D TPH Diesel Range (Wa)											
Total Pet. Hydrocarbons Diesel	TPHDIESEL	LA-523-493		5.60e+03	ug/kg			1.00	3.1e+03		05/05/08
Kerosene	TPHKEROSENE	LA-523-493	U	< 3.10e+03	ug/kg			1.00	3.1e+03		05/05/08
PCBs complete list Prep											**04/30/08**
PCBs complete list											
Aroclor-1016	12674-11-2	LA-523-427	U	< 10.0	ug/kg			1.00	10		05/06/08
Aroclor-1221	11104-28-2	LA-523-427	U	< 21.0	ug/kg			1.00	21		05/06/08
Aroclor-1232	11141-16-5	LA-523-427	U	< 10.0	ug/kg			1.00	10		05/06/08
Aroclor-1242	53469-21-9	LA-523-427	U	< 10.0	ug/kg			1.00	10		05/06/08
Aroclor-1248	12672-29-6	LA-523-427	U	< 10.0	ug/kg			1.00	10		05/06/08
Aroclor-1254	11097-69-1	LA-523-427	U	< 10.0	ug/kg			1.00	10		05/06/08
Aroclor-1260	11096-82-5	LA-523-427	U	< 10.0	ug/kg			1.00	10		05/06/08
Aroclor-1262	37324-23-5	LA-523-427	U	< 10.0	ug/kg			1.00	10		05/06/08
Aroclor-1268	11100-14-4	LA-523-427	U	< 10.0	ug/kg			1.00	10		05/06/08
SW-846 8270C Semi-Vols Prep											**04/30/08**
SW-846 8270C Semi-Vols											
4-Nitrophenol	100-02-7	LA-523-456	U	< 210	ug/kg			1.00	2.1e+02		05/06/08
1,4-Dichlorobenzene	106-46-7	LA-523-456	U	< 250	ug/kg			1.00	2.5e+02		05/06/08
Phenol	108-95-2	LA-523-456	U	< 150	ug/kg			1.00	1.5e+02		05/06/08
1,2,4-Trichlorobenzene	120-82-1	LA-523-456	U	< 150	ug/kg			1.00	1.5e+02		05/06/08
2,4-Dinitrotoluene	121-14-2	LA-523-456	U	< 150	ug/kg			1.00	1.5e+02		05/06/08
Pyrene	129-00-0	LA-523-456	U	< 150	ug/kg			1.00	1.5e+02		05/06/08
4-Chloro-3-methylphenol	59-50-7	LA-523-456	U	< 150	ug/kg			1.00	1.5e+02		05/06/08
N-Nitrosodi-n-dipropylamine	621-64-7	LA-523-456	U	< 150	ug/kg			1.00	1.5e+02		05/06/08

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

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WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent
SAF Number: F08-066
Sample # W08GR01080
Client ID: B1TFF8 GPP TRENT WSCF
Matrix: SOIL

Group #: WSCF20080847
Department: Organic
Sampled: 04/22/08
Received: 04/28/08

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
Acenaphthene	83-32-9	LA-523-456	U	< 150	ug/kg			1.00	1.5e+02		05/06/08
Pentachlorophenol	87-86-5	LA-523-456	U	< 210	ug/kg			1.00	2.1e+02		05/06/08
2-Chlorophenol	95-57-8	LA-523-456	U	< 150	ug/kg			1.00	1.5e+02		05/06/08
Tributyl phosphate	126-73-8	LA-523-456	U	< 150	ug/kg			1.00	1.5e+02		05/06/08
1,2,4-Trimethylbenzene	95-63-6	LA-523-456	U	< 190	ug/kg			1.00	1.9e+02		05/06/08

MDL=Minimum Detection Limit
RQ=Result Qualifier
TP Err=Total Propagated Error
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WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent
SAF Number: F08-066
Sample # W08GR01082
Client ID: B1TFH1 GPP WSCF TRENT **Matrix:** SOIL

Group #: WSCF20080847
Department: Organic
Sampled: 04/23/08
Received: 04/28/08

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
NWTPH-D TPH Diesel Range (Wa) Prep											**04/30/08**
NWTPH-D TPH Diesel Range (Wa)											
Total Pet. Hydrocarbons Diesel	TPHDIESEL	LA-523-493	U	< 3.20e+03	ug/kg			1.00	3.2e+03		05/05/08
Kerosene	TPHKEROSENE	LA-523-493	U	< 3.20e+03	ug/kg			1.00	3.2e+03		05/05/08
PCBs complete list Prep											**04/30/08**
PCBs complete list											
Aroclor-1016	12674-11-2	LA-523-427	U	< 10.0	ug/kg			1.00	10		05/06/08
Aroclor-1221	11104-28-2	LA-523-427	U	< 21.0	ug/kg			1.00	21		05/06/08
Aroclor-1232	11141-16-5	LA-523-427	U	< 10.0	ug/kg			1.00	10		05/06/08
Aroclor-1242	53469-21-9	LA-523-427	U	< 10.0	ug/kg			1.00	10		05/06/08
Aroclor-1248	12672-29-6	LA-523-427	U	< 10.0	ug/kg			1.00	10		05/06/08
Aroclor-1254	11097-69-1	LA-523-427	U	< 10.0	ug/kg			1.00	10		05/06/08
Aroclor-1260	11096-82-5	LA-523-427	U	< 10.0	ug/kg			1.00	10		05/06/08
Aroclor-1262	37324-23-5	LA-523-427	U	< 10.0	ug/kg			1.00	10		05/06/08
Aroclor-1268	11100-14-4	LA-523-427	U	< 10.0	ug/kg			1.00	10		05/06/08
SW-846 8270C Semi-Vols Prep											**04/30/08**
SW-846 8270C Semi-Vols											
4-Nitrophenol	100-02-7	LA-523-456	U	< 210	ug/kg			1.00	2.1e+02		05/06/08
1,4-Dichlorobenzene	106-46-7	LA-523-456	U	< 250	ug/kg			1.00	2.5e+02		05/06/08
Phenol	108-95-2	LA-523-456	U	< 150	ug/kg			1.00	1.5e+02		05/06/08
1,2,4-Trichlorobenzene	120-82-1	LA-523-456	U	< 150	ug/kg			1.00	1.5e+02		05/06/08
2,4-Dinitrotoluene	121-14-2	LA-523-456	U	< 150	ug/kg			1.00	1.5e+02		05/06/08
Pyrene	129-00-0	LA-523-456	U	< 150	ug/kg			1.00	1.5e+02		05/06/08
4-Chloro-3-methylphenol	59-50-7	LA-523-456	U	< 150	ug/kg			1.00	1.5e+02		05/06/08
N-Nitrosodi-n-dipropylamine	621-64-7	LA-523-456	U	< 150	ug/kg			1.00	1.5e+02		05/06/08

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

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

D - Analyte was identified at a secondary dilution factor
U - Analyzed for but not detected above limiting criteria.
X - Other flags/notes described in the comments/narrative(inorg)

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WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent
SAF Number: F08-066
Sample # W08GR01082
Client ID: B1TFH1 GPP TRENT WSCF
Matrix: SOIL

Group #: WSCF20080847
Department: Organic
Sampled: 04/23/08
Received: 04/28/08

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
Acenaphthene	83-32-9	LA-523-456	U	< 150	ug/kg			1.00	1.5e+02		05/06/08
Pentachlorophenol	87-86-5	LA-523-456	U	< 210	ug/kg			1.00	2.1e+02		05/06/08
2-Chlorophenol	95-57-8	LA-523-456	U	< 150	ug/kg			1.00	1.5e+02		05/06/08
Tributyl phosphate	126-73-8	LA-523-456	U	< 150	ug/kg			1.00	1.5e+02		05/06/08
1,2,4-Trimethylbenzene	95-63-6	LA-523-456	U	< 190	ug/kg			1.00	1.9e+02		05/06/08

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

B - The analyte < the RDL but >= the IDL/MDL (inorg)
U - Analyzed for but not detected above limiting criteria(inorg)
U - Analyzed for but not detected above limiting criteria.(org)
D - Analyte was identified at a secondary dilution factor
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X - Other flags/notes described in the comments/narrative(inorg)

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WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent
SAF Number: F08-066
Sample # W08GR01084
Client ID: B1TFF3 GPP TRENT WSCF
Matrix: SOIL

Group #: WSCF20080847
Department: Organic
Sampled: 04/21/08
Received: 04/28/08

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
VOA Ground Water Protection											
1,1-Dichloroethene	75-35-4	LA-523-455	U	< 0.990	ug/kg			1.00	0.99		04/30/08
Trichloroethene	79-01-6	LA-523-455	U	< 0.990	ug/kg			1.00	0.99		04/30/08
Benzene	71-43-2	LA-523-455	U	< 0.990	ug/kg			1.00	0.99		04/30/08
Toluene	108-88-3	LA-523-455	U	< 0.990	ug/kg			1.00	0.99		04/30/08
Chlorobenzene	108-90-7	LA-523-455	U	< 0.990	ug/kg			1.00	0.99		04/30/08
1,1-Dichloroethane	75-34-3	LA-523-455	U	< 0.990	ug/kg			1.00	0.99		04/30/08
Ethylbenzene	100-41-4	LA-523-455	U	< 0.990	ug/kg			1.00	0.99		04/30/08
Styrene	100-42-5	LA-523-455	U	< 0.990	ug/kg			1.00	0.99		04/30/08
cis-1,3-Dichloropropene	10061-01-5	LA-523-455	U	< 0.990	ug/kg			1.00	0.99		04/30/08
trans-1,3-Dichloropropene	10061-02-6	LA-523-455	U	< 0.990	ug/kg			1.00	0.99		04/30/08
1,2-Dichloroethane	107-06-2	LA-523-455	U	< 0.990	ug/kg			1.00	0.99		04/30/08
4-Methyl-2-Pentanone	108-10-1	LA-523-455	U	< 0.990	ug/kg			1.00	0.99		04/30/08
Dibromochloromethane	124-48-1	LA-523-455	U	< 0.990	ug/kg			1.00	0.99		04/30/08
Tetrachloroethene	127-18-4	LA-523-455	U	< 0.990	ug/kg			1.00	0.99		04/30/08
Xylenes (total)	1330-20-7	LA-523-455	U	< 0.990	ug/kg			1.00	0.99		04/30/08
1,2-Dichloroethene(Total)	540-59-0	LA-523-455	U	< 0.990	ug/kg			1.00	0.99		04/30/08
Carbon tetrachloride	56-23-5	LA-523-455	U	< 0.990	ug/kg			1.00	0.99		04/30/08
2-Hexanone	591-78-6	LA-523-455	U	< 0.990	ug/kg			1.00	0.99		04/30/08
Acetone	67-64-1	LA-523-455	U	< 0.990	ug/kg			1.00	0.99		04/30/08
Chloroform	67-66-3	LA-523-455	U	< 0.990	ug/kg			1.00	0.99		04/30/08
1,1,1-Trichloroethane	71-55-6	LA-523-455	U	< 0.990	ug/kg			1.00	0.99		04/30/08
Bromomethane	74-83-9	LA-523-455	U	< 0.990	ug/kg			1.00	0.99		04/30/08
Chloromethane	74-87-3	LA-523-455	U	< 0.990	ug/kg			1.00	0.99		04/30/08
Chloroethane	75-00-3	LA-523-455	U	< 0.990	ug/kg			1.00	0.99		04/30/08

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

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

Attention: Steve Trent
SAF Number: F08-066
Sample # W08GR01084
Client ID: B1TFF3 GPP TRENT WSCF
Matrix: SOIL

Group #: WSCF20080847
Department: Organic
Sampled: 04/21/08
Received: 04/28/08

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
Vinyl chloride	75-01-4	LA-523-455	U	< 0.990	ug/kg			1.00	0.99		04/30/08
Methylenechloride	75-09-2	LA-523-455	U	< 0.990	ug/kg			1.00	0.99		04/30/08
Carbon disulfide	75-15-0	LA-523-455	U	< 0.990	ug/kg			1.00	0.99		04/30/08
Bromoform	75-25-2	LA-523-455	U	< 0.990	ug/kg			1.00	0.99		04/30/08
Bromodichloromethane	75-27-4	LA-523-455	U	< 0.990	ug/kg			1.00	0.99		04/30/08
1,2-Dichloropropane	78-87-5	LA-523-455	U	< 0.990	ug/kg			1.00	0.99		04/30/08
2-Butanone	78-93-3	LA-523-455	U	< 0.990	ug/kg			1.00	0.99		04/30/08
1,1,2-Trichloroethane	79-00-5	LA-523-455	U	< 0.990	ug/kg			1.00	0.99		04/30/08
1,1,2,2-Tetrachloroethane	79-34-5	LA-523-455	U	< 0.990	ug/kg			1.00	0.99		04/30/08
Hexane	110-54-3	LA-523-455	U	< 0.990	ug/kg			1.00	0.99		04/30/08
Tetrahydrofuran	109-99-9	LA-523-455	U	< 2.00	ug/kg			1.00	2.0		04/30/08
Acetonitrile	75-05-8	LA-523-455	U	< 2.00	ug/kg			1.00	2.0		04/30/08

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

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

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WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent
SAF Number: F08-066
Sample # W08GR01085
Client ID: B1TFD7 GPP TRENT WSCF
Matrix: SOIL

Group #: WSCF20080847
Department: Organic
Sampled: 04/17/08
Received: 04/28/08

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
VOA Ground Water Protection											
1,1-Dichloroethene	75-35-4	LA-523-455	U	< 1.00	ug/kg			1.00	1.0		04/30/08
Trichloroethene	79-01-6	LA-523-455	U	< 1.00	ug/kg			1.00	1.0		04/30/08
Benzene	71-43-2	LA-523-455	U	< 1.00	ug/kg			1.00	1.0		04/30/08
Toluene	108-88-3	LA-523-455	U	< 1.00	ug/kg			1.00	1.0		04/30/08
Chlorobenzene	108-90-7	LA-523-455	U	< 1.00	ug/kg			1.00	1.0		04/30/08
1,1-Dichloroethane	75-34-3	LA-523-455	U	< 1.00	ug/kg			1.00	1.0		04/30/08
Ethylbenzene	100-41-4	LA-523-455	U	< 1.00	ug/kg			1.00	1.0		04/30/08
Styrene	100-42-5	LA-523-455	U	< 1.00	ug/kg			1.00	1.0		04/30/08
cis-1,3-Dichloropropene	10061-01-5	LA-523-455	U	< 1.00	ug/kg			1.00	1.0		04/30/08
trans-1,3-Dichloropropene	10061-02-6	LA-523-455	U	< 1.00	ug/kg			1.00	1.0		04/30/08
1,2-Dichloroethane	107-06-2	LA-523-455	U	< 1.00	ug/kg			1.00	1.0		04/30/08
4-Methyl-2-Pentanone	108-10-1	LA-523-455	U	< 1.00	ug/kg			1.00	1.0		04/30/08
Dibromochloromethane	124-48-1	LA-523-455	U	< 1.00	ug/kg			1.00	1.0		04/30/08
Tetrachloroethene	127-18-4	LA-523-455	U	< 1.00	ug/kg			1.00	1.0		04/30/08
Xylenes (total)	1330-20-7	LA-523-455	U	< 1.00	ug/kg			1.00	1.0		04/30/08
1,2-Dichloroethene(Total)	540-59-0	LA-523-455	U	< 1.00	ug/kg			1.00	1.0		04/30/08
Carbon tetrachloride	56-23-5	LA-523-455	U	< 1.00	ug/kg			1.00	1.0		04/30/08
2-Hexanone	591-78-6	LA-523-455	U	< 1.00	ug/kg			1.00	1.0		04/30/08
Acetone	67-64-1	LA-523-455	U	< 1.00	ug/kg			1.00	1.0		04/30/08
Chloroform	67-66-3	LA-523-455	U	< 1.00	ug/kg			1.00	1.0		04/30/08
1,1,1-Trichloroethane	71-55-6	LA-523-455	U	< 1.00	ug/kg			1.00	1.0		04/30/08
Bromomethane	74-83-9	LA-523-455	U	< 1.00	ug/kg			1.00	1.0		04/30/08
Chloromethane	74-87-3	LA-523-455	U	< 1.00	ug/kg			1.00	1.0		04/30/08
Chloroethane	75-00-3	LA-523-455	U	< 1.00	ug/kg			1.00	1.0		04/30/08

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

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WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent
SAF Number: F08-066
Sample # W08GR01085
Client ID: B1TFD7 GPP TRENT WSCF
Matrix: SOIL

Group #: WSCF20080847
Department: Organic
Sampled: 04/17/08
Received: 04/28/08

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
Vinyl chloride	75-01-4	LA-523-455	U	< 1.00	ug/kg			1.00	1.0		04/30/08
Methylenechloride	75-09-2	LA-523-455	U	< 1.00	ug/kg			1.00	1.0		04/30/08
Carbon disulfide	75-15-0	LA-523-455	U	< 1.00	ug/kg			1.00	1.0		04/30/08
Bromoform	75-25-2	LA-523-455	U	< 1.00	ug/kg			1.00	1.0		04/30/08
Bromodichloromethane	75-27-4	LA-523-455	U	< 1.00	ug/kg			1.00	1.0		04/30/08
1,2-Dichloropropane	78-87-5	LA-523-455	U	< 1.00	ug/kg			1.00	1.0		04/30/08
2-Butanone	78-93-3	LA-523-455	U	< 1.00	ug/kg			1.00	1.0		04/30/08
1,1,2-Trichloroethane	79-00-5	LA-523-455	U	< 1.00	ug/kg			1.00	1.0		04/30/08
1,1,2,2-Tetrachloroethane	79-34-5	LA-523-455	U	< 1.00	ug/kg			1.00	1.0		04/30/08
Hexane	110-54-3	LA-523-455	U	< 1.00	ug/kg			1.00	1.0		04/30/08
Tetrahydrofuran	109-99-9	LA-523-455	U	< 2.10	ug/kg			1.00	2.1		04/30/08
Acetonitrile	75-05-8	LA-523-455	U	< 2.10	ug/kg			1.00	2.1		04/30/08

MDL=Minimum Detection Limit
RQ=Result Qualifier
TP Err=Total Propagated Error
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WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent
SAF Number: F08-066
Sample # W08GR01086
Client ID: B1TFF6 GPP TRENT WSCF
Matrix: SOIL

Group #: WSCF20080847
Department: Organic
Sampled: 04/22/08
Received: 04/28/08

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
VOA Ground Water Protection											
1,1-Dichloroethene	75-35-4	LA-523-455	U	< 1.00	ug/kg			1.00	1.0		04/30/08
Trichloroethene	79-01-6	LA-523-455	U	< 1.00	ug/kg			1.00	1.0		04/30/08
Benzene	71-43-2	LA-523-455	U	< 1.00	ug/kg			1.00	1.0		04/30/08
Toluene	108-88-3	LA-523-455	U	< 1.00	ug/kg			1.00	1.0		04/30/08
Chlorobenzene	108-90-7	LA-523-455	U	< 1.00	ug/kg			1.00	1.0		04/30/08
1,1-Dichloroethane	75-34-3	LA-523-455	U	< 1.00	ug/kg			1.00	1.0		04/30/08
Ethylbenzene	100-41-4	LA-523-455	U	< 1.00	ug/kg			1.00	1.0		04/30/08
Styrene	100-42-5	LA-523-455	U	< 1.00	ug/kg			1.00	1.0		04/30/08
cis-1,3-Dichloropropene	10061-01-5	LA-523-455	U	< 1.00	ug/kg			1.00	1.0		04/30/08
trans-1,3-Dichloropropene	10061-02-6	LA-523-455	U	< 1.00	ug/kg			1.00	1.0		04/30/08
1,2-Dichloroethane	107-06-2	LA-523-455	U	< 1.00	ug/kg			1.00	1.0		04/30/08
4-Methyl-2-Pentanone	108-10-1	LA-523-455	U	< 1.00	ug/kg			1.00	1.0		04/30/08
Dibromochloromethane	124-48-1	LA-523-455	U	< 1.00	ug/kg			1.00	1.0		04/30/08
Tetrachloroethene	127-18-4	LA-523-455	U	< 1.00	ug/kg			1.00	1.0		04/30/08
Xylenes (total)	1330-20-7	LA-523-455	U	< 1.00	ug/kg			1.00	1.0		04/30/08
1,2-Dichloroethene(Total)	540-59-0	LA-523-455	U	< 1.00	ug/kg			1.00	1.0		04/30/08
Carbon tetrachloride	56-23-5	LA-523-455	U	< 1.00	ug/kg			1.00	1.0		04/30/08
2-Hexanone	591-78-6	LA-523-455	U	< 1.00	ug/kg			1.00	1.0		04/30/08
Acetone	67-64-1	LA-523-455	U	< 1.00	ug/kg			1.00	1.0		04/30/08
Chloroform	67-66-3	LA-523-455	U	< 1.00	ug/kg			1.00	1.0		04/30/08
1,1,1-Trichloroethane	71-55-6	LA-523-455	U	< 1.00	ug/kg			1.00	1.0		04/30/08
Bromomethane	74-83-9	LA-523-455	U	< 1.00	ug/kg			1.00	1.0		04/30/08
Chloromethane	74-87-3	LA-523-455	U	< 1.00	ug/kg			1.00	1.0		04/30/08
Chloroethane	75-00-3	LA-523-455	U	< 1.00	ug/kg			1.00	1.0		04/30/08

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TP Err = Total Propagated Error
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WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent
SAF Number: F08-066
Sample # W08GR01086
Client ID: B1TFF6 GPP TRENT WSCF
Matrix: SOIL

