

RECEIVED JULY 18, 2008

RECEIVED
JAN 27 2009

REV. 1

0080975

Fluor Hanford
WSCF Analytical Lab
P.O. Box 1000
Richland, WA 99352
Telephone 373-7495
Telefax 372-0456

EDMC

FLUOR

Memorandum

M4W41-SLF-08-714

To: H. Hampt E6-35 Date: July 18, 2008

From: S. L. Fitzgerald, Manager WSCF Analytical Lab *Mark Smith for SLF*

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: ADDITIONAL SAMPLE ANALYSES (6010) FOR SAMPLE DELIVERY GROUP WSCF20080543 SAF NUMBER F08-043

- Reference:
- (1) Memo, SL Fitzgerald to H Hampt, Final Results for SDG WSCF20080543 (M4W41-SLF-08-479), dated May 1, 2008
 - (2) Groundwater Protection Program-Letter of Instruction, FH-EIS-2003-MEM-001, October 31, 2002
 - (3) HNF-SD-CD-QAPP-017, Rev. 9, Waste Sampling & Characterization Facility Quality Assurance Plan

Compliant to your request for additional metals, Antimony, Cobalt, Manganese and Thallium data have been included in this submittal for sample delivery group WSCF20080543:

- Analytical Results (Replacement pages 17, 18, 22, 23 and 24 of 80)

If you have any questions, don't hesitate to call on Andy Kopriva, telephone 373-1613, for assistance.

SLF/grf

Attachments
As listed

REVISED
7-18-08

JK

M4W41-SLF-08-479

ATTACHMENT 1

COVER SHEET

Consisting of 2 pages
Including cover page

WSCF SAF NUMBER CROSS REFERENCE

Group#: WSCF20080543
Data Deliverable Date: 01-may-2008
Data Deliverable: Cover Sheet

SAF#	Sample ID	WSCF#	Matrix
F08-043	B1TDC2	W08GR00636	SOIL
	B1TDC4	W08GR00628	SOIL
	B1TDC5	W08GR00637	SOIL
	B1TDC7	W08GR00630	SOIL
	B1TDC8	W08GR00638	SOIL
	B1TDD0	W08GR00632	SOIL

M4W41-SLF-08-479

ATTACHMENT 2

NARRATIVE

Consisting of 4 pages
Including cover page

Introduction

Nine (9) S&GRP samples were received at the WSCF Laboratory on March 17, 2008. Six 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. Analysis of the high concentration VOAs and the associated Methanol Blanks (B1TDC3, B1TDC6 and B1TDC9) were not required.

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

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

Analytical Methodology for Requested Analyses

Refer to *WSCF Method References Report*, pages 14 through 16, for a complete listing of approved analytical methods.

Inorganic Comments

Anions – Holding 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 20 through 21 for QC details.

- Sample Duplicate, Matrix Spike and Matrix Spike Duplicate were analyzed on sample# B1TN41 (SDG# 20080591, SAF# F08-070).
- Sample results were D flagged if dilution(s) were required.
- Sample results that were less than the reportable limit, however greater than the method detection limit were B flagged.

All QC controls are within the established limits.

ICP-MS Metals – The hold time requirements for this analysis were met. A Matrix Spike, Matrix Spike Duplicate, Blank and Laboratory Control Sample were analyzed with this delivery group per the GRP Letter of Instruction. See pages 22 through 24 for QC details.

All QC controls are within the established limits.

Organic Comments

All organic results corrected for moisture and reported on a dry weight basis.

PCB – 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 38 through 39 for QC details. Analytical Note(s):

All QC controls are within the established limits.

Semi-VOA – 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 GPP Letter of Instruction. See pages 40 through 43 for QC details. Analytical Note(s):

- 2-Chlorophenol – Laboratory Control Sample recovery was less than established limits. No flags issued.

All other QC controls are within the established limits.

TPHD-WA – The hold time requirements for this analysis were met. A Matrix Spike, Matrix Spike Duplicate, Blank and Laboratory Control Sample were analyzed with this delivery group. See page 44 for QC details. Analytical Note(s):

All QC controls are within the established limits.

VOA – The holding time requirement for this analysis was not met. See comment below. 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 45 through 48 for QC details. Analytical Note(s):

- Hold Time missed - Samples were collected in the field on March 4 and delivered to the WSCF Laboratory on March 17, 2008. Samples were analyzed on March 19, 2008.
- Analysis of the high concentration VOAs and the associated Methanol Blanks (B1TDC3, B1TDC6 and B1TDC9) were not required.

All QC controls are within the established limits.

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 59 through 64 for QC details. Analytical Note(s):

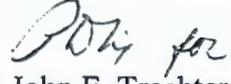
- Gamma Energy Analysis (Cesium-137) – Duplicate Relative Percent Difference (RPD) exceeded established laboratory limits due to low sample activity. No flags issued.
- Americium-241 – Duplicate RPD exceeded established laboratory limits due to low sample activity. No flags issued.

- Uranium-233/234 and 238 – Duplicate RPDs exceeded established laboratory limits due to low sample activity. 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


John E. Trechter
WSCF Client Services

M4W41-SLF-08-479

ATTACHMENT 3

ANALYTICAL RESULTS

Consisting of 58 pages
Including cover page

WSCF
ANALYTICAL RESULTS REPORT

for

Groundwater Remediation Program

Richland, WA 99354

Attention: Steve Trent

Analytical:

S. Fitzgerald 5/1/08

Client Services:

P.D. Mix 5/1/2008

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

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

Contract#: FH-EIS-2003-MEM-001
Report#: WSCF20080543
Report Date: 1-may-2008
Report WGPP/ver. 5.2
Groundwater Remediation Program

Department: Inorganic

W13q Worklist/Batch/QC Report for Group# WSCF20080543

WL#	S#	Batch	QC#	Tray Type	Sample#	Test
				SAMPLE	W08GR00628	Percent Solids
				SAMPLE	W08GR00630	Percent Solids
				SAMPLE	W08GR00632	Percent Solids
35736	1	36140	40437	BLANK		ICP-200.8 MS All possible meta
35736	2	36140	40437	LCS		ICP-200.8 MS All possible meta
35736	4	36140	40437	MS	W08GR00628	ICP-200.8 MS All possible meta
35736	5	36140	40437	MSD	W08GR00628	ICP-200.8 MS All possible meta
35736	3	36140	40437	SAMPLE	W08GR00628	ICP-200.8 MS All possible meta
35736	5	36140	40437	SPK-RPD	W08GR00628	ICP-200.8 MS All possible meta
35736	6	36140	40437	SAMPLE	W08GR00630	ICP-200.8 MS All possible meta
35736	7	36140	40437	SAMPLE	W08GR00632	ICP-200.8 MS All possible meta
35875	2	36280	40566	BLANK		Anions by Ion Chromatography
35875	17	36280	40566	BLANK		Anions by Ion Chromatography
35875	3	36280	40566	LCS		Anions by Ion Chromatography
35875	8	36280	40566	SAMPLE	W08GR00628	Anions by Ion Chromatography
35875	9	36280	40566	SAMPLE	W08GR00630	Anions by Ion Chromatography
35875	10	36280	40566	SAMPLE	W08GR00632	Anions by Ion Chromatography
35875	5	36280	40566	DUP	W08GR00694	Anions by Ion Chromatography
35875	6	36280	40566	MS	W08GR00694	Anions by Ion Chromatography
35875	7	36280	40566	MSD	W08GR00694	Anions by Ion Chromatography
35875	7	36280	40566	SPK-RPD	W08GR00694	Anions by Ion Chromatography

Department: Organic

W13q Worklist/Batch/QC Report for Group# WSCF20080543

WL#	S#	Batch	QC#	Tray	Type	Sample#	Test
			40340	BLANK			SW-846 8270C Semi-Vols
			40340	LCS			SW-846 8270C Semi-Vols
			40340	SAMPLE		W08GR00628	SW-846 8270C Semi-Vols
			40340	SURR		W08GR00628	SW-846 8270C Semi-Vols
			40340	SAMPLE		W08GR00630	SW-846 8270C Semi-Vols
			40340	SURR		W08GR00630	SW-846 8270C Semi-Vols
			40340	MS		W08GR00632	SW-846 8270C Semi-Vols
			40340	MSD		W08GR00632	SW-846 8270C Semi-Vols
			40340	SAMPLE		W08GR00632	SW-846 8270C Semi-Vols
			40340	SPK-RPD		W08GR00632	SW-846 8270C Semi-Vols
			40340	SURR		W08GR00632	SW-846 8270C Semi-Vols
			40412	BLANK			PCBs complete list
			40412	LCS			PCBs complete list
			40412	SAMPLE		W08GR00628	PCBs complete list
			40412	SURR		W08GR00628	PCBs complete list
			40412	SAMPLE		W08GR00630	PCBs complete list
			40412	SURR		W08GR00630	PCBs complete list
			40412	MS		W08GR00632	PCBs complete list
			40412	MSD		W08GR00632	PCBs complete list
			40412	SAMPLE		W08GR00632	PCBs complete list
			40412	SPK-RPD		W08GR00632	PCBs complete list
			40412	SURR		W08GR00632	PCBs complete list
			40413	BLANK			NWTPH-D TPH Diesel Range (Wa)
			40413	LCS			NWTPH-D TPH Diesel Range (Wa)
			40413	MS		W08GR00628	NWTPH-D TPH Diesel Range (Wa)
			40413	MSD		W08GR00628	NWTPH-D TPH Diesel Range (Wa)
			40413	SAMPLE		W08GR00628	NWTPH-D TPH Diesel Range (Wa)
			40413	SPK-RPD		W08GR00628	NWTPH-D TPH Diesel Range (Wa)
			40413	SURR		W08GR00628	NWTPH-D TPH Diesel Range (Wa)
			40413	SAMPLE		W08GR00630	NWTPH-D TPH Diesel Range (Wa)
			40413	SURR		W08GR00630	NWTPH-D TPH Diesel Range (Wa)
			40413	SAMPLE		W08GR00632	NWTPH-D TPH Diesel Range (Wa)
			40413	SURR		W08GR00632	NWTPH-D TPH Diesel Range (Wa)
			40850	BLANK			VOA Ground Water Protection
			40850	LCS			VOA Ground Water Protection
			40850	MS		W08GR00636	VOA Ground Water Protection
			40850	MSD		W08GR00636	VOA Ground Water Protection
			40850	SAMPLE		W08GR00636	VOA Ground Water Protection
			40850	SPK-RPD		W08GR00636	VOA Ground Water Protection
			40850	SURR		W08GR00636	VOA Ground Water Protection
			40850	SAMPLE		W08GR00637	VOA Ground Water Protection
			40850	SURR		W08GR00637	VOA Ground Water Protection
			40850	SAMPLE		W08GR00638	VOA Ground Water Protection
			40850	SURR		W08GR00638	VOA Ground Water Protection

W13q Worklist/Batch/QC Report for Group# WSCF20080543

WL#	S#	Batch	QC#	Tray Type	Sample#	Test
35652	1	36058	40374	BLANK		Strontium 89/90
35652	2	36058	40374	LCS		Strontium 89/90
35652	3	36058	40374	DUP	W08GR00628	Strontium 89/90
35652	4	36058	40374	SAMPLE	W08GR00628	Strontium 89/90
35652	5	36058	40374	SURR	W08GR00628	Strontium 89/90
35652	6	36058	40374	SAMPLE	W08GR00630	Strontium 89/90
35652	7	36058	40374	SURR	W08GR00630	Strontium 89/90
35652	8	36058	40374	SAMPLE	W08GR00632	Strontium 89/90
35652	9	36058	40374	SURR	W08GR00632	Strontium 89/90
35600	1	36006	40430	BLANK		Gamma Energy Analysis-grd H2O
35600	2	36006	40430	LCS		Gamma Energy Analysis-grd H2O
35600	3	36006	40430	DUP	W08GR00628	Gamma Energy Analysis-grd H2O
35600	4	36006	40430	SAMPLE	W08GR00628	Gamma Energy Analysis-grd H2O
35600	5	36006	40430	SAMPLE	W08GR00630	Gamma Energy Analysis-grd H2O
35600	6	36006	40430	SAMPLE	W08GR00632	Gamma Energy Analysis-grd H2O
35792	1	36198	40690	BLANK		Uranium Isotopics by AEA
35792	2	36198	40690	LCS		Uranium Isotopics by AEA
35792	3	36198	40690	DUP	W08GR00628	Uranium Isotopics by AEA
35792	4	36198	40690	SAMPLE	W08GR00628	Uranium Isotopics by AEA
35792	5	36198	40690	SURR	W08GR00628	Uranium Isotopics by AEA
35792	6	36198	40690	SAMPLE	W08GR00630	Uranium Isotopics by AEA
35792	7	36198	40690	SURR	W08GR00630	Uranium Isotopics by AEA
35792	8	36198	40690	SAMPLE	W08GR00632	Uranium Isotopics by AEA
35792	9	36198	40690	SURR	W08GR00632	Uranium Isotopics by AEA
35793	1	36199	40789	BLANK		Plutonium Isotopics by AEA
35793	2	36199	40789	LCS		Plutonium Isotopics by AEA
35793	3	36199	40789	DUP	W08GR00628	Plutonium Isotopics by AEA
35793	4	36199	40789	SAMPLE	W08GR00628	Plutonium Isotopics by AEA
35793	5	36199	40789	SURR	W08GR00628	Plutonium Isotopics by AEA
35793	6	36199	40789	SAMPLE	W08GR00630	Plutonium Isotopics by AEA
35793	7	36199	40789	SURR	W08GR00630	Plutonium Isotopics by AEA
35793	8	36199	40789	SAMPLE	W08GR00632	Plutonium Isotopics by AEA
35793	9	36199	40789	SURR	W08GR00632	Plutonium Isotopics by AEA
35795	1	36200	40790	BLANK		Americium by AEA
35795	2	36200	40790	LCS		Americium by AEA
35795	3	36200	40790	DUP	W08GR00628	Americium by AEA
35795	4	36200	40790	SAMPLE	W08GR00628	Americium by AEA
35795	5	36200	40790	SURR	W08GR00628	Americium by AEA
35795	6	36200	40790	SAMPLE	W08GR00630	Americium by AEA
35795	7	36200	40790	SURR	W08GR00630	Americium by AEA
35795	8	36200	40790	SAMPLE	W08GR00632	Americium by AEA
35795	9	36200	40790	SURR	W08GR00632	Americium by AEA
36117	1	36533	40864	BLANK		Neptunium by AEA
36117	2	36533	40864	LCS		Neptunium by AEA
36117	3	36533	40864	DUP	W08GR00628	Neptunium by AEA
36117	5	36533	40864	MS	W08GR00628	Neptunium by AEA
36117	6	36533	40864	MSD	W08GR00628	Neptunium by AEA

36117	4	36533	40864	SAMPLE	W08GR00628	Neptunium by AEA
36117	6	36533	40864	SPK-RPD	W08GR00628	Neptunium by AEA
36117	8	36533	40864	MS	W08GR00630	Neptunium by AEA
36117	7	36533	40864	SAMPLE	W08GR00630	Neptunium by AEA
36117	10	36533	40864	MS	W08GR00632	Neptunium by AEA
36117	9	36533	40864	SAMPLE	W08GR00632	Neptunium 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-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 Residual, 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>.

Report Date: 1-may-2008

Report #: WSCF20080543

Report WGPPM/5.2

Page 3

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 Organic 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>.

Report Date: 1-may-2008

Report#: WSCF20080543

Report WGPPM/5.2

Page 1

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 Americium 241/243 HEIS SRTOT_SEP_PRECIP_GPC Plutonium 89/90
LA-508-471	LA-508-471: ALPHA ENERGY ANALYZER DATA ACQUISITION AND SYSTEM CHECKOUT USING ALP HEIS PUIISO_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: F08-043
 Sample # W08GR00628
 Client ID: B1TDC4

GPP TRENT
 WSCF

Matrix: SOIL

Group #: WSCF20080543
 Department: Inorganic
 Sampled: 03/04/08
 Received: 03/17/08

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
Anions by Ion Chromatography Prep											
Anions by Ion Chromatography											
Fluoride	18984-48-8	LA-533-410	DU	< 0.300	mg/kg			50.00	0.30		04/07/08
Chloride	18887-00-6	LA-533-410	BD	2.73	mg/kg			50.00	0.030		04/07/08
Nitrogen in Nitrite	NO2-N	LA-533-410	DU	< 0.500	mg/kg			50.00	0.50		04/07/08
Nitrogen in Nitrate	NO3-N	LA-533-410	D	13.7	mg/kg			50.00	0.25		04/07/08
Sulfate	14808-79-8	LA-533-410	BD	15.1	mg/kg			50.00	3.5		04/07/08
ICP-200.8 MS All possible meta Prep											
ICP-200.8 MS All possible meta											
Manganese	7439-96-5	LA-505-412		273	mg/kg			1.00	0.100		03/27/08
Nickel	7440-02-0	LA-505-412		7.06	mg/kg			1.00	0.199		03/27/08
Silver	7440-22-4	LA-505-412	U	< 0.0997	mg/kg			1.00	0.0997		03/27/08
Antimony	7440-36-0	LA-505-412	U	< 0.300	mg/kg			1.00	0.300		03/27/08
Barium	7440-39-3	LA-505-412		68.0	mg/kg			1.00	0.199		03/27/08
Beryllium	7440-41-7	LA-505-412		0.210	mg/kg			1.00	0.0498		03/27/08
Cadmium	7440-43-9	LA-505-412	U	< 0.0997	mg/kg			1.00	0.0997		03/27/08
Chromium	7440-47-3	LA-505-412		5.15	mg/kg			1.00	0.498		03/27/08
Cobalt	7440-48-4	LA-505-412		7.33	mg/kg			1.00	0.0500		03/27/08
Copper	7440-50-8	LA-505-412		13.6	mg/kg			1.00	0.0997		03/27/08
Zinc	7440-66-6	LA-505-412		37.4	mg/kg			1.00	0.797		03/27/08
Lead	7439-92-1	LA-505-412		3.70	mg/kg			1.00	0.0997		03/27/08
Mercury	7439-97-6	LA-505-412	U	< 0.0498	mg/kg			1.00	0.0498		03/27/08
Arsenic	7440-38-2	LA-505-412		4.70	mg/kg			1.00	0.399		03/27/08
Selenium	7782-49-2	LA-505-412	U	< 0.299	mg/kg			1.00	0.299		03/27/08
Thallium	7440-28-0	LA-505-412	U	< 0.100	mg/kg			1.00	0.100		03/27/08

POLY P.D.M.F. 7/17/2008

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

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

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

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

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

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

Report WGPP/ver. 5.2
 Groundwater Remediation Program

REVISED
7-18-08

WSCF ANALYTICAL RESULTS REPORT

Attention: Steve Trent
SAF Number: F08-043
Sample # W08GR00630
Client ID: B1TDC7

GPP TRENT
WSCF

Matrix: SOIL

Group #: WSCF20080543
Department: Inorganic
Sampled: 03/05/08
Received: 03/17/08

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
Anions by Ion Chromatography Prep											
Anions by Ion Chromatography											
Fluoride	16984-48-8	LA-533-410	DU	< 0.294	mg/kg			49.00	0.29		04/07/08
Chloride	16887-00-6	LA-533-410	BD	6.15	mg/kg			49.00	0.030		04/07/08
Nitrogen in Nitrite	NO2-N	LA-533-410	DU	< 0.490	mg/kg			49.00	0.49		04/07/08
Nitrogen in Nitrate	NO3-N	LA-533-410	D	17.4	mg/kg			49.00	0.24		04/07/08
Sulfate	14808-79-8	LA-533-410	BD	32.6	mg/kg			49.00	3.4		04/07/08
ICP-200.8 MS All possible meta Prep											
ICP-200.8 MS All possible meta											
Manganese	7439-96-5	LA-505-412		348	mg/kg			0.98	0.100		03/27/08
Nickel	7440-02-0	LA-505-412		9.93	mg/kg			0.98	0.196		03/27/08
Silver	7440-22-4	LA-505-412	U	< 0.0979	mg/kg			0.98	0.0979		03/27/08
Antimony	7440-36-0	LA-505-412	U	< 0.294	mg/kg			0.98	0.294		03/27/08
Barium	7440-39-3	LA-505-412		77.6	mg/kg			0.98	0.196		03/27/08
Beryllium	7440-41-7	LA-505-412		0.260	mg/kg			0.98	0.0489		03/27/08
Cadmium	7440-43-9	LA-505-412		0.100	mg/kg			0.98	0.0979		03/27/08
Chromium	7440-47-3	LA-505-412		8.11	mg/kg			0.98	0.489		03/27/08
Cobalt	7440-48-4	LA-505-412		8.46	mg/kg			0.98	0.0500		03/27/08
Copper	7440-50-8	LA-505-412		17.3	mg/kg			0.98	0.0979		03/27/08
Zinc	7440-66-6	LA-505-412		42.9	mg/kg			0.98	0.783		03/27/08
Lead	7439-92-1	LA-505-412		5.85	mg/kg			0.98	0.0979		03/27/08
Mercury	7439-97-6	LA-505-412		0.0500	mg/kg			0.98	0.0489		03/27/08
Arsenic	7440-38-2	LA-505-412		8.03	mg/kg			0.98	0.391		03/27/08
Selenium	7782-49-2	LA-505-412		0.380	mg/kg			0.98	0.294		03/27/08
Thallium	7440-28-0	LA-505-412		1.08	mg/kg			0.98	0.0980		03/27/08

