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RECEIVED MARCH 10, 2009

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FLUOR®

M4W41-SLF-09-118

March 10, 2009

Mr. M. A. Neely, Manager
Analytical Services
CH2M HILL Plateau Remediation Contract
PO Box 1600 MSIN R3-60
Richland, WA 99352

Dear Mike:

FINAL RESULTS FOR SAMPLE DELIVERY GROUP WSCF20090122 – SAF NUMBER F09-007

Reference: (1) Memorandum of Agreement #MOA-FH-CHPRC-2008, Rev. 0, for the Performance & Payment of Services, dated October 1, 2008

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

This letter contains the following attachments for sample delivery group WSCF20090122:

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

Very truly yours,

S. L. Fitzgerald
WSCF Analytical Lab

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JUN 11 2009
EDMC

SLF/grf

Attachments 5

cc: w/Attachments

T. F. Dale	S3-30	J. E. Trechter	S3-30
A. J. Kopriva	S3-30	S. J. Trent	R3-50
H. K. Meznarich	S3-30	File/LB	
P. D. Mix	S3-30		

M4W41-SLF-09-118

ATTACHMENT 1

COVER SHEET

Consisting of 2 pages
Including cover page

WSCF SAF NUMBER CROSS REFERENCE

Group#: WSCF20090122
Data Deliverable Date: 19-mar-2009
Data Deliverable: Cover Sheet

SAF#	Sample ID	WSCF#	Matrix
F09-007	B1YDF0	W09GR00101	SOIL
	B1YDF2	W09GR00103	SOIL
	B1YDF4	W09GR00104	SOIL
	B1YDF6	W09GR00110	SOIL
	B1YDF8	W09GR00105	SOIL
	B1YDH0	W09GR00111	SOIL
	B1YDH2	W09GR00106	SOIL
	B1YDH4	W09GR00112	SOIL

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ATTACHMENT 2

NARRATIVE

Consisting of 4 pages
Including cover page

Introduction

Sixteen (16) S&GRP samples were received at the WSCF Laboratory on February 3, 2009. Eight of the samples were analyzed for the analytes indicated on the attached copy of the chain of custody (COC) form in accordance with the *Memorandum of Agreement (MOA-FH-CHPRC-2008, Rev.0),* referenced in the cover letter. The high VOA concentration samples along with the associated Methanol Blanks were not analyzed.

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. In addition, a copy of the sample record sheet is included as Attachment 5.

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

Analytical Methodology for Requested Analyses

Refer to *WSCF Method References Report,* pages 13 through 15, for a complete listing of approved analytical methods.

Inorganic Comments

Anions – Hold time requirements for this analysis were met. A Duplicate, Matrix Spike, Matrix Spike Duplicate, Blank and Laboratory Control Sample were analyzed with this delivery group. See pages 20 through 21 for QC details. Analytical Note(s):

- 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.
- Duplicate, Matrix Spike and Matrix Spike Duplicate were analyzed on sample# B1YDJ0 (SDG# 20090129, SAF# F09-007).

All QC controls are within the established limits.

ICP-AES Metals – The hold time requirements for this analysis were met. A Matrix Spike, Matrix Spike Duplicate, Blank and Laboratory Control Sample were analyzed with this delivery group. See page 22 for QC details. Analytical Note(s):

- Matrix Spike and Matrix Spike Duplicate were analyzed on sample# B1YDD6 (SDG# 20090114, SAF# F09-007).

- Iron and Magnesium – sample concentrations exceeded spiking levels by a factor of 4. Spike recoveries are not valid. Check standard was analyzed to ensure linearity, because sample results were greater than the calibration standard.

All other QC controls are within the established limits.

ICP-MS Metals – The hold time requirements for this analysis were met. A Matrix Spike, Matrix Spike Duplicate, Blank and Laboratory Control Sample were analyzed with this delivery group. See page 23 for QC details. Analytical Note(s):

- Matrix Spike and Matrix Spike Duplicate were analyzed on sample# B1YDD6 (SDG# 20090114, SAF# F09-007).

All QC controls are within the established limits.

Percent Solids - Percent solids were performed for organic analyses result correction.

Organic Comments

- Sample results are moisture corrected and reported on dry weight basis.

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. See pages 47 through 52 for QC details. Analytical Note(s):

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

- Terphenyl-d14 (Surrogate) – Laboratory Control Sample recovery slightly exceeded established laboratory 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 53 for QC details. Analytical Note(s):

- The diesel results reported on the sample material are similar to the diesel standard chromatogram. However, the hydrocarbon pattern is slightly heavier in average molecular weight and volatility than the standard.

All QC controls are within the established limits.

VOA – The hold time requirement for this analysis was met. A Matrix Spike, Matrix Spike Duplicate, Blank and Laboratory Control Sample, were analyzed with this delivery group. See pages 54 through 57 for QC details. Analytical Note(s):

- The high VOA concentration samples along with the associated Methanol Blanks were not analyzed.

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

- Matrix Spike and Matrix Spike Duplicate were analyzed on sample# B1YDD8 (SDG# 20090114, SAF# F09-007).

All QC controls are within the established limits.

Radiochemistry Comments

Rad Chem – There are no hold times associated with WSCF's radiochemical methods. A Duplicate, Blank and Laboratory Control Sample were analyzed with this delivery group. See pages 67 through 68 for QC details. Analytical Note(s):

- The Relative Percent Difference (RPD) criterion does not apply to results near or below the minimum detectable activity.

All QC controls are within the established limits.

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

Scot L. Fitzgerald
WSCF Analytical Laboratory Manager

Pauline D. Mix
WSCF Client Services

M4W41-SLF-09-118

ATTACHMENT 3

ANALYTICAL RESULTS

Consisting of 61 pages
Including cover page

WSCF
ANALYTICAL RESULTS REPORT

for

Groundwater Remediation Program

Richland, WA 99354

Attention: Steve Trent

Analytical: S. Fitzgerald 3/10/09

Client Services: P.D. Mix 3/10/2009

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

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Contract#: MOA-FH-CHPRC-2008
Report#: WSCF20090122
Report Date: 9-mar-2009
Report WGPP/ver. 5.2
Groundwater Remediation Program

w13qlog v4.2 09-mar-2009 13:15:43

Department: Inorganic

W13q Worklist/Batch/QC Report for Group# WSCF20090122

WL#	S#	Batch	QC#	Tray Type	Sample#	Test
				SAMPLE	W09GR00101	Percent Solids
				SAMPLE	W09GR00104	Percent Solids
				SAMPLE	W09GR00105	Percent Solids
				SAMPLE	W09GR00106	Percent Solids
39198	1	39616	44152	BLANK		ICP Metals Analysis, Grd H20 P
39198	2	39616	44152	LCS		ICP Metals Analysis, Grd H20 P
39198	4	39616	44152	MS	W09GR00091	ICP Metals Analysis, Grd H20 P
39198	5	39616	44152	MSD	W09GR00091	ICP Metals Analysis, Grd H20 P
39198	5	39616	44152	SPK-RPD	W09GR00091	ICP Metals Analysis, Grd H20 P
39198	3	39616	44152	SAMPLE	W09GR00101	ICP Metals Analysis, Grd H20 P
39198	6	39616	44152	SAMPLE	W09GR00104	ICP Metals Analysis, Grd H20 P
39198	7	39616	44152	SAMPLE	W09GR00105	ICP Metals Analysis, Grd H20 P
39198	8	39616	44152	SAMPLE	W09GR00106	ICP Metals Analysis, Grd H20 P
39219	1	39637	44192	BLANK		ICP-200.8 MS All possible meta
39219	2	39637	44192	LCS		ICP-200.8 MS All possible meta
39219	5	39637	44192	MS	W09GR00091	ICP-200.8 MS All possible meta
39219	6	39637	44192	MSD	W09GR00091	ICP-200.8 MS All possible meta
39219	6	39637	44192	SPK-RPD	W09GR00091	ICP-200.8 MS All possible meta
39219	7	39637	44192	SAMPLE	W09GR00101	ICP-200.8 MS All possible meta
39219	8	39637	44192	SAMPLE	W09GR00104	ICP-200.8 MS All possible meta
39219	9	39637	44192	SAMPLE	W09GR00105	ICP-200.8 MS All possible meta
39219	10	39637	44192	SAMPLE	W09GR00106	ICP-200.8 MS All possible meta
39222	2	39640	44195	BLANK		Anions by Ion Chromatography
39222	17	39640	44195	BLANK		Anions by Ion Chromatography
39222	3	39640	44195	LCS		Anions by Ion Chromatography
39222	9	39640	44195	SAMPLE	W09GR00101	Anions by Ion Chromatography
39222	10	39640	44195	SAMPLE	W09GR00104	Anions by Ion Chromatography
39222	11	39640	44195	SAMPLE	W09GR00105	Anions by Ion Chromatography
39222	12	39640	44195	SAMPLE	W09GR00106	Anions by Ion Chromatography
39222	5	39640	44195	DUP	W09GR00124	Anions by Ion Chromatography
39222	6	39640	44195	MS	W09GR00124	Anions by Ion Chromatography
39222	7	39640	44195	MSD	W09GR00124	Anions by Ion Chromatography
39222	7	39640	44195	SPK-RPD	W09GR00124	Anions by Ion Chromatography

w13qlog v4.2 09-mar-2009 13:15:43

Department: Organic

W13q Worklist/Batch/QC Report for Group# WSCF20090122

WL#	S#	Batch	QC#	Tray Type	Sample#	Test
			44196	BLANK		SW-846 8270C Semi-Vols
			44196	LCS		SW-846 8270C Semi-Vols
			44196	MS	W09GR00101	SW-846 8270C Semi-Vols
			44196	MSD	W09GR00101	SW-846 8270C Semi-Vols
			44196	SAMPLE	W09GR00101	SW-846 8270C Semi-Vols
			44196	SPK-RPD	W09GR00101	SW-846 8270C Semi-Vols
			44196	SURR	W09GR00101	SW-846 8270C Semi-Vols
			44196	SAMPLE	W09GR00104	SW-846 8270C Semi-Vols
			44196	SURR	W09GR00104	SW-846 8270C Semi-Vols
			44196	SAMPLE	W09GR00105	SW-846 8270C Semi-Vols
			44196	SURR	W09GR00105	SW-846 8270C Semi-Vols
			44196	SAMPLE	W09GR00106	SW-846 8270C Semi-Vols
			44196	SURR	W09GR00106	SW-846 8270C Semi-Vols
			44220	BLANK		NWTPH-D TPH Diesel Range (Wa)
			44220	LCS		NWTPH-D TPH Diesel Range (Wa)
			44220	MS	W09GR00101	NWTPH-D TPH Diesel Range (Wa)
			44220	MSD	W09GR00101	NWTPH-D TPH Diesel Range (Wa)
			44220	SAMPLE	W09GR00101	NWTPH-D TPH Diesel Range (Wa)
			44220	SPK-RPD	W09GR00101	NWTPH-D TPH Diesel Range (Wa)
			44220	SURR	W09GR00101	NWTPH-D TPH Diesel Range (Wa)
			44220	SAMPLE	W09GR00104	NWTPH-D TPH Diesel Range (Wa)
			44220	SURR	W09GR00104	NWTPH-D TPH Diesel Range (Wa)
			44220	SAMPLE	W09GR00105	NWTPH-D TPH Diesel Range (Wa)
			44220	SURR	W09GR00105	NWTPH-D TPH Diesel Range (Wa)
			44220	SAMPLE	W09GR00106	NWTPH-D TPH Diesel Range (Wa)
			44220	SURR	W09GR00106	NWTPH-D TPH Diesel Range (Wa)
			44269	BLANK		VOA Ground Water Protection
			44269	LCS		VOA Ground Water Protection
			44269	MS	W09GR00093	VOA Ground Water Protection
			44269	MSD	W09GR00093	VOA Ground Water Protection
			44269	SPK-RPD	W09GR00093	VOA Ground Water Protection
			44269	SAMPLE	W09GR00103	VOA Ground Water Protection
			44269	SURR	W09GR00103	VOA Ground Water Protection
			44269	SAMPLE	W09GR00110	VOA Ground Water Protection
			44269	SURR	W09GR00110	VOA Ground Water Protection
			44269	SAMPLE	W09GR00111	VOA Ground Water Protection
			44269	SURR	W09GR00111	VOA Ground Water Protection
			44269	SAMPLE	W09GR00112	VOA Ground Water Protection
			44269	SURR	W09GR00112	VOA Ground Water Protection