Group #: WSCF20080847
Department: Organic
Sampled: 04/22/08
Received: 04/28/08

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
Vinyl chloride	75-01-4	LA-523-455	U	< 1.00	ug/kg			1.00	1.0		04/30/08
Methylenechloride	75-09-2	LA-523-455	U	< 1.00	ug/kg			1.00	1.0		04/30/08
Carbon disulfide	75-15-0	LA-523-455	U	< 1.00	ug/kg			1.00	1.0		04/30/08
Bromoform	75-25-2	LA-523-455	U	< 1.00	ug/kg			1.00	1.0		04/30/08
Bromodichloromethane	75-27-4	LA-523-455	U	< 1.00	ug/kg			1.00	1.0		04/30/08
1,2-Dichloropropane	78-87-5	LA-523-455	U	< 1.00	ug/kg			1.00	1.0		04/30/08
2-Butanone	78-93-3	LA-523-455	U	< 1.00	ug/kg			1.00	1.0		04/30/08
1,1,2-Trichloroethane	79-00-5	LA-523-455	U	< 1.00	ug/kg			1.00	1.0		04/30/08
1,1,2,2-Tetrachloroethane	79-34-5	LA-523-455	U	< 1.00	ug/kg			1.00	1.0		04/30/08
Hexane	110-54-3	LA-523-455	U	< 1.00	ug/kg			1.00	1.0		04/30/08
Tetrahydrofuran	109-99-9	LA-523-455	U	< 2.00	ug/kg			1.00	2.0		04/30/08
Acetonitrile	75-05-8	LA-523-455	U	< 2.00	ug/kg			1.00	2.0		04/30/08

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

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WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent
SAF Number: F08-066
Sample # W08GR01087
Client ID: B1TFF9 GPP WSCF TRENT **Matrix:** SOIL

Group #: WSCF20080847
Department: Organic
Sampled: 04/23/08
Received: 04/28/08

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
VOA Ground Water Protection											
1,1-Dichloroethene	75-35-4	LA-523-455	U	< 0.960	ug/kg			1.00	0.96		04/30/08
Trichloroethene	79-01-6	LA-523-455	U	< 0.960	ug/kg			1.00	0.96		04/30/08
Benzene	71-43-2	LA-523-455	U	< 0.960	ug/kg			1.00	0.96		04/30/08
Toluene	108-88-3	LA-523-455	U	< 0.960	ug/kg			1.00	0.96		04/30/08
Chlorobenzene	108-90-7	LA-523-455	U	< 0.960	ug/kg			1.00	0.96		04/30/08
1,1-Dichloroethane	75-34-3	LA-523-455	U	< 0.960	ug/kg			1.00	0.96		04/30/08
Ethylbenzene	100-41-4	LA-523-455	U	< 0.960	ug/kg			1.00	0.96		04/30/08
Styrene	100-42-5	LA-523-455	U	< 0.960	ug/kg			1.00	0.96		04/30/08
cis-1,3-Dichloropropene	10061-01-5	LA-523-455	U	< 0.960	ug/kg			1.00	0.96		04/30/08
trans-1,3-Dichloropropene	10061-02-6	LA-523-455	U	< 0.960	ug/kg			1.00	0.96		04/30/08
1,2-Dichloroethane	107-06-2	LA-523-455	U	< 0.960	ug/kg			1.00	0.96		04/30/08
4-Methyl-2-Pentanone	108-10-1	LA-523-455	U	< 0.960	ug/kg			1.00	0.96		04/30/08
Dibromochloromethane	124-48-1	LA-523-455	U	< 0.960	ug/kg			1.00	0.96		04/30/08
Tetrachloroethene	127-18-4	LA-523-455	U	< 0.960	ug/kg			1.00	0.96		04/30/08
Xylenes (total)	1330-20-7	LA-523-455	U	< 0.960	ug/kg			1.00	0.96		04/30/08
1,2-Dichloroethene(Total)	540-59-0	LA-523-455	U	< 0.960	ug/kg			1.00	0.96		04/30/08
Carbon tetrachloride	56-23-5	LA-523-455	U	< 0.960	ug/kg			1.00	0.96		04/30/08
2-Hexanone	591-78-6	LA-523-455	U	< 0.960	ug/kg			1.00	0.96		04/30/08
Acetone	67-64-1	LA-523-455	U	< 0.960	ug/kg			1.00	0.96		04/30/08
Chloroform	67-66-3	LA-523-455	U	< 0.960	ug/kg			1.00	0.96		04/30/08
1,1,1-Trichloroethane	71-55-6	LA-523-455	U	< 0.960	ug/kg			1.00	0.96		04/30/08
Bromomethane	74-83-9	LA-523-455	U	< 0.960	ug/kg			1.00	0.96		04/30/08
Chloromethane	74-87-3	LA-523-455	U	< 0.960	ug/kg			1.00	0.96		04/30/08
Chloroethane	75-00-3	LA-523-455	U	< 0.960	ug/kg			1.00	0.96		04/30/08

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

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

D - Analyte was identified at a secondary dilution factor
U - Analyzed for but not detected above limiting criteria.
X - Other flags/notes described in the comments/narrative(inorg)

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

WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent
SAF Number: F08-066
Sample # W08GR01087
Client ID: B1TFF9 GPP TRENT WSCF
Matrix: SOIL

Group #: WSCF20080847
Department: Organic
Sampled: 04/23/08
Received: 04/28/08

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
Vinyl chloride	75-01-4	LA-523-455	U	< 0.960	ug/kg			1.00	0.96		04/30/08
Methylenechloride	75-09-2	LA-523-455	U	< 0.960	ug/kg			1.00	0.96		04/30/08
Carbon disulfide	75-15-0	LA-523-455	U	< 0.960	ug/kg			1.00	0.96		04/30/08
Bromoform	75-25-2	LA-523-455	U	< 0.960	ug/kg			1.00	0.96		04/30/08
Bromodichloromethane	75-27-4	LA-523-455	U	< 0.960	ug/kg			1.00	0.96		04/30/08
1,2-Dichloropropane	78-87-5	LA-523-455	U	< 0.960	ug/kg			1.00	0.96		04/30/08
2-Butanone	78-93-3	LA-523-455	U	< 0.960	ug/kg			1.00	0.96		04/30/08
1,1,2-Trichloroethane	79-00-5	LA-523-455	U	< 0.960	ug/kg			1.00	0.96		04/30/08
1,1,2,2-Tetrachloroethane	79-34-5	LA-523-455	U	< 0.960	ug/kg			1.00	0.96		04/30/08
Hexane	110-54-3	LA-523-455	U	< 0.960	ug/kg			1.00	0.96		04/30/08
Tetrahydrofuran	109-99-9	LA-523-455	U	< 1.90	ug/kg			1.00	1.9		04/30/08
Acetonitrile	75-05-8	LA-523-455	U	< 1.90	ug/kg			1.00	1.9		04/30/08

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

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

D - Analyte was identified at a secondary dilution factor
U - Analyzed for but not detected above limiting criteria.
X - Other flags/notes described in the comments/narrative(inorg)

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

WSCF
TENTATIVELY IDENTIFIED PEAK REPORT

Attention: Steve Trent
Project Number F08-066 :F08-066

Group #: WSCF20080847
Department: Organic

Sample #	Client ID			Test Name	Peak Name	CAS#	RT	RQ	Result	Units
W08GR01075	B1TFF2	GPP	TRENT	SW-846 8270C Semi-Vols	SMP 13.485 Di-n-butylphthalate	84-74-2	13.48526		6.9e+02	ug/kg
W08GR01078	B1TFF5	GPP	TRENT	SW-846 8270C Semi-Vols	SMP 13.490 Di-n-butylphthalate	84-74-2	13.49055		2.4e+02	ug/kg
W08GR01079	B1TFD9	GPP	TRENT	SW-846 8270C Semi-Vols	SMP 13.485 Di-n-butylphthalate	84-74-2	13.48528		3.2e+02	ug/kg
W08GR01080	B1TFF8	GPP	TRENT	SW-846 8270C Semi-Vols	SMP 13.480 Di-n-butylphthalate	84-74-2	13.48011		2.5e+02	ug/kg
W08GR01082	B1TFH1	GPP	TRENT	SW-846 8270C Semi-Vols	SMP 13.479 Di-n-butylphthalate	84-74-2	13.47995		4.7e+02	ug/kg

RQ=Result Qualifier

WSCF ANALYTICAL LABORATORY QC REPORT

Department: Organic

SDG Number: WSCF20080847
Matrix: SOLID
Test: PCBs complete list

Sample Date: 03/31/08
Receive Date:04/15/08

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Lower Limit	Upper Limit	RPD(%)	RPD Limit	RQ	Analysis Date
Lab ID: W08GR01033											
BATCH QC ASSOCIATED WITH SAMPLE											
MS	Aroclor-1260	11096-82-5	214.74	103.000	% Recov	75.000	125.000				05/06/08
MS	Decachlorobiphenyl	2051-24-3	204.34	98.100	% Recov	50.000	150.000				05/06/08
MS	Tetrachloro-m-xylene	877-09-8	195.45	93.800	% Recov	50.000	150.000				05/06/08
MSD	Aroclor-1260	11096-82-5	213.48	106.000	% Recov	75.000	125.000				05/06/08
MSD	Decachlorobiphenyl	2051-24-3	201.16	100.000	% Recov	50.000	150.000				05/06/08
MSD	Tetrachloro-m-xylene	877-09-8	193.50	96.400	% Recov	50.000	150.000				05/06/08
SPK-RPD	Aroclor-1260	11096-82-5	106.000		RPD			2.871	25.000		05/06/08
SPK-RPD	Decachlorobiphenyl	2051-24-3	100.000		RPD			1.918	20.000		05/06/08
SPK-RPD	Tetrachloro-m-xylene	877-09-8	96.400		RPD			2.734	20.000		05/06/08
Lab ID: W08GR01075											
BATCH QC ASSOCIATED WITH SAMPLE											
SURR	Decachlorobiphenyl	2051-24-3	198.30	99.900	% Recov	50.000	150.000				05/06/08
SURR	Tetrachloro-m-xylene	877-09-8	187.18	94.300	% Recov	50.000	150.000				05/06/08
Lab ID: W08GR01078											
BATCH QC ASSOCIATED WITH SAMPLE											
SURR	Decachlorobiphenyl	2051-24-3	200.66	98.600	% Recov	50.000	150.000				05/06/08
SURR	Tetrachloro-m-xylene	877-09-8	185.55	91.200	% Recov	50.000	150.000				05/06/08
Lab ID: W08GR01079											
BATCH QC ASSOCIATED WITH SAMPLE											
SURR	Decachlorobiphenyl	2051-24-3	208.09	98.400	% Recov	50.000	150.000				05/06/08
SURR	Tetrachloro-m-xylene	877-09-8	195.62	92.500	% Recov	50.000	150.000				05/06/08

WSCF ANALYTICAL LABORATORY QC REPORT

Department: Organic

SDG Number: WSCF20080847
Matrix: SOLID
Test: PCBs complete list

Sample Date: 04/22/08
Receive Date:04/28/08

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Lower Limit	Upper Limit	RPD(%)	RPD Limit	RQ	Analysis Date
Lab ID: W08GR01080											
BATCH QC ASSOCIATED WITH SAMPLE											
SURR	Decachlorobiphenyl	2051-24-3	204.56	98.700	% Recov	50.000	150.000				05/06/08
SURR	Tetrachloro-m-xylene	877-09-8	195.95	94.600	% Recov	50.000	150.000				05/06/08
Lab ID: W08GR01082											
BATCH QC ASSOCIATED WITH SAMPLE											
SURR	Decachlorobiphenyl	2051-24-3	207.59	101.000	% Recov	50.000	150.000				05/06/08
SURR	Tetrachloro-m-xylene	877-09-8	187.50	91.200	% Recov	50.000	150.000				05/06/08
BATCH QC											
BLANK	Aroclor-1016	12674-11-2	< 10	n/a	UGKG					U	05/06/08
BLANK	Aroclor-1221	11104-28-2	< 20	n/a	ug/Kg					U	05/06/08
BLANK	Aroclor-1232	11141-16-5	< 10	n/a	ug/Kg					U	05/06/08
BLANK	Aroclor-1242	53469-21-9	< 10	n/a	ug/Kg					U	05/06/08
BLANK	Aroclor-1248	12672-29-6	< 10	n/a	ug/Kg					U	05/06/08
BLANK	Aroclor-1254	11097-69-1	< 10	n/a	ug/Kg					U	05/06/08
BLANK	Aroclor-1260	11096-82-5	< 10	n/a	ug/Kg					U	05/06/08
BLANK	Aroclor-1262	37324-23-5	< 10	n/a	ug/Kg					U	05/06/08
BLANK	Aroclor-1268	11100-14-4	< 10	n/a	ug/Kg					U	05/06/08
BLANK	Decachlorobiphenyl	2051-24-3	191.10	95.600	% Recov	50.000	150.000				05/06/08
BLANK	Tetrachloro-m-xylene	877-09-8	185.59	92.800	% Recov	50.000	150.000				05/06/08
LCS	Aroclor-1260	11096-82-5	205.86	103.000	% Recov	70.000	130.000				05/06/08
LCS	Decachlorobiphenyl	2051-24-3	198.16	99.100	% Recov	50.000	150.000				05/06/08
LCS	Tetrachloro-m-xylene	877-09-8	185.66	92.800	% Recov	50.000	150.000				05/06/08

WSCF ANALYTICAL LABORATORY QC REPORT

Department: Organic

SDG Number: WSCF20080847
Matrix: SOLID
Test: SW-846 8270C Semi-Vols

Sample Date: 03/26/08
Receive Date:04/15/08

Lab ID: W08GR01038
BATCH QC ASSOCIATED WITH SAMPLE

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Lower Limit	Upper Limit	RPD(%)	RPD Limit	RQ	Analysis Date
MS	1,2,4-Trichlorobenzene	120-82-1	4855.4	109.000	% Recov	75.000	121.000				05/06/08
MS	1,4-Dichlorobenzene	106-46-7	4834.2	109.000	% Recov	68.000	121.000				05/06/08
MS	2,4-Dinitrotoluene	121-14-2	4628.0	104.000	% Recov	66.000	113.000				05/06/08
MS	2-Fluorophenol(Surr)	367-12-4	4428.8	99.900	% Recov	72.000	120.000				05/06/08
MS	Acenaphthene	83-32-9	5009.1	113.000	% Recov	69.000	125.000				05/06/08
MS	4-Chloro-3-methylphenol	59-50-7	7004.0	105.000	% Recov	68.000	116.000				05/06/08
MS	2-Chlorophenol	95-57-8	6983.5	105.000	% Recov	65.000	124.000				05/06/08
MS	N-Nitrosodi-n-dipropylamine	621-64-7	4919.2	111.000	% Recov	69.000	127.000				05/06/08
MS	2-Fluorobiphenyl(Surr)	321-60-8	4763.2	107.000	% Recov	66.000	122.000				05/06/08
MS	Phenol	108-95-2	7009.8	105.000	% Recov	71.000	122.000				05/06/08
MS	Nitrobenzene-d5(Surr)	4165-60-0	4747.5	107.000	% Recov	63.000	125.000				05/06/08
MS	4-Nitrophenol	100-02-7	5908.3	88.800	% Recov	55.000	113.000				05/06/08
MS	Pentachlorophenol	87-86-5	5767.6	86.700	% Recov	50.000	113.000				05/06/08
MS	Phenol-d5(Surr)	4165-62-2	4699.5	106.000	% Recov	66.000	124.000				05/06/08
MS	Pyrene	129-00-0	5508.6	124.000	% Recov	67.000	125.000				05/06/08
MS	2,4,6-Tribromophenol(Surr)	118-79-6	4594.5	104.000	% Recov	49.000	120.000				05/06/08
MS	Terphenyl-d14(Surr)	98904-43-9	5356.6	121.000	% Recov	58.000	128.000				05/06/08
MSD	1,2,4-Trichlorobenzene	120-82-1	4965.4	112.000	% Recov	75.000	121.000				05/06/08
MSD	1,4-Dichlorobenzene	106-46-7	4770.4	108.000	% Recov	68.000	121.000				05/06/08
MSD	2,4-Dinitrotoluene	121-14-2	4720.4	107.000	% Recov	66.000	113.000				05/06/08
MSD	2-Fluorophenol(Surr)	367-12-4	4652.6	105.000	% Recov	72.000	120.000				05/06/08
MSD	Acenaphthene	83-32-9	5116.2	116.000	% Recov	69.000	125.000				05/06/08
MSD	4-Chloro-3-methylphenol	59-50-7	7395.4	111.000	% Recov	68.000	116.000				05/06/08
MSD	2-Chlorophenol	95-57-8	7185.2	108.000	% Recov	65.000	124.000				05/06/08
MSD	N-Nitrosodi-n-dipropylamine	621-64-7	5172.5	117.000	% Recov	69.000	127.000				05/06/08
MSD	2-Fluorobiphenyl(Surr)	321-60-8	4923.2	111.000	% Recov	66.000	122.000				05/06/08

WSCF ANALYTICAL LABORATORY QC REPORT

Department: Organic

SDG Number: WSCF20080847
Matrix: SOLID
Test: SW-846 8270C Semi-Vols

Sample Date: 03/26/08
Receive Date:04/15/08

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Lower Limit	Upper Limit	RPD(%)	RPD Limit	RQ	Analysis Date
MSD	Phenol	108-95-2	7386.0	111.000	% Recov	71.000	122.000				05/06/08
MSD	Nitrobenzene-d5(Surr)	4165-60-0	4904.8	111.000	% Recov	63.000	125.000				05/06/08
MSD	4-Nitrophenol	100-02-7	6615.4	99.700	% Recov	55.000	113.000				05/06/08
MSD	Pentachlorophenol	87-86-5	6594.1	99.300	% Recov	50.000	113.000				05/06/08
MSD	Phenol-d5(Surr)	4165-62-2	4740.8	107.000	% Recov	66.000	124.000				05/06/08
MSD	Pyrene	129-00-0	5471.2	124.000	% Recov	67.000	125.000				05/06/08
MSD	2,4,6-Tribromophenol(Surr)	118-79-6	4730.5	107.000	% Recov	49.000	120.000				05/06/08
MSD	Terphenyl-d14(Surr)	98904-43-9	5552.1	125.000	% Recov	58.000	128.000				05/06/08
SPK-RPD	1,2,4-Trichlorobenzene	120-82-1	112.000		RPD			2.715	20.000		05/06/08
SPK-RPD	1,4-Dichlorobenzene	106-46-7	108.000		RPD			0.922	20.000		05/06/08
SPK-RPD	2,4-Dinitrotoluene	121-14-2	107.000		RPD			2.844	20.000		05/06/08
SPK-RPD	2-Fluorophenol(Surr)	367-12-4	105.000		RPD			4.978	20.000		05/06/08
SPK-RPD	Acenaphthene	83-32-9	116.000		RPD			2.620	20.000		05/06/08
SPK-RPD	4-Chloro-3-methylphenol	59-50-7	111.000		RPD			5.556	20.000		05/06/08
SPK-RPD	2-Chlorophenol	95-57-8	108.000		RPD			2.817	20.000		05/06/08
SPK-RPD	N-Nitrosodi-n-dipropylamine	621-64-7	117.000		RPD			5.263	20.000		05/06/08
SPK-RPD	2-Fluorobiphenyl(Surr)	321-60-8	111.000		RPD			3.670	20.000		05/06/08
SPK-RPD	Phenol	108-95-2	111.000		RPD			5.556	20.000		05/06/08
SPK-RPD	Nitrobenzene-d5(Surr)	4165-60-0	111.000		RPD			3.670	20.000		05/06/08
SPK-RPD	4-Nitrophenol	100-02-7	99.700		RPD			11.565	20.000		05/06/08
SPK-RPD	Pentachlorophenol	87-86-5	99.300		RPD			13.548	20.000		05/06/08
SPK-RPD	Phenol-d5(Surr)	4165-62-2	107.000		RPD			0.939	20.000		05/06/08
SPK-RPD	Pyrene	129-00-0	124.000		RPD			0.000	20.000		05/06/08
SPK-RPD	2,4,6-Tribromophenol(Surr)	118-79-6	107.000		RPD			2.844	20.000		05/06/08
SPK-RPD	Terphenyl-d14(Surr)	98904-43-9	125.000		RPD			3.252	20.000		05/06/08

Lab ID: W08GR01075
BATCH QC ASSOCIATED WITH SAMPLE

SURR	2-Fluorophenol(Surr)	367-12-4	4275.3	106.000	% Recov	72.000	120.000				05/06/08
SURR	2-Fluorobiphenyl(Surr)	321-60-8	4283.0	106.000	% Recov	66.000	122.000				05/06/08

WSCF ANALYTICAL LABORATORY QC REPORT

Department: Organic

SDG Number: WSCF20080847
Matrix: SOLID
Test: SW-846 8270C Semi-Vols

Sample Date: 04/17/08
Receive Date:04/28/08

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Lower Limit	Upper Limit	RPD(%)	RPD Limit	RQ	Analysis Date
SURR	Nitrobenzene-d5(Surr)	4165-60-0	4428.6	109.000	% Recov	63.000	125.000				05/06/08
SURR	Phenol-d5(Surr)	4165-62-2	4286.9	106.000	% Recov	66.000	124.000				05/06/08
SURR	2,4,6-Tribromophenol(Surr)	118-79-6	3721.5	91.800	% Recov	49.000	120.000				05/06/08
SURR	Terphenyl-d14(Surr)	98904-43-9	4736.5	117.000	% Recov	58.000	128.000				05/06/08
Lab ID: W08GR01078											
BATCH QC ASSOCIATED WITH SAMPLE											
SURR	2-Fluorophenol(Surr)	367-12-4	3611.7	87.400	% Recov	72.000	120.000				05/06/08
SURR	2-Fluorobiphenyl(Surr)	321-60-8	3747.6	90.700	% Recov	66.000	122.000				05/06/08
SURR	Nitrobenzene-d5(Surr)	4165-60-0	3901.6	94.400	% Recov	63.000	125.000				05/06/08
SURR	Phenol-d5(Surr)	4165-62-2	3726.3	90.200	% Recov	66.000	124.000				05/06/08
SURR	2,4,6-Tribromophenol(Surr)	118-79-6	3004.9	72.700	% Recov	49.000	120.000				05/06/08
SURR	Terphenyl-d14(Surr)	98904-43-9	4188.1	101.000	% Recov	58.000	128.000				05/06/08
Lab ID: W08GR01079											
BATCH QC ASSOCIATED WITH SAMPLE											
SURR	2-Fluorophenol(Surr)	367-12-4	4235.4	99.500	% Recov	72.000	120.000				05/06/08
SURR	2-Fluorobiphenyl(Surr)	321-60-8	4423.5	104.000	% Recov	66.000	122.000				05/06/08
SURR	Nitrobenzene-d5(Surr)	4165-60-0	4571.3	107.000	% Recov	63.000	125.000				05/06/08
SURR	Phenol-d5(Surr)	4165-62-2	4277.6	100.000	% Recov	66.000	124.000				05/06/08
SURR	2,4,6-Tribromophenol(Surr)	118-79-6	3625.2	85.200	% Recov	49.000	120.000				05/06/08
SURR	Terphenyl-d14(Surr)	98904-43-9	5058.7	119.000	% Recov	58.000	128.000				05/06/08
Lab ID: W08GR01080											
BATCH QC ASSOCIATED WITH SAMPLE											
SURR	2-Fluorophenol(Surr)	367-12-4	4278.0	103.000	% Recov	72.000	120.000				05/06/08
SURR	2-Fluorobiphenyl(Surr)	321-60-8	4356.6	104.000	% Recov	66.000	122.000				05/06/08
SURR	Nitrobenzene-d5(Surr)	4165-60-0	4408.3	106.000	% Recov	63.000	125.000				05/06/08
SURR	Phenol-d5(Surr)	4165-62-2	4293.5	103.000	% Recov	66.000	124.000				05/06/08
SURR	2,4,6-Tribromophenol(Surr)	118-79-6	3335.0	79.900	% Recov	49.000	120.000				05/06/08