POL; P.O. Mix 7/17/2008

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)

D - Analyte was identified at a secondary dilution factor.(inorg)
 U - Analyzed for but not detected above limiting criteria.(org)

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

Report WGPP/ver. 5.2
 Groundwater Remediation Program

REVISED
 7-18-08

WSCF

ANALYTICAL RESULTS REPORT

Attention: Steve Trent
SAF Number: F08-043
Sample # W08GR00632
Client ID: B1TDD0

GPP TRENT
WSCF

Matrix: SOIL

Group #: WSCF20080543
Department: Inorganic
Sampled: 03/05/08
Received: 03/17/08

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
Anions by Ion Chromatography Prep											04/07/08
Anions by Ion Chromatography											
Fluoride	16984-48-8	LA-533-410	DU	< 0.300	mg/kg			50.00	0.30		04/07/08
Nitrogen in Nitrite	NO2-N	LA-533-410	DU	< 0.500	mg/kg			50.00	0.50		04/07/08
Nitrogen in Nitrate	NO3-N	LA-533-410	D	9.38	mg/kg			50.00	0.25		04/07/08
Sulfate	14808-79-8	LA-533-410	BD	21.3	mg/kg			50.00	3.5		04/07/08
ICP-200.8 MS All possible meta Prep											03/27/08
ICP-200.8 MS All possible meta											
Nickel	7440-02-0	LA-505-412		9.43	mg/kg			0.97	0.194		03/27/08
Silver	7440-22-4	LA-505-412	U	< 0.0970	mg/kg			0.97	0.0971		03/27/08
Barium	7440-39-3	LA-505-412		87.7	mg/kg			0.97	0.194		03/27/08
Beryllium	7440-41-7	LA-505-412		0.260	mg/kg			0.97	0.0485		03/27/08
Cadmium	7440-43-9	LA-505-412	U	< 0.0970	mg/kg			0.97	0.0971		03/27/08
Chromium	7440-47-3	LA-505-412		6.99	mg/kg			0.97	0.485		03/27/08
Copper	7440-50-8	LA-505-412		14.2	mg/kg			0.97	0.0971		03/27/08
Zinc	7440-66-6	LA-505-412		43.8	mg/kg			0.97	0.776		03/27/08
Lead	7439-92-1	LA-505-412		4.94	mg/kg			0.97	0.0971		03/27/08
Mercury	7439-97-6	LA-505-412	U	< 0.0485	mg/kg			0.97	0.0485		03/27/08
Arsenic	7440-38-2	LA-505-412		8.67	mg/kg			0.97	0.388		03/27/08
Selenium	7782-49-2	LA-505-412		0.340	mg/kg			0.97	0.291		03/27/08
Total solids											
Total solids	TS	LA-519-412		91.7	Percent			1.00	0.0		03/18/08

MDL = Minimum Detection Limit

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

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

RQ = Result Qualifier

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

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

TP Err = Total Propagated Error

DF = Dilution Factor

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

Report WGPP/ver. 5.2

Groundwater Remediation Program

WSCF ANALYTICAL LABORATORY QC REPORT

Department: Inorganic

SDG Number: WSCF20080543
 Matrix: SOLID
 Test: Anions by Ion Chromatography

Sample Date: 03/19/08
 Receive Date: 03/20/08

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Lower Limit	Upper Limit	RPD(%)	RPD Limit	RQ	Analysis Date
Lab ID: W08GR00694											
BATCH QC ASSOCIATED WITH SAMPLE											
DUP	Fluoride	16984-48-8	<0.3		RPD			n/a	20.000	U	04/07/08
DUP	Nitrogen in Nitrite	NO2-N	<0.5		RPD			n/a	20.000	U	04/07/08
DUP	Nitrogen in Nitrate	NO3-N	3.388		RPD			15.779	20.000		04/07/08
DUP	Sulfate	14808-79-8	14.0456		RPD			17.102	20.000		04/07/08
MS	Fluoride	16984-48-8	0.483634	97.115	% Recov	75.000	125.000				04/07/08
MS	Nitrogen in Nitrite	NO2-N	0.485538	97.694	% Recov	75.000	125.000				04/07/08
MS	Nitrogen in Nitrate	NO3-N	0.453794	100.843	% Recov	75.000	125.000				04/07/08
MS	Sulfate	14808-79-8	1.925564	97.251	% Recov	75.000	125.000				04/07/08
MSD	Fluoride	16984-48-8	0.479034	96.192	% Recov	75.000	125.000				04/07/08
MSD	Nitrogen in Nitrite	NO2-N	0.470814	94.731	% Recov	75.000	125.000				04/07/08
MSD	Nitrogen in Nitrate	NO3-N	0.449032	99.785	% Recov	75.000	125.000				04/07/08
MSD	Sulfate	14808-79-8	1.912654	96.599	% Recov	75.000	125.000				04/07/08
SPK-RPD	Fluoride	16984-48-8	96.192		RPD			0.955	20.000		04/07/08
SPK-RPD	Nitrogen in Nitrite	NO2-N	94.731		RPD			3.080	20.000		04/07/08
SPK-RPD	Nitrogen in Nitrate	NO3-N	99.785		RPD			1.055	20.000		04/07/08
SPK-RPD	Sulfate	14808-79-8	96.599		RPD			0.673	20.000		04/07/08
BATCH QC											
BLANK	Fluoride	16984-48-8	<6e-3	n/a	mg/L	0.000	0.030			U	04/07/08
BLANK	Fluoride	16984-48-8	<6e-3	n/a	mg/L	0.000	0.030			U	04/07/08
BLANK	Nitrogen in Nitrite	NO2-N	<1e-2	n/a	mg/L	0.000	0.020			U	04/07/08
BLANK	Nitrogen in Nitrite	NO2-N	<1e-2	n/a	mg/L	0.000	0.020			U	04/07/08
BLANK	Nitrogen in Nitrate	NO3-N	<5e-3	n/a	mg/L	0.000	0.040			U	04/07/08
BLANK	Nitrogen in Nitrate	NO3-N	<5e-3	n/a	mg/L	0.000	0.040			U	04/07/08
BLANK	Sulfate	14808-79-8	<7e-2	n/a	mg/L	0.000	0.200			U	04/07/08
BLANK	Sulfate	14808-79-8	<7e-2	n/a	mg/L	0.000	0.200			U	04/07/08

WSCF ANALYTICAL LABORATORY QC REPORT

Department: Inorganic

SDG Number: WSCF20080543
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	104.9652	105.387	% Recov	80.000	120.000				04/07/08
LCS	Nitrogen in Nitrite	NO2-N	99.9855	100.589	% Recov	80.000	120.000				04/07/08
LCS	Nitrogen in Nitrate	NO3-N	92.3455	102.492	% Recov	80.000	120.000				04/07/08
LCS	Sulfate	14808-79-8	388.7195	98.161	% Recov	80.000	120.000				04/07/08

WSCF ANALYTICAL LABORATORY QC REPORT

Department: Inorganic

SDG Number: WSCF20080543
 Matrix: SOLID
 Test: ICP-200.8 MS All possible meta

Sample Date: 03/04/08
 Receive Date: 03/17/08

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Lower Limit	Upper Limit	RPD(%)	RPD Limit	RQ	Analysis Date
Lab ID: W08GR00628 BATCH QC ASSOCIATED WITH SAMPLE											
MS	Silver	7440-22-4	187	93.500	% Recov	70.000	130.000				03/27/08
MS	Arsenic	7440-38-2	187.5	93.750	% Recov	70.000	130.000				03/27/08
MS	Barium	7440-39-3	199.25	99.625	% Recov	70.000	130.000				03/27/08
MS	Beryllium	7440-41-7	174.19	87.095	% Recov	70.000	130.000				03/27/08
MS	Cadmium	7440-43-9	197.4	98.700	% Recov	70.000	130.000				03/27/08
MS	Cobalt	7440-48-4	189	94.500	% Recov	70.000	130.000				03/27/08
MS	Chromium	7440-47-3	193.85	96.925	% Recov	70.000	130.000				03/27/08
MS	Copper	7440-50-8	187.95	93.975	% Recov	70.000	130.000				03/27/08
MS	Mercury	7439-97-6	2.12	106.000	% Recov	70.000	130.000				03/27/08
MS	Manganese	7439-96-5	211	105.500	% Recov	70.000	130.000				03/27/08
MS	Nickel	7440-02-0	192.94	96.470	% Recov	70.000	130.000				03/27/08
MS	Lead	7439-92-1	193.4	96.700	% Recov	70.000	130.000				03/27/08
MS	Antimony	7440-36-0	196	98.000	% Recov	70.000	130.000				03/27/08
MS	Selenium	7782-49-2	197	98.500	% Recov	70.000	130.000				03/27/08
MS	Thallium	7440-28-0	182	91.000	% Recov	70.000	130.000				03/27/08
MS	Zinc	7440-66-6	201.65	100.825	% Recov	70.000	130.000				03/27/08
MSD	Silver	7440-22-4	184.2	92.100	% Recov	70.000	130.000				03/27/08
MSD	Arsenic	7440-38-2	187.7	93.850	% Recov	70.000	130.000				03/27/08
MSD	Barium	7440-39-3	192.55	96.275	% Recov	70.000	130.000				03/27/08
MSD	Beryllium	7440-41-7	173.99	86.995	% Recov	70.000	130.000				03/27/08
MSD	Cadmium	7440-43-9	198.9	99.450	% Recov	70.000	130.000				03/27/08
MSD	Cobalt	7440-48-4	188	94.000	% Recov	70.000	130.000				03/27/08
MSD	Chromium	7440-47-3	194.55	97.275	% Recov	70.000	130.000				03/27/08
MSD	Copper	7440-50-8	186.25	93.125	% Recov	70.000	130.000				03/27/08
MSD	Mercury	7439-97-6	2	100.000	% Recov	70.000	130.000				03/27/08
MSD	Manganese	7439-96-5	203	101.500	% Recov	70.000	130.000				03/27/08

REVISED
7-18-08

WSCF ANALYTICAL LABORATORY QC REPORT

Department: Inorganic

SDG Number: WSCF20080543
 Matrix: SOLID
 Test: ICP-200.8 MS All possible meta

Sample Date: 03/04/08
 Receive Date: 03/17/08

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Lower Limit	Upper Limit	RPD(%)	RPD Limit	RQ	Analysis Date
MSD	Nickel	7440-02-0	190.94	95.470	% Recov	70.000	130.000				03/27/08
MSD	Lead	7439-92-1	192.1	96.050	% Recov	70.000	130.000				03/27/08
MSD	Antimony	7440-38-0	192	96.000	% Recov	75.000	125.000				03/27/08
MSD	Selenium	7782-49-2	194.8	97.400	% Recov	70.000	130.000				03/27/08
MSD	Thallium	7440-28-0	182	91.000	% Recov	70.000	130.000				03/27/08
MSD	Zinc	7440-68-6	191.45	95.725	% Recov	70.000	130.000				03/27/08
SPK-RPD	Silver	7440-22-4	92.100		RPD			1.509	20.000		03/27/08
SPK-RPD	Arsenic	7440-38-2	93.850		RPD			0.107	20.000		03/27/08
SPK-RPD	Barium	7440-39-3	96.275		RPD			3.420	20.000		03/27/08
SPK-RPD	Beryllium	7440-41-7	86.995		RPD			0.115	20.000		03/27/08
SPK-RPD	Cadmium	7440-43-9	99.450		RPD			0.757	20.000		03/27/08
SPK-RPD	Cobalt	7440-48-4	94.000		RPD			0.531	20.000		03/27/08
SPK-RPD	Chromium	7440-47-3	97.275		RPD			0.360	20.000		03/27/08
SPK-RPD	Copper	7440-50-8	93.125		RPD			0.909	20.000		03/27/08
SPK-RPD	Mercury	7439-97-6	100.000		RPD			5.825	20.000		03/27/08
SPK-RPD	Manganese	7439-96-5	101.500		RPD			3.865	20.000		03/27/08
SPK-RPD	Nickel	7440-02-0	95.470		RPD			1.042	20.000		03/27/08
SPK-RPD	Lead	7439-92-1	98.050		RPD			0.674	20.000		03/27/08
SPK-RPD	Antimony	7440-38-0	98.0		RPD			4.147	20.000		03/27/08
SPK-RPD	Selenium	7782-49-2	97.400		RPD			1.123	20.000		03/27/08
SPK-RPD	Thallium	7440-28-0	91.000		RPD			0.000	20.000		03/27/08
SPK-RPD	Zinc	7440-68-6	95.725		RPD			5.190	20.000		03/27/08
BATCH QC											
BLANK	Silver	7440-22-4	<0.1	n/a	ug/L					U	03/27/08
BLANK	Arsenic	7440-38-2	<0.4	n/a	ug/L					U	03/27/08
BLANK	Barium	7440-39-3	<0.2	n/a	ug/L					U	03/27/08
BLANK	Beryllium	7440-41-7	<5e-2	n/a	ug/L					U	03/27/08
BLANK	Cadmium	7440-43-9	<0.1	n/a	ug/L					U	03/27/08
BLANK	Cobalt	7440-48-4	<5e-2	n/a	ug/L					U	03/27/08

REVISED
7-18-08

WSCF ANALYTICAL LABORATORY QC REPORT

Department: Inorganic

SDG Number: WSCF20080543
 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	Chromium	7440-47-3	<0.5	n/a	ug/L					U	03/27/08
BLANK	Copper	7440-50-8	<0.1	n/a	ug/L					U	03/27/08
BLANK	Mercury	7439-97-6	<5e-2	n/a	ug/L					U	03/27/08
BLANK	Manganese	7439-96-5	<0.1	n/a	ug/L					U	03/27/08
BLANK	Nickel	7440-02-0	<0.2	n/a	ug/L					U	03/27/08
BLANK	Lead	7439-92-1	<0.1	n/a	ug/L					U	03/27/08
BLANK	Antimony	7440-36-0	<0.3	n/a	ug/L					U	03/27/08
BLANK	Selenium	7782-49-2	<0.3	n/a	ug/L					U	03/27/08
BLANK	Thallium	7440-28-0	<0.1	n/a	ug/L					U	03/27/08
BLANK	Zinc	7440-66-6	<0.8	n/a	ug/L					U	03/27/08
LCS	Silver	7440-22-4	106.9	105.842	% Recov	98.000	134.000				03/27/08
LCS	Arsenic	7440-38-2	136.4	103.333	% Recov	75.000	134.000				03/27/08
LCS	Barium	7440-39-3	320.4	100.439	% Recov	87.000	121.000				03/27/08
LCS	Beryllium	7440-41-7	84.38	94.279	% Recov	70.000	153.000				03/27/08
LCS	Cadmium	7440-43-9	74.93	112.677	% Recov	95.000	124.000				03/27/08
LCS	Cobalt	7440-48-4	78.57	107.483	% Recov	88.000	119.000				03/27/08
LCS	Chromium	7440-47-3	73.15	100.343	% Recov	77.000	125.000				03/27/08
LCS	Copper	7440-50-8	71.79	104.803	% Recov	84.000	122.000				03/27/08
LCS	Mercury	7439-97-6	7.72	93.237	% Recov	71.000	132.000				03/27/08
LCS	Manganese	7439-96-5	470.4	103.841	% Recov	83.000	118.000				03/27/08
LCS	Nickel	7440-02-0	60.19	108.255	% Recov	90.000	121.000				03/27/08
LCS	Lead	7439-92-1	135.2	104.000	% Recov	92.000	123.000				03/27/08
LCS	Antimony	7440-36-0	131.1	145.344	% Recov	114.000	260.000				03/27/08
LCS	Selenium	7782-49-2	181	112.422	% Recov	52.000	157.000				03/27/08
LCS	Thallium	7440-28-0	134	100.752	% Recov	92.000	123.000				03/27/08
LCS	Zinc	7440-66-6	209.5	118.362	% Recov	85.000	130.000				03/27/08

REVISED
 7-18-08

WSCF

ANALYTICAL RESULTS REPORT

Attention: Steve Trent
SAF Number: F08-043
Sample # W08GR00628
Client ID: B1TDC4

GPP TRENT
WSCF

Matrix: SOIL

Group #: WSCF20080543
Department: Organic
Sampled: 03/04/08
Received: 03/17/08

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
NWTPH-D TPH Diesel Range (Wa) Prep											
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		03/25/08
Kerosene	TPHKEROSENE	LA-523-493	U	< 3.10e+03	ug/kg			1.00	3.1e+03		03/25/08
PCBs complete list Prep											
PCBs complete list											
Aroclor-1016	12674-11-2	LA-523-427	U	< 10.0	ug/kg			1.00	10		03/25/08
Aroclor-1221	11104-28-2	LA-523-427	U	< 21.0	ug/kg			1.00	21		03/25/08
Aroclor-1232	11141-16-5	LA-523-427	U	< 10.0	ug/kg			1.00	10		03/25/08
Aroclor-1242	53469-21-9	LA-523-427	U	< 10.0	ug/kg			1.00	10		03/25/08
Aroclor-1248	12672-29-6	LA-523-427	U	< 10.0	ug/kg			1.00	10		03/25/08
Aroclor-1254	11097-69-1	LA-523-427	U	< 10.0	ug/kg			1.00	10		03/25/08
Aroclor-1260	11096-82-5	LA-523-427	U	< 10.0	ug/kg			1.00	10		03/25/08
Aroclor-1262	37324-23-5	LA-523-427	U	< 10.0	ug/kg			1.00	10		03/25/08
Aroclor-1268	11100-14-4	LA-523-427	U	< 10.0	ug/kg			1.00	10		03/25/08
SW-846 8270C Semi-Vols Prep											
SW-846 8270C Semi-Vols											
4-Nitrophenol	100-02-7	LA-523-456	U	< 210	ug/kg			1.00	2.1e+02		03/20/08
1,4-Dichlorobenzene	106-46-7	LA-523-456	U	< 250	ug/kg			1.00	2.5e+02		03/20/08
Phenol	108-95-2	LA-523-456	U	< 150	ug/kg			1.00	1.5e+02		03/20/08
1,2,4-Trichlorobenzene	120-82-1	LA-523-456	U	< 150	ug/kg			1.00	1.5e+02		03/20/08
2,4-Dinitrotoluene	121-14-2	LA-523-456	U	< 150	ug/kg			1.00	1.5e+02		03/20/08
Pyrene	129-00-0	LA-523-456	U	< 150	ug/kg			1.00	1.5e+02		03/20/08
4-Chloro-3-methylphenol	59-50-7	LA-523-456	U	< 150	ug/kg			1.00	1.5e+02		03/20/08
N-Nitrosodi-n-dipropylamine	621-64-7	LA-523-456	U	< 150	ug/kg			1.00	1.5e+02		03/20/08