w13qlog v4.2 09-mar-2009 13:15:43

Department: Radiochemistry

W13q Worklist/Batch/QC Report for Group# WSCF20090122

WL#	S#	Batch	QC#	Tray Type	Sample#	Test
39193	1	39611	44166	BLANK		Gamma Energy Analysis-grd H2O
39193	2	39611	44166	LCS		Gamma Energy Analysis-grd H2O
39193	3	39611	44166	DUP	W09GR00101	Gamma Energy Analysis-grd H2O
39193	4	39611	44166	SAMPLE	W09GR00101	Gamma Energy Analysis-grd H2O
39193	5	39611	44166	SAMPLE	W09GR00104	Gamma Energy Analysis-grd H2O
39193	6	39611	44166	SAMPLE	W09GR00105	Gamma Energy Analysis-grd H2O
39193	7	39611	44166	SAMPLE	W09GR00106	Gamma Energy Analysis-grd H2O
39239	1	39657	44245	BLANK		Strontium 89/90
39239	2	39657	44245	LCS		Strontium 89/90
39239	3	39657	44245	DUP	W09GR00101	Strontium 89/90
39239	4	39657	44245	SAMPLE	W09GR00101	Strontium 89/90
39239	5	39657	44245	SURR	W09GR00101	Strontium 89/90
39239	6	39657	44245	SAMPLE	W09GR00104	Strontium 89/90
39239	7	39657	44245	SURR	W09GR00104	Strontium 89/90
39239	8	39657	44245	SAMPLE	W09GR00105	Strontium 89/90
39239	9	39657	44245	SURR	W09GR00105	Strontium 89/90
39239	10	39657	44245	SAMPLE	W09GR00106	Strontium 89/90
39239	11	39657	44245	SURR	W09GR00106	Strontium 89/90

WSCF
METHOD REFERENCES REPORT

Department: Inorganic

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

LA-505-411	LA-505-411: ELEMENTAL ANALYSIS BY INDUCTIVELY COUPLED PLASMA ATOMIC EMISSION SPE	
	HEIS 6010_METALS_ICP	Inductively Coupled Plasma-Atomic Emmision Spectrometry
LA-505-412	LA-505-412: DETERMINATION OF TRACE ELEMENTS IN WATERS AND WASTES BY INDUCTIVELY	
	EPA-600/R-94-111 200.8	DETERMINATION OF TRACE ELEMENTS IN WATERS AND WASTES BY INDUCTIVELY COUPLED PLAS
	HEIS 200.8_METALS_ICPMS	Inductively Coupled Plasma - Mass Spectrometry
	HEIS RADISOTOPES_ICPMS	Radioisotopes by ICP/MS
LA-519-412	LA-519-412: TOTAL RESIDUE/% SOLIDS DRIED AT 103 - 105 C	
	EPA-600/4-79-020 160.1	Resisual, Filterable
	EPA-600/4-79-020 160.3	RESIDUE, TOTAL
	HEIS 160.1_TDS	Residual, Filterable
	Standard Methods 2540B	Total Solids Dried at 103-105 C
LA-533-410	LA-533-410: ANION ANALYSIS BY ION CHROMATOGRAPHY	
	EPA-600/R-94-111 300.0	DETERMINATION OF INORGANIC ANIONS BY ION CHROMATOGRAPHY
	HEIS 300.0_ANIONS_IC	Determination of Inorganic Anions by Ion Chromatography

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

WSCF
METHOD REFERENCES REPORT

Department: Organic

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

LA-523-455	LA-523-455: VOLATILE SAMPLE ANALYSIS BY SW-846	
	EPA SW-846 8000B	DETERMINATIVE CHROMATOGRAPHIC SEPARATIONS
	EPA SW-846 8260B	VOLATILE ORGANIC COMPOUNDS BY GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC/MS)
	HEIS 8260_VOA_GCMS	Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)
LA-523-456	LA-523-456: SEMIVOLATILE SAMPLE ANALYSIS BY SW-846, METHOD 8270C	
	EPA SW-846 8000B	DETERMINATIVE CHROMATOGRAPHIC SEPARATIONS
	EPA SW-846 8270C	SEMIVOLATILE ORGANIC COMPOUNDS BY GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC/MS)
	HEIS 8270_SVOA_GCMS	Semivolatile Orgamoc Compounds By Gas Chromatography/Mass Spectrometry (GC/MS)
LA-523-493	NWTPH-Diesel and/or Gasoline	
	HEIS WTPH_DIESEL (HEIS)	Total Petroleum Hydrocarbons in Diesel
	WDOE TPHD	Total Petroleum Hydrocarbons in Diesel

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

WSCF
METHOD REFERENCES REPORT

Department: Radiochemistry

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

LA-508-415 LA-508-415: OPERATION OF THE PROTEAN 2-INCH ALPHA/BETA COUNTING SYSTEM FOR GROSS

HEIS	**ALPHA_GPC**	GROSS ALPHA GPC
HEIS	**BETA_GPC**	GROSS BETA GPC
HEIS	**SRTOT_SEP_PRECIP_GPC**	Strontium 89/90

LA-508-481 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: F09-007
Sample # W09GR00101
Client ID: B1YDF0 GPP WSCF

Matrix: SOIL

Group #: WSCF20090122
Department: Inorganic
Sampled: 02/02/09
Received: 02/03/09

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
Anions by Ion Chromatography Prep											**02/12/09**
Anions by Ion Chromatography											
Nitrogen in Nitrite	NO2-N	LA-533-410	DU	< 0.490	mg/kg			49.00	0.49		02/12/09
Nitrogen in Nitrate	NO3-N	LA-533-410	BD	1.22	mg/kg			49.00	0.24		02/12/09
Phosphate (P) by IC	PO4-P	LA-533-410	DU	< 1.96	mg/kg			49.00	2.0		02/12/09
Sulfate	14808-79-8	LA-533-410	D	64.1	mg/kg			49.00	3.4		02/12/09
ICP Metals Analysis, Grd H20 P Prep											**02/04/09**
ICP Metals Analysis, Grd H20 P											
Iron	7439-89-6	LA-505-411		1.58e+04	mg/kg			98.08	2.5		02/04/09
Magnesium	7439-95-4	LA-505-411		3.85e+03	mg/kg			98.08	4.9		02/04/09
ICP-200.8 MS All possible meta Prep											**02/12/09**
ICP-200.8 MS All possible meta											
Manganese	7439-96-5	LA-505-412		165	mg/kg			0.99	0.0986		02/12/09
Nickel	7440-02-0	LA-505-412		14.5	mg/kg			0.99	0.197		02/12/09
Antimony	7440-36-0	LA-505-412	U	< 0.296	mg/kg			0.99	0.296		02/12/09
Total solids											
Total solids	TS	LA-519-412		95.9	Percent			1.00	0.0		02/05/09

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

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

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

WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent
SAF Number: F09-007
Sample # W09GR00104
Client ID: B1YDF4 GPP WSCF

Matrix: SOIL

Group #: WSCF20090122
Department: Inorganic
Sampled: 02/02/09
Received: 02/03/09

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
Anions by Ion Chromatography Prep											**02/12/09**
Anions by Ion Chromatography											
Nitrogen in Nitrite	NO2-N	LA-533-410	DU	< 0.490	mg/kg			49.00	0.49		02/12/09
Nitrogen in Nitrate	NO3-N	LA-533-410	BD	1.14	mg/kg			49.00	0.24		02/12/09
Phosphate (P) by IC	PO4-P	LA-533-410	DU	< 1.96	mg/kg			49.00	2.0		02/12/09
Sulfate	14808-79-8	LA-533-410	D	93.7	mg/kg			49.00	3.4		02/12/09
ICP Metals Analysis, Grd H20 P Prep											**02/04/09**
ICP Metals Analysis, Grd H20 P											
Iron	7439-89-6	LA-505-411		1.54e+04	mg/kg			98.52	2.5		02/04/09
Magnesium	7439-95-4	LA-505-411		3.48e+03	mg/kg			98.52	4.9		02/04/09
ICP-200.8 MS All possible meta Prep											**02/12/09**
ICP-200.8 MS All possible meta											
Manganese	7439-96-5	LA-505-412		211	mg/kg			0.99	0.0991		02/12/09
Nickel	7440-02-0	LA-505-412		14.1	mg/kg			0.99	0.198		02/12/09
Antimony	7440-36-0	LA-505-412	U	< 0.297	mg/kg			0.99	0.297		02/12/09
Total solids											
Total solids	TS	LA-519-412		95.5	Percent			1.00	0.0		02/05/09

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

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

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

WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent
SAF Number: F09-007
Sample # W09GR00105
Client ID: B1YDF8 GPP WSCF

Matrix: SOIL

Group #: WSCF20090122
Department: Inorganic
Sampled: 02/02/09
Received: 02/03/09

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
Anions by Ion Chromatography Prep											**02/12/09**
Anions by Ion Chromatography											
Nitrogen in Nitrite	NO2-N	LA-533-410	DU	< 0.500	mg/kg			50.00	0.50		02/12/09
Nitrogen in Nitrate	NO3-N	LA-533-410	BD	1.18	mg/kg			50.00	0.25		02/12/09
Phosphate (P) by IC	PO4-P	LA-533-410	DU	< 2.00	mg/kg			50.00	2.0		02/12/09
Sulfate	14808-79-8	LA-533-410	D	88.8	mg/kg			50.00	3.5		02/12/09
ICP Metals Analysis, Grd H20 P Prep											**02/04/09**
ICP Metals Analysis, Grd H20 P											
Iron	7439-89-6	LA-505-411		1.49e+04	mg/kg			99.78	2.5		02/04/09
Magnesium	7439-95-4	LA-505-411		3.37e+03	mg/kg			99.78	5.0		02/04/09
ICP-200.8 MS All possible meta Prep											**02/12/09**
ICP-200.8 MS All possible meta											
Manganese	7439-96-5	LA-505-412		184	mg/kg			1.00	0.0999		02/12/09
Nickel	7440-02-0	LA-505-412		15.4	mg/kg			1.00	0.200		02/12/09
Antimony	7440-36-0	LA-505-412	U	< 0.300	mg/kg			1.00	0.300		02/12/09
Total solids											
Total solids	TS	LA-519-412		95.8	Percent			1.00	0.0		02/05/09

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

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

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

WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent
SAF Number: F09-007
Sample # W09GR00106
Client ID: B1YDH2 GPP WSCF