WSCF ANALYTICAL LABORATORY QC REPORT

Department: Organic

SDG Number: WSCF20080847
Matrix: SOLID
Test: SW-846 8270C Semi-Vols

Sample Date: 04/22/08
Receive Date:04/28/08

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Lower Limit	Upper Limit	RPD(%)	RPD Limit	RQ	Analysis Date
SURR	Terphenyl-d14(Surr)	98904-43-9	5087.4	122.000	% Recov	58.000	128.000				05/06/08
Lab ID: W08GR01082											
BATCH QC ASSOCIATED WITH SAMPLE											
SURR	2-Fluorophenol(Surr)	367-12-4	3709.3	88.000	% Recov	72.000	120.000				05/06/08
SURR	2-Fluorobiphenyl(Surr)	321-60-8	3622.0	85.900	% Recov	66.000	122.000				05/06/08
SURR	Nitrobenzene-d5(Surr)	4165-60-0	3825.2	90.800	% Recov	63.000	125.000				05/06/08
SURR	Phenol-d5(Surr)	4165-62-2	3600.4	85.400	% Recov	66.000	124.000				05/06/08
SURR	2,4,6-Tribromophenol(Surr)	118-79-6	2906.6	69.000	% Recov	49.000	120.000				05/06/08
SURR	Terphenyl-d14(Surr)	98904-43-9	4456.3	106.000	% Recov	58.000	128.000				05/06/08
BATCH QC											
BLANK	1,2,4-Trimethylbenzene	95-63-6	< 180	n/a	ug/Kg					U	05/06/08
BLANK	1,2,4-Trichlorobenzene	120-82-1	< 140	n/a	ug/Kg					U	05/06/08
BLANK	1,4-Dichlorobenzene	106-46-7	< 240	n/a	ug/Kg					U	05/06/08
BLANK	2,4-Dinitrotoluene	121-14-2	< 140	n/a	ug/Kg					U	05/06/08
BLANK	2-Fluorophenol(Surr)	367-12-4	3245.6	81.100	% Recov	72.000	120.000				05/06/08
BLANK	Acenaphthene	83-32-9	< 140	n/a	ug/Kg					U	05/06/08
BLANK	4-Chloro-3-methylphenol	59-50-7	< 140	n/a	ug/Kg					U	05/06/08
BLANK	2-Chlorophenol	95-57-8	< 140	n/a	ug/Kg					U	05/06/08
BLANK	N-Nitrosodi-n-dipropylamine	621-64-7	< 140	n/a	ug/Kg					U	05/06/08
BLANK	2-Fluorobiphenyl(Surr)	321-60-8	3223.3	80.600	% Recov	66.000	122.000				05/06/08
BLANK	Phenol	108-95-2	< 140	n/a	ug/Kg					U	05/06/08
BLANK	Nitrobenzene-d5(Surr)	4165-60-0	3268.5	81.700	% Recov	63.000	125.000				05/06/08
BLANK	4-Nitrophenol	100-02-7	< 200	n/a	ug/Kg					U	05/06/08
BLANK	Pentachlorophenol	87-86-5	< 200	n/a	ug/Kg					U	05/06/08
BLANK	Phenol-d5(Surr)	4165-62-2	3227.2	80.700	% Recov	66.000	124.000				05/06/08
BLANK	Pyrene	129-00-0	< 140	n/a	ug/Kg					U	05/06/08
BLANK	Tributyl phosphate	126-73-8	< 140	n/a	ug/Kg					U	05/06/08
BLANK	2,4,6-Tribromophenol(Surr)	118-79-6	2693.6	67.300	% Recov	49.000	120.000				05/06/08

WSCF ANALYTICAL LABORATORY QC REPORT

Department: Organic

SDG Number: WSCF20080847
Matrix: SOLID
Test: SW-846 8270C Semi-Vols

Sample Date:
Receive Date:

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Lower Limit	Upper Limit	RPD(%)	RPD Limit	RQ	Analysis Date
BLANK	Terphenyl-d14(Surr)	98904-43-9	3511.7	87.800	% Recov	58.000	128.000				05/06/08
LCS	1,2,4-Trichlorobenzene	120-82-1	4451.0	111.000	% Recov	76.000	118.000				05/06/08
LCS	1,4-Dichlorobenzene	106-46-7	4474.7	112.000	% Recov	68.000	121.000				05/06/08
LCS	2,4-Dinitrotoluene	121-14-2	4243.3	106.000	% Recov	68.000	112.000				05/06/08
LCS	2-Fluorophenol(Surr)	367-12-4	4399.7	110.000	% Recov	50.000	110.000				05/06/08
LCS	Acenaphthene	83-32-9	4541.2	114.000	% Recov	75.000	121.000				05/06/08
LCS	4-Chloro-3-methylphenol	59-50-7	6574.7	110.000	% Recov	68.000	117.000				05/06/08
LCS	2-Chlorophenol	95-57-8	6755.2	113.000	% Recov	84.000	114.000				05/06/08
LCS	N-Nitrosodi-n-dipropylamine	621-64-7	4533.2	113.000	% Recov	76.000	119.000				05/06/08
LCS	2-Fluorobiphenyl(Surr)	321-60-8	4304.0	107.600	% Recov	58.000	109.000				05/06/08
LCS	Phenol	108-95-2	6775.8	112.930	% Recov	80.000	113.000				05/06/08
LCS	Nitrobenzene-d5(Surr)	4165-60-0	4479.7	112.000	% Recov	60.000	118.000				05/06/08
LCS	4-Nitrophenol	100-02-7	5440.8	90.700	% Recov	42.000	123.000				05/06/08
LCS	Pentachlorophenol	87-86-5	5921.1	98.700	% Recov	55.000	120.000				05/06/08
LCS	Phenol-d5(Surr)	4165-62-2	4489.2	112.000	% Recov	59.000	116.000				05/06/08
LCS	Pyrene	129-00-0	4837.4	120.935	% Recov	67.000	122.000				05/06/08
LCS	2,4,6-Tribromophenol(Surr)	118-79-6	4078.1	102.000	% Recov	60.000	120.000				05/06/08
LCS	Terphenyl-d14(Surr)	98904-43-9	4723.9	118.097	% Recov	60.000	120.000				05/06/08

WSCF ANALYTICAL LABORATORY QC REPORT

Department: Organic

SDG Number: WSCF20080847
Matrix: SOLID
Test: NWTPH-D TPH Diesel Range (Wa)

Sample Date: 04/10/08
Receive Date:04/16/08

QC Type	Analyte		CAS #	QC Found	QC Yield	Units	Lower Limit	Upper Limit	RPD(%)	RPD Limit	RQ	Analysis Date
Lab ID: W08GR01053												
BATCH QC ASSOCIATED WITH SAMPLE												
MS	ortho-Terphenyl	Surr	84-15-1	20260	101.000	% Recov	70.000	130.000				05/05/08
MS	Total Pet. Hydrocarbons Diesel		TPHDIESEL	111020	110.000	% Recov	75.000	125.000				05/05/08
MSD	ortho-Terphenyl	Surr	84-15-1	19493	97.700	% Recov	70.000	130.000				05/05/08
MSD	Total Pet. Hydrocarbons Diesel		TPHDIESEL	107400	108.000	% Recov	75.000	125.000				05/05/08
SPK-RPD	ortho-Terphenyl	Surr	84-15-1	97.700		RPD			3.322	20.000		05/05/08
SPK-RPD	Total Pet. Hydrocarbons Diesel		TPHDIESEL	108.000		RPD			1.835	20.000		05/05/08
Lab ID: W08GR01075												
BATCH QC ASSOCIATED WITH SAMPLE												
SURR	ortho-Terphenyl	Surr	84-15-1	19583	95.600	% Recov	70.000	130.000				05/05/08
Lab ID: W08GR01078												
BATCH QC ASSOCIATED WITH SAMPLE												
SURR	ortho-Terphenyl	Surr	84-15-1	19485	94.900	% Recov	70.000	130.000				05/05/08
Lab ID: W08GR01079												
BATCH QC ASSOCIATED WITH SAMPLE												
SURR	ortho-Terphenyl	Surr	84-15-1	20538	95.900	% Recov	70.000	130.000				05/05/08
Lab ID: W08GR01080												
BATCH QC ASSOCIATED WITH SAMPLE												
SURR	ortho-Terphenyl	Surr	84-15-1	20937	101.000	% Recov	70.000	130.000				05/05/08
Lab ID: W08GR01082												
BATCH QC ASSOCIATED WITH SAMPLE												
SURR	ortho-Terphenyl	Surr	84-15-1	19993	94.600	% Recov	70.000	130.000				05/05/08

WSCF ANALYTICAL LABORATORY QC REPORT

Department: Organic

SDG Number: WSCF20080847
Matrix: SOLID
Test: NWTPH-D TPH Diesel Range (Wa)

Sample Date: 04/23/08
Receive Date:04/28/08

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Lower Limit	Upper Limit	RPD(%)	RPD Limit	RQ	Analysis Date
BATCH QC											
BLANK	Kerosene	TPHKEROSENE	< 3000	n/a	ug/Kg					U	05/05/08
BLANK	ortho-Terphenyl Surr	84-15-1	16572	82.900	% Recov	70.000	130.000				05/05/08
BLANK	Total Pet. Hydrocarbons Diesel	TPHDIESEL	< 3000	n/a	ug/Kg					U	05/05/08
LCS	ortho-Terphenyl Surr	84-15-1	19214	96.100	% Recov	70.000	130.000				05/05/08
LCS	Total Pet. Hydrocarbons Diesel	TPHDIESEL	98085	98.100	% Recov	80.000	120.000				05/05/08

WSCF ANALYTICAL LABORATORY QC REPORT

Department: Organic

SDG Number: WSCF20080847
Matrix: SOLID
Test: VOA Ground Water Protection

Sample Date: 04/17/08
Receive Date:04/28/08

Lab ID: W08GR01076
BATCH QC ASSOCIATED WITH SAMPLE

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Lower Limit	Upper Limit	RPD(%)	RPD Limit	RQ	Analysis Date
MS	1,1-Dichloroethene	75-35-4	24.260	96.200	% Recov	63.000	117.000				04/30/08
MS	Benzene	71-43-2	25.130	99.700	% Recov	75.000	129.000				04/30/08
MS	4-Bromofluorobenzene(Surr)	460-00-4	52.210	104.000	% Recov	75.000	125.000				04/30/08
MS	Chlorobenzene	108-90-7	25.890	103.000	% Recov	79.000	119.000				04/30/08
MS	1,2-Dichloroethane-d4(Surr)	17060-07-0	53.060	105.000	% Recov	75.000	125.000				04/30/08
MS	Toluene-d8(Surr)	2037-26-5	50.470	100.000	% Recov	75.000	125.000				04/30/08
MS	Toluene	108-88-3	25.700	102.000	% Recov	76.000	120.000				04/30/08
MS	Trichloroethene	79-01-6	22.510	89.300	% Recov	73.000	123.000				04/30/08
MSD	1,1-Dichloroethene	75-35-4	24.250	104.000	% Recov	63.000	117.000				04/30/08
MSD	Benzene	71-43-2	22.360	95.600	% Recov	75.000	129.000				04/30/08
MSD	4-Bromofluorobenzene(Surr)	460-00-4	49.240	105.000	% Recov	75.000	125.000				04/30/08
MSD	Chlorobenzene	108-90-7	23.340	99.800	% Recov	79.000	119.000				04/30/08
MSD	1,2-Dichloroethane-d4(Surr)	17060-07-0	49.840	107.000	% Recov	75.000	125.000				04/30/08
MSD	Toluene-d8(Surr)	2037-26-5	46.670	99.800	% Recov	75.000	125.000				04/30/08
MSD	Toluene	108-88-3	22.930	98.100	% Recov	76.000	120.000				04/30/08
MSD	Trichloroethene	79-01-6	20.320	86.900	% Recov	73.000	123.000				04/30/08
SPK-RPD	1,1-Dichloroethene	75-35-4	104.000		RPD			7.792	20.000		04/30/08
SPK-RPD	Benzene	71-43-2	95.600		RPD			4.199	20.000		04/30/08
SPK-RPD	4-Bromofluorobenzene(Surr)	460-00-4	105.000		RPD			0.957	20.000		04/30/08
SPK-RPD	Chlorobenzene	108-90-7	99.800		RPD			3.156	20.000		04/30/08
SPK-RPD	1,2-Dichloroethane-d4(Surr)	17060-07-0	107.000		RPD			1.887	20.000		04/30/08
SPK-RPD	Toluene-d8(Surr)	2037-26-5	99.800		RPD			0.200	20.000		04/30/08
SPK-RPD	Toluene	108-88-3	98.100		RPD			3.898	20.000		04/30/08
SPK-RPD	Trichloroethene	79-01-6	86.900		RPD			2.724	20.000		04/30/08
SURR	4-Bromofluorobenzene(Surr)	460-00-4	51.140	105.000	% Recov	75.000	125.000				04/30/08
SURR	1,2-Dichloroethane-d4(Surr)	17060-07-0	51.800	107.000	% Recov	75.000	125.000				04/30/08

WSCF ANALYTICAL LABORATORY QC REPORT

Department: Organic

SDG Number: WSCF20080847
Matrix: SOLID
Test: VOA Ground Water Protection

Sample Date: 04/17/08
Receive Date:04/28/08

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Lower Limit	Upper Limit	RPD(%)	RPD Limit	RQ	Analysis Date
SURR	Toluene-d8(Surr)	2037-26-5	48.620	100.000	% Recov	80.000	126.000				04/30/08
Lab ID: W08GR01084											
BATCH QC ASSOCIATED WITH SAMPLE											
SURR	4-Bromofluorobenzene(Surr)	460-00-4	51.540	104.000	% Recov	75.000	125.000				04/30/08
SURR	1,2-Dichloroethane-d4(Surr)	17060-07-0	52.120	105.000	% Recov	75.000	125.000				04/30/08
SURR	Toluene-d8(Surr)	2037-26-5	49.810	100.000	% Recov	80.000	126.000				04/30/08
Lab ID: W08GR01085											
BATCH QC ASSOCIATED WITH SAMPLE											
SURR	4-Bromofluorobenzene(Surr)	460-00-4	53.590	104.000	% Recov	75.000	125.000				04/30/08
SURR	1,2-Dichloroethane-d4(Surr)	17060-07-0	53.720	104.000	% Recov	75.000	125.000				04/30/08
SURR	Toluene-d8(Surr)	2037-26-5	52.330	101.000	% Recov	80.000	126.000				04/30/08
Lab ID: W08GR01086											
BATCH QC ASSOCIATED WITH SAMPLE											
SURR	4-Bromofluorobenzene(Surr)	460-00-4	52.230	104.000	% Recov	75.000	125.000				04/30/08
SURR	1,2-Dichloroethane-d4(Surr)	17060-07-0	52.340	104.000	% Recov	75.000	125.000				04/30/08
SURR	Toluene-d8(Surr)	2037-26-5	50.880	101.000	% Recov	80.000	126.000				04/30/08
Lab ID: W08GR01087											
BATCH QC ASSOCIATED WITH SAMPLE											
SURR	4-Bromofluorobenzene(Surr)	460-00-4	49.560	103.000	% Recov	75.000	125.000				04/30/08
SURR	1,2-Dichloroethane-d4(Surr)	17060-07-0	50.830	105.000	% Recov	75.000	125.000				04/30/08
SURR	Toluene-d8(Surr)	2037-26-5	48.800	101.000	% Recov	80.000	126.000				04/30/08
BATCH QC											
BLANK	1,1-Dichloroethane	75-34-3	< 1.0	n/a	ug/Kg					U	04/30/08
BLANK	1,1,1-Trichloroethane	71-55-6	< 1.0	n/a	ug/Kg					U	04/30/08
BLANK	1,1,2-Trichloroethane	79-00-5	< 1.0	n/a	ug/Kg					U	04/30/08

WSCF ANALYTICAL LABORATORY QC REPORT

Department: Organic

SDG Number: WSCF20080847
Matrix: SOLID
Test: VOA Ground Water Protection

Sample Date:
Receive Date:

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Lower Limit	Upper Limit	RPD(%)	RPD Limit	RQ	Analysis Date
BLANK	1,1,2,2-Tetrachloroethane	79-34-5	< 1.0	n/a	ug/Kg					U	04/30/08
BLANK	1,1-Dichloroethene	75-35-4	< 1.0	n/a	ug/Kg					U	04/30/08
BLANK	1,2-Dichloroethane	107-06-2	< 1.0	n/a	ug/Kg					U	04/30/08
BLANK	1,2-Dichloroethene(Total)	540-59-0	< 1.0	n/a	ug/Kg					U	04/30/08
BLANK	2-Hexanone	591-78-6	< 1.0	n/a	ug/Kg					U	04/30/08
BLANK	4-Methyl-2-Pentanone	108-10-1	< 1.0	n/a	ug/Kg					U	04/30/08
BLANK	Acetone	67-64-1	< 1.0	n/a	ug/Kg					U	04/30/08
BLANK	Bromodichloromethane	75-27-4	< 1.0	n/a	ug/Kg					U	04/30/08
BLANK	Benzene	71-43-2	< 1.0	n/a	ug/Kg					U	04/30/08
BLANK	4-Bromofluorobenzene(Surr)	460-00-4	52.180	104.000	% Recov	75.000	125.000				04/30/08
BLANK	Bromoform	75-25-2	< 1.0	n/a	ug/Kg					U	04/30/08
BLANK	Carbon disulfide	75-15-0	< 1.0	n/a	ug/Kg					U	04/30/08
BLANK	Carbon tetrachloride	56-23-5	< 1.0	n/a	ug/Kg					U	04/30/08
BLANK	Dibromochloromethane	124-48-1	< 1.0	n/a	ug/Kg					U	04/30/08
BLANK	Chloroform	67-66-3	< 1.0	n/a	ug/Kg					U	04/30/08
BLANK	Chlorobenzene	108-90-7	< 1.0	n/a	ug/Kg					U	04/30/08
BLANK	cis-1,3-Dichloropropene	10061-01-5	< 1.0	n/a	ug/Kg					U	04/30/08
BLANK	Chloroethane	75-00-3	< 1.0	n/a	ug/Kg					U	04/30/08
BLANK	1,2-Dichloroethane-d4(Surr)	17060-07-0	50.460	101.000	% Recov	75.000	125.000				04/30/08
BLANK	1,2-Dichloropropane	78-87-5	< 1.0	n/a	ug/Kg					U	04/30/08
BLANK	Ethylbenzene	100-41-4	< 1.0	n/a	ug/Kg					U	04/30/08
BLANK	Hexane	110-54-3	< 1.0	n/a	ug/Kg					U	04/30/08
BLANK	Bromomethane	74-83-9	< 1.0	n/a	ug/Kg					U	04/30/08
BLANK	Chloromethane	74-87-3	< 1.0	n/a	ug/Kg					U	04/30/08
BLANK	2-Butanone	78-93-3	< 1.0	n/a	ug/Kg					U	04/30/08
BLANK	Methylenechloride	75-09-2	< 1.0	n/a	ug/Kg					U	04/30/08
BLANK	Tetrachloroethene	127-18-4	< 1.0	n/a	ug/Kg					U	04/30/08
BLANK	Styrene	100-42-5	< 1.0	n/a	ug/Kg					U	04/30/08
BLANK	Xylenes (total)	1330-20-7	< 1.0	n/a	ug/Kg					U	04/30/08
BLANK	Tetrahydrofuran	109-99-9	< 2.0	n/a	ug/Kg					U	04/30/08

WSCF ANALYTICAL LABORATORY QC REPORT

Department: Organic

SDG Number: WSCF20080847
Matrix: SOLID
Test: VOA Ground Water Protection

Sample Date:
Receive Date:

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Lower Limit	Upper Limit	RPD(%)	RPD Limit	RQ	Analysis Date
BLANK	Toluene-d8(Surr)	2037-26-5	49.650	99.300	% Recov	80.000	126.000				04/30/08
BLANK	Toluene	108-88-3	< 1.0	n/a	ug/Kg					U	04/30/08
BLANK	trans-1,3-Dichloropropene	10061-02-6	< 1.0	n/a	ug/Kg					U	04/30/08
BLANK	Trichloroethene	79-01-6	< 1.0	n/a	ug/Kg					U	04/30/08
BLANK	Vinyl chloride	75-01-4	< 1.0	n/a	ug/Kg					U	04/30/08
LCS	1,1-Dichloroethene	75-35-4	22.470	89.900	% Recov	75.000	125.000				04/30/08
LCS	Benzene	71-43-2	24.120	96.500	% Recov	75.000	125.000				04/30/08
LCS	4-Bromofluorobenzene(Surr)	460-00-4	52.080	104.000	% Recov	75.000	125.000				04/30/08
LCS	Chlorobenzene	108-90-7	25.410	102.000	% Recov	75.000	125.000				04/30/08
LCS	1,2-Dichloroethane-d4(Surr)	17060-07-0	50.500	101.000	% Recov	75.000	125.000				04/30/08
LCS	Toluene-d8(Surr)	2037-26-5	50.480	101.000	% Recov	80.000	126.000				04/30/08
LCS	Toluene	108-88-3	25.030	100.000	% Recov	75.000	125.000				04/30/08
LCS	Trichloroethene	79-01-6	21.580	86.300	% Recov	75.000	125.000				04/30/08