MDL = Minimum Detection Limit

RQ = Result Qualifier

TP Err = Total Propagated Error

DF = Dilution Factor

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

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

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

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

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

Report WGPP/ver. 5.2

Groundwater Remediation Program

WSCF ANALYTICAL RESULTS REPORT

Attention: Steve Trent
SAF Number: F08-043
Sample # W08GR00628
Client ID: BITDC4

GPP **TRENT**
WSCF

Matrix: SOIL

Group #: WSCF20080543
Department: Organic
Sampled: 03/04/08
Received: 03/17/08

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		03/20/08
Pentachlorophenol	87-86-5	LA-523-456	U	< 210	ug/kg			1.00	2.1e+02		03/20/08
2-Chlorophenol	95-57-8	LA-523-456	U	< 150	ug/kg			1.00	1.5e+02		03/20/08
Tributyl phosphate	126-73-8	LA-523-456	U	< 150	ug/kg			1.00	1.5e+02		03/20/08
1,2,4-Trimethylbenzene	95-63-6	LA-523-456	U	< 190	ug/kg			1.00	1.9e+02		03/20/08

MDL=Minimum Detection Limit

RQ=Result Qualifier

TP Err=Total Propagated Error

DF=Dilution Factor

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

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

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

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

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

Report WGPP/ver. 5.2

Groundwater Remediation Program

WSCF

ANALYTICAL RESULTS REPORT

Attention: Steve Trent
SAF Number: F08-043
Sample # W08GR00630
Client ID: BITDC7 GPP TRENT
WSCF

Group #: WSCF20080543
Department: Organic
Sampled: 03/05/08
Received: 03/17/08

Matrix: SOIL

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
NWTPH-D TPH Diesel Range (Wa) Prep											
NWTPH-D TPH Diesel Range (Wa)											
Total Pet. Hydrocarbons Diesel	TPHDIESEL	LA-523-493	U	< 3.30e+03	ug/kg			1.00	3.3e+03		03/25/08
Kerosene	TPHKEROSENE	LA-523-493	U	< 3.30e+03	ug/kg			1.00	3.3e+03		03/25/08
PCBs complete list Prep											
PCBs complete list											
Aroclor-1016	12674-11-2	LA-523-427	U	< 11.0	ug/kg			1.00	11		03/25/08
Aroclor-1221	11104-28-2	LA-523-427	U	< 22.0	ug/kg			1.00	22		03/25/08
Aroclor-1232	11141-16-5	LA-523-427	U	< 11.0	ug/kg			1.00	11		03/25/08
Aroclor-1242	53469-21-9	LA-523-427	U	< 11.0	ug/kg			1.00	11		03/25/08
Aroclor-1248	12672-29-6	LA-523-427	U	< 11.0	ug/kg			1.00	11		03/25/08
Aroclor-1254	11097-69-1	LA-523-427	U	< 11.0	ug/kg			1.00	11		03/25/08
Aroclor-1260	11096-82-5	LA-523-427	U	< 11.0	ug/kg			1.00	11		03/25/08
Aroclor-1262	37324-23-5	LA-523-427	U	< 11.0	ug/kg			1.00	11		03/25/08
Aroclor-1268	11100-14-4	LA-523-427	U	< 11.0	ug/kg			1.00	11		03/25/08
SW-846 8270C Semi-Vols Prep											
SW-846 8270C Semi-Vols											
4-Nitrophenol	100-02-7	LA-523-456	U	< 220	ug/kg			1.00	2.2e+02		03/20/08
1,4-Dichlorobenzene	106-46-7	LA-523-456	U	< 260	ug/kg			1.00	2.6e+02		03/20/08
Phenol	108-95-2	LA-523-456	U	< 150	ug/kg			1.00	1.5e+02		03/20/08
1,2,4-Trichlorobenzene	120-82-1	LA-523-456	U	< 150	ug/kg			1.00	1.5e+02		03/20/08
2,4-Dinitrotoluene	121-14-2	LA-523-456	U	< 150	ug/kg			1.00	1.5e+02		03/20/08
Pyrene	129-00-0	LA-523-456	U	< 150	ug/kg			1.00	1.5e+02		03/20/08
4-Chloro-3-methylphenol	59-50-7	LA-523-456	U	< 150	ug/kg			1.00	1.5e+02		03/20/08
N-Nitrosodi-n-dipropylamine	621-64-7	LA-523-456	U	< 150	ug/kg			1.00	1.5e+02		03/20/08

MDL=Minimum Detection Limit

RQ=Result Qualifier

TP Err=Total Propagated Error

DF=Dilution Factor

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

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

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

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

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

Report WGPP/ver. 5.2

Groundwater Remediation Program

WSCF ANALYTICAL RESULTS REPORT

Attention: Steve Trent
SAF Number: F08-043
Sample # W08GR00630
Client ID: B1TDC7

GPP **TRENT**
WSCF

Matrix: SOIL

Group #: WSCF20080543
Department: Organic
Sampled: 03/05/08
Received: 03/17/08

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		03/20/08
Pentachlorophenol	87-86-5	LA-523-456	U	< 220	ug/kg			1.00	2.2e+02		03/20/08
2-Chlorophenol	95-57-8	LA-523-456	U	< 150	ug/kg			1.00	1.5e+02		03/20/08
Tributyl phosphate	126-73-8	LA-523-456	U	< 150	ug/kg			1.00	1.5e+02		03/20/08
1,2,4-Trimethylbenzene	95-63-6	LA-523-456	U	< 200	ug/kg			1.00	2.0e+02		03/20/08

MDL=Minimum Detection Limit

RQ=Result Qualifier

TP Err=Total Propagated Error

DF=Dilution Factor

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

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

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

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

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

Report WGPP/ver. 5.2

Groundwater Remediation Program

WSCF

ANALYTICAL RESULTS REPORT

Attention: Steve Trent
SAF Number: F08-043
Sample # W08GR00632
Client ID: B1TDD0

GPP TRENT
WSCF

Matrix: SOIL

Group #: WSCF20080543
Department: Organic
Sampled: 03/05/08
Received: 03/17/08

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
NWTPH-D TPH Diesel Range (Wa) Prep											
NWTPH-D TPH Diesel Range (Wa)											
Total Pet. Hydrocarbons Diesel	TPHDIESEL	LA-523-493	U	< 3.30e+03	ug/kg			1.00	3.3e+03		03/25/08
Kerosene	TPHKEROSENE	LA-523-493	U	< 3.30e+03	ug/kg			1.00	3.3e+03		03/25/08
PCBs complete list Prep											
PCBs complete list											
Aroclor-1016	12674-11-2	LA-523-427	U	< 11.0	ug/kg			1.00	11		03/25/08
Aroclor-1221	11104-28-2	LA-523-427	U	< 22.0	ug/kg			1.00	22		03/25/08
Aroclor-1232	11141-16-5	LA-523-427	U	< 11.0	ug/kg			1.00	11		03/25/08
Aroclor-1242	53469-21-9	LA-523-427	U	< 11.0	ug/kg			1.00	11		03/25/08
Aroclor-1248	12672-29-6	LA-523-427	U	< 11.0	ug/kg			1.00	11		03/25/08
Aroclor-1254	11097-69-1	LA-523-427	U	< 11.0	ug/kg			1.00	11		03/25/08
Aroclor-1260	11096-82-5	LA-523-427	U	< 11.0	ug/kg			1.00	11		03/25/08
Aroclor-1262	37324-23-5	LA-523-427	U	< 11.0	ug/kg			1.00	11		03/25/08
Aroclor-1268	11100-14-4	LA-523-427	U	< 11.0	ug/kg			1.00	11		03/25/08
SW-846 8270C Semi-Vols Prep											
SW-846 8270C Semi-Vols											
4-Nitrophenol	100-02-7	LA-523-456	U	< 220	ug/kg			1.00	2.2e+02		03/20/08
1,4-Dichlorobenzene	106-46-7	LA-523-456	U	< 260	ug/kg			1.00	2.6e+02		03/20/08
Phenol	108-95-2	LA-523-456	U	< 150	ug/kg			1.00	1.5e+02		03/20/08
1,2,4-Trichlorobenzene	120-82-1	LA-523-456	U	< 150	ug/kg			1.00	1.5e+02		03/20/08
2,4-Dinitrotoluene	121-14-2	LA-523-456	U	< 150	ug/kg			1.00	1.5e+02		03/20/08
Pyrene	129-00-0	LA-523-456	U	< 150	ug/kg			1.00	1.5e+02		03/20/08
4-Chloro-3-methylphenol	59-50-7	LA-523-456	U	< 150	ug/kg			1.00	1.5e+02		03/20/08
N-Nitrosodi-n-dipropylamine	621-64-7	LA-523-456	U	< 150	ug/kg			1.00	1.5e+02		03/20/08

MDL=Minimum Detection Limit

RQ=Result Qualifier

TP Err=Total Propagated Error

DF=Dilution Factor

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

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

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

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

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

Report WGPP/ver. 5.2

Groundwater Remediation Program

WSCF ANALYTICAL RESULTS REPORT

Attention: Steve Trent
SAF Number: F08-043
Sample # W08GR00632
Client ID: B1TDD0

GPP **TRENT**
WSCF

Matrix: SOIL

Group #: WSCF20080543
Department: Organic
Sampled: 03/05/08
Received: 03/17/08

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		03/20/08
Pentachlorophenol	87-86-5	LA-523-456	U	< 220	ug/kg			1.00	2.2e+02		03/20/08
2-Chlorophenol	95-57-8	LA-523-456	U	< 150	ug/kg			1.00	1.5e+02		03/20/08
Tributyl phosphate	126-73-8	LA-523-456	U	< 150	ug/kg			1.00	1.5e+02		03/20/08
1,2,4-Trimethylbenzene	95-63-6	LA-523-456	U	< 200	ug/kg			1.00	2.0e+02		03/20/08

MDL=Minimum Detection Limit

RQ=Result Qualifier

TP Err=Total Propagated Error

DF=Dilution Factor

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

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

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

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

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

Report WGPP/ver. 5.2

Groundwater Remediation Program

30 of 80

WSCF ANALYTICAL RESULTS REPORT

Attention: Steve Trent
SAF Number: F08-043
Sample # W08GR00636
Client ID: B1TDC2

GPP TRENT
WSCF

Matrix: SOIL

Group #: WSCF20080543
Department: Organic
Sampled: 03/04/08
Received: 03/17/08

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	< 1.10	ug/kg			1.00	1.1		03/19/08
Trichloroethene	79-01-6	LA-523-455	U	< 1.10	ug/kg			1.00	1.1		03/19/08
Benzene	71-43-2	LA-523-455	U	< 1.10	ug/kg			1.00	1.1		03/19/08
Toluene	108-88-3	LA-523-455	U	< 1.10	ug/kg			1.00	1.1		03/19/08
Chlorobenzene	108-90-7	LA-523-455	U	< 1.10	ug/kg			1.00	1.1		03/19/08
1,1-Dichloroethane	75-34-3	LA-523-455	U	< 1.10	ug/kg			1.00	1.1		03/19/08
Ethylbenzene	100-41-4	LA-523-455	U	< 1.10	ug/kg			1.00	1.1		03/19/08
Styrene	100-42-5	LA-523-455	U	< 1.10	ug/kg			1.00	1.1		03/19/08
cis-1,3-Dichloropropene	10061-01-5	LA-523-455	U	< 1.10	ug/kg			1.00	1.1		03/19/08
trans-1,3-Dichloropropene	10061-02-6	LA-523-455	U	< 1.10	ug/kg			1.00	1.1		03/19/08
1,2-Dichloroethane	107-06-2	LA-523-455	U	< 1.10	ug/kg			1.00	1.1		03/19/08
4-Methyl-2-Pentanone	108-10-1	LA-523-455	U	< 1.10	ug/kg			1.00	1.1		03/19/08
Dibromochloromethane	124-48-1	LA-523-455	U	< 1.10	ug/kg			1.00	1.1		03/19/08
Tetrachloroethene	127-18-4	LA-523-455	U	< 1.10	ug/kg			1.00	1.1		03/19/08
Xylenes (total)	1330-20-7	LA-523-455	U	< 1.10	ug/kg			1.00	1.1		03/19/08
1,2-Dichloroethene(Total)	540-59-0	LA-523-455	U	< 1.10	ug/kg			1.00	1.1		03/19/08
Carbon tetrachloride	56-23-5	LA-523-455	U	< 1.10	ug/kg			1.00	1.1		03/19/08
2-Hexanone	591-78-6	LA-523-455	U	< 1.10	ug/kg			1.00	1.1		03/19/08
Acetone	67-64-1	LA-523-455	U	< 1.10	ug/kg			1.00	1.1		03/19/08
Chloroform	67-66-3	LA-523-455	U	< 1.10	ug/kg			1.00	1.1		03/19/08
1,1,1-Trichloroethane	71-55-6	LA-523-455	U	< 1.10	ug/kg			1.00	1.1		03/19/08
Bromomethane	74-83-9	LA-523-455	U	< 1.10	ug/kg			1.00	1.1		03/19/08
Chloromethane	74-87-3	LA-523-455	U	< 1.10	ug/kg			1.00	1.1		03/19/08
Chloroethane	75-00-3	LA-523-455	U	< 1.10	ug/kg			1.00	1.1		03/19/08

MDL=Minimum Detection Limit

RQ=Result Qualifier

TP Err=Total Propagated Error

DF=Dilution Factor

* - Indicates results that have NOT been validated;

+ - Indicates more than six qualifier symbols

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

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

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

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

Report WGPP/ver. 5.2

Groundwater Remediation Program

WSCF ANALYTICAL RESULTS REPORT

Attention: Steve Trent
SAF Number: F08-043
Sample # W08GR00636
Client ID: B1TDC2

GPP TRENT
WSCF

Matrix: SOIL

Group #: WSCF20080543
Department: Organic
Sampled: 03/04/08
Received: 03/17/08

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
Vinyl chloride	75-01-4	LA-523-455	U	< 1.10	ug/kg			1.00	1.1		03/19/08
Methylenechloride	75-09-2	LA-523-455	U	< 1.10	ug/kg			1.00	1.1		03/19/08
Carbon disulfide	75-15-0	LA-523-455	U	< 1.10	ug/kg			1.00	1.1		03/19/08
Bromoform	75-25-2	LA-523-455	U	< 1.10	ug/kg			1.00	1.1		03/19/08
Bromodichloromethane	75-27-4	LA-523-455	U	< 1.10	ug/kg			1.00	1.1		03/19/08
1,2-Dichloropropane	78-87-5	LA-523-455	U	< 1.10	ug/kg			1.00	1.1		03/19/08
2-Butanone	78-93-3	LA-523-455	U	< 1.10	ug/kg			1.00	1.1		03/19/08
1,1,2-Trichloroethane	79-00-5	LA-523-455	U	< 1.10	ug/kg			1.00	1.1		03/19/08
1,1,2,2-Tetrachloroethane	79-34-5	LA-523-455	U	< 1.10	ug/kg			1.00	1.1		03/19/08
Hexane	110-54-3	LA-523-455	U	< 1.10	ug/kg			1.00	1.1		03/19/08
Tetrahydrofuran	109-99-9	LA-523-455	U	< 2.30	ug/kg			1.00	2.3		03/19/08
Acetonitrile	75-05-8	LA-523-455	U	< 2.30	ug/kg			1.00	2.3		03/19/08

MDL = Minimum Detection Limit

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

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

RQ = Result Qualifier

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

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

TP Err = Total Propagated Error

DF = Dilution Factor

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

Report WGPP/ver. 5.2

Groundwater Remediation Program

WSCF ANALYTICAL RESULTS REPORT

Attention: Steve Trent
SAF Number: F08-043
Sample # W08GR00637
Client ID: BITDC5

GPP TRENT
WSCF

Matrix: SOIL

Group #: WSCF20080543
Department: Organic
Sampled: 03/05/08
Received: 03/17/08

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	< 0.680	ug/kg			1.00	0.68		03/19/08
Trichloroethene	79-01-6	LA-523-455	U	< 0.680	ug/kg			1.00	0.68		03/19/08
Benzene	71-43-2	LA-523-455	U	< 0.680	ug/kg			1.00	0.68		03/19/08
Toluene	108-88-3	LA-523-455	U	< 0.680	ug/kg			1.00	0.68		03/19/08
Chlorobenzene	108-90-7	LA-523-455	U	< 0.680	ug/kg			1.00	0.68		03/19/08
1,1-Dichloroethane	75-34-3	LA-523-455	U	< 0.680	ug/kg			1.00	0.68		03/19/08
Ethylbenzene	100-41-4	LA-523-455	U	< 0.680	ug/kg			1.00	0.68		03/19/08
Styrene	100-42-5	LA-523-455	U	< 0.680	ug/kg			1.00	0.68		03/19/08
cis-1,3-Dichloropropene	10061-01-5	LA-523-455	U	< 0.680	ug/kg			1.00	0.68		03/19/08
trans-1,3-Dichloropropene	10061-02-6	LA-523-455	U	< 0.680	ug/kg			1.00	0.68		03/19/08
1,2-Dichloroethane	107-06-2	LA-523-455	U	< 0.680	ug/kg			1.00	0.68		03/19/08
4-Methyl-2-Pentanone	108-10-1	LA-523-455	U	< 0.680	ug/kg			1.00	0.68		03/19/08
Dibromochloromethane	124-48-1	LA-523-455	U	< 0.680	ug/kg			1.00	0.68		03/19/08
Tetrachloroethene	127-18-4	LA-523-455	U	< 0.680	ug/kg			1.00	0.68		03/19/08
Xylenes (total)	1330-20-7	LA-523-455	U	< 0.680	ug/kg			1.00	0.68		03/19/08
1,2-Dichloroethene(Total)	540-59-0	LA-523-455	U	< 0.680	ug/kg			1.00	0.68		03/19/08
Carbon tetrachloride	56-23-5	LA-523-455	U	< 0.680	ug/kg			1.00	0.68		03/19/08
2-Hexanone	591-78-6	LA-523-455	U	< 0.680	ug/kg			1.00	0.68		03/19/08
Acetone	67-64-1	LA-523-455	U	< 0.680	ug/kg			1.00	0.68		03/19/08
Chloroform	67-66-3	LA-523-455	U	< 0.680	ug/kg			1.00	0.68		03/19/08
1,1,1-Trichloroethane	71-55-6	LA-523-455	U	< 0.680	ug/kg			1.00	0.68		03/19/08
Bromomethane	74-83-9	LA-523-455	U	< 0.680	ug/kg			1.00	0.68		03/19/08
Chloromethane	74-87-3	LA-523-455	U	< 0.680	ug/kg			1.00	0.68		03/19/08
Chloroethane	75-00-3	LA-523-455	U	< 0.680	ug/kg			1.00	0.68		03/19/08

MDL=Minimum Detection Limit

RQ=Result Qualifier

TP Err=Total Propagated Error

DF=Dilution Factor

* - Indicates results that have NOT been validated;

+ - Indicates more than six qualifier symbols

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

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

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

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

Report WGPP/ver. 5.2

Groundwater Remediation Program

WSCF ANALYTICAL RESULTS REPORT

Attention: Steve Trent
SAF Number: F08-043
Sample # W08GR00637
Client ID: B1TDC5

GPP **TRENT**
WSCF

Matrix: SOIL

Group #: WSCF20080543
Department: Organic
Sampled: 03/05/08
Received: 03/17/08

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
Vinyl chloride	75-01-4	LA-523-455	U	< 0.680	ug/kg			1.00	0.68		03/19/08
Methylenechloride	75-09-2	LA-523-455	U	< 0.680	ug/kg			1.00	0.68		03/19/08
Carbon disulfide	75-15-0	LA-523-455	U	< 0.680	ug/kg			1.00	0.68		03/19/08
Bromoform	75-25-2	LA-523-455	U	< 0.680	ug/kg			1.00	0.68		03/19/08
Bromodichloromethane	75-27-4	LA-523-455	U	< 0.680	ug/kg			1.00	0.68		03/19/08
1,2-Dichloropropane	78-87-5	LA-523-455	U	< 0.680	ug/kg			1.00	0.68		03/19/08
2-Butanone	78-93-3	LA-523-455	U	< 0.680	ug/kg			1.00	0.68		03/19/08
1,1,2-Trichloroethane	79-00-5	LA-523-455	U	< 0.680	ug/kg			1.00	0.68		03/19/08
1,1,2,2-Tetrachloroethane	79-34-5	LA-523-455	U	< 0.680	ug/kg			1.00	0.68		03/19/08
Hexane	110-54-3	LA-523-455	U	< 0.680	ug/kg			1.00	0.68		03/19/08
Tetrahydrofuran	109-99-9	LA-523-455	U	< 1.40	ug/kg			1.00	1.4		03/19/08
Acetonitrile	75-05-8	LA-523-455	U	< 1.40	ug/kg			1.00	1.4		03/19/08