Matrix: SOIL

Group #: WSCF20090122
Department: Inorganic
Sampled: 02/02/09
Received: 02/03/09

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
Anions by Ion Chromatography Prep											**02/12/09**
Anions by Ion Chromatography											
Nitrogen in Nitrite	NO2-N	LA-533-410	DU	< 0.500	mg/kg			50.00	0.50		02/12/09
Nitrogen in Nitrate	NO3-N	LA-533-410	BD	0.624	mg/kg			50.00	0.25		02/12/09
Phosphate (P) by IC	PO4-P	LA-533-410	DU	< 2.00	mg/kg			50.00	2.0		02/12/09
Sulfate	14808-79-8	LA-533-410	D	45.9	mg/kg			50.00	3.5		02/12/09
ICP Metals Analysis, Grd H20 P Prep											**02/04/09**
ICP Metals Analysis, Grd H20 P											
Iron	7439-89-6	LA-505-411		1.44e+04	mg/kg			1.00e+002	2.5		02/04/09
Magnesium	7439-95-4	LA-505-411		2.79e+03	mg/kg			1.00e+002	5.0		02/04/09
ICP-200.8 MS All possible meta Prep											**02/12/09**
ICP-200.8 MS All possible meta											
Manganese	7439-96-5	LA-505-412		158	mg/kg			0.99	0.0986		02/12/09
Nickel	7440-02-0	LA-505-412		31.2	mg/kg			0.99	0.197		02/12/09
Antimony	7440-36-0	LA-505-412	U	< 0.296	mg/kg			0.99	0.296		02/12/09
Total solids											
Total solids	TS	LA-519-412		95.8	Percent			1.00	0.0		02/05/09

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

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

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

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WSCF ANALYTICAL LABORATORY QC REPORT

Department: Inorganic

SDG Number: WSCF20090122
Matrix: SOLID
Test: Anions by Ion Chromatography

Sample Date: 02/04/09
Receive Date:02/04/09

Lab ID: W09GR00124

BATCH QC ASSOCIATED WITH SAMPLE

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Lower Limit	Upper Limit	RPD(%)	RPD Limit	RQ	Analysis Date
DUP	Nitrogen in Nitrite	NO2-N	<0.49		RPD			n/a	20.000	U	02/12/09
DUP	Nitrogen in Nitrate	NO3-N	3.1191		RPD			9.420	20.000		02/12/09
DUP	Phosphate (P) by IC	PO4-P	<1.96		RPD			n/a	20.000	U	02/12/09
DUP	Sulfate	14808-79-8	30.153		RPD			5.676	20.000		02/12/09
MS	Nitrogen in Nitrite	NO2-N	0.456316	91.814	% Recov	80.000	120.000				02/12/09
MS	Nitrogen in Nitrate	NO3-N	0.448258	99.613	% Recov	80.000	120.000				02/12/09
MS	Phosphate (P) by IC	PO4-P	0.798496	82.575	% Recov	80.000	120.000				02/12/09
MS	Sulfate	14808-79-8	1.931798	96.590	% Recov	80.000	120.000				02/12/09
MSD	Nitrogen in Nitrite	NO2-N	0.458558	92.265	% Recov	80.000	120.000				02/12/09
MSD	Nitrogen in Nitrate	NO3-N	0.434002	96.445	% Recov	80.000	120.000				02/12/09
MSD	Phosphate (P) by IC	PO4-P	0.823284	85.138	% Recov	80.000	120.000				02/12/09
MSD	Sulfate	14808-79-8	1.834542	91.727	% Recov	80.000	120.000				02/12/09
SPK-RPD	Nitrogen in Nitrite	NO2-N	92.265		RPD			0.490	20.000		02/12/09
SPK-RPD	Nitrogen in Nitrate	NO3-N	96.445		RPD			3.232	20.000		02/12/09
SPK-RPD	Phosphate (P) by IC	PO4-P	85.138		RPD			3.056	20.000		02/12/09
SPK-RPD	Sulfate	14808-79-8	91.727		RPD			5.165	20.000		02/12/09

BATCH QC

BLANK	Nitrogen in Nitrite	NO2-N	<1e-2	n/a	mg/L	0.000	0.020			U	02/12/09
BLANK	Nitrogen in Nitrite	NO2-N	<1e-2	n/a	mg/L	0.000	0.020			U	02/12/09
BLANK	Nitrogen in Nitrate	NO3-N	<5e-3	n/a	mg/L	0.000	0.040			U	02/12/09
BLANK	Nitrogen in Nitrate	NO3-N	<5e-3	n/a	mg/L	0.000	0.040			U	02/12/09
BLANK	Phosphate (P) by IC	PO4-P	<4e-2	n/a	mg/L	0.000	0.200			U	02/12/09
BLANK	Phosphate (P) by IC	PO4-P	<4e-2	n/a	mg/L	0.000	0.200			U	02/12/09
BLANK	Sulfate	14808-79-8	<7e-2	n/a	mg/L	0.000	0.200			U	02/12/09
BLANK	Sulfate	14808-79-8	<7e-2	n/a	mg/L	0.000	0.200			U	02/12/09

WSCF ANALYTICAL LABORATORY QC REPORT

Department: Inorganic

SDG Number: WSCF20090122
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	Nitrogen in Nitrite	NO2-N	101.0005	101.610	% Recov	80.000	120.000				02/12/09
LCS	Nitrogen in Nitrate	NO3-N	92.8837	103.319	% Recov	80.000	120.000				02/12/09
LCS	Phosphate (P) by IC	PO4-P	191.897	99.223	% Recov	80.000	120.000				02/12/09
LCS	Sulfate	14808-79-8	387.0608	96.765	% Recov	80.000	120.000				02/12/09

WSCF ANALYTICAL LABORATORY QC REPORT

Department: Inorganic

SDG Number: WSCF20090122
Matrix: SOLID
Test: ICP Metals Analysis, Grd H20 P

Sample Date: 01/29/09
Receive Date:01/29/09

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Lower Limit	Upper Limit	RPD(%)	RPD Limit	RQ	Analysis Date
Lab ID: W09GR00091											
BATCH QC ASSOCIATED WITH SAMPLE											
MS	Iron	7439-89-6	489	246.970	% Recov	75.000	125.000		•		02/04/09
MS	Magnesium	7439-95-4	438	221.212	% Recov	75.000	125.000		•		02/04/09
MSD	Iron	7439-89-6	814	409.045	% Recov	75.000	125.000		•		02/04/09
MSD	Magnesium	7439-95-4	469	235.678	% Recov	75.000	125.000		•		02/04/09
SPK-RPD	Iron	7439-89-6	409.045		RPD			49.412	20.000 •		02/04/09
SPK-RPD	Magnesium	7439-95-4	235.678		RPD			6.332	20.000		02/04/09
BATCH QC											
BLANK	Iron	7439-89-6	<2.5e-2	n/a	ug/mL					U	02/04/09
BLANK	Magnesium	7439-95-4	<5e-2	n/a	ug/mL					U	02/04/09
LCS	Iron	7439-89-6	19600	146.269	% Recov	47.000	152.000				02/04/09
LCS	Magnesium	7439-95-4	2721	104.253	% Recov	71.000	129.000				02/04/09

WSCF ANALYTICAL LABORATORY QC REPORT

Department: Inorganic

SDG Number: WSCF20090122
Matrix: SOLID
Test: ICP-200.8 MS All possible meta

Sample Date: 01/29/09
Receive Date:01/29/09

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Lower Limit	Upper Limit	RPD(%)	RPD Limit	RQ	Analysis Date
Lab ID: W09GR00091											
BATCH QC ASSOCIATED WITH SAMPLE											
MS	Manganese	7439-96-5	184.04	92.020	% Recov	70.000	130.000				02/12/09
MS	Nickel	7440-02-0	180.82	90.410	% Recov	70.000	130.000				02/12/09
MS	Antimony	7440-36-0	189.9	94.950	% Recov	70.000	130.000				02/12/09
MSD	Manganese	7439-96-5	200.24	100.120	% Recov	70.000	130.000				02/12/09
MSD	Nickel	7440-02-0	191.82	95.910	% Recov	70.000	130.000				02/12/09
MSD	Antimony	7440-36-0	192.7	96.350	% Recov	70.000	130.000				02/12/09
SPK-RPD	Manganese	7439-96-5	100.120		RPD			8.431	20.000		02/12/09
SPK-RPD	Nickel	7440-02-0	95.910		RPD			5.904	20.000		02/12/09
SPK-RPD	Antimony	7440-36-0	96.350		RPD			1.464	20.000		02/12/09
BATCH QC											
BLANK	Manganese	7439-96-5	<0.1	n/a	ug/L					U	02/12/09
BLANK	Nickel	7440-02-0	<0.2	n/a	ug/L					U	02/12/09
BLANK	Antimony	7440-36-0	<0.3	n/a	ug/L					U	02/12/09
LCS	Manganese	7439-96-5	463.5	102.318	% Recov	83.000	118.000				02/12/09
LCS	Nickel	7440-02-0	56.68	101.942	% Recov	90.000	121.000				02/12/09
LCS	Antimony	7440-36-0	131.9	146.231	% Recov	114.000	260.000				02/12/09

WSCF
ANALYTICAL COMMENT REPORT

Attention: Steve Trent
Project Number F09-007

Group #: WSCF20090122
Department: Inorganic

Sample #	Client ID	Lab Area	Test	Comment
		VALGROUP		ICP-AES: Iron and magnesium sample results exceed spiking level by a factor of 4 so spike recoveries are not valid. Check and high standards used to ensure iron and magnesium linearity because sample results are greater than calibration standard. SVOA:The recovery of the surrogate, terphenyl-d14 is slightl greater than the upper control limit in the LCS at 123% Rec. cgc Organics: All results are moisture corrected and reported on a dry weight basis. cgc TPHD: The diesel results reported on material that is close but doesn't quite match the diesel standard chromatogram. The hydrocarbon pattern is slightly heavier in average molecular weight and volatility than the standard. cgc

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

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WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent
SAF Number: F09-007
Sample # W09GR00101
Client ID: B1YDF0 GPP WSCF

Matrix: SOIL

Group #: WSCF20090122
Department: Organic
Sampled: 02/02/09
Received: 02/03/09

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
NWTPH-D TPH Diesel Range (Wa) Prep											**02/12/09**
NWTPH-D TPH Diesel Range (Wa)											
Total Pet. Hydrocarbons Diesel	TPHDIESEL	LA-523-493		5.90e+04	ug/kg			1.00	3.1e+03		02/19/09
Kerosene	TPHKEROSENE	LA-523-493	U	< 3.10e+03	ug/kg			1.00	3.1e+03		02/19/09
SW-846 8270C Semi-Vols Prep											**02/10/09**
SW-846 8270C Semi-Vols											
4-Nitrophenol	100-02-7	LA-523-456	U	< 200	ug/kg			1.00	2.0e+02		02/11/09
1,4-Dichlorobenzene	106-46-7	LA-523-456	U	< 240	ug/kg			1.00	2.4e+02		02/11/09
Phenol	108-95-2	LA-523-456	U	< 140	ug/kg			1.00	1.4e+02		02/11/09
1,2,4-Trichlorobenzene	120-82-1	LA-523-456	U	< 140	ug/kg			1.00	1.4e+02		02/11/09
2,4-Dinitrotoluene	121-14-2	LA-523-456	U	< 140	ug/kg			1.00	1.4e+02		02/11/09
Pyrene	129-00-0	LA-523-456	U	< 140	ug/kg			1.00	1.4e+02		02/11/09
4-Chloro-3-methylphenol	59-50-7	LA-523-456	U	< 140	ug/kg			1.00	1.4e+02		02/11/09
N-Nitrosodi-n-dipropylamine	621-64-7	LA-523-456	U	< 140	ug/kg			1.00	1.4e+02		02/11/09
Acenaphthene	83-32-9	LA-523-456	U	< 140	ug/kg			1.00	1.4e+02		02/11/09
Pentachlorophenol	87-86-5	LA-523-456	U	< 200	ug/kg			1.00	2.0e+02		02/11/09
2-Chlorophenol	95-57-8	LA-523-456	U	< 140	ug/kg			1.00	1.4e+02		02/11/09
4-Nitroaniline	100-01-6	LA-523-456	U	< 200	ug/kg			1.00	2.0e+02		02/11/09
4-Bromophenylphenyl ether	101-55-3	LA-523-456	U	< 140	ug/kg			1.00	1.4e+02		02/11/09
2,4-Dimethylphenol	105-67-9	LA-523-456	U	< 220	ug/kg			1.00	2.2e+02		02/11/09
4-Chloroaniline	106-47-8	LA-523-456	U	< 310	ug/kg			1.00	3.1e+02		02/11/09
Bis(2-chloro-1-methylethyl)eth	108-60-1	LA-523-456	U	< 140	ug/kg			1.00	1.4e+02		02/11/09
Bis(2-chloroethyl) ether	111-44-4	LA-523-456	U	< 140	ug/kg			1.00	1.4e+02		02/11/09
Bis(2-Chloroethoxy)methane	111-91-1	LA-523-456	U	< 140	ug/kg			1.00	1.4e+02		02/11/09
Bis(2-ethylhexyl) phthalate	117-81-7	LA-523-456	U	< 140	ug/kg			1.00	1.4e+02		02/11/09