WSCF
ANALYTICAL COMMENT REPORT

Attention: Steve Trent
Project Number F08-066

Group #: WSCF20080847
Department: Organic

Sample #	Client ID	Lab Area	Test	Comment
		VALGROUP		ICP-MS: Barium spike RPD over 20% but still pass. X-flag ORGANICS: All samples are corrected for moisture and reported on a dry weight basis. cgc U-235 duplicate is flagged for poor RPD but the sample activity is low level. RPD does not apply to low level samples. lmh U-234 duplicate is flagged for poor RPD due to the inhomogeneity of the sample. lmh U-232 Tracer recovery is low. Since all the other tracer came out fine, this batch has been approved. lmh

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

WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent
SAF Number: F08-066
Sample # W08GR01075
Client ID: B1TFF2 GPP TRENT WSCF
Matrix: SOIL

Group #: WSCF20080847
Department: Radiochemistry
Sampled: 04/17/08
Received: 04/28/08

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
Americium by AEA											
Americium-241	14596-10-2	LA-508-471	U	0.0140	pCi/g	+-0.0175	pCi/g	1.00	0.028		06/04/08
Am-243 tracer by AEA	AM243	LA-508-471		3.90	pCi/g			1.00	0.019		06/04/08
Gamma Energy Analysis-grd H2O											
Cobalt-60	10198-40-0	LA-508-481	U	2.11e-03	pCi/g	+-4.79e-03	pCi/g	1.00	8.5e-03		05/09/08
Cesium-137	10045-97-3	LA-508-481		0.0369	pCi/g	+-0.0104	pCi/g	1.00	9.8e-03		05/09/08
Europium-152	14683-23-9	LA-508-481	U	-0.0299	pCi/g	+-0.0185	pCi/g	1.00	0.029		05/09/08
Europium-154	15585-10-1	LA-508-481	U	6.81e-03	pCi/g	+-0.0172	pCi/g	1.00	0.026		05/09/08
Europium-155	14391-16-3	LA-508-481	U	0.0124	pCi/g	+-0.0403	pCi/g	1.00	0.066		05/09/08
Niobium-94	14681-63-1	LA-508-481	U	2.80e-03	pCi/g	+-4.76e-03	pCi/g	1.00	8.3e-03		05/09/08
Radium-226	13982-63-3	LA-508-481		0.386	pCi/g	+-0.0639	pCi/g	1.00	0.017		05/09/08
Radium-228	15262-20-1	LA-508-481		0.472	pCi/g	+-0.0818	pCi/g	1.00	0.027		05/09/08
Neptunium by AEA											
Neptunium-237	13994-20-2	LA-508-471		0.0340	pCi/g	+-0.0235	pCi/g	1.00	0.025		06/04/08
Plutonium Isotopics by AEA											
Plutonium-238	13981-16-3	LA-508-471	U	-3.40e-03	pCi/g	+-0.0289	pCi/g	1.00	0.052		05/20/08
Pu-239/240 by AEA	PU-239/240	LA-508-471		0.0390	pCi/g	+-0.0203	pCi/g	1.00	0.016		05/20/08
Pu-242 tracer by AEA	PU242	LA-508-471		6.00	pCi/g			1.00	0.018		05/20/08
Strontium 89/90											
Strontium-89/90	SR-RAD	LA-508-415		68.0	pCi/g	+-8.84	pCi/g	1.00	0.37		05/06/08
Sr-85 Tracer by Beta Counting	SR85	LA-508-415		92.8	Percent			1.00	0.0		05/06/08
Uranium Isotopics by AEA											
Uranium-233/234	U-233/234	LA-508-471		0.870	pCi/g	+-0.304	pCi/g	1.00	0.11		05/20/08
Uranium-235	15117-96-1	LA-508-471		0.0560	pCi/g	+-0.0526	pCi/g	1.00	0.030		05/20/08
Uranium-238	U-238	LA-508-471		0.760	pCi/g	+-0.274	pCi/g	1.00	0.095		05/20/08

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

B - The analyte < the RDL but >= the IDL/MDL (inorg)
U - Analyzed for but not detected above limiting criteria(inorg)
U - Analyzed for but not detected above limiting criteria.(org)
D - Analyte was identified at a secondary dilution factor
U - Analyzed for but not detected above limiting criteria.
X - Other flags/notes described in the comments/narrative(inorg)

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

WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent
SAF Number: F08-066
Sample # W08GR01075
Client ID: B1TFF2 GPP TRENT WSCF
Matrix: SOIL

Group #: WSCF20080847
Department: Radiochemistry
Sampled: 04/17/08
Received: 04/28/08

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
U-232 tracer by AEA	U232	LA-508-471		4.10	pCi/g			1.00	0.18		05/20/08

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

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

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U - Analyzed for but not detected above limiting criteria.
X - Other flags/notes described in the comments/narrative(inorg)

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WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent
SAF Number: F08-066
Sample # W08GR01078
Client ID: B1TFF5 GPP TRENT WSCF
Matrix: SOIL

Group #: WSCF20080847
Department: Radiochemistry
Sampled: 04/21/08
Received: 04/28/08

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
Americium by AEA											
Americium-241	14596-10-2	LA-508-471	U	0.0180	pCi/g	+-0.0171	pCi/g	1.00	0.024		06/04/08
Am-243 tracer by AEA	AM243	LA-508-471		3.70	pCi/g			1.00	0.023		06/04/08
Gamma Energy Analysis-grd H2O											
Cobalt-60	10198-40-0	LA-508-481	U	1.29e-04	pCi/g	+-1.29e-03	pCi/g	1.00	4.1e-03		05/09/08
Cesium-137	10045-97-3	LA-508-481		4.21e-03	pCi/g	+-3.05e-03	pCi/g	1.00	3.9e-03		05/09/08
Europium-152	14683-23-9	LA-508-481	U	-3.22e-03	pCi/g	+-6.76e-03	pCi/g	1.00	9.9e-03		05/09/08
Europium-154	15585-10-1	LA-508-481	U	-8.75e-03	pCi/g	+-8.38e-03	pCi/g	1.00	0.013		05/09/08
Europium-155	14391-16-3	LA-508-481	U	5.68e-03	pCi/g	+-0.0106	pCi/g	1.00	0.018		05/09/08
Niobium-94	14681-63-1	LA-508-481	U	-4.94e-04	pCi/g	+-2.07e-03	pCi/g	1.00	3.5e-03		05/09/08
Radium-226	13982-63-3	LA-508-481		0.155	pCi/g	+-0.0283	pCi/g	1.00	6.8e-03		05/09/08
Radium-228	15262-20-1	LA-508-481		0.261	pCi/g	+-0.0452	pCi/g	1.00	0.013		05/09/08
Neptunium by AEA											
Neptunium-237	13994-20-2	LA-508-471		0.0300	pCi/g	+-0.0210	pCi/g	1.00	8.9e-03		06/04/08
Plutonium Isotopics by AEA											
Plutonium-238	13981-16-3	LA-508-471	U	-0.0150	pCi/g	+-0.0267	pCi/g	1.00	0.051		05/20/08
Pu-239/240 by AEA	PU-239/240	LA-508-471		0.0480	pCi/g	+-0.0216	pCi/g	1.00	4.5e-03		05/20/08
Pu-242 tracer by AEA	PU242	LA-508-471		5.80	pCi/g			1.00	0.015		05/20/08
Strontium 89/90											
Strontium-89/90	SR-RAD	LA-508-415		63.0	pCi/g	+-7.56	pCi/g	1.00	0.35		05/06/08
Sr-85 Tracer by Beta Counting	SR85	LA-508-415		92.8	Percent			1.00	0.0		05/06/08
Uranium Isotopics by AEA											
Uranium-233/234	U-233/234	LA-508-471		1.20	pCi/g	+-0.324	pCi/g	1.00	0.014		05/20/08
Uranium-235	15117-96-1	LA-508-471		0.0810	pCi/g	+-0.0332	pCi/g	1.00	5.5e-03		05/20/08
Uranium-238	U-238	LA-508-471		1.10	pCi/g	+-0.297	pCi/g	1.00	5.0e-03		05/20/08

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

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

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U - Analyzed for but not detected above limiting criteria.
X - Other flags/notes described in the comments/narrative(inorg)

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

WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent
SAF Number: F08-066
Sample # W08GR01078
Client ID: B1TFF5 GPP TRENT WSCF
Matrix: SOIL

Group #: WSCF20080847
Department: Radiochemistry
Sampled: 04/21/08
Received: 04/28/08

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
U-232 tracer by AEA	U232	LA-508-471		3.80	pCi/g			1.00	0.017		05/20/08

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

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

D - Analyte was identified at a secondary dilution factor
U - Analyzed for but not detected above limiting criteria.
X - Other flags/notes described in the comments/narrative(inorg)

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WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent
SAF Number: F08-066
Sample # W08GR01079
Client ID: B1TFD9 GPP TRENT WSCF
Matrix: SOIL

Group #: WSCF20080847
Department: Radiochemistry
Sampled: 04/17/08
Received: 04/28/08

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
Americium by AEA											
Americium-241	14596-10-2	LA-508-471	U	0.540	pCi/g	+-1.31	pCi/g	1.00	2.4		06/04/08
Am-243 tracer by AEA	AM243	LA-508-471		390	pCi/g			1.00	0.49		06/04/08
Gamma Energy Analysis-grd H2O											
Cobalt-60	10198-40-0	LA-508-481	U	-2.80e-03	pCi/g	+-0.0104	pCi/g	1.00	0.018		05/09/08
Cesium-137	10045-97-3	LA-508-481	U	-1.64e-03	pCi/g	+-0.0164	pCi/g	1.00	0.036		05/09/08
Europium-152	14683-23-9	LA-508-481	U	0.0102	pCi/g	+-0.102	pCi/g	1.00	0.18		05/09/08
Europium-154	15585-10-1	LA-508-481	U	0.0176	pCi/g	+-0.0336	pCi/g	1.00	0.058		05/09/08
Europium-155	14391-16-3	LA-508-481	U	-0.164	pCi/g	+-0.376	pCi/g	1.00	0.61		05/09/08
Niobium-94	14681-63-1	LA-508-481	U	6.17e-03	pCi/g	+-0.0180	pCi/g	1.00	0.030		05/09/08
Radium-226	13982-63-3	LA-508-481		0.564	pCi/g	+-0.117	pCi/g	1.00	0.071		05/09/08
Radium-228	15262-20-1	LA-508-481		0.754	pCi/g	+-0.166	pCi/g	1.00	0.087		05/09/08
Neptunium by AEA											
Neptunium-237	13994-20-2	LA-508-471		0.250	pCi/g	+-0.0575	pCi/g	1.00	8.5e-03		06/04/08
Plutonium Isotopics by AEA											
Plutonium-238	13981-16-3	LA-508-471	U	3.30	pCi/g	+-25.1	pCi/g	1.00	45		05/20/08
Pu-239/240 by AEA	PU-239/240	LA-508-471	U	6.60	pCi/g	+-10.6	pCi/g	1.00	18		05/20/08
Pu-242 tracer by AEA	PU242	LA-508-471		6.10e+03	pCi/g			1.00	12		05/20/08
Strontium 89/90											
Strontium-89/90	SR-RAD	LA-508-415		3.70e+03	pCi/g	+-444	pCi/g	1.00	14		05/07/08
Sr-85 Tracer by Beta Counting	SR85	LA-508-415		84.5	Percent			1.00	0.0		05/07/08
Uranium Isotopics by AEA											
Uranium-233/234	U-233/234	LA-508-471		3.10	pCi/g	+-1.77	pCi/g	1.00	1.4		05/20/08
Uranium-235	15117-96-1	LA-508-471	U	0.200	pCi/g	+-0.896	pCi/g	1.00	1.9		05/20/08
Uranium-238	U-238	LA-508-471		2.60	pCi/g	+-1.53	pCi/g	1.00	0.50		05/20/08

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

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X - Other flags/notes described in the comments/narrative(inorg)

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WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent
SAF Number: F08-066
Sample # W08GR01079
Client ID: B1TFD9 GPP WSCF TRENT **Matrix:** SOIL

Group #: WSCF20080847
Department: Radiochemistry
Sampled: 04/17/08
Received: 04/28/08

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
U-232 tracer by AEA	U232	LA-508-471		400	pCi/g			1.00	2.8		05/20/08

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

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

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WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent
SAF Number: F08-066
Sample # W08GR01080
Client ID: B1TFF8 GPP WSCF TRENT **Matrix:** SOIL

Group #: WSCF20080847
Department: Radiochemistry
Sampled: 04/22/08
Received: 04/28/08

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
Americium by AEA											
Americium-241	14596-10-2	LA-508-471		0.0230	pCi/g	+-0.0138	pCi/g	1.00	0.013		06/12/08
Am-243 tracer by AEA	AM243	LA-508-471		3.90	pCi/g			1.00	3.8e-03		06/12/08
Gamma Energy Analysis-grd H2O											
Cobalt-60	10198-40-0	LA-508-481	U	2.99e-03	pCi/g	+-9.74e-03	pCi/g	1.00	0.016		05/09/08
Ceslum-137	10045-97-3	LA-508-481	U	0.0139	pCi/g	+-0.0157	pCi/g	1.00	0.018		05/09/08
Europium-152	14683-23-9	LA-508-481	U	-0.0376	pCi/g	+-0.0380	pCi/g	1.00	0.047		05/09/08
Europium-154	15585-10-1	LA-508-481	U	-0.0132	pCi/g	+-0.0306	pCi/g	1.00	0.050		05/09/08
Europium-155	14391-16-3	LA-508-481	U	0.0650	pCi/g	+-0.0503	pCi/g	1.00	0.075		05/09/08
Niobium-94	14681-63-1	LA-508-481	U	3.91e-03	pCi/g	+-9.31e-03	pCi/g	1.00	0.016		05/09/08
Radium-226	13982-63-3	LA-508-481		0.692	pCi/g	+-0.125	pCi/g	1.00	0.031		05/09/08
Radium-228	15262-20-1	LA-508-481		0.893	pCi/g	+-0.163	pCi/g	1.00	0.054		05/09/08
Neptunium by AEA											
Neptunium-237	13994-20-2	LA-508-471	U	0.0210	pCi/g	+-0.0273	pCi/g	1.00	0.045		06/10/08
Plutonium Isotopics by AEA											
Plutonium-238	13981-16-3	LA-508-471	U	-3.50e-03	pCi/g	+-0.0289	pCi/g	1.00	0.053		06/12/08
Pu-239/240 by AEA	PU-239/240	LA-508-471		0.0190	pCi/g	+-0.0133	pCi/g	1.00	0.013		06/12/08
Pu-242 tracer by AEA	PU242	LA-508-471		6.10	pCi/g			1.00	0.013		06/12/08
Strontium 89/90											
Strontium-89/90	SR-RAD	LA-508-415	U	-0.0800	pCi/g	+-0.724	pCi/g	1.00	0.37		05/06/08
Sr-85 Tracer by Beta Counting	SR85	LA-508-415		94.0	Percent			1.00	0.0		05/06/08
Uranium Isotopics by AEA											
Uranium-233/234	U-233/234	LA-508-471		1.80	pCi/g	+-0.468	pCi/g	1.00	0.021		06/24/08
Uranium-235	15117-96-1	LA-508-471		0.150	pCi/g	+-0.0525	pCi/g	1.00	5.7e-03		06/24/08
Uranium-238	U-238	LA-508-471		1.60	pCi/g	+-0.416	pCi/g	1.00	0.014		06/24/08

MDL=Minimum Detection Limit
RQ=Result Qualifier
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DF=Dilution Factor

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

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WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent
SAF Number: F08-066
Sample # W08GR01080
Client ID: B1TFF8 GPP TRENT WSCF
Matrix: SOIL

Group #: WSCF20080847
Department: Radiochemistry
Sampled: 04/22/08
Received: 04/28/08

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
U-232 tracer by AEA	U232	LA-508-471		4.00	pCi/g			1.00	0.033		06/24/08

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

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X - Other flags/notes described in the comments/narrative(inorg)

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WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent
SAF Number: F08-066
Sample # W08GR01082
Client ID: B1TFH1 GPP TRENT WSCF
Matrix: SOIL

Group #: WSCF20080847
Department: Radiochemistry
Sampled: 04/23/08
Received: 04/28/08

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
Americium by AEA											
Americium-241	14596-10-2	LA-508-471		0.0280	pCi/g	+-0.0146	pCi/g	1.00	0.010		06/12/08
Am-243 tracer by AEA	AM243	LA-508-471		3.90	pCi/g			1.00	3.9e-03		06/12/08
Gamma Energy Analysis-grd H2O											
Cobalt-60	10198-40-0	LA-508-481	U	-1.16e-03	pCi/g	+-0.0100	pCi/g	1.00	0.017		05/07/08
Cesium-137	10045-97-3	LA-508-481	U	-9.20e-03	pCi/g	+-9.52e-03	pCi/g	1.00	0.016		05/07/08
Europium-152	14683-23-9	LA-508-481	U	-0.0294	pCi/g	+-0.0294	pCi/g	1.00	0.044		05/07/08
Europium-154	15585-10-1	LA-508-481	U	-0.0278	pCi/g	+-0.0334	pCi/g	1.00	0.050		05/07/08
Europium-155	14391-16-3	LA-508-481	U	0.0876	pCi/g	+-0.0539	pCi/g	1.00	0.064		05/07/08
Niobium-94	14681-63-1	LA-508-481	U	7.76e-03	pCi/g	+-8.74e-03	pCi/g	1.00	0.015		05/07/08
Radium-226	13982-63-3	LA-508-481		0.676	pCi/g	+-0.114	pCi/g	1.00	0.030		05/07/08
Radium-228	15262-20-1	LA-508-481		0.914	pCi/g	+-0.154	pCi/g	1.00	0.051		05/07/08
Neptunium by AEA											
Neptunium-237	13994-20-2	LA-508-471	U	4.40e-03	pCi/g	+-0.0154	pCi/g	1.00	0.033		06/10/08
Plutonium Isotopics by AEA											
Plutonium-238	13981-16-3	LA-508-471	U	6.80e-03	pCi/g	+-0.0221	pCi/g	1.00	0.039		06/12/08
Pu-239/240 by AEA	PU-239/240	LA-508-471	U	5.10e-03	pCi/g	+-7.70e-03	pCi/g	1.00	0.013		06/12/08
Pu-242 tracer by AEA	PU242	LA-508-471		6.10	pCi/g			1.00	0.022		06/12/08
Strontium 89/90											
Strontium-89/90	SR-RAD	LA-508-415	U	-0.510	pCi/g	+-0.617	pCi/g	1.00	0.35		05/06/08
Sr-85 Tracer by Beta Counting	SR85	LA-508-415		97.3	Percent			1.00	0.0		05/06/08
Uranium Isotopics by AEA											
Uranium-233/234	U-233/234	LA-508-471		1.00	pCi/g	+-0.270	pCi/g	1.00	0.021		06/24/08
Uranium-235	15117-96-1	LA-508-471		0.0880	pCi/g	+-0.0352	pCi/g	1.00	5.8e-03		06/24/08
Uranium-238	U-238	LA-508-471		0.970	pCi/g	+-0.262	pCi/g	1.00	0.024		06/24/08

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

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

D - Analyte was identified at a secondary dilution factor
U - Analyzed for but not detected above limiting criteria.
X - Other flags/notes described in the comments/narrative(inorg)

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

WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent
SAF Number: F08-066
Sample # W08GR01082
Client ID: B1TFH1 GPP WSCF TRENT **Matrix:** SOIL

Group #: WSCF20080847
Department: Radiochemistry
Sampled: 04/23/08
Received: 04/28/08

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
U-232 tracer by AEA	U232	LA-508-471		4.00	pCi/g			1.00	0.033		06/24/08

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

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

D - Analyte was identified at a secondary dilution factor
U - Analyzed for but not detected above limiting criteria.
X - Other flags/notes described in the comments/narrative(inorg)

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

WSCF
TENTATIVELY IDENTIFIED PEAK REPORT

Attention: Steve Trent
Project Number F08-066 :F08-066

Group #: WSCF20080847
Department: Radiochemistry

Sample #	Client ID			Test Name	Peak Name	CAS#	RT	RQ	Result	Units
W08GR01075	B1TFF2	GPP	TRENT	Gamma Energy Analysis-grd H2O	AC-228				0.41	pCi/g
W08GR01075	B1TFF2	GPP	TRENT	Gamma Energy Analysis-grd H2O	AC-228 Count Error				20	%
W08GR01075	B1TFF2	GPP	TRENT	Gamma Energy Analysis-grd H2O	BI-212				0.29	pCi/g
W08GR01075	B1TFF2	GPP	TRENT	Gamma Energy Analysis-grd H2O	BI-212 Count Error				26	%
W08GR01075	B1TFF2	GPP	TRENT	Gamma Energy Analysis-grd H2O	BI-214				0.46	pCi/g
W08GR01075	B1TFF2	GPP	TRENT	Gamma Energy Analysis-grd H2O	BI-214 Count Error				13	%
W08GR01075	B1TFF2	GPP	TRENT	Gamma Energy Analysis-grd H2O	K-40				12	pCi/g
W08GR01075	B1TFF2	GPP	TRENT	Gamma Energy Analysis-grd H2O	K-40 Count Error				13	%
W08GR01075	B1TFF2	GPP	TRENT	Gamma Energy Analysis-grd H2O	PB-212				0.51	pCi/g
W08GR01075	B1TFF2	GPP	TRENT	Gamma Energy Analysis-grd H2O	PB-212 Count Error				10	%
W08GR01075	B1TFF2	GPP	TRENT	Gamma Energy Analysis-grd H2O	PB-214				0.69	pCi/g
W08GR01075	B1TFF2	GPP	TRENT	Gamma Energy Analysis-grd H2O	PB-214 Count Error				24	%
W08GR01075	B1TFF2	GPP	TRENT	Gamma Energy Analysis-grd H2O	SN-126				0.074	pCi/g
W08GR01075	B1TFF2	GPP	TRENT	Gamma Energy Analysis-grd H2O	SN-126 Count Error				46	%
W08GR01075	B1TFF2	GPP	TRENT	Gamma Energy Analysis-grd H2O	TH-234				0.92	pCi/g
W08GR01075	B1TFF2	GPP	TRENT	Gamma Energy Analysis-grd H2O	TH-234 Count Error				29	%
W08GR01075	B1TFF2	GPP	TRENT	Gamma Energy Analysis-grd H2O	TL-208				0.15	pCi/g
W08GR01075	B1TFF2	GPP	TRENT	Gamma Energy Analysis-grd H2O	TL-208 Count Error				15	%
W08GR01078	B1TFF5	GPP	TRENT	Gamma Energy Analysis-grd H2O	AC-228				0.21	pCi/g
W08GR01078	B1TFF5	GPP	TRENT	Gamma Energy Analysis-grd H2O	AC-228 Count Error				19	%
W08GR01078	B1TFF5	GPP	TRENT	Gamma Energy Analysis-grd H2O	BI-212				0.17	pCi/g
W08GR01078	B1TFF5	GPP	TRENT	Gamma Energy Analysis-grd H2O	BI-212 Count Error				24	%
W08GR01078	B1TFF5	GPP	TRENT	Gamma Energy Analysis-grd H2O	BI-214				0.23	pCi/g
W08GR01078	B1TFF5	GPP	TRENT	Gamma Energy Analysis-grd H2O	BI-214 Count Error				13	%
W08GR01078	B1TFF5	GPP	TRENT	Gamma Energy Analysis-grd H2O	CS-134				0.012	pCi/g