MDL=Minimum Detection Limit

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

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

RQ=Result Qualifier

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

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

TP Err=Total Propagated Error

DF=Dilution Factor

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

Report WGPP/ver. 5.2

Groundwater Remediation Program

WSCF ANALYTICAL RESULTS REPORT

Attention: Steve Trent
SAF Number: F08-043
Sample # W08GR00638
Client ID: B1TDC8

GPP TRENT
WSCF

Matrix: SOIL

Group #: WSCF20080543
Department: Organic
Sampled: 03/05/08
Received: 03/17/08

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	< 0.830	ug/kg			1.00	0.83		03/19/08
Trichloroethene	79-01-6	LA-523-455	U	< 0.830	ug/kg			1.00	0.83		03/19/08
Benzene	71-43-2	LA-523-455	U	< 0.830	ug/kg			1.00	0.83		03/19/08
Toluene	108-88-3	LA-523-455	U	< 0.830	ug/kg			1.00	0.83		03/19/08
Chlorobenzene	108-90-7	LA-523-455	U	< 0.830	ug/kg			1.00	0.83		03/19/08
1,1-Dichloroethane	75-34-3	LA-523-455	U	< 0.830	ug/kg			1.00	0.83		03/19/08
Ethylbenzene	100-41-4	LA-523-455	U	< 0.830	ug/kg			1.00	0.83		03/19/08
Styrene	100-42-5	LA-523-455	U	< 0.830	ug/kg			1.00	0.83		03/19/08
cis-1,3-Dichloropropene	10061-01-5	LA-523-455	U	< 0.830	ug/kg			1.00	0.83		03/19/08
trans-1,3-Dichloropropene	10061-02-6	LA-523-455	U	< 0.830	ug/kg			1.00	0.83		03/19/08
1,2-Dichloroethane	107-06-2	LA-523-455	U	< 0.830	ug/kg			1.00	0.83		03/19/08
4-Methyl-2-Pentanone	108-10-1	LA-523-455	U	< 0.830	ug/kg			1.00	0.83		03/19/08
Dibromochloromethane	124-48-1	LA-523-455	U	< 0.830	ug/kg			1.00	0.83		03/19/08
Tetrachloroethene	127-18-4	LA-523-455	U	< 0.830	ug/kg			1.00	0.83		03/19/08
Xylenes (total)	1330-20-7	LA-523-455	U	< 0.830	ug/kg			1.00	0.83		03/19/08
1,2-Dichloroethene(Total)	540-59-0	LA-523-455	U	< 0.830	ug/kg			1.00	0.83		03/19/08
Carbon tetrachloride	56-23-5	LA-523-455	U	< 0.830	ug/kg			1.00	0.83		03/19/08
2-Hexanone	591-78-6	LA-523-455	U	< 0.830	ug/kg			1.00	0.83		03/19/08
Acetone	67-64-1	LA-523-455	U	< 0.830	ug/kg			1.00	0.83		03/19/08
Chloroform	67-66-3	LA-523-455	U	< 0.830	ug/kg			1.00	0.83		03/19/08
1,1,1-Trichloroethane	71-55-6	LA-523-455	U	< 0.830	ug/kg			1.00	0.83		03/19/08
Bromomethane	74-83-9	LA-523-455	U	< 0.830	ug/kg			1.00	0.83		03/19/08
Chloromethane	74-87-3	LA-523-455	U	< 0.830	ug/kg			1.00	0.83		03/19/08
Chloroethane	75-00-3	LA-523-455	U	< 0.830	ug/kg			1.00	0.83		03/19/08

MDL=Minimum Detection Limit

RQ=Result Qualifier

TP Err=Total Propagated Error

DF=Dilution Factor

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

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

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

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

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

Report WGPP/ver. 5.2

Groundwater Remediation Program

WSCF ANALYTICAL RESULTS REPORT

Attention: Steve Trent
SAF Number: F08-043
Sample # W08GR00638
Client ID: B1TDC8

GPP TRENT
WSCF

Matrix: SOIL

Group #: WSCF20080543
Department: Organic
Sampled: 03/05/08
Received: 03/17/08

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
Vinyl chloride	75-01-4	LA-523-455	U	< 0.830	ug/kg			1.00	0.83		03/19/08
Methylenechloride	75-09-2	LA-523-455	U	< 0.830	ug/kg			1.00	0.83		03/19/08
Carbon disulfide	75-15-0	LA-523-455	U	< 0.830	ug/kg			1.00	0.83		03/19/08
Bromoform	75-25-2	LA-523-455	U	< 0.830	ug/kg			1.00	0.83		03/19/08
Bromodichloromethane	75-27-4	LA-523-455	U	< 0.830	ug/kg			1.00	0.83		03/19/08
1,2-Dichloropropane	78-87-5	LA-523-455	U	< 0.830	ug/kg			1.00	0.83		03/19/08
2-Butanone	78-93-3	LA-523-455	U	< 0.830	ug/kg			1.00	0.83		03/19/08
1,1,2-Trichloroethane	79-00-5	LA-523-455	U	< 0.830	ug/kg			1.00	0.83		03/19/08
1,1,2,2-Tetrachloroethane	79-34-5	LA-523-455	U	< 0.830	ug/kg			1.00	0.83		03/19/08
Hexane	110-54-3	LA-523-455	U	< 0.830	ug/kg			1.00	0.83		03/19/08
Tetrahydrofuran	109-99-9	LA-523-455	U	< 1.70	ug/kg			1.00	1.7		03/19/08
Acetonitrile	75-05-8	LA-523-455	U	< 1.70	ug/kg			1.00	1.7		03/19/08

MDL=Minimum Detection Limit

RQ=Result Qualifier

TP Err=Total Propagated Error

DF=Dilution Factor

* - Indicates results that have NOT been validated;

+ - Indicates more than six qualifier symbols

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

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

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

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

Report WGPP/ver. 5.2

Groundwater Remediation Program

WSCF
TENTATIVELY IDENTIFIED PEAK REPORT

Attention: Steve Trent
Project Number: F08-043 :F08-043

Group #: WSCF20080543
Department: Organic

Sample #	Client ID	Test Name	Peak Name	CAS#	RT	RQ	Result	Units
W08GR00637	B1TDC5 GPP TRENT	VOA Ground Water Protection	SMP 8.149 Unknown	Unknown	8.149966	J	4.5	ug/kg

RQ=Result Qualifier J - Analyte < lowest calibration but > = MDL(org)

This report may not be reproduced, except in its entirety without the written approval of the WSCF Laboratory.

Groundwater Remediation Program

WGPPE v 5.2 Report#: WSCF20080543 Report Date: 1-may-2008

WSCF ANALYTICAL LABORATORY QC REPORT

Department: **Organic**

SDG Number: WSCF20080543
 Matrix: SOLID
 Test: PCBs complete list

Sample Date: 03/04/08
 Receive Date: 03/17/08

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Lower Limit	Upper Limit	RPD(%)	RPD Limit	RQ	Analysis Date
Lab ID: W08GR00628											
BATCH QC ASSOCIATED WITH SAMPLE											
SURR	Decachlorobiphenyl	2051-24-3	407.00	98.000	% Recov	50.000	150.000				03/25/08
SURR	Tetrachloro-m-xylene	877-09-8	403.00	97.000	% Recov	50.000	150.000				03/25/08
Lab ID: W08GR00630											
BATCH QC ASSOCIATED WITH SAMPLE											
SURR	Decachlorobiphenyl	2051-24-3	450.64	103.000	% Recov	50.000	150.000				03/25/08
SURR	Tetrachloro-m-xylene	877-09-8	426.13	97.500	% Recov	50.000	150.000				03/25/08
Lab ID: W08GR00632											
BATCH QC ASSOCIATED WITH SAMPLE											
MS	Aroclor-1260	11096-82-5	269.09	124.000	% Recov	75.000	125.000				03/25/08
MS	Decachlorobiphenyl	2051-24-3	949.18	109.000	% Recov	50.000	150.000				03/25/08
MS	Tetrachloro-m-xylene	877-09-8	906.21	104.000	% Recov	50.000	150.000				03/25/08
MSD	Aroclor-1260	11096-82-5	249.17	117.000	% Recov	75.000	125.000				03/25/08
MSD	Decachlorobiphenyl	2051-24-3	452.72	106.000	% Recov	50.000	150.000				03/25/08
MSD	Tetrachloro-m-xylene	877-09-8	449.46	105.000	% Recov	50.000	150.000				03/25/08
SPK-RPD	Aroclor-1260	11096-82-5	117.000		RPD			5.809	25.000		03/25/08
SPK-RPD	Decachlorobiphenyl	2051-24-3	106.000		RPD			2.791	20.000		03/25/08
SPK-RPD	Tetrachloro-m-xylene	877-09-8	105.000		RPD			0.957	20.000		03/25/08
SURR	Decachlorobiphenyl	2051-24-3	428.64	98.900	% Recov	50.000	150.000				03/25/08
SURR	Tetrachloro-m-xylene	877-09-8	405.21	93.500	% Recov	50.000	150.000				03/25/08
BATCH QC											
BLANK	Aroclor-1016	12674-11-2	< 10	n/a	UGKG					U	03/25/08
BLANK	Aroclor-1221	11104-28-2	< 20	n/a	ug/Kg					U	03/25/08
BLANK	Aroclor-1232	11141-16-5	< 10	n/a	ug/Kg					U	03/25/08

WSCF ANALYTICAL LABORATORY QC REPORT

Department: **Organic**

SDG Number: WSCF20080543
 Matrix: SOLID
 Test: PCBs complete list

Sample Date:
 Receive Date:

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Lower Limit	Upper Limit	RPD(%)	RPD Limit	RQ	Analysis Date
BLANK	Aroclor-1242	53469-21-9	< 10	n/a	ug/Kg					U	03/25/08
BLANK	Aroclor-1248	12672-29-6	< 10	n/a	ug/Kg					U	03/25/08
BLANK	Aroclor-1254	11097-69-1	< 10	n/a	ug/Kg					U	03/25/08
BLANK	Aroclor-1260	11096-82-5	< 10	n/a	ug/Kg					U	03/25/08
BLANK	Aroclor-1262	37324-23-5	< 10	n/a	ug/Kg					U	03/25/08
BLANK	Aroclor-1268	11100-14-4	< 10	n/a	ug/Kg					U	03/25/08
BLANK	Decachlorobiphenyl	2051-24-3	377.09	94.300	% Recov	50.000	150.000				03/25/08
BLANK	Tetrachloro-m-xylene	877-09-8	369.27	92.300	% Recov	50.000	150.000				03/25/08
LCS	Aroclor-1260	11096-82-5	217.13	109.000	% Recov	70.000	130.000				03/25/08
LCS	Decachlorobiphenyl	2051-24-3	388.67	97.200	% Recov	50.000	150.000				03/25/08
LCS	Tetrachloro-m-xylene	877-09-8	371.22	92.800	% Recov	50.000	150.000				03/25/08

WSCF ANALYTICAL LABORATORY QC REPORT

Department: **Organic**

SDG Number: WSCF20080543
 Matrix: SOLID
 Test: SW-846 8270C Semi-Vols

Sample Date: 03/04/08
 Receive Date: 03/17/08

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Lower Limit	Upper Limit	RPD(%)	RPD Limit	RQ	Analysis Date
---------	---------	-------	----------	----------	-------	-------------	-------------	--------	-----------	----	---------------

Lab ID: **W08GR00628**

BATCH QC ASSOCIATED WITH SAMPLE

SURR	2-Fluorophenol(Surr)	367-12-4	3500.1	84.200	% Recov	72.000	120.000				03/20/08
SURR	2-Fluorobiphenyl(Surr)	321-60-8	3302.2	79.500	% Recov	66.000	122.000				03/20/08
SURR	Nitrobenzene-d5(Surr)	4165-60-0	3531.2	85.000	% Recov	63.000	125.000				03/20/08
SURR	Phenol-d5(Surr)	4165-62-2	3505.0	84.300	% Recov	66.000	124.000				03/20/08
SURR	2,4,6-Tribromophenol(Surr)	118-79-6	2717.6	65.400	% Recov	49.000	120.000				03/20/08
SURR	Terphenyl-d14(Surr)	98904-43-9	3394.8	81.700	% Recov	58.000	128.000				03/20/08

Lab ID: **W08GR00630**

BATCH QC ASSOCIATED WITH SAMPLE

SURR	2-Fluorophenol(Surr)	367-12-4	3242.3	74.400	% Recov	72.000	120.000				03/20/08
SURR	2-Fluorobiphenyl(Surr)	321-60-8	3141.6	72.100	% Recov	66.000	122.000				03/20/08
SURR	Nitrobenzene-d5(Surr)	4165-60-0	3210.2	73.700	% Recov	63.000	125.000				03/20/08
SURR	Phenol-d5(Surr)	4165-62-2	3221.8	74.000	% Recov	66.000	124.000				03/20/08
SURR	2,4,6-Tribromophenol(Surr)	118-79-6	2521.7	57.900	% Recov	49.000	120.000				03/20/08
SURR	Terphenyl-d14(Surr)	98904-43-9	3226.3	74.100	% Recov	58.000	128.000				03/20/08

Lab ID: **W08GR00632**

BATCH QC ASSOCIATED WITH SAMPLE

MS	1,2,4-Trichlorobenzene	120-82-1	3585.2	82.600	% Recov	75.000	121.000				03/20/08
MS	1,4-Dichlorobenzene	106-46-7	3515.0	81.000	% Recov	68.000	121.000				03/20/08
MS	2,4-Dinitrotoluene	121-14-2	3401.9	78.400	% Recov	66.000	113.000				03/20/08
MS	2-Fluorophenol(Surr)	367-12-4	3506.5	80.800	% Recov	72.000	120.000				03/20/08
MS	Acenaphthene	83-32-9	3594.4	82.800	% Recov	69.000	125.000				03/20/08
MS	4-Chloro-3-methylphenol	59-50-7	5358.0	82.300	% Recov	68.000	116.000				03/20/08
MS	2-Chlorophenol	95-57-8	5319.4	81.700	% Recov	65.000	124.000				03/20/08
MS	N-Nitrosodi-n-dipropylamine	621-64-7	3411.7	78.600	% Recov	69.000	127.000				03/20/08

WSCF ANALYTICAL LABORATORY QC REPORT

Department: **Organic**

SDG Number: WSCF20080543
 Matrix: SOLID
 Test: SW-846 8270C Semi-Vols

Sample Date: 03/05/08
 Receive Date: 03/17/08

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Lower Limit	Upper Limit	RPD(%)	RPD Limit	RQ	Analysis Date
MS	2-Fluorobiphenyl(Surr)	321-60-8	3411.3	78.800	% Recov	66.000	122.000				03/20/08
MS	Phenol	108-95-2	5292.8	81.300	% Recov	71.000	122.000				03/20/08
MS	Nitrobenzene-d5(Surr)	4165-80-0	3457.8	79.700	% Recov	63.000	125.000				03/20/08
MS	4-Nitrophenol	100-02-7	4536.8	69.700	% Recov	55.000	113.000				03/20/08
MS	Pentachlorophenol	87-86-5	4449.2	68.300	% Recov	50.000	113.000				03/20/08
MS	Phenol-d5(Surr)	4165-62-2	3548.0	81.700	% Recov	66.000	124.000				03/20/08
MS	Pyrene	129-00-0	3443.8	79.300	% Recov	67.000	125.000				03/20/08
MS	2,4,6-Tribromophenol(Surr)	118-79-6	3374.2	77.700	% Recov	49.000	120.000				03/20/08
MS	Terphenyl-d14(Surr)	98904-43-9	3527.8	81.300	% Recov	58.000	128.000				03/20/08
MSD	1,2,4-Trichlorobenzene	120-82-1	3628.0	83.200	% Recov	75.000	121.000				03/20/08
MSD	1,4-Dichlorobenzene	106-46-7	3674.2	84.300	% Recov	68.000	121.000				03/20/08
MSD	2,4-Dinitrotoluene	121-14-2	3495.9	80.200	% Recov	66.000	113.000				03/20/08
MSD	2-Fluorophenol(Surr)	367-12-4	3630.4	83.300	% Recov	72.000	120.000				03/20/08
MSD	Acenaphthene	83-32-9	3701.8	84.900	% Recov	69.000	125.000				03/20/08
MSD	4-Chloro-3-methylphenol	59-50-7	5543.7	84.800	% Recov	68.000	116.000				03/20/08
MSD	2-Chlorophenol	95-57-8	5484.5	83.900	% Recov	65.000	124.000				03/20/08
MSD	N-Nitrosodi-n-dipropylamine	621-64-7	3703.5	85.000	% Recov	69.000	127.000				03/20/08
MSD	2-Fluorobiphenyl(Surr)	321-60-8	3626.8	83.200	% Recov	66.000	122.000				03/20/08
MSD	Phenol	108-95-2	5551.1	84.900	% Recov	71.000	122.000				03/20/08
MSD	Nitrobenzene-d5(Surr)	4165-80-0	3478.1	79.800	% Recov	63.000	125.000				03/20/08
MSD	4-Nitrophenol	100-02-7	4737.3	72.500	% Recov	55.000	113.000				03/20/08
MSD	Pentachlorophenol	87-86-5	4665.0	71.400	% Recov	50.000	113.000				03/20/08
MSD	Phenol-d5(Surr)	4165-62-2	3648.0	83.700	% Recov	66.000	124.000				03/20/08
MSD	Pyrene	129-00-0	3396.6	77.900	% Recov	67.000	125.000				03/20/08
MSD	2,4,6-Tribromophenol(Surr)	118-79-6	3416.5	78.400	% Recov	49.000	120.000				03/20/08
MSD	Terphenyl-d14(Surr)	98904-43-9	3467.8	79.600	% Recov	58.000	128.000				03/20/08
SPK-RPD	1,2,4-Trichlorobenzene	120-82-1	83.200		RPD			0.724	20.000		03/20/08
SPK-RPD	1,4-Dichlorobenzene	106-46-7	84.300		RPD			3.993	20.000		03/20/08
SPK-RPD	2,4-Dinitrotoluene	121-14-2	80.200		RPD			2.270	20.000		03/20/08
SPK-RPD	2-Fluorophenol(Surr)	367-12-4	83.300		RPD			3.047	20.000		03/20/08