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

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J - Analyte < lowest calibration but > = MDL.(org)
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D - Analyte was identified at a secondary dilution factor(inorg)
U - Analyzed for but not detected above limiting criteria(inorg)

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WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent
SAF Number: F09-007
Sample # W09GR00101
Client ID: B1YDF0 GPP WSCF

Matrix: SOIL

Group #: WSCF20090122
Department: Organic
Sampled: 02/02/09
Received: 02/03/09

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
Di-n-octylphthalate	117-84-0	LA-523-456	U	< 200	ug/kg			1.00	2.0e+02		02/11/09
Hexachlorobenzene	118-74-1	LA-523-456	U	< 140	ug/kg			1.00	1.4e+02		02/11/09
Anthracene	120-12-7	LA-523-456	U	< 140	ug/kg			1.00	1.4e+02		02/11/09
2,4-Dichlorophenol	120-83-2	LA-523-456	U	< 140	ug/kg			1.00	1.4e+02		02/11/09
Dimethyl phthalate	131-11-3	LA-523-456	U	< 140	ug/kg			1.00	1.4e+02		02/11/09
Dibenzofuran	132-64-9	LA-523-456	U	< 140	ug/kg			1.00	1.4e+02		02/11/09
Benzo(ghi)perylene	191-24-2	LA-523-456	U	< 220	ug/kg			1.00	2.2e+02		02/11/09
Indeno(1,2,3-cd)pyrene	193-39-5	LA-523-456	U	< 240	ug/kg			1.00	2.4e+02		02/11/09
Benzo(b)fluoranthene	205-99-2	LA-523-456	U	< 170	ug/kg			1.00	1.7e+02		02/11/09
Fluoranthene	206-44-0	LA-523-456	U	< 140	ug/kg			1.00	1.4e+02		02/11/09
Benzo(k)fluoranthene	207-08-9	LA-523-456	U	< 170	ug/kg			1.00	1.7e+02		02/11/09
Acenaphthylene	208-96-8	LA-523-456	U	< 140	ug/kg			1.00	1.4e+02		02/11/09
Chrysene	218-01-9	LA-523-456	U	< 140	ug/kg			1.00	1.4e+02		02/11/09
Benzo(a)pyrene	50-32-8	LA-523-456	U	< 200	ug/kg			1.00	2.0e+02		02/11/09
2,4-Dinitrophenol	51-28-5	LA-523-456	U	< 610	ug/kg			1.00	6.1e+02		02/11/09
Dibenz[a,h]anthracene	53-70-3	LA-523-456	U	< 260	ug/kg			1.00	2.6e+02		02/11/09
4,6-Dinitro-2-methylphenol	534-52-1	LA-523-456	U	< 220	ug/kg			1.00	2.2e+02		02/11/09
1,3-Dichlorobenzene	541-73-1	LA-523-456	U	< 260	ug/kg			1.00	2.6e+02		02/11/09
Benzo(a)anthracene	56-55-3	LA-523-456	U	< 140	ug/kg			1.00	1.4e+02		02/11/09
2,6-Dinitrotoluene	606-20-2	LA-523-456	U	< 140	ug/kg			1.00	1.4e+02		02/11/09
4-Chlorophenylphenyl ether	7005-72-3	LA-523-456	U	< 140	ug/kg			1.00	1.4e+02		02/11/09
Hexachlorocyclopentadiene	77-47-4	LA-523-456	U	< 160	ug/kg			1.00	1.6e+02		02/11/09
Isophorone	78-59-1	LA-523-456	U	< 140	ug/kg			1.00	1.4e+02		02/11/09
Diethylphthalate	84-66-2	LA-523-456	J	340	ug/kg			1.00	2.1e+02		02/11/09
Di-n-butylphthalate	84-74-2	LA-523-456	J	330	ug/kg			1.00	1.4e+02		02/11/09

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RQ=Result Qualifier
TP Err=Total Propagated Error
DF=Dilution Factor

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J - Analyte < lowest calibration but > = MDL.(org)
U - Analyzed for but not detected above limiting criteria.(org)
D - Analyte was identified at a secondary dilution factor(inorg)
U - Analyzed for but not detected above limiting criteria(inorg)

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WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent
SAF Number: F09-007
Sample # W09GR00101
Client ID: B1YDF0 GPP WSCF

Matrix: SOIL

Group #: WSCF20090122
Department: Organic
Sampled: 02/02/09
Received: 02/03/09

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
Phenanthrene	85-01-8	LA-523-456	U	< 140	ug/kg			1.00	1.4e+02		02/11/09
Butylbenzylphthalate	85-68-7	LA-523-456	U	< 140	ug/kg			1.00	1.4e+02		02/11/09
N-Nitrosodiphenylamine	86-30-6	LA-523-456	U	< 160	ug/kg			1.00	1.6e+02		02/11/09
Fluorene	86-73-7	LA-523-456	U	< 140	ug/kg			1.00	1.4e+02		02/11/09
Carbazole	86-74-8	LA-523-456	U	< 140	ug/kg			1.00	1.4e+02		02/11/09
Hexachlorobutadiene	87-68-3	LA-523-456	U	< 140	ug/kg			1.00	1.4e+02		02/11/09
2-Nitroaniline	88-74-4	LA-523-456	U	< 140	ug/kg			1.00	1.4e+02		02/11/09
2-Nitrophenol	88-75-5	LA-523-456	U	< 140	ug/kg			1.00	1.4e+02		02/11/09
Naphthalene	91-20-3	LA-523-456	U	< 140	ug/kg			1.00	1.4e+02		02/11/09
2-Methylnaphthalene	91-57-6	LA-523-456	U	< 140	ug/kg			1.00	1.4e+02		02/11/09
2-Chloronaphthalene	91-58-7	LA-523-456	U	< 140	ug/kg			1.00	1.4e+02		02/11/09
3,3'-Dichlorobenzidine	91-94-1	LA-523-456	U	< 260	ug/kg			1.00	2.6e+02		02/11/09
2-Methylphenol (cresol, o-)	95-48-7	LA-523-456	U	< 140	ug/kg			1.00	1.4e+02		02/11/09
1,2-Dichlorobenzene	95-50-1	LA-523-456	U	< 240	ug/kg			1.00	2.4e+02		02/11/09
2,4,5-Trichlorophenol	95-95-4	LA-523-456	U	< 140	ug/kg			1.00	1.4e+02		02/11/09
Nitrobenzene	98-95-3	LA-523-456	U	< 140	ug/kg			1.00	1.4e+02		02/11/09
3-Nitroaniline	99-09-2	LA-523-456	U	< 140	ug/kg			1.00	1.4e+02		02/11/09
3 & 4 Methylphenol Total	65794-96-9	LA-523-456	U	< 140	ug/kg			1.00	1.4e+02		02/11/09
Hexachloroethane	67-72-1	LA-523-456	U	< 230	ug/kg			1.00	2.3e+02		02/11/09
2,4,6-Trichlorophenol	88-06-2	LA-523-456	U	< 140	ug/kg			1.00	1.4e+02		02/11/09

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

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WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent
SAF Number: F09-007
Sample # W09GR00103
Client ID: B1YDF2 GPP WSCF

Matrix: SOIL

Group #: WSCF20090122
Department: Organic
Sampled: 02/02/09
Received: 02/03/09

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
VOA Ground Water Protection											
1,1-Dichloroethene	75-35-4	LA-523-455	U	< 0.970	ug/kg			1.00	0.97		02/11/09
Trichloroethene	79-01-6	LA-523-455	U	< 0.970	ug/kg			1.00	0.97		02/11/09
Benzene	71-43-2	LA-523-455	J	2.80	ug/kg			1.00	0.97		02/11/09
Toluene	108-88-3	LA-523-455	J	2.40	ug/kg			1.00	0.97		02/11/09
Chlorobenzene	108-90-7	LA-523-455	U	< 0.970	ug/kg			1.00	0.97		02/11/09
1,1-Dichloroethane	75-34-3	LA-523-455	U	< 0.970	ug/kg			1.00	0.97		02/11/09
Ethylbenzene	100-41-4	LA-523-455	U	< 0.970	ug/kg			1.00	0.97		02/11/09
Styrene	100-42-5	LA-523-455	J	3.10	ug/kg			1.00	0.97		02/11/09
cis-1,3-Dichloropropene	10061-01-5	LA-523-455	U	< 0.970	ug/kg			1.00	0.97		02/11/09
trans-1,3-Dichloropropene	10061-02-6	LA-523-455	U	< 0.970	ug/kg			1.00	0.97		02/11/09
1,2-Dichloroethane	107-06-2	LA-523-455	U	< 0.970	ug/kg			1.00	0.97		02/11/09
4-Methyl-2-Pentanone	108-10-1	LA-523-455	U	< 0.970	ug/kg			1.00	0.97		02/11/09
Dibromochloromethane	124-48-1	LA-523-455	U	< 0.970	ug/kg			1.00	0.97		02/11/09
Tetrachloroethene	127-18-4	LA-523-455	U	< 0.970	ug/kg			1.00	0.97		02/11/09
Xylenes (total)	1330-20-7	LA-523-455	U	< 0.970	ug/kg			1.00	0.97		02/11/09
1,2-Dichloroethene(Total)	540-59-0	LA-523-455	U	< 0.970	ug/kg			1.00	0.97		02/11/09
Carbon tetrachloride	56-23-5	LA-523-455	U	< 0.970	ug/kg			1.00	0.97		02/11/09
2-Hexanone	591-78-6	LA-523-455	U	< 0.970	ug/kg			1.00	0.97		02/11/09
Acetone	67-64-1	LA-523-455	U	< 0.970	ug/kg			1.00	0.97		02/11/09
Chloroform	67-66-3	LA-523-455	U	< 0.970	ug/kg			1.00	0.97		02/11/09
1,1,1-Trichloroethane	71-55-6	LA-523-455	U	< 0.970	ug/kg			1.00	0.97		02/11/09
Bromomethane	74-83-9	LA-523-455	U	< 0.970	ug/kg			1.00	0.97		02/11/09
Chloromethane	74-87-3	LA-523-455	U	< 0.970	ug/kg			1.00	0.97		02/11/09
Chloroethane	75-00-3	LA-523-455	U	< 0.970	ug/kg			1.00	0.97		02/11/09

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WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent
SAF Number: F09-007
Sample # W09GR00103
Client ID: B1YDF2 GPP WSCF