RQ=Result Qualifier

WSCF
TENTATIVELY IDENTIFIED PEAK REPORT

Attention: Steve Trent
Project Number F08-066 :F08-066

Group #: WSCF20080847
Department: Radiochemistry

Sample #	Client ID			Test Name	Peak Name	CAS#	RT	RQ	Result	Units
W08GR01078	B1TFF5	GPP	TRENT	Gamma Energy Analysis-grd H2O	CS-134 Count Error				37	%
W08GR01078	B1TFF5	GPP	TRENT	Gamma Energy Analysis-grd H2O	K-40				6.7	pCi/g
W08GR01078	B1TFF5	GPP	TRENT	Gamma Energy Analysis-grd H2O	K-40 Count Error				13	%
W08GR01078	B1TFF5	GPP	TRENT	Gamma Energy Analysis-grd H2O	PB-212				0.22	pCi/g
W08GR01078	B1TFF5	GPP	TRENT	Gamma Energy Analysis-grd H2O	PB-212 Count Error				9.8	%
W08GR01078	B1TFF5	GPP	TRENT	Gamma Energy Analysis-grd H2O	PB-214				0.23	pCi/g
W08GR01078	B1TFF5	GPP	TRENT	Gamma Energy Analysis-grd H2O	PB-214 Count Error				23	%
W08GR01078	B1TFF5	GPP	TRENT	Gamma Energy Analysis-grd H2O	SN-126				0.040	pCi/g
W08GR01078	B1TFF5	GPP	TRENT	Gamma Energy Analysis-grd H2O	SN-126 Count Error				24	%
W08GR01078	B1TFF5	GPP	TRENT	Gamma Energy Analysis-grd H2O	TH-234				0.35	pCi/g
W08GR01078	B1TFF5	GPP	TRENT	Gamma Energy Analysis-grd H2O	TH-234 Count Error				25	%
W08GR01078	B1TFF5	GPP	TRENT	Gamma Energy Analysis-grd H2O	TL-208				0.071	pCi/g
W08GR01078	B1TFF5	GPP	TRENT	Gamma Energy Analysis-grd H2O	TL-208 Count Error				16	%
W08GR01079	B1TFD9	GPP	TRENT	Gamma Energy Analysis-grd H2O	AC-228				0.81	pCi/g
W08GR01079	B1TFD9	GPP	TRENT	Gamma Energy Analysis-grd H2O	AC-228 Count Error				41	%
W08GR01079	B1TFD9	GPP	TRENT	Gamma Energy Analysis-grd H2O	BI-212				0.85	pCi/g
W08GR01079	B1TFD9	GPP	TRENT	Gamma Energy Analysis-grd H2O	BI-212 Count Error				31	%
W08GR01079	B1TFD9	GPP	TRENT	Gamma Energy Analysis-grd H2O	BI-214				0.69	pCi/g
W08GR01079	B1TFD9	GPP	TRENT	Gamma Energy Analysis-grd H2O	BI-214 Count Error				15	%
W08GR01079	B1TFD9	GPP	TRENT	Gamma Energy Analysis-grd H2O	K-40				17	pCi/g
W08GR01079	B1TFD9	GPP	TRENT	Gamma Energy Analysis-grd H2O	K-40 Count Error				14	%
W08GR01079	B1TFD9	GPP	TRENT	Gamma Energy Analysis-grd H2O	PB-212				0.72	pCi/g
W08GR01079	B1TFD9	GPP	TRENT	Gamma Energy Analysis-grd H2O	PB-212 Count Error				19	%
W08GR01079	B1TFD9	GPP	TRENT	Gamma Energy Analysis-grd H2O	PB-214				0.68	pCi/g
W08GR01079	B1TFD9	GPP	TRENT	Gamma Energy Analysis-grd H2O	PB-214 Count Error				22	%

RQ=Result Qualifier

WSCF

TENTATIVELY IDENTIFIED PEAK REPORT

Attention: Steve Trent
Project Number F08-066 :F08-066

Group #: WSCF20080847
Department: Radiochemistry

Sample #	Client ID			Test Name	Peak Name	CAS#	RT	RQ	Result	Units
W08GR01079	B1TFD9	GPP	TRENT	Gamma Energy Analysis-grd H2O	TL-208				0.23	pCi/g
W08GR01079	B1TFD9	GPP	TRENT	Gamma Energy Analysis-grd H2O	TL-208 Count Error				22	%
W08GR01080	B1TFF8	GPP	TRENT	Gamma Energy Analysis-grd H2O	AC-228				0.82	pCi/g
W08GR01080	B1TFF8	GPP	TRENT	Gamma Energy Analysis-grd H2O	AC-228 Count Error				19	%
W08GR01080	B1TFF8	GPP	TRENT	Gamma Energy Analysis-grd H2O	BI-212				0.68	pCi/g
W08GR01080	B1TFF8	GPP	TRENT	Gamma Energy Analysis-grd H2O	BI-212 Count Error				24	%
W08GR01080	B1TFF8	GPP	TRENT	Gamma Energy Analysis-grd H2O	BI-214				0.81	pCi/g
W08GR01080	B1TFF8	GPP	TRENT	Gamma Energy Analysis-grd H2O	BI-214 Count Error				14	%
W08GR01080	B1TFF8	GPP	TRENT	Gamma Energy Analysis-grd H2O	CS-134				0.044	pCi/g
W08GR01080	B1TFF8	GPP	TRENT	Gamma Energy Analysis-grd H2O	CS-134 Count Error				44	%
W08GR01080	B1TFF8	GPP	TRENT	Gamma Energy Analysis-grd H2O	K-40				22	pCi/g
W08GR01080	B1TFF8	GPP	TRENT	Gamma Energy Analysis-grd H2O	K-40 Count Error				13	%
W08GR01080	B1TFF8	GPP	TRENT	Gamma Energy Analysis-grd H2O	PB-212				1.1	pCi/g
W08GR01080	B1TFF8	GPP	TRENT	Gamma Energy Analysis-grd H2O	PB-212 Count Error				10	%
W08GR01080	B1TFF8	GPP	TRENT	Gamma Energy Analysis-grd H2O	PB-214				1.4	pCi/g
W08GR01080	B1TFF8	GPP	TRENT	Gamma Energy Analysis-grd H2O	PB-214 Count Error				22	%
W08GR01080	B1TFF8	GPP	TRENT	Gamma Energy Analysis-grd H2O	SN-126				0.21	pCi/g
W08GR01080	B1TFF8	GPP	TRENT	Gamma Energy Analysis-grd H2O	SN-126 Count Error				27	%
W08GR01080	B1TFF8	GPP	TRENT	Gamma Energy Analysis-grd H2O	TH-234				2.3	pCi/g
W08GR01080	B1TFF8	GPP	TRENT	Gamma Energy Analysis-grd H2O	TH-234 Count Error				19	%
W08GR01080	B1TFF8	GPP	TRENT	Gamma Energy Analysis-grd H2O	TL-208				0.29	pCi/g
W08GR01080	B1TFF8	GPP	TRENT	Gamma Energy Analysis-grd H2O	TL-208 Count Error				16	%
W08GR01082	B1TFH1	GPP	TRENT	Gamma Energy Analysis-grd H2O	AC-228				0.76	pCi/g
W08GR01082	B1TFH1	GPP	TRENT	Gamma Energy Analysis-grd H2O	AC-228 Count Error				20	%
W08GR01082	B1TFH1	GPP	TRENT	Gamma Energy Analysis-grd H2O	BI-212				0.58	pCi/g

RQ=Result Qualifier

WSCF
TENTATIVELY IDENTIFIED PEAK REPORT

Attention: Steve Trent
Project Number F08-066 :F08-066

Group #: WSCF20080847
Department: Radiochemistry

Sample #	Client ID			Test Name	Peak Name	CAS#	RT	RQ	Result	Units
W08GR01082	B1TFH1	GPP	TRENT	Gamma Energy Analysis-grd H2O	BI-212 Count Error				27	%
W08GR01082	B1TFH1	GPP	TRENT	Gamma Energy Analysis-grd H2O	BI-214				0.75	pCi/g
W08GR01082	B1TFH1	GPP	TRENT	Gamma Energy Analysis-grd H2O	BI-214 Count Error				14	%
W08GR01082	B1TFH1	GPP	TRENT	Gamma Energy Analysis-grd H2O	CS-134				0.033	pCi/g
W08GR01082	B1TFH1	GPP	TRENT	Gamma Energy Analysis-grd H2O	CS-134 Count Error				42	%
W08GR01082	B1TFH1	GPP	TRENT	Gamma Energy Analysis-grd H2O	K-40				19	pCi/g
W08GR01082	B1TFH1	GPP	TRENT	Gamma Energy Analysis-grd H2O	K-40 Count Error				13	%
W08GR01082	B1TFH1	GPP	TRENT	Gamma Energy Analysis-grd H2O	PB-212				1.0	pCi/g
W08GR01082	B1TFH1	GPP	TRENT	Gamma Energy Analysis-grd H2O	PB-212 Count Error				10	%
W08GR01082	B1TFH1	GPP	TRENT	Gamma Energy Analysis-grd H2O	PB-214				1.2	pCi/g
W08GR01082	B1TFH1	GPP	TRENT	Gamma Energy Analysis-grd H2O	PB-214 Count Error				23	%
W08GR01082	B1TFH1	GPP	TRENT	Gamma Energy Analysis-grd H2O	SN-126				0.23	pCi/g
W08GR01082	B1TFH1	GPP	TRENT	Gamma Energy Analysis-grd H2O	SN-126 Count Error				25	%
W08GR01082	B1TFH1	GPP	TRENT	Gamma Energy Analysis-grd H2O	TH-234				1.8	pCi/g
W08GR01082	B1TFH1	GPP	TRENT	Gamma Energy Analysis-grd H2O	TH-234 Count Error				21	%
W08GR01082	B1TFH1	GPP	TRENT	Gamma Energy Analysis-grd H2O	TL-208				0.30	pCi/g
W08GR01082	B1TFH1	GPP	TRENT	Gamma Energy Analysis-grd H2O	TL-208 Count Error				15	%

RQ=Result Qualifier

WSCF ANALYTICAL LABORATORY QC REPORT

Department: Radiochemistry

SDG Number: WSCF20080847
Matrix: SOLID
Test: Gamma Energy Analysis-grd H2O

Sample Date: 04/17/08
Receive Date:04/28/08

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Lower Limit	Upper Limit	RPD(%)	RPD Limit	RQ	Analysis Date
Lab ID: W08GR01075											
BATCH QC ASSOCIATED WITH SAMPLE											
DUP	Cobalt-60	10198-40-0	U-5.516e-3		RPD			n/a	20.000		05/09/08
DUP	Cesium-137	10045-97-3	3.703e-2		RPD			0.270	20.000		05/09/08
DUP	Europium-152	14683-23-9	U-7.589e-3		RPD			n/a	20.000		05/09/08
DUP	Europium-154	15585-10-1	U-8.665e-3		RPD			n/a	20.000		05/09/08
DUP	Europium-155	14391-16-3	U1.896e-2		RPD			n/a	20.000		05/09/08
DUP	Niobium-94	14681-63-1	U2.506e-3		RPD			n/a	20.000		05/09/08
DUP	Radium-226	13982-63-3	0.3651		RPD			5.591	20.000		05/09/08
DUP	Radium-228	15262-20-1	0.4596		RPD			2.704	20.000		05/09/08
BATCH QC											
BLANK	Cobalt-60	10198-40-0	U-2.847e-3	n/a	pCi/g	-10.000	1000.000				05/09/08
BLANK	Cesium-137	10045-97-3	U1.442e-3	n/a	pCi/g	-10.000	1000.000				05/09/08
BLANK	Europium-152	14683-23-9	U-8.407e-4	n/a	pCi/g	-10.000	1000.000				05/09/08
BLANK	Europium-154	15585-10-1	U-1.303e-2	n/e	pCi/g	-10.000	1000.000				05/09/08
BLANK	Europium-155	14391-16-3	U-3.435e-3	n/a	pCi/g	-10.000	1000.000				05/09/08
BLANK	Niobium-94	14681-63-1	U-2.537e-3	n/a	pCi/g	-10.000	1000.000				05/09/08
BLANK	Radium-226	13982-63-3	5.521e-2	0.055	pCi/g	-10.000	1000.000				05/09/08
BLANK	Radium-228	15262-20-1	3.644e-2	0.036	pCi/g	-10.000	1000.000				05/09/08
LCS	Cobalt-60	10198-40-0	10120	101.811	% Recov	80.000	120.000				05/02/08
LCS	Cesium-137	10045-97-3	6317	104.586	% Recov	80.000	120.000				05/02/08
Lab ID: W08GR01082											
BATCH QC ASSOCIATED WITH SAMPLE											
DUP	Cobalt-60	10198-40-0	U6.949e-3		RPD			n/a	20.000		05/09/08
DUP	Cesium-137	10045-97-3	U-8.742e-3		RPD			n/a	20.000		05/09/08
DUP	Europium-152	14683-23-9	U-4.24e-3		RPD			n/a	20.000		05/09/08

WSCF ANALYTICAL LABORATORY QC REPORT

Department: Radiochemistry

SDG Number: WSCF20080847
Matrix: SOLID
Test: Gamma Energy Analysis-grd H2O

Sample Date: 04/23/08
Receive Date:04/28/08

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Lower Limit	Upper Limit	RPD(%)	RPD Limit	RQ	Analysis Date
DUP	Europium-154	15585-10-1	U-3.154e-2		RPD			n/a	20.000		05/09/08
DUP	Europium-155	14391-16-3	U7.107e-2		RPD			n/a	20.000		05/09/08
DUP	Niobium-94	14681-63-1	U6.869e-3		RPD			n/a	20.000		05/09/08
DUP	Radium-226	13982-63-3	0.676		RPD			0.074	20.000		05/09/08
DUP	Radium-228	15262-20-1	0.9012		RPD			1.465	20.000		05/09/08
BATCH QC											
BLANK	Cobalt-60	10198-40-0	U4.829e-4	n/a	pCi/g	-10.000	1000.000				05/13/08
BLANK	Cesium-137	10045-97-3	U-1.184e-4	n/a	pCi/g	-10.000	1000.000				05/13/08
BLANK	Europium-152	14683-23-9	U2.656e-3	n/a	pCi/g	-10.000	1000.000				05/13/08
BLANK	Europium-154	15585-10-1	U1.159e-3	n/a	pCi/g	-10.000	1000.000				05/13/08
BLANK	Europium-155	14391-16-3	U2.543e-3	n/a	pCi/g	-10.000	1000.000				05/13/08
BLANK	Niobium-94	14681-63-1	U9.778e-4	n/a	pCi/g	-10.000	1000.000				05/13/08
BLANK	Radium-226	13982-63-3	7.127e-2	0.071	pCi/g	-10.000	1000.000				05/13/08
BLANK	Radium-228	15262-20-1	5.118e-2	0.051	pCi/g	-10.000	1000.000				05/13/08
LCS	Cobalt-60	10198-40-0	10140	102.012	% Recov	80.000	120.000				05/02/08
LCS	Cesium-137	10045-97-3	6122	101.358	% Recov	80.000	120.000				05/02/08

WSCF ANALYTICAL LABORATORY QC REPORT

Department: Radiochemistry

SDG Number: WSCF20080847
Matrix: SOLID
Test: Americium by AEA

Sample Date: 04/17/08
Receive Date:04/28/08

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Lower Limit	Upper Limit	RPD(%)	RPD Limit	RQ	Analysis Date
Lab ID: W08GR01075											
BATCH QC ASSOCIATED WITH SAMPLE											
DUP	Americium-241	14596-10-2	U2e-2		RPD			n/a	20.000		06/04/08
DUP	Am-243 tracer by AEA	AM243	3.995	99.790	% Recov	30.000	105.000				06/04/08
SURR	Am-243 tracer by AEA	AM243	3.894	90.150	% Recov	30.000	105.000				06/04/08
Lab ID: W08GR01078											
BATCH QC ASSOCIATED WITH SAMPLE											
SURR	Am-243 tracer by AEA	AM243	3.72	101.710	% Recov	30.000	105.000				06/04/08
Lab ID: W08GR01079											
BATCH QC ASSOCIATED WITH SAMPLE											
SURR	Am-243 tracer by AEA	AM243	390.9	90.840	% Recov	30.000	105.000				06/04/08
BATCH QC											
BLANK	Americium-241	14596-10-2	U6.1e-3	n/a	pCi/g	-10.000	1000.000				06/04/08
BLANK	Am-243 tracer by AEA	AM243	4.003	79.940	% Recov	30.000	105.000				06/04/08
LCS	Americium-241	14596-10-2	13	109.705	% Recov	80.000	120.000				06/04/08
LCS	Am-243 tracer by AEA	AM243	11.11	87.630	% Recov	30.000	105.000				06/04/08
Lab ID: W08GR01080											
BATCH QC ASSOCIATED WITH SAMPLE											
DUP	Americium-241	14596-10-2	1.9e-2		RPD			19.048	20.000		06/12/08
DUP	Am-243 tracer by AEA	AM243	3.812	95.960	% Recov	30.000	105.000				06/12/08
SURR	Am-243 tracer by AEA	AM243	3.932	91.700	% Recov	30.000	105.000				06/12/08
Lab ID: W08GR01082											
BATCH QC ASSOCIATED WITH SAMPLE											

WSCF ANALYTICAL LABORATORY QC REPORT

Department: Radiochemistry

SDG Number: WSCF20080847
Matrix: SOLID
Test: Americium by AEA

Sample Date: 04/23/08
Receive Date:04/28/08

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Lower Limit	Upper Limit	RPD(%)	RPD Limit	RQ	Analysis Date
SURR	Am-243 tracer by AEA	AM243	3.909	92.200	% Recov	30.000	105.000				06/12/08
BATCH QC											
BLANK	Americium-241	14596-10-2	2.1e-2	0.021	pCi/g	-10.000	1000.000				06/12/08
BLANK	Am-243 tracer by AEA	AM243	4.003	76.590	% Recov	30.000	105.000				06/12/08
LCS	Americium-241	14596-10-2	12.94	100.000	% Recov	80.000	120.000				06/12/08
LCS	Am-243 tracer by AEA	AM243	11.11	95.650	% Recov	30.000	105.000				06/12/08

WSCF ANALYTICAL LABORATORY QC REPORT

Department: Radiochemistry

SDG Number: WSCF20080847
Matrix: SOLID
Test: Neptunium by AEA

Sample Date: 04/17/08
Receive Date:04/28/08

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Lower Limit	Upper Limit	RPD(%)	RPD Limit	RQ	Analysis Date
Lab ID: W08GR01075											
BATCH QC ASSOCIATED WITH SAMPLE											
DUP	Neptunium-237	13994-20-2	3.9e-2		RPD			13.699	25.000		06/04/08
MS	Neptunium-237	13994-20-2	99.866	99.866	% Recov	75.000	125.000				06/04/08
MSD	Neptunium-237	13994-20-2	106.966	106.966	% Recov	75.000	125.000				06/04/08
SPK-RPD	Neptunium-237	13994-20-2	106.966		% RPD			6.865	20.000		06/04/08
Lab ID: W08GR01078											
BATCH QC ASSOCIATED WITH SAMPLE											
MS	Neptunium-237	13994-20-2	96	96.000	% Recov	75.000	125.000				06/04/08
Lab ID: W08GR01079											
BATCH QC ASSOCIATED WITH SAMPLE											
MS	Neptunium-237	13994-20-2	104.4	104.400	% Recov	75.000	125.000				06/04/08
BATCH QC											
BLANK	Neptunium-237	13994-20-2	U3.5e-3	n/a	pCi/G	-10.000	1000.000				06/04/08
LCS	Neptunium-237	13994-20-2	13.07	102.550	% Recov	80.000	120.000				06/04/08
Lab ID: W08GR01080											
BATCH QC ASSOCIATED WITH SAMPLE											
DUP	Neptunium-237	13994-20-2	U1.4e-2		RPD			n/a	25.000		06/10/08
MS	Neptunium-237	13994-20-2	96.2	96.200	% Recov	75.000	125.000				06/10/08
MSD	Neptunium-237	13994-20-2	95	95.000	% Recov	75.000	125.000				06/10/08
SPK-RPD	Neptunium-237	13994-20-2	95.000		% RPD			1.255	20.000		06/10/08
Lab ID: W08GR01082											
BATCH QC ASSOCIATED WITH SAMPLE											

WSCF ANALYTICAL LABORATORY QC REPORT

Department: Radiochemistry

SDG Number: WSCF20080847
Matrix: SOLID
Test: Neptunium by AEA

Sample Date: 04/23/08
Receive Date:04/28/08

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Lower Limit	Upper Limit	RPD(%)	RPD Limit	RQ	Analysis Date
MS	Neptunium-237	13994-20-2	93.1	93.100	% Recov	75.000	125.000				06/10/08
Lab ID: W08GR01097											
BATCH QC ASSOCIATED WITH SAMPLE											
MS	Neptunium-237	13994-20-2	95.1	95.100	% Recov	75.000	125.000				06/10/08
BATCH QC											
BLANK	Neptunium-237	13994-20-2	U4.1e-3	n/a	pCi/G	-10.000	1000.000				06/10/08
LCS	Neptunium-237	13994-20-2	12.12	95.096	% Recov	80.000	120.000				06/10/08