WSCF ANALYTICAL LABORATORY QC REPORT

Department: **Organic**

SDG Number: WSCF20080543
 Matrix: SOLID
 Test: SW-846 8270C Semi-Vols

Sample Date: 03/05/08
 Receive Date: 03/17/08

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Lower Limit	Upper Limit	RPD(%)	RPD Limit	RQ	Analysis Date
SPK-RPD	Acenaphthene	83-32-9	84.900		RPD			2.504	20.000		03/20/08
SPK-RPD	4-Chloro-3-methylphenol	59-50-7	84.800		RPD			2.992	20.000		03/20/08
SPK-RPD	2-Chlorophenol	95-57-8	83.900		RPD			2.657	20.000		03/20/08
SPK-RPD	N-Nitrosodi-n-dipropylamine	621-64-7	85.000		RPD			7.824	20.000		03/20/08
SPK-RPD	2-Fluorobiphenyl(Surr)	321-60-8	83.200		RPD			5.686	20.000		03/20/08
SPK-RPD	Phenol	108-95-2	84.900		RPD			4.332	20.000		03/20/08
SPK-RPD	Nitrobenzene-d5(Surr)	4165-60-0	79.800		RPD			0.125	20.000		03/20/08
SPK-RPD	4-Nitrophenol	100-02-7	72.500		RPD			3.938	20.000		03/20/08
SPK-RPD	Pentachlorophenol	87-86-5	71.400		RPD			4.438	20.000		03/20/08
SPK-RPD	Phenol-d5(Surr)	4165-62-2	83.700		RPD			2.418	20.000		03/20/08
SPK-RPD	Pyrene	129-00-0	77.900		RPD			1.781	20.000		03/20/08
SPK-RPD	2,4,6-Tribromophenol(Surr)	118-79-6	78.400		RPD			0.897	20.000		03/20/08
SPK-RPD	Terphenyl-d14(Surr)	98904-43-9	79.600		RPD			2.113	20.000		03/20/08
SURR	2-Fluorophenol(Surr)	367-12-4	3943.5	90.800	% Recov	72.000	120.000				03/20/08
SURR	2-Fluorobiphenyl(Surr)	321-60-8	3707.1	85.400	% Recov	66.000	122.000				03/20/08
SURR	Nitrobenzene-d5(Surr)	4165-60-0	4066.2	93.600	% Recov	63.000	125.000				03/20/08
SURR	Phenol-d5(Surr)	4165-62-2	3862.8	89.000	% Recov	66.000	124.000				03/20/08
SURR	2,4,6-Tribromophenol(Surr)	118-79-6	3036.7	69.900	% Recov	49.000	120.000				03/20/08
SURR	Terphenyl-d14(Surr)	98904-43-9	4128.9	95.100	% Recov	58.000	128.000				03/20/08
BATCH QC											
BLANK	1,2,4-Trimethylbenzene	95-63-6	< 180	n/a	ug/Kg					U	03/20/08
BLANK	1,2,4-Trichlorobenzene	120-82-1	< 140	n/a	ug/Kg					U	03/20/08
BLANK	1,4-Dichlorobenzene	106-46-7	< 240	n/a	ug/Kg					U	03/20/08
BLANK	2,4-Dinitrotoluene	121-14-2	< 140	n/a	ug/Kg					U	03/20/08
BLANK	2-Fluorophenol(Surr)	367-12-4	3197.6	79.900	% Recov	72.000	120.000				03/20/08
BLANK	Acenaphthene	83-32-9	< 140	n/a	ug/Kg					U	03/20/08
BLANK	4-Chloro-3-methylphenol	59-50-7	< 140	n/a	ug/Kg					U	03/20/08
BLANK	2-Chlorophenol	95-57-8	< 140	n/a	ug/Kg					U	03/20/08
BLANK	N-Nitrosodi-n-dipropylamine	621-64-7	< 140	n/a	ug/Kg					U	03/20/08

WSCF ANALYTICAL LABORATORY QC REPORT

Department: **Organic**

SDG Number: WSCF20080543
 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	2-Fluorobiphenyl(Surr)	321-60-8	3141.7	78.500	% Recov	66.000	122.000				03/20/08
BLANK	Phenol	108-95-2	< 140	n/a	ug/Kg					U	03/20/08
BLANK	Nitrobenzene-d5(Surr)	4165-60-0	3322.4	83.100	% Recov	63.000	125.000				03/20/08
BLANK	4-Nitrophenol	100-02-7	< 200	n/a	ug/Kg					U	03/20/08
BLANK	Pentachlorophenol	87-86-5	< 200	n/a	ug/Kg					U	03/20/08
BLANK	Phenol-d5(Surr)	4165-62-2	3252.6	81.300	% Recov	66.000	124.000				03/20/08
BLANK	Pyrene	129-00-0	< 140	n/a	ug/Kg					U	03/20/08
BLANK	Tributyl phosphate	126-73-8	< 140	n/a	ug/Kg					U	03/20/08
BLANK	2,4,6-Tribromophenol(Surr)	118-79-6	2322.5	58.100	% Recov	49.000	120.000				03/20/08
BLANK	Terphenyl-d14(Surr)	98904-43-9	3231.5	80.800	% Recov	58.000	128.000				03/20/08
LCS	1,2,4-Trichlorobenzene	120-82-1	3095.5	77.388	% Recov	76.000	118.000				03/20/08
LCS	1,4-Dichlorobenzene	106-46-7	3157.3	78.900	% Recov	68.000	121.000				03/20/08
LCS	2,4-Dinitrotoluene	121-14-2	2982.4	74.600	% Recov	68.000	112.000				03/20/08
LCS	2-Fluorophenol(Surr)	367-12-4	3330.2	83.300	% Recov	50.000	110.000				03/20/08
LCS	Acenaphthene	83-32-9	3182.4	79.600	% Recov	75.000	121.000				03/20/08
LCS	4-Chloro-3-methylphenol	59-50-7	4593.4	76.600	% Recov	68.000	117.000				03/20/08
LCS	2-Chlorophenol	95-57-8	4564.2	76.100	% Recov	84.000	114.000				03/20/08
LCS	N-Nitrosodi-n-dipropylamine	621-64-7	3047.9	76.198	% Recov	76.000	119.000				03/20/08
LCS	2-Fluorobiphenyl(Surr)	321-60-8	2956.3	73.900	% Recov	58.000	109.000				03/20/08
LCS	Phenol	108-95-2	4885.4	81.423	% Recov	80.000	113.000				03/20/08
LCS	Nitrobenzene-d5(Surr)	4165-60-0	2898.6	72.500	% Recov	60.000	118.000				03/20/08
LCS	4-Nitrophenol	100-02-7	3879.5	64.700	% Recov	42.000	123.000				03/20/08
LCS	Pentachlorophenol	87-86-5	3925.6	65.400	% Recov	55.000	120.000				03/20/08
LCS	Phenol-d5(Surr)	4165-62-2	2934.4	73.400	% Recov	59.000	116.000				03/20/08
LCS	Pyrene	129-00-0	2991.2	74.800	% Recov	67.000	122.000				03/20/08
LCS	2,4,6-Tribromophenol(Surr)	118-79-6	2927.6	73.200	% Recov	60.000	120.000				03/20/08
LCS	Terphenyl-d14(Surr)	98904-43-9	2951.5	73.800	% Recov	60.000	120.000				03/20/08

WSCF ANALYTICAL LABORATORY QC REPORT

Department: **Organic**

SDG Number: WSCF20080543
 Matrix: SOLID
 Test: NWTPH-D TPH Diesel Range (Wa)

Sample Date: 03/04/08
 Receive Date: 03/17/08

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Lower Limit	Upper Limit	RPD(%)	RPD Limit	RQ	Analysis Date
---------	---------	-------	----------	----------	-------	-------------	-------------	--------	-----------	----	---------------

Lab ID: W08GR00628
BATCH QC ASSOCIATED WITH SAMPLE

MS	ortho-Terphenyl	Surr	84-15-1	19406	93.700	% Recov	70.000	130.000			03/25/08
MS	Total Pet. Hydrocarbons Diesel		TPHDIESEL	102960	99.400	% Recov	75.000	125.000			03/25/08
MSD	ortho-Terphenyl	Surr	84-15-1	16380	78.900	% Recov	70.000	130.000			03/25/08
MSD	Total Pet. Hydrocarbons Diesel		TPHDIESEL	97130	93.600	% Recov	75.000	125.000			03/25/08
SPK-RPD	ortho-Terphenyl	Surr	84-15-1	78.900		RPD			17.149	20.000	03/25/08
SPK-RPD	Total Pet. Hydrocarbons Diesel		TPHDIESEL	93.600		RPD			6.010	20.000	03/25/08
SURR	ortho-Terphenyl	Surr	84-15-1	16499	79.500	% Recov	70.000	130.000			03/25/08

Lab ID: W08GR00630
BATCH QC ASSOCIATED WITH SAMPLE

SURR	ortho-Terphenyl	Surr	84-15-1	17009	77.900	% Recov	70.000	130.000			03/25/08
------	-----------------	------	---------	-------	--------	---------	--------	---------	--	--	----------

Lab ID: W08GR00632
BATCH QC ASSOCIATED WITH SAMPLE

SURR	ortho-Terphenyl	Surr	84-15-1	15364	70.700	% Recov	70.000	130.000			03/25/08
------	-----------------	------	---------	-------	--------	---------	--------	---------	--	--	----------

BATCH QC

BLANK	Kerosene		TPHKEROSENE	< 3000	n/a	ug/Kg				U	03/25/08
BLANK	ortho-Terphenyl	Surr	84-15-1	16514	82.600	% Recov	70.000	130.000			03/25/08
BLANK	Total Pet. Hydrocarbons Diesel		TPHDIESEL	< 3000	n/a	ug/Kg				U	03/25/08
LCS	ortho-Terphenyl	Surr	84-15-1	15505	77.500	% Recov	70.000	130.000			03/25/08
LCS	Total Pet. Hydrocarbons Diesel		TPHDIESEL	88868	88.900	% Recov	80.000	120.000			03/25/08

WSCF ANALYTICAL LABORATORY QC REPORT

Department: **Organic**

SDG Number: WSCF20080543
 Matrix: SOLID
 Test: VOA Ground Water Protection

Sample Date: 03/04/08
 Receive Date: 03/17/08

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Lower Limit	Upper Limit	RPD(%)	RPD Limit	RQ	Analysis Date
Lab ID: W08GR00636											
BATCH QC ASSOCIATED WITH SAMPLE											
MS	1,1-Dichloroethene	75-35-4	14.360	88.000	% Recov	63.000	117.000				03/19/08
MS	Benzene	71-43-2	17.250	106.000	% Recov	75.000	129.000				03/19/08
MS	4-Bromofluorobenzene(Surr)	480-00-4	32.900	101.000	% Recov	75.000	125.000				03/19/08
MS	Chlorobenzene	108-90-7	18.550	114.000	% Recov	79.000	119.000				03/19/08
MS	1,2-Dichloroethane-d4(Surr)	17060-07-0	37.740	116.000	% Recov	75.000	125.000				03/19/08
MS	Toluene-d8(Surr)	2037-26-5	33.780	104.000	% Recov	75.000	125.000				03/19/08
MS	Toluene	108-88-3	18.510	113.000	% Recov	76.000	120.000				03/19/08
MS	Trichloroethene	79-01-6	14.190	87.000	% Recov	73.000	123.000				03/19/08
MSD	1,1-Dichloroethene	75-35-4	24.010	86.500	% Recov	63.000	117.000				03/19/08
MSD	Benzene	71-43-2	26.440	95.200	% Recov	75.000	129.000				03/19/08
MSD	4-Bromofluorobenzene(Surr)	460-00-4	57.840	104.000	% Recov	75.000	125.000				03/19/08
MSD	Chlorobenzene	108-90-7	28.840	104.000	% Recov	79.000	119.000				03/19/08
MSD	1,2-Dichloroethane-d4(Surr)	17060-07-0	63.310	114.000	% Recov	75.000	125.000				03/19/08
MSD	Toluene-d8(Surr)	2037-26-5	57.840	104.000	% Recov	75.000	125.000				03/19/08
MSD	Toluene	108-88-3	29.160	105.000	% Recov	76.000	120.000				03/19/08
MSD	Trichloroethene	79-01-6	22.590	81.400	% Recov	73.000	123.000				03/19/08
SPK-RPD	1,1-Dichloroethene	75-35-4	86.500		RPD			1.719	20.000		03/19/08
SPK-RPD	Benzene	71-43-2	95.200		RPD			10.736	20.000		03/19/08
SPK-RPD	4-Bromofluorobenzene(Surr)	460-00-4	104.000		RPD			2.927	20.000		03/19/08
SPK-RPD	Chlorobenzene	108-90-7	104.000		RPD			9.174	20.000		03/19/08
SPK-RPD	1,2-Dichloroethane-d4(Surr)	17060-07-0	114.000		RPD			1.739	20.000		03/19/08
SPK-RPD	Toluene-d8(Surr)	2037-26-5	104.000		RPD			0.000	20.000		03/19/08
SPK-RPD	Toluene	108-88-3	105.000		RPD			7.339	20.000		03/19/08
SPK-RPD	Trichloroethene	79-01-6	81.400		RPD			6.651	20.000		03/19/08
SURR	4-Bromofluorobenzene(Surr)	460-00-4	57.890	102.000	% Recov	75.000	125.000				03/19/08
SURR	1,2-Dichloroethane-d4(Surr)	17060-07-0	65.960	116.000	% Recov	75.000	125.000				03/19/08

WSCF ANALYTICAL LABORATORY QC REPORT

Department: **Organic**

SDG Number: WSCF20080543
 Matrix: SOLID
 Test: VOA Ground Water Protection

Sample Date: 03/04/08
 Receive Date: 03/17/08

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Lower Limit	Upper Limit	RPD(%)	RPD Limit	RQ	Analysis Date
---------	---------	-------	----------	----------	-------	-------------	-------------	--------	-----------	----	---------------

Lab ID: W08GR00637
BATCH QC ASSOCIATED WITH SAMPLE

SURR	4-Bromofluorobenzene(Surr)	460-00-4	34.650	103.000	% Recov	75.000	125.000				03/19/08
SURR	1,2-Dichloroethane-d4(Surr)	17060-07-0	39.250	116.000	% Recov	75.000	125.000				03/19/08
SURR	Toluene-d8(Surr)	2037-26-5	35.180	104.000	% Recov	80.000	126.000				03/19/08

Lab ID: W08GR00638
BATCH QC ASSOCIATED WITH SAMPLE

SURR	4-Bromofluorobenzene(Surr)	460-00-4	42.680	103.000	% Recov	75.000	125.000				03/19/08
SURR	1,2-Dichloroethane-d4(Surr)	17060-07-0	48.360	117.000	% Recov	75.000	125.000				03/19/08
SURR	Toluene-d8(Surr)	2037-26-5	43.780	106.000	% Recov	80.000	126.000				03/19/08

BATCH QC

BLANK	1,1-Dichloroethane	75-34-3	< 1.0	n/a	ug/Kg					U	03/19/08
BLANK	1,1,1-Trichloroethane	71-55-6	< 1.0	n/a	ug/Kg					U	03/19/08
BLANK	1,1,2-Trichloroethane	79-00-5	< 1.0	n/a	ug/Kg					U	03/19/08
BLANK	1,1,2,2-Tetrachloroethane	79-34-5	< 1.0	n/a	ug/Kg					U	03/19/08
BLANK	1,1-Dichloroethene	75-35-4	< 1.0	n/a	ug/Kg					U	03/19/08
BLANK	1,2-Dichloroethane	107-06-2	< 1.0	n/a	ug/Kg					U	03/19/08
BLANK	1,2-Dichloroethene(Total)	540-59-0	< 1.0	n/a	ug/Kg					U	03/19/08
BLANK	2-Hexanone	591-78-6	< 1.0	n/a	ug/Kg					U	03/19/08
BLANK	4-Methyl-2-Pentanone	108-10-1	< 1.0	n/a	ug/Kg					U	03/19/08
BLANK	Acetone	67-64-1	< 1.0	n/a	ug/Kg					U	03/19/08
BLANK	Bromodichloromethane	75-27-4	< 1.0	n/a	ug/Kg					U	03/19/08
BLANK	Benzene	71-43-2	< 1.0	n/a	ug/Kg					U	03/19/08
BLANK	4-Bromofluorobenzene(Surr)	460-00-4	51.670	103.000	% Recov	75.000	125.000				03/19/08
BLANK	Bromoform	75-25-2	< 1.0	n/a	ug/Kg					U	03/19/08
BLANK	Carbon disulfide	75-15-0	< 1.0	n/a	ug/Kg					U	03/19/08

WSCF ANALYTICAL LABORATORY QC REPORT

Department: **Organic**

SDG Number: WSCF20080543
 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	Carbon tetrachloride	56-23-5	< 1.0	n/a	ug/Kg					U	03/19/08
BLANK	Dibromochloromethane	124-48-1	< 1.0	n/a	ug/Kg					U	03/19/08
BLANK	Chloroform	67-66-3	< 1.0	n/a	ug/Kg					U	03/19/08
BLANK	Chlorobenzene	108-90-7	< 1.0	n/a	ug/Kg					U	03/19/08
BLANK	cis-1,3-Dichloropropene	10061-01-5	< 1.0	n/a	ug/Kg					U	03/19/08
BLANK	Chloroethane	75-00-3	< 1.0	n/a	ug/Kg					U	03/19/08
BLANK	1,2-Dichloroethane-d4(Surr)	17060-07-0	58.870	118.000	% Recov	75.000	125.000				03/19/08
BLANK	1,2-Dichloropropane	78-87-5	< 1.0	n/a	ug/Kg					U	03/19/08
BLANK	Ethylbenzene	100-41-4	< 1.0	n/a	ug/Kg					U	03/19/08
BLANK	Hexane	110-54-3	< 1.0	n/a	ug/Kg					U	03/19/08
BLANK	Bromomethane	74-83-9	< 1.0	n/a	ug/Kg					U	03/19/08
BLANK	Chloromethane	74-87-3	< 1.0	n/a	ug/Kg					U	03/19/08
BLANK	2-Butanone	78-93-3	< 1.0	n/a	ug/Kg					U	03/19/08
BLANK	Methylenechloride	75-09-2	< 1.0	n/a	ug/Kg					U	03/19/08
BLANK	Tetrachloroethene	127-18-4	< 1.0	n/a	ug/Kg					U	03/19/08
BLANK	Styrene	100-42-5	< 1.0	n/a	ug/Kg					U	03/19/08
BLANK	Xylenes (total)	1330-20-7	< 1.0	n/a	ug/Kg					U	03/19/08
BLANK	Tetrahydrofuran	109-99-9	< 2.0	n/a	ug/Kg					U	03/19/08
BLANK	Toluene-d8(Surr)	2037-26-5	51.170	102.000	% Recov	80.000	126.000				03/19/08
BLANK	Toluene	108-88-3	< 1.0	n/a	ug/Kg					U	03/19/08
BLANK	trans-1,3-Dichloropropene	10061-02-6	< 1.0	n/a	ug/Kg					U	03/19/08
BLANK	Trichloroethene	79-01-6	< 1.0	n/a	ug/Kg					U	03/19/08
BLANK	Vinyl chloride	75-01-4	< 1.0	n/a	ug/Kg					U	03/19/08
LCS	1,1-Dichloroethene	75-35-4	19.950	79.800	% Recov	75.000	125.000				03/20/08
LCS	Benzene	71-43-2	24.560	98.200	% Recov	75.000	125.000				03/20/08
LCS	4-Bromofluorobenzene(Surr)	460-00-4	51.780	104.000	% Recov	75.000	125.000				03/20/08
LCS	Chlorobenzene	108-90-7	25.960	104.000	% Recov	75.000	125.000				03/20/08
LCS	1,2-Dichloroethane-d4(Surr)	17060-07-0	57.640	115.000	% Recov	75.000	125.000				03/20/08
LCS	Toluene-d8(Surr)	2037-26-5	52.270	105.000	% Recov	80.000	126.000				03/20/08
LCS	Toluene	108-88-3	25.490	102.000	% Recov	75.000	125.000				03/20/08

WSCF ANALYTICAL LABORATORY QC REPORT

Department: Organic

SDG Number: WSCF20080543
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
LCS	Trichloroethene	79-01-6	20.090	80.400	% Recov	75.000	125.000				03/20/08

WSCF ANALYTICAL COMMENT REPORT

Attention: Steve Trent
Project Number F08-043

Group #: WSCF20080543
Department: Organic

Sample #	Client ID	Lab Area	Test	Comment
		VALGROUP		<p>SVOA: The matrix spike compound, 2-Chlorophenol was below recovery limits in the LCS. All other recoveries are within control limits.</p> <p>Organics: All results are moisture corrected and reported on a dry weight basis. cgc</p> <p>W08GR00628,630,632/GEA/Cs137 duplicate is flagged for poor RPD but the sample activity is low level. lnh</p> <p>U-234 & U-238 duplicate is flagged for poor RPD because the sample activity is low level. RPD does not apply.</p> <p>Am-241 duplicate is flagged for poor RPD however, the sample activity is low level. RPD does not apply to low level samples. lnh</p> <p>VOA: Sample from 3/4/08 received 3/17/08 analyzed 3/19/08. Hence holding time exceedance. gar</p>

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

VALTEST - Test Validation
LOGTEST - Login for Tests

TESTDATA - Test Data Entry

This report may not be reproduced, except in its entirety without the written approval of the WSCF Laboratory.