Matrix: SOIL

Group #: WSCF20090122
Department: Organic
Sampled: 02/02/09
Received: 02/03/09

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
Vinyl chloride	75-01-4	LA-523-455	U	< 0.970	ug/kg			1.00	0.97		02/11/09
Methylenechloride	75-09-2	LA-523-455	U	< 0.970	ug/kg			1.00	0.97		02/11/09
Carbon disulfide	75-15-0	LA-523-455	U	< 0.970	ug/kg			1.00	0.97		02/11/09
Bromoform	75-25-2	LA-523-455	U	< 0.970	ug/kg			1.00	0.97		02/11/09
Bromodichloromethane	75-27-4	LA-523-455	U	< 0.970	ug/kg			1.00	0.97		02/11/09
1,2-Dichloropropane	78-87-5	LA-523-455	U	< 0.970	ug/kg			1.00	0.97		02/11/09
2-Butanone	78-93-3	LA-523-455	U	< 0.970	ug/kg			1.00	0.97		02/11/09
1,1,2-Trichloroethane	79-00-5	LA-523-455	U	< 0.970	ug/kg			1.00	0.97		02/11/09
1,1,2,2-Tetrachloroethane	79-34-5	LA-523-455	U	< 0.970	ug/kg			1.00	0.97		02/11/09

MDL=Minimum Detection Limit
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WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent
SAF Number: F09-007
Sample # W09GR00104
Client ID: B1YDF4 GPP WSCF

Matrix: SOIL

Group #: WSCF20090122
Department: Organic
Sampled: 02/02/09
Received: 02/03/09

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
NWTPH-D TPH Diesel Range (Wa) Prep											**02/12/09**
NWTPH-D TPH Diesel Range (Wa)											
Total Pet. Hydrocarbons Diesel	TPHDIESEL	LA-523-493		5.90e+04	ug/kg			1.00	3.1e+03		02/19/09
Kerosene	TPHKEROSENE	LA-523-493	U	< 3.10e+03	ug/kg			1.00	3.1e+03		02/19/09
SW-846 8270C Semi-Vols Prep											**02/10/09**
SW-846 8270C Semi-Vols											
4-Nitrophenol	100-02-7	LA-523-456	U	< 210	ug/kg			1.00	2.1e+02		02/11/09
1,4-Dichlorobenzene	106-46-7	LA-523-456	U	< 250	ug/kg			1.00	2.5e+02		02/11/09
Phenol	108-95-2	LA-523-456	U	< 150	ug/kg			1.00	1.5e+02		02/11/09
1,2,4-Trichlorobenzene	120-82-1	LA-523-456	U	< 150	ug/kg			1.00	1.5e+02		02/11/09
2,4-Dinitrotoluene	121-14-2	LA-523-456	U	< 150	ug/kg			1.00	1.5e+02		02/11/09
Pyrene	129-00-0	LA-523-456	U	< 150	ug/kg			1.00	1.5e+02		02/11/09
4-Chloro-3-methylphenol	59-50-7	LA-523-456	U	< 150	ug/kg			1.00	1.5e+02		02/11/09
N-Nitrosodi-n-dipropylamine	621-64-7	LA-523-456	U	< 150	ug/kg			1.00	1.5e+02		02/11/09
Acenaphthene	83-32-9	LA-523-456	U	< 150	ug/kg			1.00	1.5e+02		02/11/09
Pentachlorophenol	87-86-5	LA-523-456	U	< 210	ug/kg			1.00	2.1e+02		02/11/09
2-Chlorophenol	95-57-8	LA-523-456	U	< 150	ug/kg			1.00	1.5e+02		02/11/09
4-Nitroaniline	100-01-6	LA-523-456	U	< 210	ug/kg			1.00	2.1e+02		02/11/09
4-Bromophenylphenyl ether	101-55-3	LA-523-456	U	< 150	ug/kg			1.00	1.5e+02		02/11/09
2,4-Dimethylphenol	105-67-9	LA-523-456	U	< 230	ug/kg			1.00	2.3e+02		02/11/09
4-Chloroaniline	106-47-8	LA-523-456	U	< 310	ug/kg			1.00	3.1e+02		02/11/09
Bis(2-chloro-1-methylethyl)eth	108-60-1	LA-523-456	U	< 150	ug/kg			1.00	1.5e+02		02/11/09
Bis(2-chloroethyl) ether	111-44-4	LA-523-456	U	< 150	ug/kg			1.00	1.5e+02		02/11/09
Bis(2-Chloroethoxy)methane	111-91-1	LA-523-456	U	< 150	ug/kg			1.00	1.5e+02		02/11/09
Bis(2-ethylhexyl) phthalate	117-81-7	LA-523-456		1.40e+03	ug/kg			1.00	1.5e+02		02/11/09

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WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent
SAF Number: F09-007
Sample # W09GR00104
Client ID: B1YDF4 GPP WSCF

Matrix: SOIL

Group #: WSCF20090122
Department: Organic
Sampled: 02/02/09
Received: 02/03/09

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
Di-n-octylphthalate	117-84-0	LA-523-456	U	< 210	ug/kg			1.00	2.1e+02		02/11/09
Hexachlorobenzene	118-74-1	LA-523-456	U	< 150	ug/kg			1.00	1.5e+02		02/11/09
Anthracene	120-12-7	LA-523-456	U	< 150	ug/kg			1.00	1.5e+02		02/11/09
2,4-Dichlorophenol	120-83-2	LA-523-456	U	< 150	ug/kg			1.00	1.5e+02		02/11/09
Dimethyl phthalate	131-11-3	LA-523-456	U	< 150	ug/kg			1.00	1.5e+02		02/11/09
Dibenzofuran	132-64-9	LA-523-456	U	< 150	ug/kg			1.00	1.5e+02		02/11/09
Benzo(ghi)perylene	191-24-2	LA-523-456	U	< 230	ug/kg			1.00	2.3e+02		02/11/09
Indeno(1,2,3-cd)pyrene	193-39-5	LA-523-456	U	< 250	ug/kg			1.00	2.5e+02		02/11/09
Benzo(b)fluoranthene	205-99-2	LA-523-456	U	< 180	ug/kg			1.00	1.8e+02		02/11/09
Fluoranthene	206-44-0	LA-523-456	U	< 150	ug/kg			1.00	1.5e+02		02/11/09
Benzo(k)fluoranthene	207-08-9	LA-523-456	U	< 180	ug/kg			1.00	1.8e+02		02/11/09
Acenaphthylene	208-96-8	LA-523-456	U	< 150	ug/kg			1.00	1.5e+02		02/11/09
Chrysene	218-01-9	LA-523-456	U	< 150	ug/kg			1.00	1.5e+02		02/11/09
Benzo(a)pyrene	50-32-8	LA-523-456	U	< 210	ug/kg			1.00	2.1e+02		02/11/09
2,4-Dinitrophenol	51-28-5	LA-523-456	U	< 620	ug/kg			1.00	6.2e+02		02/11/09
Dibenz[a,h]anthracene	53-70-3	LA-523-456	U	< 270	ug/kg			1.00	2.7e+02		02/11/09
4,6-Dinitro-2-methylphenol	534-52-1	LA-523-456	U	< 230	ug/kg			1.00	2.3e+02		02/11/09
1,3-Dichlorobenzene	541-73-1	LA-523-456	U	< 270	ug/kg			1.00	2.7e+02		02/11/09
Benzo(a)anthracene	56-55-3	LA-523-456	U	< 150	ug/kg			1.00	1.5e+02		02/11/09
2,6-Dinitrotoluene	606-20-2	LA-523-456	U	< 150	ug/kg			1.00	1.5e+02		02/11/09
4-Chlorophenylphenyl ether	7005-72-3	LA-523-456	U	< 150	ug/kg			1.00	1.5e+02		02/11/09
Hexachlorocyclopentadiene	77-47-4	LA-523-456	U	< 170	ug/kg			1.00	1.7e+02		02/11/09
Isophorone	78-59-1	LA-523-456	U	< 150	ug/kg			1.00	1.5e+02		02/11/09
Diethylphthalate	84-66-2	LA-523-456	J	390	ug/kg			1.00	2.2e+02		02/11/09
Di-n-butylphthalate	84-74-2	LA-523-456	J	450	ug/kg			1.00	1.5e+02		02/11/09

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WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent
SAF Number: F09-007
Sample # W09GR00104
Client ID: B1YDF4 GPP WSCF

Matrix: SOIL

Group #: WSCF20090122
Department: Organic
Sampled: 02/02/09
Received: 02/03/09

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
Phenanthrene	85-01-8	LA-523-456	U	< 150	ug/kg			1.00	1.5e+02		02/11/09
Butylbenzylphthalate	85-68-7	LA-523-456	U	< 150	ug/kg			1.00	1.5e+02		02/11/09
N-Nitrosodiphenylamine	86-30-6	LA-523-456	U	< 170	ug/kg			1.00	1.7e+02		02/11/09
Fluorene	86-73-7	LA-523-456	U	< 150	ug/kg			1.00	1.5e+02		02/11/09
Carbazole	86-74-8	LA-523-456	U	< 150	ug/kg			1.00	1.5e+02		02/11/09
Hexachlorobutadiene	87-68-3	LA-523-456	U	< 150	ug/kg			1.00	1.5e+02		02/11/09
2-Nitroaniline	88-74-4	LA-523-456	U	< 150	ug/kg			1.00	1.5e+02		02/11/09
2-Nitrophenol	88-75-5	LA-523-456	U	< 150	ug/kg			1.00	1.5e+02		02/11/09
Naphthalene	91-20-3	LA-523-456	U	< 150	ug/kg			1.00	1.5e+02		02/11/09
2-Methylnaphthalene	91-57-6	LA-523-456	U	< 150	ug/kg			1.00	1.5e+02		02/11/09
2-Chloronaphthalene	91-58-7	LA-523-456	U	< 150	ug/kg			1.00	1.5e+02		02/11/09
3,3'-Dichlorobenzidine	91-94-1	LA-523-456	U	< 270	ug/kg			1.00	2.7e+02		02/11/09
2-Methylphenol (cresol, o-)	95-48-7	LA-523-456	U	< 150	ug/kg			1.00	1.5e+02		02/11/09
1,2-Dichlorobenzene	95-50-1	LA-523-456	U	< 250	ug/kg			1.00	2.5e+02		02/11/09
2,4,5-Trichlorophenol	95-95-4	LA-523-456	U	< 150	ug/kg			1.00	1.5e+02		02/11/09
Nitrobenzene	98-95-3	LA-523-456	U	< 150	ug/kg			1.00	1.5e+02		02/11/09
3-Nitroaniline	99-09-2	LA-523-456	U	< 150	ug/kg			1.00	1.5e+02		02/11/09
3 & 4 Methylphenol Total	65794-96-9	LA-523-456	U	< 150	ug/kg			1.00	1.5e+02		02/11/09
Hexachloroethane	67-72-1	LA-523-456	U	< 230	ug/kg			1.00	2.3e+02		02/11/09
2,4,6-Trichlorophenol	88-06-2	LA-523-456	U	< 150	ug/kg			1.00	1.5e+02		02/11/09

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WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent
SAF Number: F09-007
Sample # W09GR00105
Client ID: B1YDF8 GPP WSCF