WSCF ANALYTICAL LABORATORY QC REPORT

Department: Radiochemistry

SDG Number: WSCF20080847
Matrix: SOLID
Test: Plutonium Isotopics by AEA

Sample Date: 04/17/08
Receive Date:04/28/08

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Lower Limit	Upper Limit	RPD(%)	RPD Limit	RQ	Analysis Date
Lab ID: W08GR01075											
BATCH QC ASSOCIATED WITH SAMPLE											
DUP	Plutonium-238	13981-16-3	U3.4e-3		RPD			n/a	20.000		05/20/08
DUP	Pu-239/240 by AEA	PU-239/240	3.9e-2		RPD			0.000	20.000		05/20/08
DUP	Pu-242 tracer by AEA	PU242	6.184	91.650	% Recov	30.000	105.000				05/20/08
SURR	Pu-242 tracer by AEA	PU242	6.027	95.780	% Recov	30.000	105.000				05/20/08
Lab ID: W08GR01078											
BATCH QC ASSOCIATED WITH SAMPLE											
SURR	Pu-242 tracer by AEA	PU242	5.759	94.900	% Recov	30.000	105.000				05/20/08
Lab ID: W08GR01079											
BATCH QC ASSOCIATED WITH SAMPLE											
SURR	Pu-242 tracer by AEA	PU242	6051	97.660	% Recov	30.000	105.000				05/20/08
BATCH QC											
BLANK	Plutonium-238	13981-16-3	U7.9e-3	n/a	pCi/g	-10.000	1000.000				05/20/08
BLANK	Pu-239/240 by AEA	PU-239/240	U-2e-3	n/a	pCi/g	-10.000	1000.000				05/20/08
BLANK	Pu-242 tracer by AEA	PU242	6.196	84.750	% Recov	30.000	105.000				05/20/08
LCS	Pu-239/240 by AEA	PU-239/240	13.61	105.956	% Recov	80.000	120.000				05/20/08
LCS	Pu-242 tracer by AEA	PU242	17.19	91.900	% Recov	30.000	105.000				05/20/08
Lab ID: W08GR01080											
BATCH QC ASSOCIATED WITH SAMPLE											
DUP	Plutonium-238	13981-16-3	U3.4e-3		RPD			n/a	20.000		06/12/08
DUP	Pu-239/240 by AEA	PU-239/240	U8.6e-3		RPD			n/a	20.000		06/12/08
DUP	Pu-242 tracer by AEA	PU242	5.901	94.100	% Recov	30.000	105.000				06/12/08
SURR	Pu-242 tracer by AEA	PU242	6.087	97.170	% Recov	30.000	105.000				06/12/08

WSCF ANALYTICAL LABORATORY QC REPORT

Department: **Radiochemistry**

SDG Number: WSCF20080847
Matrix: SOLID
Test: Plutonium Isotopics by AEA

Sample Date: 04/22/08
Receive Date:04/28/08

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Lower Limit	Upper Limit	RPD(%)	RPD Limit	RQ	Analysis Date
Lab ID: W08GR01082											
BATCH QC ASSOCIATED WITH SAMPLE											
SURR	Pu-242 tracer by AEA	PU242	6.051	97.580	% Recov	30.000	105.000				06/12/08
BATCH QC											
BLANK	Plutonium-238	13981-16-3	U1.5e-2	n/a	pCi/g	-10.000	1000.000				06/12/08
BLANK	Pu-239/240 by AEA	PU-239/240	U9.4e-3	n/a	pCi/g	-10.000	1000.000				06/12/08
BLANK	Pu-242 tracer by AEA	PU242	6.196	90.150	% Recov	30.000	105.000				06/12/08
LCS	Pu-239/240 by AEA	PU-239/240	11.68	90.966	% Recov	80.000	120.000				06/12/08
LCS	Pu-242 tracer by AEA	PU242	17.19	96.240	% Recov	30.000	105.000				06/12/08

WSCF ANALYTICAL LABORATORY QC REPORT

Department: Radiochemistry

SDG Number: WSCF20080847
Matrix: SOLID
Test: Strontium 89/90

Sample Date: 04/17/08
Receive Date:04/28/08

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Lower Limit	Upper Limit	RPD(%)	RPD Limit	RQ	Analysis Date
Lab ID: W08GR01075											
BATCH QC ASSOCIATED WITH SAMPLE											
DUP	Sr-85 Tracer by Beta Counting	SR85	89.3	89.300	% Recov	30.000	105.000				05/06/08
DUP	Strontium-89/90	SR-RAD	6.1E+01		RPD			10.853	20.000		05/06/08
SURR	Sr-85 Tracer by Beta Counting	SR85	92.8	92.800	% Recov	30.000	105.000				05/06/08
Lab ID: W08GR01078											
BATCH QC ASSOCIATED WITH SAMPLE											
SURR	Sr-85 Tracer by Beta Counting	SR85	92.8	92.800	% Recov	30.000	105.000				05/06/08
Lab ID: W08GR01080											
BATCH QC ASSOCIATED WITH SAMPLE											
SURR	Sr-85 Tracer by Beta Counting	SR85	94.0	94.000	% Recov	30.000	105.000				05/06/08
Lab ID: W08GR01082											
BATCH QC ASSOCIATED WITH SAMPLE											
SURR	Sr-85 Tracer by Beta Counting	SR85	97.3	97.300	% Recov	30.000	105.000				05/06/08
BATCH QC											
BLANK	Sr-85 Tracer by Beta Counting	SR85	100.7	100.700	% Recov	30.000	105.000				05/06/08
BLANK	Strontium-89/90	10098-97-2	U-1.0	n/a	pCi/g	-10.000	300.000				05/06/08
LCS	Sr-85 Tracer by Beta Counting	SR85	85.5	85.500	% Recov	30.000	105.000				05/06/08
LCS	Strontium-89/90	10098-97-2	77.1	109.947	% Recov	80.000	120.000				05/06/08
Lab ID: W08GR01079											
BATCH QC ASSOCIATED WITH SAMPLE											
SURR	Sr-85 Tracer by Beta Counting	SR85	84.5	84.500	% Recov	30.000	105.000				05/07/08

WSCF ANALYTICAL LABORATORY QC REPORT

Department: Radiochemistry

SDG Number: WSCF20080847
Matrix: SOLID
Test: Strontium 89/90

Sample Date: 02/11/08
Receive Date:05/01/08

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Lower Limit	Upper Limit	RPD(%)	RPD Limit	RQ	Analysis Date
Lab ID: W08GR01131											
BATCH QC ASSOCIATED WITH SAMPLE											
DUP	Sr-85 Tracer by Beta Counting	SR85	93.9	93.900	% Recov	30.000	105.000				05/07/08
DUP	Strontium-89/90	SR-RAD	U-1.0		RPD			n/a	20.000		05/07/08
BATCH QC											
BLANK	Sr-85 Tracer by Beta Counting	SR85	97	97.000	% Recov	30.000	105.000				05/07/08
BLANK	Strontium-89/90	10098-97-2	U-8.2E-01	n/a	pCi/g	-10.000	300.000				05/07/08
LCS	Sr-85 Tracer by Beta Counting	SR85	90.5	90.500	% Recov	30.000	105.000				05/07/08
LCS	Strontium-89/90	10098-97-2	75.6	107.807	% Recov	80.000	120.000				05/07/08

WSCF ANALYTICAL LABORATORY QC REPORT

Department: Radiochemistry

SDG Number: WSCF20080847
Matrix: SOLID
Test: Uranium Isotopics by AEA

Sample Date: 04/17/08
Receive Date:04/28/08

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Lower Limit	Upper Limit	RPD(%)	RPD Limit	RQ	Analysis Date
Lab ID: W08GR01075											
BATCH QC ASSOCIATED WITH SAMPLE											
DUP	U-232 tracer by AEA	U232	4.105	91.700	% Recov	30.000	105.000				05/20/08
DUP	Uranium-233/234	U-233/234	1.1		RPD			23.350	20.000 *		05/20/08
DUP	Uranium-235	15117-96-1	0.1		RPD			56.410	20.000 *		05/20/08
DUP	Uranium-238	U-238	0.9		RPD			16.867	20.000		05/20/08
SURR	U-232 tracer by AEA	U232	4.113	16.040	% Recov	30.000	105.000		*		05/20/08
Lab ID: W08GR01078											
BATCH QC ASSOCIATED WITH SAMPLE											
SURR	U-232 tracer by AEA	U232	3.823	87.840	% Recov	30.000	105.000				05/20/08
Lab ID: W08GR01079											
BATCH QC ASSOCIATED WITH SAMPLE											
SURR	U-232 tracer by AEA	U232	401.7	89.010	% Recov	30.000	105.000				05/20/08
BATCH QC											
BLANK	U-232 tracer by AEA	U232	4.113	83.880	% Recov	30.000	105.000				05/20/08
BLANK	Uranium-233/234	13966-29-5	2.5e-2	0.025	pCi/g	-10.000	1000.000				05/20/08
BLANK	Uranium-235	15117-96-1	1.1e-2	0.011	pCi/g	-10.000	1000.000				05/20/08
BLANK	Uranium-238	24678-82-8	9.7e-3	0.010	pCi/g	-10.000	1000.000				05/20/08
LCS	U-232 tracer by AEA	U232	11.41	78.920	% Recov	30.000	105.000				05/20/08
LCS	Uranium-233/234	13966-29-5	n/a	n/a	% Recov	75.000	125.000				05/20/08
LCS	Uranium-235	15117-96-1	n/a	n/a	% Recov	75.000	125.000				05/20/08
LCS	Uranium-238	24678-82-8	20.08	105.935	% Recov	80.000	120.000				05/20/08
Lab ID: W08GR01080											
BATCH QC ASSOCIATED WITH SAMPLE											

WSCF ANALYTICAL LABORATORY QC REPORT

Department: Radiochemistry

SDG Number: WSCF20080847
Matrix: SOLID
Test: Uranium Isotopics by AEA

Sample Date: 04/22/08
Receive Date:04/28/08

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Lower Limit	Upper Limit	RPD(%)	RPD Limit	RQ	Analysis Date
DUP	U-232 tracer by AEA	U232	3.914	90.480	% Recov	30.000	105.000				06/24/08
DUP	Uranium-233/234	U-233/234	1.7		RPD			5.714	20.000		06/24/08
DUP	Uranium-235	15117-96-1	0.17		RPD			12.500	20.000		06/24/08
DUP	Uranium-238	U-238	1.4		RPD			13.333	20.000		06/24/08
SURR	U-232 tracer by AEA	U232	4.037	80.540	% Recov	30.000	105.000				06/24/08
Lab ID: W08GR01082											
BATCH QC ASSOCIATED WITH SAMPLE											
SURR	U-232 tracer by AEA	U232	4.013	78.120	% Recov	30.000	105.000				06/24/08
BATCH QC											
BLANK	U-232 tracer by AEA	U232	4.11	90.920	% Recov	30.000	105.000				06/24/08
BLANK	Uranium-233/234	13966-29-5	U9.7e-3	n/a	pCi/g	-10.000	1000.000				06/24/08
BLANK	Uranium-235	15117-96-1	8.5e-3	0.009	pCi/g	-10.000	1000.000				06/24/08
BLANK	Uranium-238	24678-82-8	U1.2e-2	n/a	pCi/g	-10.000	1000.000				06/24/08
LCS	U-232 tracer by AEA	U232	11.4	83.960	% Recov	30.000	105.000				06/24/08
LCS	Uranium-233/234	13966-29-5	n/a	n/a	% Recov	75.000	125.000				06/24/08
LCS	Uranium-235	15117-96-1	n/a	n/a	% Recov	75.000	125.000				06/24/08
LCS	Uranium-238	24678-82-8	20.52	108.256	% Recov	80.000	120.000				06/24/08

WSCF
ANALYTICAL COMMENT REPORT

Attention: Steve Trent
Project Number F08-066

Group #: WSCF20080847
Department: Radiochemistry

Sample #	Client ID	Lab Area	Test	Comment
		VALGROUP		ICP-MS: Barium spike RPD over 20% but still pass. X-flag ORGANICS: All samples are corrected for moisture and reported on a dry weight basis. cgc U-235 duplicate is flagged for poor RPD but the sample activity is low level. RPD does not apply to low level samples. lmh U-234 duplicate is flagged for poor RPD due to the inhomogeneity of the sample. lmh U-232 Tracer recovery is low. Since all the other tracer came out fine, this batch has been approved. lmh

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

M4W41-SLF-08-643

ATTACHMENT 5

SAMPLE RECEIPT INFORMATION

Consisting of 28 pages
Including cover page

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

ACKNOWLEDGMENT OF SAMPLES RECEIVED

Groundwater Remediation Program
Richland, WA 99354
Attn: Steve Trent

Customer Code: GPP
PO#: 123210/ES20
Group#: 20080847
Project#: F08-066
Proj Mgr: Steve Trent E6-35
Phone: 373-5869

The following samples were received from you on 04/28/08. They have been scheduled for the tests listed beside each sample. If this information is incorrect, please contact your service representative. Thank you for using Waste Sampling and Characterization Facility.

Sample#	Sample Id	Tests Scheduled	Matrix	Sample Date
W08GR01075	B1TFF2	GPP @2008 @GEA-GPP PERSOLID	TRENT Solid, or handle as if solid @AEA-30 @AEA-31 @AEA-32 @AEA-33 @IC-30 @PCBGPP @SR89_90 @SVOCGPP @TPHD PH-30	04/17/08
W08GR01076	B1TFF0	GPP @VOA-GPP	TRENT Solid, or handle as if solid	04/17/08
W08GR01077	B1TFF1	GPP	TRENT Solid, or handle as if solid	04/17/08
W08GR01078	B1TFF5	GPP @2008 @GEA-GPP PERSOLID	TRENT Solid, or handle as if solid @AEA-30 @AEA-31 @AEA-32 @AEA-33 @IC-30 @PCBGPP @SR89_90 @SVOCGPP @TPHD PH-30	04/21/08
W08GR01079	B1TFD9	GPP @2008 @GEA-GPP PERSOLID	TRENT Solid, or handle as if solid @AEA-30 @AEA-31 @AEA-32 @AEA-33 @IC-30 @PCBGPP @SR89_90 @SVOCGPP @TPHD PH-30	04/17/08
W08GR01080	B1TFF8	GPP @2008 @GEA-GPP PERSOLID	TRENT Solid, or handle as if solid @AEA-30 @AEA-31 @AEA-32 @AEA-33 @IC-30 @PCBGPP @SR89_90 @SVOCGPP @TPHD PH-30	04/22/08
W08GR01082	B1TFH1	GPP @2008 @GEA-GPP PERSOLID	TRENT Solid, or handle as if solid @AEA-30 @AEA-31 @AEA-32 @AEA-33 @IC-30 @PCBGPP @SR89_90 @SVOCGPP @TPHD PH-30	04/23/08
W08GR01084	B1TFF3	GPP @VOA-GPP	TRENT Solid, or handle as if solid	04/21/08
W08GR01085	B1TFD7	GPP @VOA-GPP	TRENT Solid, or handle as if solid	04/17/08
W08GR01086	B1TFF6	GPP @VOA-GPP	TRENT Solid, or handle as if solid	04/22/08

Groundwater Remediation Program

Richland, WA 99354
Attn: Steve Trent

Customer Code: GPP
PO#: 123210/ES20
Group#: 20080847
Project#: F08-066
Proj Mgr: Steve Trent E6-35
Phone: 373-5869

Sample#	Sample Id	Tests Scheduled	Matrix	Sample Date
W08GR01087	B1TFF9	GPP @VOA-GPP	TRENT Solid, or handle as if solid	04/23/08
W08GR01088	B1TFF4	GPP	TRENT Solid, or handle as if solid	04/21/08
W08GR01089	B1TFD8	GPP	TRENT Solid, or handle as if solid	04/17/08
W08GR01090	B1TFF7	GPP	TRENT Solid, or handle as if solid	04/22/08
W08GR01091	B1TFH0	GPP	TRENT Solid, or handle as if solid	04/23/08

Test Acronym Description

Test Acronym	Description
@2008	ICP-200.8 MS All possible meta
@AEA-30	Plutonium Isotopics by AEA
@AEA-31	Americium by AEA
@AEA-32	Uranium Isotopics by AEA
@AEA-33	Neptunium by AEA
@GEA-GPP	Gamma Energy Analysis-grd H2O
@IC-30	Anions by Ion Chromatography
@PCBGPP	PCBs complete list
@SR89_90	Strontium 89/90
@SVOCGPP	SW-846 8270C Semi-Vols
@TPHD-WA	NWTPH-D TPH Diesel Range (Wa)
@VOA-GPP	VOA Ground Water Protection
PERSOLID	Percent Solids
PH-30	pH Soil and Waste Measurement

6/1405

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-066-036 PAGE 1 OF 2

COLLECTOR NCO Sampler D Connolly	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL
SAMPLING LOCATION C6174, I-006	**PROJECT DESIGNATION** 216-S-6 Crib Sampling - Soil		**SAF NO.** F08-066
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-585-5 pg 27	**ACTUAL SAMPLE DEPTH** 45'-47.5'	**COA** 123210ES20
SHIPPED TO Waste Sampling & Characterization	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A

PRICE CODE 8N **DATA TURNAROUND** 45 Days / 45 Days

AIR QUALITY ☐

METHOD OF SHIPMENT GOVERNMENT VEHICLE

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

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 HANDLING AND/OR STORAGE
Radioactive tie to B1TFB4

20080847

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME	PRESERVATION	TYPE OF CONTAINER	NO. OF CONTAINER(S)	VOLUME	SAMPLE ANALYSIS
				Cool~4C	G/P	1	120mL	SEE ITEM (1) IN SPECIAL INSTRUCTIONS
				Cool~4C	aG	1	120mL	SEE ITEM (2) IN SPECIAL INSTRUCTIONS
				Cool~4C	aG	1	120mL	SEE ITEM (3) IN SPECIAL INSTRUCTIONS
				Cool~4C	aG	1	120mL	PCBs/8082;
				Cool~4C	G/P	1	120mL	SEE ITEM (4) IN SPECIAL INSTRUCTIONS
				Cool~4C	G/P	1	120mL	SEE ITEM (5) IN SPECIAL INSTRUCTIONS
				None	Square Bottle - Poly	1	500mL	SEE ITEM (6) IN SPECIAL INSTRUCTIONS
B1TFF2	W086R01075	SOIL	4.17.8	1425	✓	✓	✓	✓

ICED

D-4875 → 519616

CHAIN OF POSSESSION

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
D Connolly	4-17-8 1500	on site Ref	4-17-8 1500
On site Ref	4-24-08 1300	Chris Sutton	4-24-08 1306
Chris Sutton	4-24-08 1400	Victor Ref	4/24/08 1400

SIGN/ PRINT NAMES

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION RECEIVED BY ____ TITLE ____ DATE/TIME ____

FINAL SAMPLE DISPOSITION DISPOSAL METHOD ____ DISPOSED BY ____ DATE/TIME ____

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Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-066-036	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION C6174, I-006	**PROJECT DESIGNATION** 216-S-6 Crib Sampling - Soil		**SAF NO.** F08-066	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA** 123210ES20	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Waste Sampling & Characterization	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.

** Analytical batch QC must be run on a sample associated with this SAF.
(1)Conductivity - 9050 {Specific Conductance} pH (Soil) - 9045 {pH Measurement}
(2)Semi-VOA - 8270B (Add-On) {1,2,4-Trimethylbenzene, Tributyl phosphate}
(3)TPH-DieselKerosene Range - WTPH-D {Total petroleum hydrocarbons - diesel range, Total petroleum hydrocarbons - kerosene range}
(4)ICP/MS - 200.8 (TAL) {Barium, Cadmium, Chromium, Copper, Nickel, Silver, Zinc} ICP/MS - 200.8 (Add-on) {Arsenic, Beryllium, Lead, Selenium} 200.8_HG - ICPMS;
(5)IC Anions - 300.0 {Fluoride, Nitrogen in Nitrate, Nitrogen in Nitrite, Sulfate}
(6)Gamma Spectroscopy {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155, Radium-226} Gamma Spec - Add-on {Niobium-94, Radium-228} Isotopic Uranium; Neptunium-237; Strontium-89,90 -- Total Sr; Isotopic Plutonium; Americium-241 {Americium-241}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-066-034 PAGE 1 OF 2

COLLECTOR: NCO Sampler	COMPANY CONTACT: TRENT, SJ	TELEPHONE NO.: 373-5869	PROJECT COORDINATOR: WIDRIG, DL	PRICE CODE: 8N
SAMPLING LOCATION: C6174, I-006	PROJECT DESIGNATION: 216-S-6 Crib Sampling - Soil		SAF NO.: F08-066	AIR QUALITY: ☐
ICE CHEST NO.	FIELD LOGBOOK NO.: HNF-N-585-5 pg 27	ACTUAL SAMPLE DEPTH: 45'-47.5'	COA: 123210ES20	METHOD OF SHIPMENT: GOVERNMENT VEHICLE
SHIPPED TO: Waste Sampling & Characterization	OFFSITE PROPERTY NO.: N/A		BILL OF LADING/AIR BILL NO.: N/A	

DATA TURNAROUND: 45 Days / 45 Days

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

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 HANDLING AND/OR STORAGE
Radioactive tie to B1TFB4

PRESERVATION	Cool <-7C and >-20C	MEOH/Cool~4 C
TYPE OF CONTAINER	aGs*	aGs*
NO. OF CONTAINER(S)	5	3
VOLUME	40mL	40mL
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1TFF0 W0716201076	SOIL	4-17-8	1425	✓	✓

ICED

7/21/10 7/21/10

CHAIN OF POSSESSION — **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
D Cammack	4-17-8	on site Ref	4-17-8
Chris Ref	4-29-08 1300	Chris Futter	4-28-08 1300
Chris Futter	4-28-08 1400	Victor Sims	4/28/08 1400

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION — RECEIVED BY — TITLE — DATE/TIME

FINAL SAMPLE DISPOSITION — DISPOSAL METHOD — DISPOSED BY — DATE/TIME

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-066-034	PAGE 2 OF 2
COLLECTOR	**COMPANY CONTACT**	**TELEPHONE NO.**	**PROJECT COORDINATOR**	**PRICE CODE** 8N	**DATA TURNAROUND**
NCO Sampler	TRENT, SJ	373-5869	WIDRIG, DL		
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY** ☐	45 Days / 45 Days
C6174, I-006	216-S-6 Crib Sampling - Soil		F08-066		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**	
			123210ES20	GOVERNMENT VEHICLE	
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**		
Waste Sampling & Characterization	N/A		N/A		

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.