WSCF ANALYTICAL RESULTS REPORT

Attention: Steve Trent
SAF Number: F08-043
Sample # W08GR00628
Client ID: BITDC4

GPP **TRENT**
WSCF

Matrix: SOIL

Group #: WSCF20080543
Department: Radiochemistry
Sampled: 03/04/08
Received: 03/17/08

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	+ -0.0171	pCi/g	1.00	0.018		04/02/08
Am-243 tracer by AEA	AM243	LA-508-471		3.80	pCi/g			1.00	0.011		04/02/08
Gamma Energy Analysis-grd H2O											
Cobalt-60	10198-40-0	LA-508-481	U	-2.28e-03	pCi/g	+ -5.81e-03	pCi/g	1.00	9.9e-03		03/25/08
Cesium-137	10045-97-3	LA-508-481		0.0108	pCi/g	+ -7.48e-03	pCi/g	1.00	0.011		03/25/08
Europium-152	14683-23-9	LA-508-481	U	2.47e-03	pCi/g	+ -0.0217	pCi/g	1.00	0.032		03/25/08
Europium-154	15585-10-1	LA-508-481	U	-4.59e-03	pCi/g	+ -0.0205	pCi/g	1.00	0.030		03/25/08
Europium-155	14391-16-3	LA-508-481	U	0.0297	pCi/g	+ -0.0290	pCi/g	1.00	0.048		03/25/08
Niobium-94	14681-63-1	LA-508-481	U	-1.56e-03	pCi/g	+ -5.77e-03	pCi/g	1.00	9.8e-03		03/25/08
Radium-226	13982-63-3	LA-508-481		0.633	pCi/g	+ -0.101	pCi/g	1.00	0.021		03/25/08
Radium-228	15262-20-1	LA-508-481		0.660	pCi/g	+ -0.117	pCi/g	1.00	0.034		03/25/08
Neptunium by AEA											
Neptunium-237	13994-20-2	LA-508-471	U	4.00e-03	pCi/g	+ -0.0140	pCi/g	1.00	0.029		04/29/08
Plutonium Isotopics by AEA											
Plutonium-238	13981-16-3	LA-508-471	U	4.00e-03	pCi/g	+ -0.0234	pCi/g	1.00	0.043		04/02/08
Pu-239/240 by AEA	PU-239/240	LA-508-471	U	4.00e-03	pCi/g	+ -9.84e-03	pCi/g	1.00	0.019		04/02/08
Pu-242 tracer by AEA	PU242	LA-508-471		5.90	pCi/g			1.00	0.015		04/02/08
Strontium 89/90											
Strontium-89/90	SR-RAD	LA-508-415	U	-0.140	pCi/g	+ -1.06	pCi/g	1.00	0.41		03/20/08
Sr-85 Tracer by Beta Counting	SR85	LA-508-415		89.7	Percent			1.00	0.0		03/20/08
Uranium Isotopics by AEA											
Uranium-233/234	U-233/234	LA-508-471		0.200	pCi/g	+ -0.0660	pCi/g	1.00	0.019		04/02/08
Uranium-235	15117-96-1	LA-508-471		0.0200	pCi/g	+ -0.0142	pCi/g	1.00	6.0e-03		04/02/08
Uranium-238	U-238	LA-508-471		0.150	pCi/g	+ -0.0525	pCi/g	1.00	0.015		04/02/08

MDL = Minimum Detection Limit

RQ = Result Qualifier

TP Err = Total Propagated Error

DF = Dilution Factor

* - Indicates results that have NOT been validated;

+ - Indicates more than six qualifier symbols

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

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

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

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

Report WGPP/ver. 5.2

Groundwater Remediation Program

WSCF ANALYTICAL RESULTS REPORT

Attention: Steve Trent
SAF Number: F08-043
Sample # W08GR00628
Client ID: B1TDC4

GPP TRENT
WSCF

Matrix: SOIL

Group #: WSCF20080543
Department: Radiochemistry
Sampled: 03/04/08
Received: 03/17/08

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
U-232 tracer by AEA	U232	LA-508-471		3.90	pCi/g			1.00	0.047		04/02/08

MDL=Minimum Detection Limit

RQ=Result Qualifier

TP Err=Total Propagated Error

DF=Dilution Factor

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

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

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

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

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

Report WGPP/ver. 5.2

Groundwater Remediation Program

WSCF

ANALYTICAL RESULTS REPORT

Attention: Steve Trent
SAF Number: F08-043
Sample # W08GR00630
Client ID: B1TDC7

GPP TRENT
WSCF

Matrix: SOIL

Group #: WSCF20080543
Department: Radiochemistry
Sampled: 03/05/08
Received: 03/17/08

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		0.0350	pCi/g	+ -0.0186	pCi/g	1.00	0.019		04/02/08
Am-243 tracer by AEA	AM243	LA-508-471		3.80	pCi/g			1.00	0.017		04/02/08
Gamma Energy Analysis-grd H2O											
Cobalt-60	10198-40-0	LA-508-481	U	-5.98e-03	pCi/g	+ -9.51e-03	pCi/g	1.00	0.016		03/25/08
Cesium-137	10045-97-3	LA-508-481	U	4.04e-04	pCi/g	+ -4.04e-03	pCi/g	1.00	0.019		03/25/08
Europium-152	14683-23-9	LA-508-481	U	-0.0257	pCi/g	+ -0.0542	pCi/g	1.00	0.050		03/25/08
Europium-154	15585-10-1	LA-508-481	U	-0.0153	pCi/g	+ -0.0355	pCi/g	1.00	0.052		03/25/08
Europium-155	14391-16-3	LA-508-481	U	0.0209	pCi/g	+ -0.0387	pCi/g	1.00	0.063		03/25/08
Niobium-94	14681-63-1	LA-508-481	U	0.0105	pCi/g	+ -0.0129	pCi/g	1.00	0.016		03/25/08
Radium-226	13982-63-3	LA-508-481		0.624	pCi/g	+ -0.103	pCi/g	1.00	0.033		03/25/08
Radium-228	15262-20-1	LA-508-481		0.699	pCi/g	+ -0.128	pCi/g	1.00	0.059		03/25/08
Neptunium by AEA											
Neptunium-237	13994-20-2	LA-508-471	U	0.0120	pCi/g	+ -0.0144	pCi/g	1.00	1.1		04/29/08
Plutonium Isotopics by AEA											
Plutonium-238	13981-16-3	LA-508-471	U	9.00e-03	pCi/g	+ -0.0208	pCi/g	1.00	0.036		04/02/08
Pu-239/240 by AEA	PU-239/240	LA-508-471		0.0140	pCi/g	+ -0.0104	pCi/g	1.00	4.9e-03		04/02/08
Pu-242 tracer by AEA	PU242	LA-508-471		5.80	pCi/g			1.00	0.013		04/02/08
Strontium 89/90											
Strontium-89/90	SR-RAD	LA-508-415		0.800	pCi/g	+ -1.02	pCi/g	1.00	0.42		03/20/08
Sr-85 Tracer by Beta Counting	SR85	LA-508-415		88.4	Percent			1.00	0.0		03/20/08
Uranium Isotopics by AEA											
Uranium-233/234	U-233/234	LA-508-471		0.250	pCi/g	+ -0.0775	pCi/g	1.00	0.020		04/02/08
Uranium-235	15117-96-1	LA-508-471		0.0290	pCi/g	+ -0.0183	pCi/g	1.00	0.015		04/02/08
Uranium-238	U-238	LA-508-471		0.190	pCi/g	+ -0.0608	pCi/g	1.00	5.2e-03		04/02/08

MDL=Minimum Detection Limit

RQ=Result Qualifier

TP Err=Total Propagated Error

DF=Dilution Factor

* - Indicates results that have NOT been validated;

+ - Indicates more than six qualifier symbols

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

D - Analyte was identified at a secondary dilution factor(inorg)
 U - Analyzed for but not detected above limiting criteria.(org)

Report WGPP/ver. 5.2

Groundwater Remediation Program

WSCF ANALYTICAL RESULTS REPORT

Attention: Steve Trent
SAF Number: F08-043
Sample # W08GR00632
Client ID: BITDD0

GPP TRENT
WSCF

Matrix: SOIL

Group #: WSCF20080543
Department: Radiochemistry
Sampled: 03/05/08
Received: 03/17/08

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	0.0150	pCi/g	+ -0.0124	pCi/g	1.00	0.016		04/02/08
Am-243 tracer by AEA	AM243	LA-508-471		3.80	pCi/g			1.00	0.011		04/02/08
Gamma Energy Analysis-grd H2O											
Cobalt-60	10198-40-0	LA-508-481	U	-4.38e-03	pCi/g	+ -6.84e-03	pCi/g	1.00	0.011		03/25/08
Cesium-137	10045-97-3	LA-508-481	U	5.89e-03	pCi/g	+ -7.35e-03	pCi/g	1.00	0.012		03/25/08
Europium-152	14683-23-9	LA-508-481	U	0.0120	pCi/g	+ -0.0252	pCi/g	1.00	0.036		03/25/08
Europium-154	15585-10-1	LA-508-481	U	-0.0312	pCi/g	+ -0.0312	pCi/g	1.00	0.036		03/25/08
Europium-155	14391-16-3	LA-508-481	U	0.0489	pCi/g	+ -0.0320	pCi/g	1.00	0.054		03/25/08
Niobium-94	14681-63-1	LA-508-481	U	-3.10e-04	pCi/g	+ -3.10e-03	pCi/g	1.00	0.011		03/25/08
Radium-226	13982-63-3	LA-508-481		0.586	pCi/g	+ -0.105	pCi/g	1.00	0.021		03/25/08
Radium-228	15262-20-1	LA-508-481		0.635	pCi/g	+ -0.116	pCi/g	1.00	0.039		03/25/08
Neptunium by AEA											
Neptunium-237	13994-20-2	LA-508-471	U	7.70e-03	pCi/g	+ -9.24e-04	pCi/g	1.00	0.028		04/29/08
Plutonium Isotopics by AEA											
Plutonium-238	13981-16-3	LA-508-471	U	-3.50e-03	pCi/g	+ -0.0204	pCi/g	1.00	0.039		04/02/08
Pu-239/240 by AEA	PU-239/240	LA-508-471	U	3.50e-03	pCi/g	+ -5.01e-03	pCi/g	1.00	4.7e-03		04/02/08
Pu-242 tracer by AEA	PU242	LA-508-471		5.90	pCi/g			1.00	0.013		04/02/08
Strontium 89/90											
Strontium-89/90	SR-RAD	LA-508-415	U	0.0210	pCi/g	+ -0.210	pCi/g	1.00	0.40		03/20/08
Sr-85 Tracer by Beta Counting	SR85	LA-508-415		93.1	Percent			1.00	0.0		03/20/08
Uranium Isotopics by AEA											
Uranium-233/234	U-233/234	LA-508-471		0.280	pCi/g	+ -0.0868	pCi/g	1.00	0.020		04/02/08
Uranium-235	15117-96-1	LA-508-471	U	0.0140	pCi/g	+ -0.0125	pCi/g	1.00	0.015		04/02/08
Uranium-238	U-238	LA-508-471		0.240	pCi/g	+ -0.0744	pCi/g	1.00	0.014		04/02/08

MDL=Minimum Detection Limit

RQ=Result Qualifier

TP Err=Total Propagated Error

DF=Dilution Factor

* - Indicates results that have NOT been validated;

+ - Indicates more than six qualifier symbols

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

D - Analyte was identified at a secondary dilution factor(inorg)
 U - Analyzed for but not detected above limiting criteria.(org)

Report WGPP/ver. 5.2

Groundwater Remediation Program

WSCF ANALYTICAL RESULTS REPORT

Attention: Steve Trent
SAF Number: F08-043
Sample # W08GR00632
Client ID: BITDD0 GPP TRENT
 WSCF

Group #: WSCF20080543
Department: Radiochemistry
Sampled: 03/05/08
Received: 03/17/08

Matrix: SOIL

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
U-232 tracer by AEA	U232	LA-508-471		3.90	pCi/g			1.00	0.037		04/02/08

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

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

D - Analyte was identified at a secondary dilution factor(inorg)
 U - Analyzed for but not detected above limiting criteria.(org)

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

Report WGPP/ver. 5.2
 Groundwater Remediation Program

WSCF

TENTATIVELY IDENTIFIED PEAK REPORT

Attention: Steve Trent
Project Number: F08-043 :F08-043

Group #: WSCF20080543
Department: Radiochemistry

Sample #	Client ID		Test Name	Peak Name	CAS#	RT	RQ	Result	Units
W08GR00628	B1TDC4	GPP	TRENT	Gamma Energy Analysis-grd H2O	AC-228			0.58	pCi/g
W08GR00628	B1TDC4	GPP	TRENT	Gamma Energy Analysis-grd H2O	AC-228 Count Error			20	%
W08GR00628	B1TDC4	GPP	TRENT	Gamma Energy Analysis-grd H2O	BI-212			0.51	pCi/g
W08GR00628	B1TDC4	GPP	TRENT	Gamma Energy Analysis-grd H2O	BI-212 Count Error			23	%
W08GR00628	B1TDC4	GPP	TRENT	Gamma Energy Analysis-grd H2O	BI-214			0.73	pCi/g
W08GR00628	B1TDC4	GPP	TRENT	Gamma Energy Analysis-grd H2O	BI-214 Count Error			11	%
W08GR00628	B1TDC4	GPP	TRENT	Gamma Energy Analysis-grd H2O	CS-134			0.026	pCi/g
W08GR00628	B1TDC4	GPP	TRENT	Gamma Energy Analysis-grd H2O	CS-134 Count Error			36	%
W08GR00628	B1TDC4	GPP	TRENT	Gamma Energy Analysis-grd H2O	K-40			13	pCi/g
W08GR00628	B1TDC4	GPP	TRENT	Gamma Energy Analysis-grd H2O	K-40 Count Error			14	%
W08GR00628	B1TDC4	GPP	TRENT	Gamma Energy Analysis-grd H2O	PB-212			0.75	pCi/g
W08GR00628	B1TDC4	GPP	TRENT	Gamma Energy Analysis-grd H2O	PB-212 Count Error			10	%
W08GR00628	B1TDC4	GPP	TRENT	Gamma Energy Analysis-grd H2O	PB-214			1.1	pCi/g
W08GR00628	B1TDC4	GPP	TRENT	Gamma Energy Analysis-grd H2O	PB-214 Count Error			19	%
W08GR00628	B1TDC4	GPP	TRENT	Gamma Energy Analysis-grd H2O	SN-126			0.19	pCi/g
W08GR00628	B1TDC4	GPP	TRENT	Gamma Energy Analysis-grd H2O	SN-126 Count Error			18	%
W08GR00628	B1TDC4	GPP	TRENT	Gamma Energy Analysis-grd H2O	TL-208			0.22	pCi/g
W08GR00628	B1TDC4	GPP	TRENT	Gamma Energy Analysis-grd H2O	TL-208 Count Error			15	%
W08GR00630	B1TDC7	GPP	TRENT	Gamma Energy Analysis-grd H2O	AC-228			0.64	pCi/g
W08GR00630	B1TDC7	GPP	TRENT	Gamma Energy Analysis-grd H2O	AC-228 Count Error			29	%
W08GR00630	B1TDC7	GPP	TRENT	Gamma Energy Analysis-grd H2O	BI-212			0.46	pCi/g
W08GR00630	B1TDC7	GPP	TRENT	Gamma Energy Analysis-grd H2O	BI-212 Count Error			29	%
W08GR00630	B1TDC7	GPP	TRENT	Gamma Energy Analysis-grd H2O	BI-214			0.70	pCi/g
W08GR00630	B1TDC7	GPP	TRENT	Gamma Energy Analysis-grd H2O	BI-214 Count Error			17	%
W08GR00630	B1TDC7	GPP	TRENT	Gamma Energy Analysis-grd H2O	CS-134			0.043	pCi/g

RQ=Result Qualifier J - Analyte < lowest calibration but > = MDL.(org)

This report may not be reproduced, except in its entirety without the written approval of the WSCF Laboratory.

Groundwater Remediation Program

WGPPE v 5.2 Report #: WSCF20080543 Report Date: 1-may-2008

WSCF

TENTATIVELY IDENTIFIED PEAK REPORT

Attention: Steve Trent
Project Number: F08-043 :F08-043

Group #: WSCF20080543
Department: Radiochemistry

Sample #	Client ID		Test Name	Peak Name	CAS#	RT	RQ	Result	Units
W08GR00630	B1TDC7	GPP	TRENT	Gamma Energy Analysis-grd H2O	CS-134 Count Error			41	%
W08GR00630	B1TDC7	GPP	TRENT	Gamma Energy Analysis-grd H2O	K-40			13	pCi/g
W08GR00630	B1TDC7	GPP	TRENT	Gamma Energy Analysis-grd H2O	K-40 Count Error			13	%
W08GR00630	B1TDC7	GPP	TRENT	Gamma Energy Analysis-grd H2O	PB-212			0.83	pCi/g
W08GR00630	B1TDC7	GPP	TRENT	Gamma Energy Analysis-grd H2O	PB-212 Count Error			13	%
W08GR00630	B1TDC7	GPP	TRENT	Gamma Energy Analysis-grd H2O	PB-214			1.0	pCi/g
W08GR00630	B1TDC7	GPP	TRENT	Gamma Energy Analysis-grd H2O	PB-214 Count Error			27	%
W08GR00630	B1TDC7	GPP	TRENT	Gamma Energy Analysis-grd H2O	SN-126			0.17	pCi/g
W08GR00630	B1TDC7	GPP	TRENT	Gamma Energy Analysis-grd H2O	SN-126 Count Error			26	%
W08GR00630	B1TDC7	GPP	TRENT	Gamma Energy Analysis-grd H2O	TH-234			0.97	pCi/g
W08GR00630	B1TDC7	GPP	TRENT	Gamma Energy Analysis-grd H2O	TH-234 Count Error			26	%
W08GR00630	B1TDC7	GPP	TRENT	Gamma Energy Analysis-grd H2O	TL-208			0.25	pCi/g
W08GR00630	B1TDC7	GPP	TRENT	Gamma Energy Analysis-grd H2O	TL-208 Count Error			15	%
W08GR00632	B1TDD0	GPP	TRENT	Gamma Energy Analysis-grd H2O	AC-228			0.62	pCi/g
W08GR00632	B1TDD0	GPP	TRENT	Gamma Energy Analysis-grd H2O	AC-228 Count Error			19	%
W08GR00632	B1TDD0	GPP	TRENT	Gamma Energy Analysis-grd H2O	BI-212			0.47	pCi/g
W08GR00632	B1TDD0	GPP	TRENT	Gamma Energy Analysis-grd H2O	BI-212 Count Error			21	%
W08GR00632	B1TDD0	GPP	TRENT	Gamma Energy Analysis-grd H2O	BI-214			0.71	pCi/g
W08GR00632	B1TDD0	GPP	TRENT	Gamma Energy Analysis-grd H2O	BI-214 Count Error			11	%
W08GR00632	B1TDD0	GPP	TRENT	Gamma Energy Analysis-grd H2O	CS-134			0.031	pCi/g
W08GR00632	B1TDD0	GPP	TRENT	Gamma Energy Analysis-grd H2O	CS-134 Count Error			39	%
W08GR00632	B1TDD0	GPP	TRENT	Gamma Energy Analysis-grd H2O	K-40			13	pCi/g
W08GR00632	B1TDD0	GPP	TRENT	Gamma Energy Analysis-grd H2O	K-40 Count Error			13	%
W08GR00632	B1TDD0	GPP	TRENT	Gamma Energy Analysis-grd H2O	PB-212			0.73	pCi/g
W08GR00632	B1TDD0	GPP	TRENT	Gamma Energy Analysis-grd H2O	PB-212 Count Error			11	%

RQ=Result Qualifier J - Analyte < lowest calibration but > = MDL.(org)

This report may not be reproduced, except in its entirety without the written approval of the WSCF Laboratory.