Matrix: SOIL

Group #: WSCF20090122
Department: Organic
Sampled: 02/02/09
Received: 02/03/09

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
NWTPH-D TPH Diesel Range (Wa) Prep											**02/12/09**
NWTPH-D TPH Diesel Range (Wa)											
Total Pet. Hydrocarbons Diesel	TPHDIESEL	LA-523-493		6.40e+04	ug/kg			1.00	3.1e+03		02/19/09
Kerosene	TPHKEROSENE	LA-523-493	U	< 3.10e+03	ug/kg			1.00	3.1e+03		02/19/09
SW-846 8270C Semi-Vols Prep											**02/10/09**
SW-846 8270C Semi-Vols											
4-Nitrophenol	100-02-7	LA-523-456	U	< 210	ug/kg			1.00	2.1e+02		02/11/09
1,4-Dichlorobenzene	106-46-7	LA-523-456	U	< 250	ug/kg			1.00	2.5e+02		02/11/09
Phenol	108-95-2	LA-523-456	U	< 140	ug/kg			1.00	1.4e+02		02/11/09
1,2,4-Trichlorobenzene	120-82-1	LA-523-456	U	< 140	ug/kg			1.00	1.4e+02		02/11/09
2,4-Dinitrotoluene	121-14-2	LA-523-456	U	< 140	ug/kg			1.00	1.4e+02		02/11/09
Pyrene	129-00-0	LA-523-456	U	< 140	ug/kg			1.00	1.4e+02		02/11/09
4-Chloro-3-methylphenol	59-50-7	LA-523-456	U	< 140	ug/kg			1.00	1.4e+02		02/11/09
N-Nitrosodi-n-dipropylamine	621-64-7	LA-523-456	U	< 140	ug/kg			1.00	1.4e+02		02/11/09
Acenaphthene	83-32-9	LA-523-456	U	< 140	ug/kg			1.00	1.4e+02		02/11/09
Pentachlorophenol	87-86-5	LA-523-456	U	< 210	ug/kg			1.00	2.1e+02		02/11/09
2-Chlorophenol	95-57-8	LA-523-456	U	< 140	ug/kg			1.00	1.4e+02		02/11/09
4-Nitroaniline	100-01-6	LA-523-456	U	< 210	ug/kg			1.00	2.1e+02		02/11/09
4-Bromophenylphenyl ether	101-55-3	LA-523-456	U	< 140	ug/kg			1.00	1.4e+02		02/11/09
2,4-Dimethylphenol	105-67-9	LA-523-456	U	< 230	ug/kg			1.00	2.3e+02		02/11/09
4-Chloroaniline	106-47-8	LA-523-456	U	< 310	ug/kg			1.00	3.1e+02		02/11/09
Bis(2-chloro-1-methylethyl)eth	108-60-1	LA-523-456	U	< 140	ug/kg			1.00	1.4e+02		02/11/09
Bis(2-chloroethyl) ether	111-44-4	LA-523-456	U	< 140	ug/kg			1.00	1.4e+02		02/11/09
Bis(2-Chloroethoxy)methane	111-91-1	LA-523-456	U	< 140	ug/kg			1.00	1.4e+02		02/11/09
Bis(2-ethylhexyl) phthalate	117-81-7	LA-523-456		1.40e+03	ug/kg			1.00	1.4e+02		02/11/09

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

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

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WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent
SAF Number: F09-007
Sample # W09GR00105
Client ID: B1YDF8 GPP WSCF

Matrix: SOIL

Group #: WSCF20090122
Department: Organic
Sampled: 02/02/09
Received: 02/03/09

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
Di-n-octylphthalate	117-84-0	LA-523-456	U	< 210	ug/kg			1.00	2.1e+02		02/11/09
Hexachlorobenzene	118-74-1	LA-523-456	U	< 140	ug/kg			1.00	1.4e+02		02/11/09
Anthracene	120-12-7	LA-523-456	U	< 140	ug/kg			1.00	1.4e+02		02/11/09
2,4-Dichlorophenol	120-83-2	LA-523-456	U	< 140	ug/kg			1.00	1.4e+02		02/11/09
Dimethyl phthalate	131-11-3	LA-523-456	U	< 140	ug/kg			1.00	1.4e+02		02/11/09
Dibenzofuran	132-64-9	LA-523-456	U	< 140	ug/kg			1.00	1.4e+02		02/11/09
Benzo(ghi)perylene	191-24-2	LA-523-456	U	< 230	ug/kg			1.00	2.3e+02		02/11/09
Indeno(1,2,3-cd)pyrene	193-39-5	LA-523-456	U	< 250	ug/kg			1.00	2.5e+02		02/11/09
Benzo(b)fluoranthene	205-99-2	LA-523-456	U	< 170	ug/kg			1.00	1.7e+02		02/11/09
Fluoranthene	206-44-0	LA-523-456	U	< 140	ug/kg			1.00	1.4e+02		02/11/09
Benzo(k)fluoranthene	207-08-9	LA-523-456	U	< 170	ug/kg			1.00	1.7e+02		02/11/09
Acenaphthylene	208-96-8	LA-523-456	U	< 140	ug/kg			1.00	1.4e+02		02/11/09
Chrysene	218-01-9	LA-523-456	U	< 140	ug/kg			1.00	1.4e+02		02/11/09
Benzo(a)pyrene	50-32-8	LA-523-456	U	< 210	ug/kg			1.00	2.1e+02		02/11/09
2,4-Dinitrophenol	51-28-5	LA-523-456	U	< 620	ug/kg			1.00	6.2e+02		02/11/09
Dibenz[a,h]anthracene	53-70-3	LA-523-456	U	< 270	ug/kg			1.00	2.7e+02		02/11/09
4,6-Dinitro-2-methylphenol	534-52-1	LA-523-456	U	< 230	ug/kg			1.00	2.3e+02		02/11/09
1,3-Dichlorobenzene	541-73-1	LA-523-456	U	< 270	ug/kg			1.00	2.7e+02		02/11/09
Benzo(a)anthracene	56-55-3	LA-523-456	U	< 140	ug/kg			1.00	1.4e+02		02/11/09
2,6-Dinitrotoluene	606-20-2	LA-523-456	U	< 140	ug/kg			1.00	1.4e+02		02/11/09
4-Chlorophenylphenyl ether	7005-72-3	LA-523-456	U	< 140	ug/kg			1.00	1.4e+02		02/11/09
Hexachlorocyclopentadiene	77-47-4	LA-523-456	U	< 160	ug/kg			1.00	1.6e+02		02/11/09
Isophorone	78-59-1	LA-523-456	U	< 140	ug/kg			1.00	1.4e+02		02/11/09
Diethylphthalate	84-66-2	LA-523-456	J	320	ug/kg			1.00	2.1e+02		02/11/09
Di-n-butylphthalate	84-74-2	LA-523-456	J	350	ug/kg			1.00	1.4e+02		02/11/09

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WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent
SAF Number: F09-007
Sample # W09GR00105
Client ID: B1YDF8 GPP WSCF

Matrix: SOIL

Group #: WSCF20090122
Department: Organic
Sampled: 02/02/09
Received: 02/03/09

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
Phenanthrene	85-01-8	LA-523-456	U	< 140	ug/kg			1.00	1.4e+02		02/11/09
Butylbenzylphthalate	85-68-7	LA-523-456	U	< 140	ug/kg			1.00	1.4e+02		02/11/09
N-Nitrosodiphenylamine	86-30-6	LA-523-456	U	< 160	ug/kg			1.00	1.6e+02		02/11/09
Fluorene	86-73-7	LA-523-456	U	< 140	ug/kg			1.00	1.4e+02		02/11/09
Carbazole	86-74-8	LA-523-456	U	< 140	ug/kg			1.00	1.4e+02		02/11/09
Hexachlorobutadiene	87-68-3	LA-523-456	U	< 140	ug/kg			1.00	1.4e+02		02/11/09
2-Nitroaniline	88-74-4	LA-523-456	U	< 140	ug/kg			1.00	1.4e+02		02/11/09
2-Nitrophenol	88-75-5	LA-523-456	U	< 140	ug/kg			1.00	1.4e+02		02/11/09
Naphthalene	91-20-3	LA-523-456	U	< 140	ug/kg			1.00	1.4e+02		02/11/09
2-Methylnaphthalene	91-57-6	LA-523-456	U	< 140	ug/kg			1.00	1.4e+02		02/11/09
2-Chloronaphthalene	91-58-7	LA-523-456	U	< 140	ug/kg			1.00	1.4e+02		02/11/09
3,3'-Dichlorobenzidine	91-94-1	LA-523-456	U	< 270	ug/kg			1.00	2.7e+02		02/11/09
2-Methylphenol (cresol, o-)	95-48-7	LA-523-456	U	< 140	ug/kg			1.00	1.4e+02		02/11/09
1,2-Dichlorobenzene	95-50-1	LA-523-456	U	< 250	ug/kg			1.00	2.5e+02		02/11/09
2,4,5-Trichlorophenol	95-95-4	LA-523-456	U	< 140	ug/kg			1.00	1.4e+02		02/11/09
Nitrobenzene	98-95-3	LA-523-456	U	< 140	ug/kg			1.00	1.4e+02		02/11/09
3-Nitroaniline	99-09-2	LA-523-456	U	< 140	ug/kg			1.00	1.4e+02		02/11/09
3 & 4 Methylphenol Total	65794-96-9	LA-523-456	U	< 140	ug/kg			1.00	1.4e+02		02/11/09
Hexachloroethane	67-72-1	LA-523-456	U	< 230	ug/kg			1.00	2.3e+02		02/11/09
2,4,6-Trichlorophenol	88-06-2	LA-523-456	U	< 140	ug/kg			1.00	1.4e+02		02/11/09

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

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WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent
SAF Number: F09-007
Sample # W09GR00106
Client ID: B1YDH2 GPP WSCF

Matrix: SOIL

Group #: WSCF20090122
Department: Organic
Sampled: 02/02/09
Received: 02/03/09

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
NWTPH-D TPH Diesel Range (Wa) Prep											**02/12/09**
NWTPH-D TPH Diesel Range (Wa)											
Total Pet. Hydrocarbons Diesel	TPHDIESEL	LA-523-493		1.40e+05	ug/kg			1.00	3.1e+03		02/19/09
Kerosene	TPHKEROSENE	LA-523-493	U	< 3.10e+03	ug/kg			1.00	3.1e+03		02/19/09
SW-846 8270C Semi-Vols Prep											**02/10/09**
SW-846 8270C Semi-Vols											
4-Nitrophenol	100-02-7	LA-523-456	U	< 210	ug/kg			1.00	2.1e+02		02/11/09
1,4-Dichlorobenzene	106-46-7	LA-523-456	U	< 250	ug/kg			1.00	2.5e+02		02/11/09
Phenol	108-95-2	LA-523-456	U	< 140	ug/kg			1.00	1.4e+02		02/11/09
1,2,4-Trichlorobenzene	120-82-1	LA-523-456	U	< 140	ug/kg			1.00	1.4e+02		02/11/09
2,4-Dinitrotoluene	121-14-2	LA-523-456	U	< 140	ug/kg			1.00	1.4e+02		02/11/09
Pyrene	129-00-0	LA-523-456	U	< 140	ug/kg			1.00	1.4e+02		02/11/09
4-Chloro-3-methylphenol	59-50-7	LA-523-456	U	< 140	ug/kg			1.00	1.4e+02		02/11/09
N-Nitrosodi-n-dipropylamine	621-64-7	LA-523-456	U	< 140	ug/kg			1.00	1.4e+02		02/11/09
Acenaphthene	83-32-9	LA-523-456	U	< 140	ug/kg			1.00	1.4e+02		02/11/09
Pentachlorophenol	87-86-5	LA-523-456	U	< 210	ug/kg			1.00	2.1e+02		02/11/09
2-Chlorophenol	95-57-8	LA-523-456	U	< 140	ug/kg			1.00	1.4e+02		02/11/09
4-Nitroaniline	100-01-6	LA-523-456	U	< 210	ug/kg			1.00	2.1e+02		02/11/09
4-Bromophenylphenyl ether	101-55-3	LA-523-456	U	< 140	ug/kg			1.00	1.4e+02		02/11/09
2,4-Dimethylphenol	105-67-9	LA-523-456	U	< 230	ug/kg			1.00	2.3e+02		02/11/09
4-Chloroaniline	106-47-8	LA-523-456	U	< 310	ug/kg			1.00	3.1e+02		02/11/09
Bis(2-chloro-1-methylethyl)eth	108-60-1	LA-523-456	U	< 140	ug/kg			1.00	1.4e+02		02/11/09
Bis(2-chloroethyl) ether	111-44-4	LA-523-456	U	< 140	ug/kg			1.00	1.4e+02		02/11/09
Bis(2-Chloroethoxy)methane	111-91-1	LA-523-456	U	< 140	ug/kg			1.00	1.4e+02		02/11/09
Bis(2-ethylhexyl) phthalate	117-81-7	LA-523-456		1.40e+03	ug/kg			1.00	1.4e+02		02/11/09