** Analytical batch QC must be run on a sample associated with this SAF.
** All VOA samples will be collected using EPA Method 5035A.
** VOA sample bottle sets will include 3 bottles for high level analysis, 5 bottles for low level analysis, and 1 methanol process control sample.
** The laboratory is to use one of the low level VOA bottles for moisture content determination.
** VOA bottles will be labeled with an appended suffix of K, L, M, N, or P for low level and W, X, or Y for high level. These suffixes are for the purpose of providing bottle weights to the laboratories. These suffixes should not be include as part of the sample ID reported in the final data packages.
(1)VOA - 5035/8260 (LOW LEVEL); VOA - 5035/8260 (LOW LEVEL) - (Add-On) {Acetonitrile, Hexane, Tetrahydrofuran}
(2)VOA - 5035/8260 (HIGH LEVEL); VOA - 5035/8260 (HIGH LEVEL) - (Add-On) {Acetonitrile, Hexane, Tetrahydrofuran}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-066-035 PAGE 1 OF 1

COLLECTOR NCO Sampler D Connolly	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL
SAMPLING LOCATION C6174, I-006	**PROJECT DESIGNATION** 216-S-6 Crib Sampling - Soil		**SAF NO.** F08-066
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-585-5 pg 27	**ACTUAL SAMPLE DEPTH** 45' - 47.5'	**COA** 123210ES20
SHIPPED TO Waste Sampling & Charactenzation	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A

PRICE CODE 8N **DATA TURNAROUND** 45 Days / 45 Days

AIR QUALITY ☐

METHOD OF SHIPMENT GOVERNMENT VEHICLE

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

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 HANDLING AND/OR STORAGE
Radioactive tie to B1TFB4

PRESERVATION	Cool~4C
TYPE OF CONTAINER	aGs*
NO. OF CONTAINER(S)	1
VOLUME	40mL
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME	
B1TFF1 W0816201077	SOIL	4-17-8	1425	V

ICED

7/2/10

CHAIN OF POSSESSION

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
D Connolly	4-17-8 1500	on site Ref	4-17-8 1500
Chris Fulton	4-28-08 1300	Chris Fulton	4-28-08 1300
Chris Fulton	4-28-08 1400	Victor Sims	4/28/08 1400

SIGN/ PRINT NAMES

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.

** Analytical batch QC must be run on a sample associated with this SAF.
** All VOA samples will be collected using EPA Method 5035A.
(1)VOA - 5035/8260 (TCL); VOA - 5035/8260 - (Add-On) {Acetonitrile, Hexane, Tetrahydrofuran}

LABORATORY SECTION — RECEIVED BY — TITLE — DATE/TIME

FINAL SAMPLE DISPOSITION — DISPOSAL METHOD — DISPOSED BY — DATE/TIME

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-066-039 PAGE 1 OF 2

COLLECTOR
NCO Sampler D Connolly

COMPANY CONTACT
TRENT, SJ

TELEPHONE NO.
373-5869

PROJECT COORDINATOR
WIDRIG, DL

PRICE CODE 8N

DATA TURNAROUND
45 Days / 45 Days

AIR QUALITY ☐

SAMPLING LOCATION
C6174, I-007

PROJECT DESIGNATION
216-S-6 Crib Sampling - Soil

SAF NO.
F08-066

ICE CHEST NO.

FIELD LOGBOOK NO.
HNF-N-385-5 pg 28

ACTUAL SAMPLE DEPTH
67.5' - 70'

COA
123210ES20

METHOD OF SHIPMENT
GOVERNMENT VEHICLE

SHIPPED TO
Waste Sampling & Characterization

OFFSITE PROPERTY NO.
N/A

BILL OF LADING/AIR BILL NO.
N/A

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

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 HANDLING AND/OR STORAGE
Radioactive tie to B1TFB5

PRESERVATION	Cool~4C	Cool~4C	Cool~4C	Cool~4C	Cool~4C	Cool~4C	None	
TYPE OF CONTAINER	G/P	aG	aG	aG	G/P	G/P	Square Bottle - Poly	
NO. OF CONTAINER(S)	1	1	1	1	1	1	1	
VOLUME	120mL	120mL	120mL	120mL	120mL	120mL	500mL	
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS	SEE ITEM (3) IN SPECIAL INSTRUCTIONS	PCBs - 8082;	SEE ITEM (4) IN SPECIAL INSTRUCTIONS	SEE ITEM (5) IN SPECIAL INSTRUCTIONS	SEE ITEM (6) IN SPECIAL INSTRUCTIONS	

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME							
B1TFF5 wo 1620107	SOIL	4-21-8	1335	✓	✓	✓	✓	✓	✓	✓

ICED

LOT #

024875 024875 2241090 3071100 024875 024875 583712

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
D Connolly	4-21-8 1400	on site Ref	4-21-8 1400
on site Ref	4-28-08 1300	D Parker	4-28-08 1300
D. Parker	4-28-08 1400	Victor SMS	4/28/08 1400

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

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LABORATORY SECTION RECEIVED BY | TITLE | DATE/TIME

FINAL SAMPLE DISPOSITION DISPOSAL METHOD | DISPOSED BY | DATE/TIME

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-066-039	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION C6174, I-007	**PROJECT DESIGNATION** 216-S-6 Crib Sampling - Soil		**SAF NO.** F08-066	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA** 123210ES20	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Waste Sampling & Characterization	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.

** Analytical batch QC must be run on a sample associated with this SAF.
(1)Conductivity - 9050 {Specific Conductance} pH (Soil) - 9045 {pH Measurement}
(2)Semi-VOA - 8270B (Add-On) {1,2,4-Trimethylbenzene, Tributyl phosphate}
(3)TPH-DieselKerosene Range - WTPH-D {Total petroleum hydrocarbons - diesel range, Total petroleum hydrocarbons - kerosene range}
(4)ICP/MS - 200.8 (TAL) {Barium, Cadmium, Chromium, Copper, Nickel, Silver, Zinc} ICP/MS - 200.8 (Add-on) {Arsenic, Beryllium, Lead, Selenium} 200.8_HG - ICPMS;
(5)IC Anions - 300.0 {Fluoride, Nitrogen in Nitrate, Nitrogen in Nitrite, Sulfate}
(6)Gamma Spectroscopy {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155, Radium-226} Gamma Spec - Add-on {Niobium-94, Radium-228} Isotopic Uranium; Neptunium-237; Strontium-89,90 -- Total Sr; Isotopic Plutonium; Americium-241 {Americium-241}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-066-037 PAGE 1 OF 2

COLLECTOR
NCO Sampler D Connolly

COMPANY CONTACT
TRENT, SJ

TELEPHONE NO.
373-5869

PROJECT COORDINATOR
WIDRIG, DL

PRICE CODE 8N

DATA TURNAROUND

AIR QUALITY ☐

45 Days / 45 Days

SAMPLING LOCATION
C6174, I-007

PROJECT DESIGNATION
216-S-6 Crib Sampling - Soil

SAF NO.
F08-066

ICE CHEST NO.

FIELD LOGBOOK NO.
HNF-N-585-5 pg 28

ACTUAL SAMPLE DEPTH
67.5'-70'

COA
123210ES20

METHOD OF SHIPMENT
GOVERNMENT VEHICLE

SHIPPED TO
Waste Sampling & Characterization

OFFSITE PROPERTY NO.
N/A

BILL OF LADING/AIR BILL NO.
N/A

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

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 HANDLING AND/OR STORAGE
Radioactive tie to B1TFB5

PRESERVATION	Cool <-7C and >-20C	MEOH/Cool~4 C
TYPE OF CONTAINER	aGs*	aGs*
NO. OF CONTAINER(S)	5	3
VOLUME	40mL	40mL
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1TFF3 W08C22 1064	SOIL	4-21-8	1335	✓	✓

ICED

Lot# 749577 749577

CHAIN OF POSSESSION — **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
DConnolly	4-21-8 1400	on site Ref	4-21-8 1400
on site Ref	4-28-08 1200	D. Parker	4-28-08 1200
D. Parker	4-28-08 1400	V. Hall Bins	4-28-08 1400

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION RECEIVED BY — TITLE — DATE/TIME

FINAL SAMPLE DISPOSITION DISPOSAL METHOD — DISPOSED BY — DATE/TIME

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Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-066-037	PAGE 2 OF 2
COLLECTOR NCO Sampler	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION C6174, I-007	**PROJECT DESIGNATION** 216-S-6 Crib Sampling - Soil		**SAF NO.** F08-066	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA** 123210ES20	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Waste Sampling & Characterization	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.

** Analytical batch QC must be run on a sample associated with this SAF.
** All VOA samples will be collected using EPA Method 5035A.
** VOA sample bottle sets will include 3 bottles for high level analysis, 5 bottles for low level analysis, and 1 methanol process control sample.
** The laboratory is to use one of the low level VOA bottles for moisture content determination.
** VOA bottles will be labeled with an appended suffix of K, L, M, N, or P for low level and W, X, or Y for high level. These suffixes are for the purpose of providing bottle weights to the laboratories. These suffixes should not be include as part of the sample ID reported in the final data packages.
(1)VOA - 5035/8260 (LOW LEVEL); VOA - 5035/8260 (LOW LEVEL) - (Add-On) {Acetonitrile, Hexane, Tetrahydrofuran}
(2)VOA - 5035/8260 (HIGH LEVEL); VOA - 5035/8260 (HIGH LEVEL) - (Add-On) {Acetonitrile, Hexane, Tetrahydrofuran}

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-066-038 PAGE 1 OF 1

COLLECTOR
NCO Sampler D Connolly

COMPANY CONTACT
TRENT, SJ

TELEPHONE NO.
373-5869

PROJECT COORDINATOR
WIDRIG, DL

PRICE CODE 8N

DATA TURNAROUND
45 Days / 45 Days

SAMPLING LOCATION
C6174, I-007

PROJECT DESIGNATION
216-S-6 Crib Sampling - Soil

SAF NO.
F08-066

AIR QUALITY ☐

ICE CHEST NO.

FIELD LOGBOOK NO.
HNF-N-585-5 pg 28

ACTUAL SAMPLE DEPTH
67.5' - 70'

COA
123210ES20

METHOD OF SHIPMENT
GOVERNMENT VEHICLE

SHIPPED TO
Waste Sampling & Characterization

OFFSITE PROPERTY NO.
N/A

BILL OF LADING/AIR BILL NO.
N/A

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

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 HANDLING AND/OR STORAGE
Radioactive tie to B1TFB5

PRESERVATION	Cool~4C
TYPE OF CONTAINER	aGs*
NO. OF CONTAINER(S)	1
VOLUME	40mL
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME	
B1TFF4 J0886201088	SOIL	4-21-8	1335	✓

ICED

Lot# 749577

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
D Connolly	4-21-8 1400	on site Ref	4-21-8 1400
0.1 S.tc Ref	4-28-08 1300	D. Parker	4-28-08
D. Parker	4-28-08 1400	Victor Bins	4/28/08 1400

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.

** Analytical batch QC must be run on a sample associated with this SAF.
** All VOA samples will be collected using EPA Method 5035A.
(1)VOA - 5035/8260 (TCL); VOA - 5035/8260 - (Add-On) {Acetonitrile, Hexane, Tetrahydrofuran}

LABORATORY SECTION RECEIVED BY | TITLE | DATE/TIME

FINAL SAMPLE DISPOSITION DISPOSAL METHOD | DISPOSED BY | DATE/TIME

A-6003-518(01/05)

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-066-033 | PAGE 1 OF 2

COLLECTOR
NCO Sampler — D Connolly

COMPANY CONTACT
TRENT, SJ

TELEPHONE NO.
373-5869

PROJECT COORDINATOR
WIDRIG, DL

PRICE CODE 8N

DATA TURNAROUND
45 Days / 45 Days

AIR QUALITY ☐

SAMPLING LOCATION
C6174, I-005

PROJECT DESIGNATION
216-S-6 Crib Sampling - Soil

SAF NO.
F08-066

ICE CHEST NO.

FIELD LOGBOOK NO.
HNF-N-585-5 pg 27

ACTUAL SAMPLE DEPTH
29.2'-31.7'

COA
123210ES20

METHOD OF SHIPMENT
GOVERNMENT VEHICLE

SHIPPED TO
Waste Sampling & Characterization

OFFSITE PROPERTY NO.
N/A

BILL OF LADING/AIR BILL NO.
N/A

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

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 HANDLING AND/OR STORAGE
Radioactive tie to B1TFB3

PRESERVATION	Cool~4C	Cool~4C	Cool~4C	Cool~4C	Cool~4C	Cool~4C	None	
TYPE OF CONTAINER	G/P	aG	aG	aG	G/P	G/P	Square Bottle - Poly	
NO. OF CONTAINER(S)	1	1	1	1	1	1	1	
VOLUME	120mL	120mL	120mL	120mL	120mL	120mL	500mL	
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS	SEE ITEM (3) IN SPECIAL INSTRUCTIONS	PCBs - 8082;	SEE ITEM (4) IN SPECIAL INSTRUCTIONS	SEE ITEM (5) IN SPECIAL INSTRUCTIONS	SEE ITEM (6) IN SPECIAL INSTRUCTIONS	

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME							
B1TFD9 W026201079	SOIL	4-17-8	0915	✓	✓	✓	✓	✓	✓	✓

ICED

024475 → 519616

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
D Connolly	4-17-8 1100	on site Ref	4-17-8 1100
On site Ref	4-24-08 1300	Chris Sutton	4-24-08 1300
Chris Sutton	4-24-08 1400	Victor Bins	4/28/08 1400

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION — RECEIVED BY — TITLE — DATE/TIME

FINAL SAMPLE DISPOSITION — DISPOSAL METHOD — DISPOSED BY — DATE/TIME

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Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-066-033	PAGE 2 OF 2
COLLECTOR	**COMPANY CONTACT**	**TELEPHONE NO.**	**PROJECT COORDINATOR**	**PRICE CODE** 8N	**DATA TURNAROUND**
NCO Sampler	TRENT, SJ	373-5869	WIDRIG, DL		
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY** ☐	45 Days / 45 Days
C6174, I-005	216-S-6 Crib Sampling - Soil		F08-066		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**	
			123210ES20	GOVERNMENT VEHICLE	
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**		
Waste Sampling & Characterization	N/A		N/A		

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.

** Analytical batch QC must be run on a sample associated with this SAF.
(1)Conductivity - 9050 (Specific Conductance) pH (Soil) - 9045 (pH Measurement)
(2)Semi-VOA - 8270B (Add-On) (1,2,4-Trimethylbenzene, Tributyl phosphate)
(3)TPH-DieselKerosene Range - WTPH-D (Total petroleum hydrocarbons - diesel range, Total petroleum hydrocarbons - kerosene range)
(4)ICP/MS - 200.8 (TAL) (Barium, Cadmium, Chromium, Copper, Nickel, Silver, Zinc) ICP/MS - 200.8 (Add-on) (Arsenic, Beryllium, Lead, Selenium) 200.8_HG - ICPMS;
(5)IC Anions - 300.0 (Fluoride, Nitrogen in Nitrate, Nitrogen in Nitrite, Sulfate)
(6)Gamma Spectroscopy (Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155, Radium-226) Gamma Spec - Add-on (Niobium-94, Radium-228) Isotopic Uranium; Neptunium-237; Strontium-89,90 -- Total Sr; Isotopic Plutonium; Americium-241 (Americium-241)

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-066-031 PAGE 1 OF 2

COLLECTOR: NCO Sampler D Connolly	COMPANY CONTACT: TRENT, SJ	TELEPHONE NO.: 373-5869	PROJECT COORDINATOR: WIDRIG, DL	PRICE CODE: 8N
SAMPLING LOCATION: C6174, I-005	PROJECT DESIGNATION: 216-S-6 Crib Sampling - Soil		SAF NO.: F08-066	AIR QUALITY: ☐
ICE CHEST NO.	FIELD LOGBOOK NO.: HNF-N-585-5 Pg 27	ACTUAL SAMPLE DEPTH: 29.2' - 31.7'	COA: 123210ES20	METHOD OF SHIPMENT: GOVERNMENT VEHICLE
SHIPPED TO: Waste Sampling & Characterization	OFFSITE PROPERTY NO.: N/A		BILL OF LADING/AIR BILL NO.: N/A	

DATA TURNAROUND: 45 Days / 45 Days

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

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 HANDLING AND/OR STORAGE
Radioactive tie to B1TFB3

PRESERVATION	Cool <-7C and >-20C	MEOH/Cool~4 C
TYPE OF CONTAINER	aGs*	aGs*
NO. OF CONTAINER(S)	5	3
VOLUME	40mL	40mL
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1TFD7 W0862W1085	SOIL	4-17-8	0915	✓	✓

ICED

731210 731210

CHAIN OF POSSESSION — **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
D Connolly	4-17-8 1100	on site Ref	4-17-8 1100
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Onsite Ref	4-29-08 1300	Chris Hutton	4-28-08 1300
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Chris Hutton	4-28-08	Victor Sims	4/28/08 1400
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION — RECEIVED BY — TITLE — DATE/TIME

FINAL SAMPLE DISPOSITION — DISPOSAL METHOD — DISPOSED BY — DATE/TIME

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-066-031 PAGE 2 OF 2

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 8N	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	WIDRIG, DL		
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY** ☐	45 Days / 45 Days
C6174, I-005	216-S-6 Crib Sampling - Soil		F08-066		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**	
			123210ES20	GOVERNMENT VEHICLE	
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**		
Waste Sampling & Characterization	N/A		N/A		

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.

** Analytical batch QC must be run on a sample associated with this SAF.
** All VOA samples will be collected using EPA Method 5035A.
** VOA sample bottle sets will include 3 bottles for high level analysis, 5 bottles for low level analysis, and 1 methanol process control sample.
** The laboratory is to use one of the low level VOA bottles for moisture content determination.
** VOA bottles will be labeled with an appended suffix of K, L, M, N, or P for low level and W, X, or Y for high level. These suffixes are for the purpose of providing bottle weights to the laboratories. These suffixes should not be include as part of the sample ID reported in the final data packages.
(1)VOA - 5035/8260 (LOW LEVEL); VOA - 5035/8260 (LOW LEVEL) - (Add-On) {Acetonitrile, Hexane, Tetrahydrofuran}
(2)VOA - 5035/8260 (HIGH LEVEL); VOA - 5035/8260 (HIGH LEVEL) - (Add-On) {Acetonitrile, Hexane, Tetrahydrofuran}

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-066-032 PAGE 1 OF 1

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 8N	DATA TURNAROUND
NCO Sampler DConnolly	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY ☐	45 Days / 45 Days
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**		
C6174, I-005	216-S-6 Crib Sampling - Soil		F08-066		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**	
	HNF-N-585-5 pg 27	29.2 - 31.7'	123210ES20	GOVERNMENT VEHICLE	
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**		
Waste Sampling & Characterization	N/A		N/A		

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

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 HANDLING AND/OR STORAGE
Radioactive tie to B1TFB3

PRESERVATION	Cool~4C
TYPE OF CONTAINER	aGs*
NO. OF CONTAINER(S)	1
VOLUME	40mL
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME	
B1TFD8 W086R01089	SOIL	4-17-8	0915	1

ICED

7/2/10

CHAIN OF POSSESSION — **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
DConnolly	4-17-8 1100	on site Ref	4-17-8 1100
Onsite Ref	4-28-08 1300	Chris Fulton	4-28-08 1300
Chris Fulton	4-28-08 1400	Victor Sims	4/28/08 1400

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.

** Analytical batch QC must be run on a sample associated with this SAF.
** All VOA samples will be collected using EPA Method 5035A.
(1)VOA - 5035/8260 (TCL); VOA - 5035/8260 - (Add-On) {Acetonitrile, Hexane, Tetrahydrofuran}

LABORATORY SECTION — RECEIVED BY — TITLE — DATE/TIME

FINAL SAMPLE DISPOSITION — DISPOSAL METHOD — DISPOSED BY — DATE/TIME

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-066-042 | PAGE 1 OF 2

COLLECTOR: NCO Sampler D Connolly

COMPANY CONTACT: TRENT, SJ | **TELEPHONE NO.:** 373-5869 | **PROJECT COORDINATOR:** WIDRIG, DL | **PRICE CODE:** 8N | **DATA TURNAROUND:** 45 Days / 45 Days

SAMPLING LOCATION: C6174, I-008 | **PROJECT DESIGNATION:** 216-S-6 Crib Sampling - Soil | **SAF NO.:** F08-066 | **AIR QUALITY:** ☐

ICE CHEST NO.: | **FIELD LOGBOOK NO.:** HNF-N-585-5 pg 29 | **ACTUAL SAMPLE DEPTH:** 82.6' - 85.1' | **COA:** 123210ES20 | **METHOD OF SHIPMENT:** GOVERNMENT VEHICLE

SHIPPED TO: Waste Sampling & Characterization | **OFFSITE PROPERTY NO.:** N/A | **BILL OF LADING/AIR BILL NO.:** N/A

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

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 HANDLING AND/OR STORAGE: Radioactive tie to B1TFB6

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME	PRESERVATION	TYPE OF CONTAINER	NO. OF CONTAINER(S)	VOLUME	SAMPLE ANALYSIS
B1TFF8 W086120 (080)	SOIL	4-22-8	1250	Cool~4C	G/P	1	120mL	SEE ITEM (1) IN SPECIAL INSTRUCTIONS
				Cool~4C	aG	1	120mL	SEE ITEM (2) IN SPECIAL INSTRUCTIONS
				Cool~4C	aG	1	120mL	SEE ITEM (3) IN SPECIAL INSTRUCTIONS
				Cool~4C	aG	1	120mL	PCBs - 8082;
				Cool~4C	G/P	1	120mL	SEE ITEM (4) IN SPECIAL INSTRUCTIONS
				Cool~4C	G/P	1	120mL	SEE ITEM (5) IN SPECIAL INSTRUCTIONS
				None	Square Bottle - Poly	1	500mL	SEE ITEM (6) IN SPECIAL INSTRUCTIONS

ICED

LOT# 024875 → 519616

CHAIN OF POSSESSION

SIGN/ PRINT NAMES	RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
	D Connolly	4-22-8 1330	on site Ref	4-22-8 1330
	on site Ref	4-28-08 1300	D. Parchen	4-28-08 1300
	D. Parchen	4-28-08 1400	Victor Jones	4/28/08 1400

SPECIAL INSTRUCTIONS

SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION RECEIVED BY | TITLE | DATE/TIME

FINAL SAMPLE DISPOSITION DISPOSAL METHOD | DISPOSED BY | DATE/TIME

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A-6003-618 (01/06)

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-066-042 PAGE 2 OF 2

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 8N	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	WIDRIG, DL		
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY** ☐	45 Days / 45 Days
C6174, I-008	216-S-6 Crib Sampling - Soil		F08-066		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**	
			123210ES20	GOVERNMENT VEHICLE	
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**		
Waste Sampling & Characterization	N/A		N/A		

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.