Groundwater Remediation Program

WGPPPE v 5.2 Report#: WSCF20080543 Report Date: 1-may-2008

WSCF

TENTATIVELY IDENTIFIED PEAK REPORT

Attention: Steve Trent
Project Number: F08-043 :F08-043

Group #: WSCF20080543
Department: Radiochemistry

Sample #	Client ID		Test Name	Peak Name	CAS#	RT	RQ	Result	Units
W08GR00632	B1TDD0	GPP	TRENT	Gamma Energy Analysis-grd H2O	PB-214			0.99	pCi/g
W08GR00632	B1TDD0	GPP	TRENT	Gamma Energy Analysis-grd H2O	PB-214 Count Error			20	%
W08GR00632	B1TDD0	GPP	TRENT	Gamma Energy Analysis-grd H2O	SN-126			0.17	pCi/g
W08GR00632	B1TDD0	GPP	TRENT	Gamma Energy Analysis-grd H2O	SN-126 Count Error			25	%
W08GR00632	B1TDD0	GPP	TRENT	Gamma Energy Analysis-grd H2O	TH-234			0.76	pCi/g
W08GR00632	B1TDD0	GPP	TRENT	Gamma Energy Analysis-grd H2O	TH-234 Count Error			35	%
W08GR00632	B1TDD0	GPP	TRENT	Gamma Energy Analysis-grd H2O	TL-208			0.20	pCi/g
W08GR00632	B1TDD0	GPP	TRENT	Gamma Energy Analysis-grd H2O	TL-208 Count Error			16	%

RQ=Result Qualifier J - Analyte < lowest calibration but > = MDL.(org)

This report may not be reproduced, except in its entirety without the written approval of the WSCF Laboratory.

Groundwater Remediation Program

WGPPE v 5.2 Report#: WSCF20080543 Report Date: 1-may-2008

Page 4

WSCF ANALYTICAL LABORATORY QC REPORT

Department: Radiochemistry

SDG Number: WSCF20080543
 Matrix: SOLID
 Test: Gamma Energy Analysis-grd H2O

Sample Date: 03/04/08
 Receive Date: 03/17/08

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Lower Limit	Upper Limit	RPD(%)	RPD Limit	RQ	Analysis Date
---------	---------	-------	----------	----------	-------	-------------	-------------	--------	-----------	----	---------------

Lab ID: W08GR00628
BATCH QC ASSOCIATED WITH SAMPLE

DUP	Cobalt-60	10198-40-0	U2.977e-3		RPD			n/a	20.000		03/26/08
DUP	Cesium-137	10045-97-3	1.4e-2		RPD			25.898	20.000		03/26/08
DUP	Europium-152	14683-23-9	U2.033e-3		RPD			n/a	20.000		03/26/08
DUP	Europium-154	15585-10-1	U2.292e-2		RPD			n/a	20.000		03/26/08
DUP	Europium-155	14391-16-3	U3.498e-2		RPD			n/a	20.000		03/26/08
DUP	Niobium-94	14681-63-1	U1.332e-3		RPD			n/a	20.000		03/26/08
DUP	Radium-226	13982-63-3	0.6545		RPD			3.356	20.000		03/26/08
DUP	Radium-228	15262-20-1	0.6265		RPD			5.162	20.000		03/26/08

BATCH QC

BLANK	Cobalt-60	10198-40-0	U3.441e-3	n/a	pCi/g	-10.000	1000.000				03/25/08
BLANK	Cesium-137	10045-97-3	U2.747e-3	n/a	pCi/g	-10.000	1000.000				03/25/08
BLANK	Europium-152	14683-23-9	U1.284e-2	n/a	pCi/g	-10.000	1000.000				03/25/08
BLANK	Europium-154	15585-10-1	U2.909e-4	n/a	pCi/g	-10.000	1000.000				03/25/08
BLANK	Europium-155	14391-16-3	U4.318e-3	n/a	pCi/g	-10.000	1000.000				03/25/08
BLANK	Niobium-94	14681-63-1	U1.018e-3	n/a	pCi/g	-10.000	1000.000				03/25/08
BLANK	Radium-226	13982-63-3	0.1012	0.101	pCi/g	-10.000	1000.000				03/25/08
BLANK	Radium-228	15262-20-1	4.311e-2	0.043	pCi/g	-10.000	1000.000				03/25/08
LCS	Cobalt-60	10198-40-0	10350	104.125	% Recov	80.000	120.000				03/26/08
LCS	Cesium-137	10045-97-3	6341	104.983	% Recov	80.000	120.000				03/26/08

WSCF ANALYTICAL LABORATORY QC REPORT

Department: Radiochemistry

SDG Number: WSCF20080543
 Matrix: SOLID
 Test: Americium by AEA

Sample Date: 03/04/08
 Receive Date: 03/17/08

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Lower Limit	Upper Limit	RPD(%)	RPD Limit	RQ	Analysis Date
---------	---------	-------	----------	----------	-------	-------------	-------------	--------	-----------	----	---------------

Lab ID: W08GR00628
 BATCH QC ASSOCIATED WITH SAMPLE

DUP	Americium-241	14596-10-2	4.1e-2		RPD			37.681	20.000		04/02/08
DUP	Am-243 tracer by AEA	AM243	3.789	80.160	% Recov	30.000	105.000				04/02/08
SURR	Am-243 tracer by AEA	AM243	3.789	92.810	% Recov	30.000	105.000				04/02/08

Lab ID: W08GR00630
 BATCH QC ASSOCIATED WITH SAMPLE

SURR	Am-243 tracer by AEA	AM243	3.775	87.120	% Recov	30.000	105.000				04/02/08
------	----------------------	-------	-------	--------	---------	--------	---------	--	--	--	----------

Lab ID: W08GR00632
 BATCH QC ASSOCIATED WITH SAMPLE

SURR	Am-243 tracer by AEA	AM243	3.833	92.590	% Recov	30.000	105.000				04/02/08
------	----------------------	-------	-------	--------	---------	--------	---------	--	--	--	----------

BATCH QC

BLANK	Americium-241	14596-10-2	U2.8e-2	n/a	pCi/g	-10.000	1000.000				04/02/08
BLANK	Am-243 tracer by AEA	AM243	4.024	68.060	% Recov	30.000	105.000				04/02/08
LCS	Americium-241	14596-10-2	12.09	102.025	% Recov	80.000	120.000				04/02/08
LCS	Am-243 tracer by AEA	AM243	11.17	66.290	% Recov	30.000	105.000				04/02/08

WSCF ANALYTICAL LABORATORY QC REPORT

Department: Radiochemistry

SDG Number: WSCF20080543
 Matrix: SOLID
 Test: Neptunium by AEA

Sample Date: 03/04/08
 Receive Date: 03/17/08

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Lower Limit	Upper Limit	RPD(%)	RPD Limit	RQ	Analysis Date
Lab ID: W08GR00628											
BATCH QC ASSOCIATED WITH SAMPLE											
DUP	Neptunium-237	13994-20-2	U4.2e-3		RPD			n/a	25.000		04/29/08
MS	Neptunium-237	13994-20-2	93.1	93.100	% Recov	75.000	125.000				04/29/08
MSD	Neptunium-237	13994-20-2	102	102.000	% Recov	75.000	125.000				04/29/08
SPK-RPD	Neptunium-237	13994-20-2	102.000		% RPD			9.124	20.000		04/29/08
Lab ID: W08GR00630											
BATCH QC ASSOCIATED WITH SAMPLE											
MS	Neptunium-237	13994-20-2	105.6	105.600	% Recov	75.000	125.000				04/29/08
Lab ID: W08GR00632											
BATCH QC ASSOCIATED WITH SAMPLE											
MS	Neptunium-237	13994-20-2	98.2	98.200	% Recov	75.000	125.000				04/29/08
BATCH QC											
BLANK	Neptunium-237	13994-20-2	U8.2e-3	n/a	pCi/G	-10.000	1000.000				04/29/08
LCS	Neptunium-237	13994-20-2	12.44	97.607	% Recov	80.000	120.000				04/29/08

WSCF ANALYTICAL LABORATORY QC REPORT

Department: Radiochemistry

SDG Number: WSCF20080543
 Matrix: SOLID
 Test: Plutonium Isotopics by AEA

Sample Date: 03/04/08
 Receive Date: 03/17/08

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Lower Limit	Upper Limit	RPD(%)	RPD Limit	RQ	Analysis Date
---------	---------	-------	----------	----------	-------	-------------	-------------	--------	-----------	----	---------------

Lab ID: W08GR00628
BATCH QC ASSOCIATED WITH SAMPLE

DUP	Plutonium-238	13981-16-3	U5.2e-3					n/a	20.000		04/02/08
DUP	Pu-239/240 by AEA	PU-239/240	U1.7e-3					n/a	20.000		04/02/08
DUP	Pu-242 tracer by AEA	PU242	5.872	76.190		% Recov	30.000	105.000			04/02/08
SURR	Pu-242 tracer by AEA	PU242	5.872	77.110		% Recov	30.000	105.000			04/02/08

Lab ID: W08GR00630
BATCH QC ASSOCIATED WITH SAMPLE

SURR	Pu-242 tracer by AEA	PU242	5.85	75.230		% Recov	30.000	105.000			04/02/08
------	----------------------	-------	------	--------	--	---------	--------	---------	--	--	----------

Lab ID: W08GR00632
BATCH QC ASSOCIATED WITH SAMPLE

SURR	Pu-242 tracer by AEA	PU242	5.939	75.020		% Recov	30.000	105.000			04/02/08
------	----------------------	-------	-------	--------	--	---------	--------	---------	--	--	----------

BATCH QC

BLANK	Plutonium-238	13981-16-3	U-2.5e-3	n/a	pCi/g	-10.000	1000.000				04/02/08
BLANK	Pu-239/240 by AEA	PU-239/240	U2.5e-3	n/a	pCi/g	-10.000	1000.000				04/02/08
BLANK	Pu-242 tracer by AEA	PU242	6.236	70.420		% Recov	30.000	105.000			04/02/08
LCS	Pu-239/240 by AEA	PU-239/240	12.76	99.338		% Recov	80.000	120.000			04/02/08
LCS	Pu-242 tracer by AEA	PU242	17.3	82.470		% Recov	30.000	105.000			04/02/08

WSCF ANALYTICAL LABORATORY QC REPORT

Department: Radiochemistry

SDG Number: WSCF20080543
 Matrix: SOLID
 Test: Strontium 89/90

Sample Date: 03/04/08
 Receive Date: 03/17/08

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Lower Limit	Upper Limit	RPD(%)	RPD Limit	RQ	Analysis Date
Lab ID: W08GR00628											
BATCH QC ASSOCIATED WITH SAMPLE											
DUP	Sr-85 Tracer by Beta Counting	SR85	99.7	99.700	% Recov	30.000	105.000				03/20/08
DUP	Strontium-89/90	SR-RAD	U-1.1		RPD			n/a	20.000		03/20/08
SURR	Sr-85 Tracer by Beta Counting	SR85	89.7	89.700	% Recov	30.000	105.000				03/20/08
Lab ID: W08GR00630											
BATCH QC ASSOCIATED WITH SAMPLE											
SURR	Sr-85 Tracer by Beta Counting	SR85	88.4	88.400	% Recov	30.000	105.000				03/20/08
Lab ID: W08GR00632											
BATCH QC ASSOCIATED WITH SAMPLE											
SURR	Sr-85 Tracer by Beta Counting	SR85	93.1	93.100	% Recov	30.000	105.000				03/20/08
BATCH QC											
BLANK	Sr-85 Tracer by Beta Counting	SR85	90.6	90.600	% Recov	30.000	105.000				03/20/08
BLANK	Strontium-89/90	10098-97-2	U-3.7E-01	n/a	pCi/g	-10.000	300.000				03/20/08
LCS	Sr-85 Tracer by Beta Counting	SR85	94.5	94.500	% Recov	30.000	105.000				03/20/08
LCS	Strontium-89/90	10098-97-2	69.1	98.293	% Recov	80.000	120.000				03/20/08

WSCF ANALYTICAL LABORATORY QC REPORT

Department: Radiochemistry

SDG Number: WSCF20080543
 Matrix: SOLID
 Test: Uranium Isotopics by AEA

Sample Date: 03/04/08
 Receive Date: 03/17/08

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Lower Limit	Upper Limit	RPD(%)	RPD Limit	RQ	Analysis Date
Lab ID: W08GR00628											
BATCH QC ASSOCIATED WITH SAMPLE											
DUP	U-232 tracer by AEA	U232	3.901	79.140	% Recov	30.000	105.000				04/02/08
DUP	Uranium-233/234	U-233/234	0.81		RPD			101.235	20.000 *		04/02/08
DUP	Uranium-235	15117-96-1	2.2e-2		RPD			9.524	20.000		04/02/08
DUP	Uranium-238	U-238	0.86		RPD			125.926	20.000 *		04/02/08
SURR	U-232 tracer by AEA	U232	3.901	72.400	% Recov	30.000	105.000				04/02/08
Lab ID: W08GR00630											
BATCH QC ASSOCIATED WITH SAMPLE											
SURR	U-232 tracer by AEA	U232	3.886	77.210	% Recov	30.000	105.000				04/02/08
Lab ID: W08GR00632											
BATCH QC ASSOCIATED WITH SAMPLE											
SURR	U-232 tracer by AEA	U232	3.946	85.520	% Recov	30.000	105.000				04/02/08
BATCH QC											
BLANK	U-232 tracer by AEA	U232	4.143	72.100	% Recov	30.000	105.000				04/02/08
BLANK	Uranium-233/234	13966-29-5	3.7e-2	0.037	pCi/g	-10.000	1000.000				04/02/08
BLANK	Uranium-235	15117-96-1	U2.7e-3	n/a	pCi/g	-10.000	1000.000				04/02/08
BLANK	Uranium-238	24678-82-8	7.3e-3	0.007	pCi/g	-10.000	1000.000				04/02/08
LCS	U-232 tracer by AEA	U232	11.50	67.090	% Recov	30.000	105.000				04/02/08
LCS	Uranium-233/234	13966-29-5	N/A	n/a	% Recov	75.000	125.000				04/02/08
LCS	Uranium-235	15117-96-1	N/A	n/a	% Recov	75.000	125.000				04/02/08
LCS	Uranium-238	24678-82-8	18.96	100.026	% Recov	80.000	120.000				04/02/08

WSCF ANALYTICAL COMMENT REPORT

Attention: Steve Trent
Project Number F08-043

Group #: WSCF20080543
Department: Radiochemistry

Sample #	Client ID	Lab Area	Test	Comment
		VALGROUP		<p>SVOA: The matrix spike compound, 2-Chlorophenol was below recovery limits in the LCS. All other recoveries are within control limits.</p> <p>Organics: All results are moisture corrected and reported on a dry weight basis. cgc</p> <p>W08GR00628,630,632/GEA/Cs137 duplicate is flagged for poor RPD but the sample activity is low level. lnh</p> <p>U-234 & U-238 duplicate is flagged for poor RPD because the sample activity is low level. RPD does not apply.</p> <p>Am-241 duplicate is flagged for poor RPD however, the sample activity is low level. RPD does not apply to low level samples. lnh</p> <p>VOA: Sample from 3/4/08 received 3/17/08 analyzed 3/19/08. Hence holding time exceedance. gar</p>

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

VALTEST - Test Validation
LOGTEST - Login for Tests

TESTDATA - Test Data Entry

This report may not be reproduced, except in its entirety without the written approval of the WSCF Laboratory.

M4W41-SLF-08-479

ATTACHMENT 4

SAMPLE RECEIPT INFORMATION

Consisting of 15 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#: 123215/ES20
Group#: 20080543
Project#: F08-043
Proj Mgr: Steve Trent E6-35
Phone: 373-5869

The following samples were received from you on 03/17/08. 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
W08GR00628	B1TDC4	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	03/04/08
W08GR00630	B1TDC7	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	03/05/08
W08GR00632	B1TDD0	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	03/05/08
W08GR00633	B1TDC3	GPP	TRENT Solid, or handle as if solid	03/04/08
W08GR00634	B1TDC6	GPP	TRENT Solid, or handle as if solid	03/05/08
W08GR00635	B1TDC9	GPP	TRENT Solid, or handle as if solid	03/05/08
W08GR00636	B1TDC2	GPP @VOA-GPP	TRENT Solid, or handle as if solid	03/04/08
W08GR00637	B1TDC5	GPP @VOA-GPP	TRENT Solid, or handle as if solid	03/05/08
W08GR00638	B1TDC8	GPP @VOA-GPP	TRENT Solid, or handle as if solid	03/05/08

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

Groundwater Remediation Program

Richland, WA 99354
Attn: Steve Trent

Customer Code: GPP
PO#: 123215/ES20
Group#: 20080543
Project#: F08-043
Proj Mgr: Steve Trent E6-35
Phone: 373-5869

Test Acronym Description

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

@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
----------	----------------

COLLECTOR: NCO Sampler *Fulton Webb*
 COMPANY CONTACT: TRENT, SJ
 TELEPHONE NO.: 373-5869
 PROJECT COORDINATOR: WIDRIG, DL
 PRICE CODE: 8N
 DATA TURNAROUND: 45 Days / 45 Days
 SAMPLING LOCATION: C5941, I-001
 PROJECT DESIGNATION: 216-A-30 Crib Sampling
 SAF NO.: F08-043
 AIR QUALITY:
 ICE CHEST NO.:
 FIELD LOGBOOK NO.:
 ACTUAL SAMPLE DEPTH: *2.3 - 4.8*
 COA: 123215ES20
 METHOD OF SHIPMENT: GOVERNMENT VEHICLE

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

MATRIX*	PRESERVATION	Cool~4C						None
		aG	aG	aG	G/P	G/P	Square Bottle - Poly	
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)	TYPE OF CONTAINER	1	1	1	1	1	1	
	NO. OF CONTAINER(S)	1	1	1	1	1	1	
	VOLUME	120mL	120mL	120mL	120mL	120mL	500mL	

SPECIAL HANDLING AND/OR STORAGE: Radioactive tie to B1TDB4
 SAMPLE ANALYSIS: SEE ITEM (1) IN SPECIAL INSTRUCTIONS, SEE ITEM (2) IN SPECIAL INSTRUCTIONS, PCBs - 8082, SEE ITEM (3) IN SPECIAL INSTRUCTIONS, SEE ITEM (4) IN SPECIAL INSTRUCTIONS, SEE ITEM (5) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS	PCBs - 8082	SEE ITEM (3) IN SPECIAL INSTRUCTIONS	SEE ITEM (4) IN SPECIAL INSTRUCTIONS	SEE ITEM (5) IN SPECIAL INSTRUCTIONS
B1TDC4 <i>w/86200628</i>	SOIL	3-4-08	1350	✓	✓	✓	✓	✓	✓

ICED
ICED

Lot# *024825*

CHAIN OF POSSESSION	SIGN/ PRINT NAMES	SPECIAL INSTRUCTIONS
RELINQUISHED BY/REMOVED FROM <i>Chris Fulton</i>	RECEIVED BY/STORED IN <i>MO 509 Fridge</i>	** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.
DATE/TIME <i>3-4-08 1500</i>	DATE/TIME <i>3-4-08 1500</i>	(1) Semi-VOA - 8279B (Add-On) {1,2,4-Trimethylbenzene, Tributyl phosphate}
RELINQUISHED BY/REMOVED FROM <i>MO 509 Fridge</i>	RECEIVED BY/STORED IN <i>Kevin Patterson</i>	(2) TPH-Diesel/Kerosene Range - WTPH-D {Total petroleum hydrocarbons - diesel range, Total petroleum hydrocarbons - kerosene range}
DATE/TIME <i>3/1/08 1240</i>	DATE/TIME <i>3/1/08 1230</i>	(3) ICP/MS - 200.8 (TAL) {Barium, Cadmium, Chromium, Copper, Nickel, Silver, Zinc}
RELINQUISHED BY/REMOVED FROM <i>Kevin Patterson</i>	RECEIVED BY/STORED IN <i>Fluor Hanford</i>	ICP/MS - 200.8 (Add-on) {Arsenic, Beryllium, Lead, Selenium} 200.8_HG - ICPMS;
DATE/TIME <i>3/1/08 13:30</i>	DATE/TIME <i>3/1/08 13:30</i>	(4) IC Anions - 300.0 {Fluoride, Nitrogen in Nitrate, Nitrogen in Nitrite, Sulfate}
RELINQUISHED BY/REMOVED FROM	RECEIVED BY/STORED IN	(5) Gamma Spectroscopy {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155, Radium-226} Gamma Spec - Add-on {Niobium-94, Radium-228}
RELINQUISHED BY/REMOVED FROM	RECEIVED BY/STORED IN	Isotopic Pranium; Neptunium-237; Strontium-89,90 -- Total Sr; Isotopic Plutonium;
RELINQUISHED BY/REMOVED FROM	RECEIVED BY/STORED IN	Americium-241 {Americium-241}

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

69 of 80

COLLECTOR
NCO Sampler
SAMPLING LOCATION
C5941, I-002
ICE CHEST NO.