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

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WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent
SAF Number: F09-007
Sample # W09GR00106
Client ID: B1YDH2 GPP WSCF

Matrix: SOIL

Group #: WSCF20090122
Department: Organic
Sampled: 02/02/09
Received: 02/03/09

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
Di-n-octylphthalate	117-84-0	LA-523-456	U	< 210	ug/kg			1.00	2.1e+02		02/11/09
Hexachlorobenzene	118-74-1	LA-523-456	U	< 140	ug/kg			1.00	1.4e+02		02/11/09
Anthracene	120-12-7	LA-523-456	U	< 140	ug/kg			1.00	1.4e+02		02/11/09
2,4-Dichlorophenol	120-83-2	LA-523-456	U	< 140	ug/kg			1.00	1.4e+02		02/11/09
Dimethyl phthalate	131-11-3	LA-523-456	U	< 140	ug/kg			1.00	1.4e+02		02/11/09
Dibenzofuran	132-64-9	LA-523-456	U	< 140	ug/kg			1.00	1.4e+02		02/11/09
Benzo(ghi)perylene	191-24-2	LA-523-456	U	< 230	ug/kg			1.00	2.3e+02		02/11/09
Indeno(1,2,3-cd)pyrene	193-39-5	LA-523-456	U	< 250	ug/kg			1.00	2.5e+02		02/11/09
Benzo(b)fluoranthene	205-99-2	LA-523-456	U	< 180	ug/kg			1.00	1.8e+02		02/11/09
Fluoranthene	206-44-0	LA-523-456	U	< 140	ug/kg			1.00	1.4e+02		02/11/09
Benzo(k)fluoranthene	207-08-9	LA-523-456	U	< 180	ug/kg			1.00	1.8e+02		02/11/09
Acenaphthylene	208-96-8	LA-523-456	U	< 140	ug/kg			1.00	1.4e+02		02/11/09
Chrysene	218-01-9	LA-523-456	U	< 140	ug/kg			1.00	1.4e+02		02/11/09
Benzo(a)pyrene	50-32-8	LA-523-456	U	< 210	ug/kg			1.00	2.1e+02		02/11/09
2,4-Dinitrophenol	51-28-5	LA-523-456	U	< 620	ug/kg			1.00	6.2e+02		02/11/09
Dibenz[a,h]anthracene	53-70-3	LA-523-456	U	< 270	ug/kg			1.00	2.7e+02		02/11/09
4,6-Dinitro-2-methylphenol	534-52-1	LA-523-456	U	< 230	ug/kg			1.00	2.3e+02		02/11/09
1,3-Dichlorobenzene	541-73-1	LA-523-456	U	< 270	ug/kg			1.00	2.7e+02		02/11/09
Benzo(a)anthracene	56-55-3	LA-523-456	U	< 140	ug/kg			1.00	1.4e+02		02/11/09
2,6-Dinitrotoluene	606-20-2	LA-523-456	U	< 140	ug/kg			1.00	1.4e+02		02/11/09
4-Chlorophenylphenyl ether	7005-72-3	LA-523-456	U	< 140	ug/kg			1.00	1.4e+02		02/11/09
Hexachlorocyclopentadiene	77-47-4	LA-523-456	U	< 170	ug/kg			1.00	1.7e+02		02/11/09
Isophorone	78-59-1	LA-523-456	U	< 140	ug/kg			1.00	1.4e+02		02/11/09
Diethylphthalate	84-66-2	LA-523-456	J	330	ug/kg			1.00	2.1e+02		02/11/09
Di-n-butylphthalate	84-74-2	LA-523-456	J	510	ug/kg			1.00	1.4e+02		02/11/09

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

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WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent
SAF Number: F09-007
Sample # W09GR00106
Client ID: B1YDH2 GPP WSCF

Matrix: SOIL

Group #: WSCF20090122
Department: Organic
Sampled: 02/02/09
Received: 02/03/09

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
Phenanthrene	85-01-8	LA-523-456	U	< 140	ug/kg			1.00	1.4e+02		02/11/09
Butylbenzylphthalate	85-68-7	LA-523-456	U	< 140	ug/kg			1.00	1.4e+02		02/11/09
N-Nitrosodiphenylamine	86-30-6	LA-523-456	U	< 170	ug/kg			1.00	1.7e+02		02/11/09
Fluorene	86-73-7	LA-523-456	U	< 140	ug/kg			1.00	1.4e+02		02/11/09
Carbazole	86-74-8	LA-523-456	U	< 140	ug/kg			1.00	1.4e+02		02/11/09
Hexachlorobutadiene	87-68-3	LA-523-456	U	< 140	ug/kg			1.00	1.4e+02		02/11/09
2-Nitroaniline	88-74-4	LA-523-456	U	< 140	ug/kg			1.00	1.4e+02		02/11/09
2-Nitrophenol	88-75-5	LA-523-456	U	< 140	ug/kg			1.00	1.4e+02		02/11/09
Naphthalene	91-20-3	LA-523-456	U	< 140	ug/kg			1.00	1.4e+02		02/11/09
2-Methylnaphthalene	91-57-6	LA-523-456	U	< 140	ug/kg			1.00	1.4e+02		02/11/09
2-Chloronaphthalene	91-58-7	LA-523-456	U	< 140	ug/kg			1.00	1.4e+02		02/11/09
3,3'-Dichlorobenzidine	91-94-1	LA-523-456	U	< 270	ug/kg			1.00	2.7e+02		02/11/09
2-Methylphenol (cresol, o-)	95-48-7	LA-523-456	U	< 140	ug/kg			1.00	1.4e+02		02/11/09
1,2-Dichlorobenzene	95-50-1	LA-523-456	U	< 250	ug/kg			1.00	2.5e+02		02/11/09
2,4,5-Trichlorophenol	95-95-4	LA-523-456	U	< 140	ug/kg			1.00	1.4e+02		02/11/09
Nitrobenzene	98-95-3	LA-523-456	U	< 140	ug/kg			1.00	1.4e+02		02/11/09
3-Nitroaniline	99-09-2	LA-523-456	U	< 140	ug/kg			1.00	1.4e+02		02/11/09
3 & 4 Methylphenol Total	65794-96-9	LA-523-456	U	< 140	ug/kg			1.00	1.4e+02		02/11/09
Hexachloroethane	67-72-1	LA-523-456	U	< 230	ug/kg			1.00	2.3e+02		02/11/09
2,4,6-Trichlorophenol	88-06-2	LA-523-456	U	< 140	ug/kg			1.00	1.4e+02		02/11/09

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

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WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent
SAF Number: F09-007
Sample # W09GR00110
Client ID: B1YDF6 GPP WSCF

Matrix: SOIL

Group #: WSCF20090122
Department: Organic
Sampled: 02/02/09
Received: 02/03/09

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	< 3.30	ug/kg			1.00	3.3		02/11/09
Trichloroethene	79-01-6	LA-523-455	U	< 3.30	ug/kg			1.00	3.3		02/11/09
Benzene	71-43-2	LA-523-455	U	< 3.30	ug/kg			1.00	3.3		02/11/09
Toluene	108-88-3	LA-523-455	J	7.50	ug/kg			1.00	3.3		02/11/09
Chlorobenzene	108-90-7	LA-523-455	U	< 3.30	ug/kg			1.00	3.3		02/11/09
1,1-Dichloroethane	75-34-3	LA-523-455	U	< 3.30	ug/kg			1.00	3.3		02/11/09
Ethylbenzene	100-41-4	LA-523-455	U	< 3.30	ug/kg			1.00	3.3		02/11/09
Styrene	100-42-5	LA-523-455	J	10.0	ug/kg			1.00	3.3		02/11/09
cis-1,3-Dichloropropene	10061-01-5	LA-523-455	U	< 3.30	ug/kg			1.00	3.3		02/11/09
trans-1,3-Dichloropropene	10061-02-6	LA-523-455	U	< 3.30	ug/kg			1.00	3.3		02/11/09
1,2-Dichloroethane	107-06-2	LA-523-455	U	< 3.30	ug/kg			1.00	3.3		02/11/09
4-Methyl-2-Pentanone	108-10-1	LA-523-455	U	< 3.30	ug/kg			1.00	3.3		02/11/09
Dibromochloromethane	124-48-1	LA-523-455	U	< 3.30	ug/kg			1.00	3.3		02/11/09
Tetrachloroethene	127-18-4	LA-523-455	U	< 3.30	ug/kg			1.00	3.3		02/11/09
Xylenes (total)	1330-20-7	LA-523-455	U	< 3.30	ug/kg			1.00	3.3		02/11/09
1,2-Dichloroethene(Total)	540-59-0	LA-523-455	U	< 3.30	ug/kg			1.00	3.3		02/11/09
Carbon tetrachloride	56-23-5	LA-523-455	U	< 3.30	ug/kg			1.00	3.3		02/11/09
2-Hexanone	591-78-6	LA-523-455	U	< 3.30	ug/kg			1.00	3.3		02/11/09
Acetone	67-64-1	LA-523-455	U	< 3.30	ug/kg			1.00	3.3		02/11/09
Chloroform	67-66-3	LA-523-455	U	< 3.30	ug/kg			1.00	3.3		02/11/09
1,1,1-Trichloroethane	71-55-6	LA-523-455	U	< 3.30	ug/kg			1.00	3.3		02/11/09
Bromomethane	74-83-9	LA-523-455	U	< 3.30	ug/kg			1.00	3.3		02/11/09
Chloromethane	74-87-3	LA-523-455	U	< 3.30	ug/kg			1.00	3.3		02/11/09
Chloroethane	75-00-3	LA-523-455	U	< 3.30	ug/kg			1.00	3.3		02/11/09

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

Attention: Steve Trent
SAF Number: F09-007
Sample # W09GR00110
Client ID: B1YDF6 GPP WSCF

Matrix: SOIL

Group #: WSCF20090122
Department: Organic
Sampled: 02/02/09
Received: 02/03/09

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
Vinyl chloride	75-01-4	LA-523-455	U	< 3.30	ug/kg			1.00	3.3		02/11/09
Methylenechloride	75-09-2	LA-523-455	U	< 3.30	ug/kg			1.00	3.3		02/11/09
Carbon disulfide	75-15-0	LA-523-455	U	< 3.30	ug/kg			1.00	3.3		02/11/09
Bromoform	75-25-2	LA-523-455	U	< 3.30	ug/kg			1.00	3.3		02/11/09
Bromodichloromethane	75-27-4	LA-523-455	U	< 3.30	ug/kg			1.00	3.3		02/11/09
1,2-Dichloropropane	78-87-5	LA-523-455	U	< 3.30	ug/kg			1.00	3.3		02/11/09
2-Butanone	78-93-3	LA-523-455	U	< 3.30	ug/kg			1.00	3.3		02/11/09
1,1,2-Trichloroethane	79-00-5	LA-523-455	U	< 3.30	ug/kg			1.00	3.3		02/11/09
1,1,2,2-Tetrachloroethane	79-34-5	LA-523-455	U	< 3.30	ug/kg			1.00	3.3		02/11/09

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WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent
SAF Number: F09-007
Sample # W09GR00111
Client ID: B1YDH0 GPP WSCF