** Analytical batch QC must be run on a sample associated with this SAF.
(1)Conductivity - 9050 {Specific Conductance} pH (Soil) - 9045 {pH Measurement}
(2)Semi-VOA - 8270B (Add-On) {1,2,4-Trimethylbenzene, Tributyl phosphate}
(3)TPH-DieselKerosene Range - WTPH-D {Total petroleum hydrocarbons - diesel range, Total petroleum hydrocarbons - kerosene range}
(4)ICP/MS - 200.8 (TAL) {Barium, Cadmium, Chromium, Copper, Nickel, Silver, Zinc} ICP/MS - 200.8 (Add-on) {Arsenic, Beryllium, Lead, Selenium} 200.8_HG - ICPMS;
(5)IC Anions - 300.0 {Fluoride, Nitrogen in Nitrate, Nitrogen in Nitrite, Sulfate}
(6)Gamma Spectroscopy {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155, Radium-226} Gamma Spec - Add-on {Niobium-94, Radium-228} Isotopic Uranium; Neptunium-237; Strontium-89,90 -- Total Sr; Isotopic Plutonium; Americium-241 {Americium-241}

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-066-040 PAGE 1 OF 2

NCO Sampler: D Connolly

COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	DATA TURNAROUND
TRENT, SJ	373-5869	WIDRIG, DL	8N	
PROJECT DESIGNATION		SAF NO.	AIR QUALITY ☐	45 Days / 45 Days
216-S-6 Crib Sampling - Soil		F08-066		
SAMPLING LOCATION	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
C6174, I-008	HNE-N-585-5 pg 29	82.6'-85.1'	123210ES20	GOVERNMENT VEHICLE
ICE CHEST NO.	OFFSITE PROPERTY NO.		BILL OF LADING/AIR BILL NO.	
	N/A		N/A	
SHIPPED TO				
Waste Sampling & Characterization				

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

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 HANDLING AND/OR STORAGE
Radioactive tie to B1TF86

PRESERVATION	Cool <-7C and >-20C	MEOH/Cool-4 C
TYPE OF CONTAINER	aGs*	aGs*
NO. OF CONTAINER(S)	5	3
VOLUME	40mL	40mL
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1TFF6	W086RD108 SOIL	4-22-8	1210	✓	✓

ICED

Lot# 7312110 7312110

CHAIN OF POSSESSION

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
D Connolly	4-22-8 1330	on site Ref	4-22-8 1330
on site Ref	4-28-08 1300	D. Parch	4-28-08 1300
D. Parch	4-28-08 1400	Victor Sims	4/28/08 1400

SIGN/ PRINT NAMES

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION — RECEIVED BY — TITLE — DATE/TIME

FINAL SAMPLE DISPOSITION — DISPOSAL METHOD — DISPOSED BY — DATE/TIME

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY	☐	45 Days / 45 Days
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**			
C6174, I-008	216-S-6 Crib Sampling - Soil		F08-066			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			123210ES20	GOVERNMENT VEHICLE		
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**			
Waste Sampling & Characterization	N/A		N/A			

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.

** Analytical batch QC must be run on a sample associated with this SAF.
** All VOA samples will be collected using EPA Method 5035A.
** VOA sample bottle sets will include 3 bottles for high level analysis, 5 bottles for low level analysis, and 1 methanol process control sample.
** The laboratory is to use one of the low level VOA bottles for moisture content determination.
** VOA bottles will be labeled with an appended suffix of K, L, M, N, or P for low level and W, X, or Y for high level. These suffixes are for the purpose of providing bottle weights to the laboratories. These suffixes should not be include as part of the sample ID reported in the final data packages.
(1)VOA - 5035/8260 (LOW LEVEL); VOA - 5035/8260 (LOW LEVEL) - (Add-On) {Acetonitrile, Hexane, Tetrahydrofuran}
(2)VOA - 5035/8260 (HIGH LEVEL); VOA - 5035/8260 (HIGH LEVEL) - (Add-On) {Acetonitrile, Hexane, Tetrahydrofuran}

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-066-041 PAGE 1 OF 1

NCO Sampler: D Connolly

COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	DATA TURNAROUND
TRENT, SJ	373-5869	WIDRIG, DL	8N	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.	AIR QUALITY
C6174, I-008	216-S-6 Crib Sampling - Soil	F08-066	☐

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-585-5 pg 29	82.6' - 85.1'	123210ES20	GOVERNMENT VEHICLE

SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.
Waste Sampling & Characterization	N/A	N/A

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

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 HANDLING AND/OR STORAGE
Radioactive tie to B1TFB6

PRESERVATION	Cool~4C
TYPE OF CONTAINER	aGs*
NO. OF CONTAINER(S)	1
VOLUME	40mL
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME	
B1TFF7 W086RD1050	SOIL	4-22-8	1250	✓

ICED

Lot # 7312110

CHAIN OF POSSESSION / SIGN/ PRINT NAMES

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
D Connolly	4-22-8 1330	on site Ref	4-22-8 1330
On site Ref	4-28-08 1100	D. Parker	4-28-08 1100
D. Parker	4-28-08 1400	Victor Bias	4/28/08 1400

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.

** Analytical batch QC must be run on a sample associated with this SAF.** All VOA samples will be collected using EPA Method 5035A.
(1)VOA - 5035/8260 (TCL); VOA - 5035/8260 - (Add-On) {Acetonitrile, Hexane, Tetrahydrofuran}

LABORATORY SECTION — RECEIVED BY — TITLE — DATE/TIME

FINAL SAMPLE DISPOSITION — DISPOSAL METHOD — DISPOSED BY — DATE/TIME

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-066-045 PAGE 1 OF 2

NCO Sampler KAYSER, ROSANE, BATES

COMPANY CONTACT: TRENT, SJ | TELEPHONE NO.: 373-5869 | PROJECT COORDINATOR: WIDRIG, DL

PRICE CODE: 8N | DATA TURNAROUND: 45 Days / 45 Days

SAMPLING LOCATION: C6174, I-009

PROJECT DESIGNATION: 216-S-6 Crib Sampling - Soil | SAF NO.: F08-066

AIR QUALITY: ☐

ICE CHEST NO.:

FIELD LOGBOOK NO.: HNF-N-585-5 (N730) | ACTUAL SAMPLE DEPTH: 97.5' to 100' | COA: 123210ES20

METHOD OF SHIPMENT: GOVERNMENT VEHICLE

SHIPPED TO: Waste Sampling & Characterization

OFFSITE PROPERTY NO.: N/A

BILL OF LADING/AIR BILL NO.: N/A

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

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 HANDLING AND/OR STORAGE
Radioactive tie to B1TFB7

PRESERVATION	Cool~4C	Cool~4C	Cool~4C	Cool~4C	Cool~4C	Cool~4C	None	
TYPE OF CONTAINER	G/P	aG	aG	aG	G/P	G/P	Square Bottle - Poly	
NO. OF CONTAINER(S)	1	1	1	1	1	1	1	
VOLUME	120mL	120mL	120mL	120mL	120mL	120mL	500mL	
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS	SEE ITEM (3) IN SPECIAL INSTRUCTIONS	PCBs - 8082;	SEE ITEM (4) IN SPECIAL INSTRUCTIONS	SEE ITEM (5) IN SPECIAL INSTRUCTIONS	SEE ITEM (6) IN SPECIAL INSTRUCTIONS	

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME
B1TFH1 WAS6R201082	SOIL	4-23-08	08:20

ICED

LOT # 024875 583112

CHAIN OF POSSESSION

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Ed Kayser Edmund Kayser	4-23-08 0900	ON Site Ref	4-23-08 0900
on site ref #	4-28-08 1300	D. Paeche	4-28-08 1300
D. Paeche	4-28-08 1400	Victor Burns	4/28/08 1400

SIGN/ PRINT NAMES

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION — RECEIVED BY — TITLE — DATE/TIME

FINAL SAMPLE DISPOSITION — DISPOSAL METHOD — DISPOSED BY — DATE/TIME

A-6003-618/01/06)

	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler Rosane, Kraus, Bitler	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY	☐	45 Days / 45 Days
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**			
C6174, I-009	216-S-6 Crib Sampling - Soil		F08-066			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
	HNF-N-585-5 pg 10	97.5' to 100'	123210ES20	GOVERNMENT VEHICLE		
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**			
Waste Sampling & Characterization	N/A		N/A			

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.

** Analytical batch QC must be run on a sample associated with this SAF.
(1)Conductivity - 9050 {Specific Conductance} pH (Soil) - 9045 {pH Measurement}
(2)Semi-VOA - 8270B (Add-On) {1,2,4-Trimethylbenzene, Tributyl phosphate}
(3)TPH-DieselKerosene Range - WTPH-D {Total petroleum hydrocarbons - diesel range, Total petroleum hydrocarbons - kerosene range}
(4)ICP/MS - 200.8 (TAL) {Barium, Cadmium, Chromium, Copper, Nickel, Silver, Zinc} ICP/MS - 200.8 (Add-on) {Arsenic, Beryllium, Lead, Selenium} 200.8_HG - ICPMS;
(5)IC Anions - 300.0 {Fluoride, Nitrogen in Nitrate, Nitrogen in Nitrite, Sulfate}
(6)Gamma Spectroscopy {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155, Radium-226} Gamma Spec - Add-on {Niobium-94, Radium-228} Isotopic Uranium; Neptunium-237; Strontium-89,90 -- Total Sr; Isotopic Plutonium; Americium-241 {Americium-241}

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-066-043 | PAGE 1 OF 2

NCO Sampler: Kaun, Rosane, Bates

COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 8N	DATA TURNAROUND
TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY ☐	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
C6174, I-009	216-S-6 Crib Sampling - Soil	F08-066

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-585-5 Pg 30	97.5' to 100'	123210ES20	GOVERNMENT VEHICLE

SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.
Waste Sampling & Characterization	N/A	N/A

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

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 HANDLING AND/OR STORAGE
Radioactive tie to B1TFB7

PRESERVATION	Cool <-7C and >-20C	MEOH/Cool~4 C
TYPE OF CONTAINER	aGs*	aGs*
NO. OF CONTAINER(S)	5	3
VOLUME	40mL	40mL
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1TFF9 W086R01057	SOIL	04-23-08	0820	✓	✓

ICED

Lot# 7312110 | 7312110

CHAIN OF POSSESSION

RELINQUISHED BY/REMOVED FROM	DATE/TIME	SIGN/ PRINT NAMES: RECEIVED BY/STORED IN	DATE/TIME
Ed Kaun, Ed Kaun	4-23-08 0900	On Site Ref	4-23-08 0900
On site ref	4-28-08 1300	D. Parker	4-28-08 1300
D. Parker	4-28-08 1400	Victor Sims	4/28/08 1400

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION — RECEIVED BY — TITLE — DATE/TIME

FINAL SAMPLE DISPOSITION — DISPOSAL METHOD — DISPOSED BY — DATE/TIME

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-066-043 PAGE 2 OF 2

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 8N	DATA TURNAROUND
NCO Sampler KAUSE, ROSANE, BATES	TRENT, SJ	373-5869	WIDRIG, DL		
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY** ☐	45 Days / 45 Days
C6174, I-009	216-S-6 Crib Sampling - Soil		F08-066		
ICE CHEST NO.	**FIELD LOGBOOK NO.** pg 30	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**	
	HNF-N-585-5	97.5' to 100'	123210ES20	GOVERNMENT VEHICLE	
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**		
Waste Sampling & Characterization	N/A		N/A		

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.

** Analytical batch QC must be run on a sample associated with this SAF.
** All VOA samples will be collected using EPA Method 5035A.
** VOA sample bottle sets will include 3 bottles for high level analysis, 5 bottles for low level analysis, and 1 methanol process control sample.
** The laboratory is to use one of the low level VOA bottles for moisture content determination.
** VOA bottles will be labeled with an appended suffix of K, L, M, N, or P for low level and W, X, or Y for high level. These suffixes are for the purpose of providing bottle weights to the laboratories. These suffixes should not be include as part of the sample ID reported in the final data packages.
(1)VOA - 5035/8260 (LOW LEVEL); VOA - 5035/8260 (LOW LEVEL) - (Add-On) {Acetonitrile, Hexane, Tetrahydrofuran}
(2)VOA - 5035/8260 (HIGH LEVEL); VOA - 5035/8260 (HIGH LEVEL) - (Add-On) {Acetonitrile, Hexane, Tetrahydrofuran}

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-066-044 PAGE 1 OF 1

NCO Sampler KAUR, Rosine, BATES

COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR
TRENT, SJ	373-5869	WIDRIG, DL

PRICE CODE 8N — DATA TURNAROUND 45 Days / 45 Days

AIR QUALITY ☐

SAMPLING LOCATION: C6174, 1-009

PROJECT DESIGNATION: 216-S-6 Crib Sampling - Soil

SAF NO.: F08-066

ICE CHEST NO.:

FIELD LOGBOOK NO.: HNF-N-585-5 pg 30

ACTUAL SAMPLE DEPTH: 97.5' to 100'

COA: 123210ES20

METHOD OF SHIPMENT: GOVERNMENT VEHICLE

SHIPPED TO: Waste Sampling & Characterization

OFFSITE PROPERTY NO.: N/A

BILL OF LADING/AIR BILL NO.: N/A

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

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 HANDLING AND/OR STORAGE
Radioactive tie to B1TFB7

PRESERVATION	Cool~4C
TYPE OF CONTAINER	aGs*
NO. OF CONTAINER(S)	1
VOLUME	40mL
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME
B1TFH0 W0686201091	SOIL	04-23-08	08:20 ✓

ICED

Lot # 7312110

CHAIN OF POSSESSION

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Ed KAUR, [illegible]	4-23-08 09:00	ON Site Ref	4-23-08 09:00
ON Site Ref	4-28-08 1300	D. Parker	4-28-08
D. Parker	4-28-08 1700	Victor Sims	4/28/08 1700

SIGN/ PRINT NAMES

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.

** Analytical batch QC must be run on a sample associated with this SAF.
** All VOA samples will be collected using EPA Method 5035A.
(1)VOA - 5035/8260 (TCL); VOA - 5035/8260 - (Add-On) {Acetonitrile, Hexane, Tetrahydrofuran}

LABORATORY SECTION — RECEIVED BY — TITLE — DATE/TIME

FINAL SAMPLE DISPOSITION — DISPOSAL METHOD — DISPOSED BY — DATE/TIME

121 of 127

A-6003-618(01/06)

M4W41-SLF-08-643

ATTACHMENT 6

SAMPLE RECORD SHEET

Consisting of 6 pages
Including cover page

S-6 I-006 Depth 45.0 — 47.5

Sample: 1425

SAMPLE RECORD SHEET

Sample Number	Sample Suffix[1]	Empty Weight[2] (g)	Weight with Sample[3] (g)	Weight of Sample[4] (g)	Methanol Added (g)	Methanol Added (mL)	Weight of Methanol and Sample
B1TFF0	K	32.4	37.6	5.2	---	---	---
↓	L	31.7	37.0	5.3	---	---	---
	M	32.6	37.7	5.1	---	---	---
	N	31.9	37.4	5.5	---	---	---
↓	P	31.2	36.2	5.0	---	---	---
B1TFF1		30.8	30.8	0.0	4.0	5.0	34.8
B1TFF0	W	30.9	36.5	5.6	4.3	5.5	40.8
↓	X	30.8	36.8	6.0	4.7	6.0	41.5
↓	Y	30.6	34.9	4.3	3.6	4.6	38.5

[1]Sample suffix of L, K, M, N and P relate to low-level concentration samples and will not have any preservation beyond freezing between -7C and -20C.
Sample suffix of W, X, and Y relate to methanol preservation for high-level samples.

[2]Empty weight is to include all labels, stickers, bags, and anything else that will be associated with the bottle when it is weighed with the sample.
[3]Ensure that everything weighed for the empty bottle and no additional items (besides the sample) is weighed.
[4]Sample weight is the vial with sample minus the vial empty

SAMPLE RECORD SHEET

Sample Number	Sample Suffix[1]	Empty Weight[2] (g)	Weight with Sample[3] (g)	Weight of Sample[4] (g)	Methanol Added (g)	Methanol Added (mL)	Weight of Methanol and Sample
BITFF3	K	31.9	37.4	5.5	---	---	---
↓	L	32.1	37.6	5.3	---	---	---
	M	32.2	37.5	5.3	---	---	---
	N	32.8	38.1	5.3	---	---	---
↓	P	31.6	36.8	5.2	---	---	---
* BITFF4		31.2	—	31	3.9	5	35.1
BITFF3	W	30.1	35.4	5.3	3.8	5.0	39.2
↓	X	30.3	35.7	5.4	3.6	5.0	39.3
↓	Y	30.1	35.3	5.2	3.9	5.0	39.2

[1]Sample suffix of L, K, M, N and P relate to low-level concentration samples and will not have any preservation beyond freezing between -7C and -20C.
Sample suffix of W, X, and Y relate to methanol preservation for high-level samples.

[2]Empty weight is to include all labels, stickers, bags, and anything else that will be associated with the bottle when it is weighed with the sample.
[3]Ensure that everything weighed for the empty bottle and no additional items (besides the sample) is weighed.
[4]Sample weight is the vial with sample minus the vial empty

SAMPLE RECORD SHEET

Sample Number	Sample Suffix[1]	Empty Weight[2] (g)	Weight with Sample[3] (g)	Weight of Sample[4] (g)	Methanol Added (g)	Methanol Added (mL)	Weight of Methanol and Sample
B2TFF6	K	31.0	36.3	5.3	---	---	---
↓	L	32.0	37.0	5.0	---	---	---
↓	M	31.6	36.3	4.7	---	---	---
↓	N	31.2	36.0	4.8	---	---	---
↓	P	30.8	36.0	5.2	---	---	---
* B2TFF7		30.7	30.8			5.0	34.6
B1TFF6	W	30.8	35.6	4.8		5.0	39.4
↓	X	30.5	36.3	5.8		5.0	40.2
↓	Y	30.2	35.1	4.9		5.0	39.1

[1]Sample suffix of L, K, M, N and P relate to low-level concentration samples and will not have any preservation beyond freezing between -7C and -20C.
Sample suffix of W, X, and Y relate to methanol preservation for high-level samples.

[2]Empty weight is to include all labels, stickers, bags, and anything else that will be associated with the bottle when it is weighed with the sample.
[3]Ensure that everything weighed for the empty bottle and no additional items (besides the sample) is weighed.
[4]Sample weight is the vial with sample minus the vial empty

Interval #5 7/17/00

S-6 C6174 Sample Time 0915

SAMPLE RECORD SHEET

Sample Number	Sample Suffix[1]	Empty Weight[2] (g)	Weight with Sample[3] (g)	Weight of Sample[4] (g)	Methanol Added (g)	Methanol Added (mL)	Weight of Methanol and Sample
BITF07	K	31.7	36.5	4.8	---	---	---
↓	L	32.4	37.4	5.0	---	---	---
↓	M	31.7	36.6	4.9	---	---	---
↓	N	31.1	36.3	5.2	---	---	---
↓	P	32.2	37.4	5.2	---	---	---
BITF08		30.9	30.9	0.0	3.9	5.0	34.8
BITF07	W	30.8	35.9	5.1	4.0	5.0	39.9
↓	X	30.7	35.7	5.0	4.0	5.0	39.7
↓	Y	30.7	35.5	4.8	4.0	5.0	39.5

[1]Sample suffix of L, K, M, N and P relate to low-level concentration samples and will not have any preservation beyond freezing between -7C and -20C.
Sample suffix of W, X, and Y relate to methanol preservation for high-level samples.

[2]Empty weight is to include all labels, stickers, bags, and anything else that will be associated with the bottle when it is weighed with the sample.
[3]Ensure that everything weighed for the empty bottle and no additional items (besides the sample) is weighed.
[4]Sample weight is the vial with sample minus the vial empty

C-4174

SAMPLE RECORD SHEET

Sample Number	Sample Suffix[1]	Empty Weight[2] (g)	Weight with Sample[3] (g)	Weight of Sample[4] (g)	Methanol Added (g)	Methanol Added (mL)	Weight of Methanol and Sample	
B1TFF9	K	31.5	37.0	5.5	---	---	---	
	L	32.3	37.2	4.9	---	---	---	
	M	31.3	36.7	5.4	---	---	---	
	N	31.5	36.8	5.3	---	---	---	
↓	P	32.4	37.3	4.9	---	---	---	
* B1TFH0		30.5	30.5	0		5.0	34.5	
B1TFF9	W	30.4	35.7	5.3		5.0	~~40.7~~	39.4
	X	31.0	35.8	4.8		5.0	~~40.8~~	39.7
↓	Y	30.5	35.7	5.2		5.0	~~40.7~~	39.5
*								

AGR
4-23-08

[1]Sample suffix of L, K, M, N and P relate to low-level concentration samples and will not have any preservation beyond freezing between -7C and -20C.
Sample suffix of W, X, and Y relate to methanol preservation for high-level samples.

[2]Empty weight is to include all labels, stickers, bags, and anything else that will be associated with the bottle when it is weighed with the sample.
[3]Ensure that everything weighed for the empty bottle and no additional items (besides the sample) is weighed.
[4]Sample weight is the vial with sample minus the vial empty