P. P. K.

COMPANY CONTACT
TRENT, SJ

TELEPHONE NO.
373-5869

PROJECT COORDINATOR
WIDRIG, DL

PRICE CODE 8N

DATA TURNAROUND
45 Days / 45 Days

PROJECT DESIGNATION
216-A-30 Crib Sampling

SAF NO.
F08-043

AIR QUALITY

FIELD LOGBOOK NO.

ACTUAL SAMPLE DEPTH
4.8' - 6.5' 7.3'
11/3-5-08

COA
12321SES20

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=Vegetation
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 B1TDB5

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

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME						
B1TDC7-4086200670	SOIL	3-5-08	1020	X	X	X	X	X	X

ICED

LUT# 024875

CHAIN OF POSSESSION	SIGN/ PRINT NAMES	SPECIAL INSTRUCTIONS
RELINQUISHED BY/REMOVED FROM <i>J.S. Pope / ASH 3-5-08</i>	DATE/TIME 1142	RECEIVED BY/STORED IN <i>site RMA Ridge 3-5-08</i>
RELINQUISHED BY/REMOVED FROM <i>MOSBY FRIDGE</i>	DATE/TIME 2/17/08 123	RECEIVED BY/STORED IN <i>Kevin Patterson</i>
RELINQUISHED BY/REMOVED FROM <i>Fluor Hanford</i>	DATE/TIME 2/17/08 13130	RECEIVED BY/STORED IN <i>Fluor Hanford</i>
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN

SPECIAL INSTRUCTIONS

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

(1)Semi-VOA - 8270B (Add-On) {1,2,4-Trimethylbenzene, Tributyl phosphate}

(2)TPH-DieselKerosene Range - WTPH-D {Total petroleum hydrocarbons - diesel range, Total petroleum hydrocarbons - kerosene range}

(3)ICP/MS - 200.8 (TAL) {Barium, Cadmium, Chromium, Copper, Nickel, Silver, Zinc}

(4)ICP/MS - 200.8 (Add-on) {Arsenic, Beryllium, Lead, Selenium} 200.8_HG - ICPMS;

(5)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}

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

70 of 80

COLLECTOR NCO Sampler <i>POPE</i>	COMPANY CONTACT TRENT, SJ	TELEPHONE NO. 373-5869	PROJECT COORDINATOR WIDRIG, DL	PRICE CODE 8N	DATA TURNAROUND 45 Days / 45 Days
SAMPLING LOCATION C5941, I-002-D	PROJECT DESIGNATION 216-A-30 Crib Sampling	SAF NO. F08-043	AIR QUALITY <input type="checkbox"/>		
ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH 4.8' - 7.3'	COA 123215ES20	METHOD OF SHIPMENT GOVERNMENT VEHICLE	
SHIPPED TO Waste Sampling & Characterization	OFFSITE PROPERTY NO. N/A	BILL OF LADING/AIR BILL NO. N/A			

MATRIX*	POSSIBLE SAMPLE HAZARDS/ REMARKS	PRESERVATION	Cool-4C	Cool-4C	Cool-4C	Cool-4C	Cool-4C	None
			None	None	None	None	None	None
A=Air DL=Drum Liquids DS=Drum Solids L=Liquid O=Oil S=Soil SE=Sediment T=Tissue V=Vegetation W=Water WI=Wipe X=Other	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)	TYPE OF CONTAINER	g	g	g	G/P	G/P	Square Bottle - Poly
		NO. OF CONTAINER(S)	1	1	1	1	1	1
		VOLUME	120ml	120ml	120ml	120ml	120ml	500ml
	SPECIAL HANDLING AND/OR STORAGE Radioactive tie to B1TDB5	SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS	PCBs - 8082;	SEE ITEM (3) IN SPECIAL INSTRUCTIONS	SEE ITEM (4) IN SPECIAL INSTRUCTIONS	SEE ITEM (5) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME							
B1TDD0	soil	3-5-08	1620	X	X	X	X	X	X	

Lot # 024875

ICED

CHAIN OF POSSESSION	DATE/TIME	SIGN/ PRINT NAMES	DATE/TIME
RELINQUISHED BY/REMOVED FROM <i>J. POPE</i>	3-5-08 1152	RECEIVED BY/STORED IN <i>Site Room</i>	3-5-08 1152
RELINQUISHED BY/REMOVED FROM <i>NO. 503 Fridge</i>	3/17/08 1230	RECEIVED BY/STORED IN <i>Kevin Patten</i>	3/17/08 1230
RELINQUISHED BY/REMOVED FROM <i>Kevin Patten</i>	3/17/08 1330	RECEIVED BY/STORED IN <i>Fluor Hanford</i>	3/17/08 1330
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

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

(1) Semi-VOA - 8270B (Add-On) {1,2,4-Trimethylbenzene, Tributyl phosphate}

(2) TPH-Diesel/Kerosene Range - WTPH-D {Total petroleum hydrocarbons - diesel range, Total petroleum hydrocarbons - kerosene range}

(3) ICP/MS - 200.8 (TAL) {Barium, Cadmium, Chromium, Copper, Nickel, Silver, Zinc}

(4) 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}

(5) 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}

LABORATORY SECTION	RECEIVED BY	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DATE/TIME

71 of 80

COLLECTOR NCO Sampler F. Han	COMPANY CONTACT TRENT, SJ	TELEPHONE NO. 373-5869	PROJECT COORDINATOR WIDRIG, DL	PRICE CODE 8N	DATA TURNAROUND 45 Days / 45 Days
SAMPLING LOCATION C5941, I-001	PROJECT DESIGNATION 216-A-30 Crib Sampling	SAF NO. F08-043	AIR QUALITY <input type="checkbox"/>		
ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH 2.3 - 4.8	COA 123215ES20	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=Vegetation 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)	PRESERVATION Cool~4C	TYPE OF CONTAINER aGs*	NO. OF CONTAINER(S) 1	VOLUME 40ml	SAMPLE ANALYSIS SEE ITEM (1) IN SPECIAL INSTRUCTIONS
SPECIAL HANDLING AND/OR STORAGE Radioactive tie to B1TDB4						

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME						
B1TDC3	W08620633 SOIL	3-4-08	1300	✓					

LOT # B.6216050

CHAIN OF POSSESSION		SIGN/ PRINT NAMES		SPECIAL INSTRUCTIONS			
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF. (1)VOA - 5035/8260 (TCL); VOA - 5035/8260 - (Add-On) {Acetonitrile, Hexane, Tetrahydrofuran}			
Chris Kuttan	3-4-08 1500	Mu Soe Kreeg	3-4-08 1500				
MOSD9	3/17/08 1230	Kevin Patterson	3/17/08 230				
Fluor Hanford	3/17/08 13:30	Victor Sims	3/17/08 13:30				
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				

ICED

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

72 of 80

COLLECTOR NCO Sampler <i>POPE</i>	COMPANY CONTACT TRENT, SJ	TELEPHONE NO. 373-5869	PROJECT COORDINATOR WIDRIG, DL	PRICE CODE 8N	DATA TURNAROUND 45 Days / 45 Days
SAMPLING LOCATION C5941, I-002	PROJECT DESIGNATION 216-A-30 Crib Sampling	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH <i>4.8' - 6.3'</i>	SAF NO. F08-043	AIR QUALITY <input type="checkbox"/>
ICE CHEST NO.	OFFSITE PROPERTY NO. N/A	BILL OF LADING/AIR BILL NO. N/A	COA 123215ES20	METHOD OF SHIPMENT GOVERNMENT VEHICLE	
SHIPPED TO Waste Sampling & Characterization	PRESERVATION Cool-4C		MATRIX* A=Air DL=Drum Liquids DS=Drum Solids L=Liquid O=Oil S=Soil SE=Sediment T=Tissue V=Vegetation W=Water WI=Wipe X=Other		

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

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

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1TDB5

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME											
B1TDC6	SOIL	3-5-08	1020	X										

LOT# B6215060

CHAIN OF POSSESSION		SIGN/ PRINT NAMES		DATE/TIME	
RELINQUISHED BY/REMOVED FROM <i>J.S. POPE</i>	DATE/TIME <i>3-5-08</i>	RECEIVED BY/STORED IN <i>Site RMA Bridge</i>	DATE/TIME <i>3-5-08</i>	RELINQUISHED BY/REMOVED FROM <i>Kevin Patterson</i>	DATE/TIME <i>3/7/08 12:30</i>
RELINQUISHED BY/REMOVED FROM <i>Kevin Patterson</i>	DATE/TIME <i>3/7/08 13:50</i>	RECEIVED BY/STORED IN <i>Fluor Hanford</i>	DATE/TIME <i>3/7/08 12:30</i>	RELINQUISHED BY/REMOVED FROM <i>Kevin Patterson</i>	DATE/TIME <i>3/7/08 13:50</i>
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	RELINQUISHED BY/REMOVED FROM	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	RELINQUISHED BY/REMOVED FROM	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	RELINQUISHED BY/REMOVED FROM	DATE/TIME

SPECIAL INSTRUCTIONS
** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.
(1)VOA - 5035/8260 (TCL); VOA - 5035/8260 - (Add-On) {Acetonitrile, Hexane, Tetrahydrofuran}

ICED

73 OF 80

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

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 C5941, I-002-D	PROJECT DESIGNATION 216-A-30 Crib Sampling	SAF NO. F08-043	AIR QUALITY <input type="checkbox"/>		
ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH 4.8' - 7.3'	COA 123215ES20	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=Vegetation 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)	PRESERVATION Cool~4C	TYPE OF CONTAINER aGs*	NO. OF CONTAINER(S) 1	VOLUME 40ml	SPECIAL HANDLING AND/OR STORAGE Radioactive tie to B1TDB5	SAMPLE ANALYSIS SEE ITEM (1) IN SPECIAL INSTRUCTIONS
--	--	-------------------------	---------------------------	--------------------------	----------------	--	---

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME											
B1TDC9	SOIL	3-5-68	1020	X										

Lot# B6219060

CHAIN OF POSSESSION		SIGN/ PRINT NAMES		SPECIAL INSTRUCTIONS	
RELINQUISHED BY/REMOVED FROM J.S. [Signature]	DATE/TIME 3-5-68 1152	RECEIVED BY/STORED IN Site Rma Frige	DATE/TIME 3-5-68 1152	** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF. (1)VOA - 5035/8260 (TCL); VOA - 5035/8260 - (Add-On) {Acetonitrile, Hexane, Tetrahydrofuran}	
RELINQUISHED BY/REMOVED FROM MOSOS Frige	DATE/TIME 3/17/68 1230	RECEIVED BY/STORED IN Kevin Patters	DATE/TIME 3/17/68 1230		
RELINQUISHED BY/REMOVED FROM Kevin Patters	DATE/TIME 3/17/68 1330	RECEIVED BY/STORED IN Fluor Hanford	DATE/TIME 3/17/68 1330		
RELINQUISHED BY/REMOVED FROM Fluor Hanford	DATE/TIME	RECEIVED BY/STORED IN T A Frazier	DATE/TIME 3/17/68 1330		
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME		
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	ICED	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME		
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME		

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

74 of 80

COLLECTOR NCO Sampler <i>Fulton</i>	COMPANY CONTACT TRENT, SJ	TELEPHONE NO. 373-5869	PROJECT COORDINATOR WIDRIG, DL	PRICE CODE SN	DATA TURNAROUND 45 Days / 45 Days
SAMPLING LOCATION C5941, I-001	PROJECT DESIGNATION 216-A-30 Crib Sampling	FIELD LOGBOOK NO.	SAF NO. F08-043	AIR QUALITY <input type="checkbox"/>	
ICE CHEST NO.	OFFSITE PROPERTY NO. N/A	ACTUAL SAMPLE DEPTH <i>2'-3-4.9'</i>	COA 123215E520	METHOD OF SHIPMENT GOVERNMENT VEHICLE	
SHIPPED TO Waste Sampling & Characterization	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=Vegetation 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)	PRESERVATION Cool <-7C and >-20C	MEOH/Cool~4 C						
		TYPE OF CONTAINER aGs*	aGs*						
		NO. OF CONTAINER(S) 5	3						
		VOLUME 40ml	40ml						
	SPECIAL HANDLING AND/OR STORAGE Radioactive tie to B1TDB4	SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS					

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME							
B1TDC2 <i>W086200636</i>	SOIL	<i>3-4-08</i>	<i>1350</i>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>					

Lot # B 6246050

CHAIN OF POSSESSION	DATE/TIME	SIGN/ PRINT NAMES	DATE/TIME
RELINQUISHED BY/REMOVED FROM <i>Chris Fulton</i>	<i>3-4-08 1500</i>	RECEIVED BY/STORED IN <i>MUSOA Freezer</i>	<i>3-4-08 1500</i>
RELINQUISHED BY/REMOVED FROM <i>MOSAR FRIDGE</i>	<i>3/17/08 1230</i>	RECEIVED BY/STORED IN <i>Kevin Patterson</i>	<i>3/17/08 1230</i>
RELINQUISHED BY/REMOVED FROM <i>Kevin Patterson</i>	<i>3/17/08 13130</i>	RECEIVED BY/STORED IN <i>Fluor Hanford</i>	<i>3/17/08 13130</i>
RELINQUISHED BY/REMOVED FROM		RECEIVED BY/STORED IN	
RELINQUISHED BY/REMOVED FROM		RECEIVED BY/STORED IN	
RELINQUISHED BY/REMOVED FROM		RECEIVED BY/STORED IN	

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS
P = Sample for moisture only

ICED

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

75 of 80

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 C5941, I-001	PROJECT DESIGNATION 216-A-30 Crib Sampling		SAF NO. F08-043	AIR QUALITY <input type="checkbox"/>	
ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA 123215E520	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}

ICED

COLLECTOR NCO Sampler <i>PdPE</i>	COMPANY CONTACT TRENT, SJ	TELEPHONE NO. 373-5869	PROJECT COORDINATOR WIDRIG, DL	PRICE CODE 8N	DATA TURNAROUND 45 Days / 45 Days
SAMPLING LOCATION C5941, I-002	PROJECT DESIGNATION 216-A-30 Crib Sampling	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH 4.8'-7.3'	SAF NO. F08-043	AIR QUALITY <input type="checkbox"/>
ICE CHEST NO.	OFFSITE PROPERTY NO. N/A	BILL OF LADING/AIR BILL NO. N/A	COA 123215ES20	METHOD OF SHIPMENT GOVERNMENT VEHICLE	
SHIPPED TO Waste Sampling & Characterization					

MATRIX* A=Air DL=Drum L=Liquid DS=Drum S=Soil SE=Sediment T=Tissue V=Vegetation 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)	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
SPECIAL HANDLING AND/OR STORAGE Radioactive tie to BITDB5			

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME						
BITDC5	wsg620237 SOIL	3-5-08	1020	X	X				

LOT# B 6215060

CHAIN OF POSSESSION		SIGN/ PRINT NAMES		SPECIAL INSTRUCTIONS
RELINQUISHED BY/REMOVED FROM <i>J. PdPE</i>	DATE/TIME 3-5-08	RECEIVED BY/STORED IN <i>Site Anna</i>	DATE/TIME 3-5-08	SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS <i>P - NO SPIN BARS (MOISTURE CONTENT)</i>
RELINQUISHED BY/REMOVED FROM <i>MOSBY Fridge</i>	DATE/TIME 3/7/08 1230	RECEIVED BY/STORED IN <i>Kevin Patterson</i>	DATE/TIME 3/7/08 1230	
RELINQUISHED BY/REMOVED FROM <i>Kevin Patterson</i>	DATE/TIME 3/7/08 13:30	RECEIVED BY/STORED IN <i>Victor Sims</i>	DATE/TIME 3/7/08 13:30	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	

ICED

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

77 of 80

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 C5941, I-002	PROJECT DESIGNATION 216-A-30 Crib Sampling		SAF NO. F08-043	AIR QUALITY <input type="checkbox"/>	
ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA 123215ES20	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}

ICED

COLLECTOR NCO Sampler <i>POPE</i>	COMPANY CONTACT TRENT, SJ	TELEPHONE NO. 373-5869	PROJECT COORDINATOR WIDRIG, DL	PRICE CODE 8N	DATA TURNAROUND 45 Days / 45 Days
SAMPLING LOCATION C5941, I-002-D	PROJECT DESIGNATION 216-A-30 Crib Sampling	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH 4.8' - 5.3'	SAF NO. F08-043	AIR QUALITY <input type="checkbox"/>
ICE CHEST NO.	OFFSITE PROPERTY NO. N/A	BILL OF LADING/AIR BILL NO. N/A	COA 123215ES20	METHOD OF SHIPMENT GOVERNMENT VEHICLE	
SHIPPED TO Waste Sampling & Characterization					

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

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that 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 B1TD85

PRESERVATION	Cool <-7C and >-20C	MEOH/Cool=-4 C
TYPE OF CONTAINER	aGs*	8Gs*
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							
B1TDC8	W08620638 SOIL	3-5-08	1020	X	X					

Lot # B6215060

CHAIN OF POSSESSION	DATE/TIME	SIGN/ PRINT NAMES	DATE/TIME
RELINQUISHED BY/REMOVED FROM <i>J.F. POPE</i>	<i>3-5-08 1152</i>	RECEIVED BY/STORED IN <i>Site Room Pro 30</i>	<i>3-5-08 1152</i>
RELINQUISHED BY/REMOVED FROM <i>MO509</i>	<i>3/17/08 1230</i>	RECEIVED BY/STORED IN <i>Kevin Patterson</i>	<i>3/17/08 1230</i>
RELINQUISHED BY/REMOVED FROM <i>Kevin Patterson</i>	<i>3/17/08 1320</i>	RECEIVED BY/STORED IN <i>Fluor Hanford</i>	<i>3/17/08 1330</i>
RELINQUISHED BY/REMOVED FROM		RECEIVED BY/STORED IN <i>T A Frazier</i>	
RELINQUISHED BY/REMOVED FROM		RECEIVED BY/STORED IN	
RELINQUISHED BY/REMOVED FROM		RECEIVED BY/STORED IN	
RELINQUISHED BY/REMOVED FROM		RECEIVED BY/STORED IN	

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS
N + P - NO SPIN BARS
P - MOISTURE CONTENT

ICED

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

79 of 80

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 C5941, 1-002-D	PROJECT DESIGNATION 216-A-30 Crib Sampling		SAF NO. F08-043	AIR QUALITY <input type="checkbox"/>	
ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA 123215ES20	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}

ICED