Matrix: SOIL

Group #: WSCF20090122
Department: Organic
Sampled: 02/02/09
Received: 02/03/09

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		02/11/09
Trichloroethene	79-01-6	LA-523-455	U	< 1.10	ug/kg			1.00	1.1		02/11/09
Benzene	71-43-2	LA-523-455	J	3.00	ug/kg			1.00	1.1		02/11/09
Toluene	108-88-3	LA-523-455	J	2.50	ug/kg			1.00	1.1		02/11/09
Chlorobenzene	108-90-7	LA-523-455	U	< 1.10	ug/kg			1.00	1.1		02/11/09
1,1-Dichloroethane	75-34-3	LA-523-455	U	< 1.10	ug/kg			1.00	1.1		02/11/09
Ethylbenzene	100-41-4	LA-523-455	U	< 1.10	ug/kg			1.00	1.1		02/11/09
Styrene	100-42-5	LA-523-455	J	3.40	ug/kg			1.00	1.1		02/11/09
cis-1,3-Dichloropropene	10061-01-5	LA-523-455	U	< 1.10	ug/kg			1.00	1.1		02/11/09
trans-1,3-Dichloropropene	10061-02-6	LA-523-455	U	< 1.10	ug/kg			1.00	1.1		02/11/09
1,2-Dichloroethane	107-06-2	LA-523-455	U	< 1.10	ug/kg			1.00	1.1		02/11/09
4-Methyl-2-Pentanone	108-10-1	LA-523-455	U	< 1.10	ug/kg			1.00	1.1		02/11/09
Dibromochloromethane	124-48-1	LA-523-455	U	< 1.10	ug/kg			1.00	1.1		02/11/09
Tetrachloroethene	127-18-4	LA-523-455	U	< 1.10	ug/kg			1.00	1.1		02/11/09
Xylenes (total)	1330-20-7	LA-523-455	U	< 1.10	ug/kg			1.00	1.1		02/11/09
1,2-Dichloroethene(Total)	540-59-0	LA-523-455	U	< 1.10	ug/kg			1.00	1.1		02/11/09
Carbon tetrachloride	56-23-5	LA-523-455	U	< 1.10	ug/kg			1.00	1.1		02/11/09
2-Hexanone	591-78-6	LA-523-455	U	< 1.10	ug/kg			1.00	1.1		02/11/09
Acetone	67-64-1	LA-523-455	U	< 1.10	ug/kg			1.00	1.1		02/11/09
Chloroform	67-66-3	LA-523-455	U	< 1.10	ug/kg			1.00	1.1		02/11/09
1,1,1-Trichloroethane	71-55-6	LA-523-455	U	< 1.10	ug/kg			1.00	1.1		02/11/09
Bromomethane	74-83-9	LA-523-455	U	< 1.10	ug/kg			1.00	1.1		02/11/09
Chloromethane	74-87-3	LA-523-455	U	< 1.10	ug/kg			1.00	1.1		02/11/09
Chloroethane	75-00-3	LA-523-455	U	< 1.10	ug/kg			1.00	1.1		02/11/09

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WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent
SAF Number: F09-007
Sample # W09GR00111
Client ID: B1YDH0 GPP WSCF

Matrix: SOIL

Group #: WSCF20090122
Department: Organic
Sampled: 02/02/09
Received: 02/03/09

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		02/11/09
Methylenechloride	75-09-2	LA-523-455	U	< 1.10	ug/kg			1.00	1.1		02/11/09
Carbon disulfide	75-15-0	LA-523-455	U	< 1.10	ug/kg			1.00	1.1		02/11/09
Bromoform	75-25-2	LA-523-455	U	< 1.10	ug/kg			1.00	1.1		02/11/09
Bromodichloromethane	75-27-4	LA-523-455	U	< 1.10	ug/kg			1.00	1.1		02/11/09
1,2-Dichloropropane	78-87-5	LA-523-455	U	< 1.10	ug/kg			1.00	1.1		02/11/09
2-Butanone	78-93-3	LA-523-455		7.30	ug/kg			1.00	1.1		02/11/09
1,1,2-Trichloroethane	79-00-5	LA-523-455	U	< 1.10	ug/kg			1.00	1.1		02/11/09
1,1,2,2-Tetrachloroethane	79-34-5	LA-523-455	U	< 1.10	ug/kg			1.00	1.1		02/11/09

MDL=Minimum Detection Limit
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WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent
SAF Number: F09-007
Sample # W09GR00112
Client ID: B1YDH4 GPP WSCF

Matrix: SOIL

Group #: WSCF20090122
Department: Organic
Sampled: 02/02/09
Received: 02/03/09

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		02/11/09
Trichloroethene	79-01-6	LA-523-455	U	< 1.10	ug/kg			1.00	1.1		02/11/09
Benzene	71-43-2	LA-523-455	U	< 1.10	ug/kg			1.00	1.1		02/11/09
Toluene	108-88-3	LA-523-455	U	< 1.10	ug/kg			1.00	1.1		02/11/09
Chlorobenzene	108-90-7	LA-523-455	U	< 1.10	ug/kg			1.00	1.1		02/11/09
1,1-Dichloroethane	75-34-3	LA-523-455	U	< 1.10	ug/kg			1.00	1.1		02/11/09
Ethylbenzene	100-41-4	LA-523-455	U	< 1.10	ug/kg			1.00	1.1		02/11/09
Styrene	100-42-5	LA-523-455	J	3.60	ug/kg			1.00	1.1		02/11/09
cis-1,3-Dichloropropene	10061-01-5	LA-523-455	U	< 1.10	ug/kg			1.00	1.1		02/11/09
trans-1,3-Dichloropropene	10061-02-6	LA-523-455	U	< 1.10	ug/kg			1.00	1.1		02/11/09
1,2-Dichloroethane	107-06-2	LA-523-455	U	< 1.10	ug/kg			1.00	1.1		02/11/09
4-Methyl-2-Pentanone	108-10-1	LA-523-455	U	< 1.10	ug/kg			1.00	1.1		02/11/09
Dibromochloromethane	124-48-1	LA-523-455	U	< 1.10	ug/kg			1.00	1.1		02/11/09
Tetrachloroethene	127-18-4	LA-523-455	U	< 1.10	ug/kg			1.00	1.1		02/11/09
Xylenes (total)	1330-20-7	LA-523-455	U	< 1.10	ug/kg			1.00	1.1		02/11/09
1,2-Dichloroethene(Total)	540-59-0	LA-523-455	U	< 1.10	ug/kg			1.00	1.1		02/11/09
Carbon tetrachloride	56-23-5	LA-523-455	U	< 1.10	ug/kg			1.00	1.1		02/11/09
2-Hexanone	591-78-6	LA-523-455	U	< 1.10	ug/kg			1.00	1.1		02/11/09
Acetone	67-64-1	LA-523-455		30.0	ug/kg			1.00	1.1		02/11/09
Chloroform	67-66-3	LA-523-455	U	< 1.10	ug/kg			1.00	1.1		02/11/09
1,1,1-Trichloroethane	71-55-6	LA-523-455	U	< 1.10	ug/kg			1.00	1.1		02/11/09
Bromomethane	74-83-9	LA-523-455	U	< 1.10	ug/kg			1.00	1.1		02/11/09
Chloromethane	74-87-3	LA-523-455	U	< 1.10	ug/kg			1.00	1.1		02/11/09
Chloroethane	75-00-3	LA-523-455	U	< 1.10	ug/kg			1.00	1.1		02/11/09

MDL = Minimum Detection Limit
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WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent
SAF Number: F09-007
Sample # W09GR00112
Client ID: B1YDH4 GPP WSCF

Matrix: SOIL

Group #: WSCF20090122
Department: Organic
Sampled: 02/02/09
Received: 02/03/09

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		02/11/09
Methylenechloride	75-09-2	LA-523-455	J	1.20	ug/kg			1.00	1.1		02/11/09
Carbon disulfide	75-15-0	LA-523-455	U	< 1.10	ug/kg			1.00	1.1		02/11/09
Bromoform	75-25-2	LA-523-455	U	< 1.10	ug/kg			1.00	1.1		02/11/09
Bromodichloromethane	75-27-4	LA-523-455	U	< 1.10	ug/kg			1.00	1.1		02/11/09
1,2-Dichloropropane	78-87-5	LA-523-455	U	< 1.10	ug/kg			1.00	1.1		02/11/09
2-Butanone	78-93-3	LA-523-455		7.20	ug/kg			1.00	1.1		02/11/09
1,1,2-Trichloroethane	79-00-5	LA-523-455	U	< 1.10	ug/kg			1.00	1.1		02/11/09
1,1,2,2-Tetrachloroethane	79-34-5	LA-523-455	U	< 1.10	ug/kg			1.00	1.1		02/11/09

MDL=Minimum Detection Limit
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WSCF
TENTATIVELY IDENTIFIED PEAK REPORT

Attention: Steve Trent
Project Number F09-007 :F09-007

Group #: WSCF20090122
Department: Organic

Sample #	Client ID		Test Name	Peak Name	CAS#	RT	RQ	Result	Units
W09GR00103	B1YDF2	GPP	VOA Ground Water Protection	SMP 11.162 hexane	110-54-3	11.16276		3.8	ug/kg
W09GR00103	B1YDF2	GPP	VOA Ground Water Protection	SMP 7.449 Trichlorofluoromethane	75-69-4	7.449083		3.0	ug/kg
W09GR00104	B1YDF4	GPP	SW-846 8270C Semi-Vols	SMP 12.263 Unknown Carboxylic aci	Unknown	12.2639	J	1.0e+03	ug/kg
W09GR00104	B1YDF4	GPP	SW-846 8270C Semi-Vols	SMP 12.557 Unknown Carboxylic aci	Unknown	12.55783	J	1.6e+03	ug/kg
W09GR00104	B1YDF4	GPP	SW-846 8270C Semi-Vols	SMP 13.637 Unknown	Unknown	13.6374	J	1.3e+03	ug/kg
W09GR00105	B1YDF8	GPP	SW-846 8270C Semi-Vols	SMP 12.846 Unknown Alkane	Unknown	12.8465	J	8.7e+02	ug/kg
W09GR00105	B1YDF8	GPP	SW-846 8270C Semi-Vols	SMP 14.989 Unknown	Unknown	14.9896	J	1.2e+03	ug/kg
W09GR00105	B1YDF8	GPP	SW-846 8270C Semi-Vols	SMP 18.212 Unknown	Unknown	18.21225	J	1.2e+03	ug/kg
W09GR00105	B1YDF8	GPP	SW-846 8270C Semi-Vols	SMP 18.303 Unknown	Unknown	18.3031	J	8.3e+02	ug/kg
W09GR00106	B1YDH2	GPP	SW-846 8270C Semi-Vols	SMP 10.174 Unknown Alkane	Unknown	10.17433	J	2.0e+03	ug/kg
W09GR00106	B1YDH2	GPP	SW-846 8270C Semi-Vols	SMP 10.826 Tetradecane	629-59-4	10.82633	J	2.9e+03	ug/kg
W09GR00106	B1YDH2	GPP	SW-846 8270C Semi-Vols	SMP 10.906 Nephthalene, 1,4-dimet	571-58-4	10.9065	J	2.7e+03	ug/kg
W09GR00106	B1YDH2	GPP	SW-846 8270C Semi-Vols	SMP 11.045 3-Hexadecene, (Z)-	34303-81-6	11.04545	J	1.4e+03	ug/kg
W09GR00106	B1YDH2	GPP	SW-846 8270C Semi-Vols	SMP 11.387 Unknown	Unknown	11.3875	J	1.3e+03	ug/kg
W09GR00106	B1YDH2	GPP	SW-846 8270C Semi-Vols	SMP 11.446 Unknown	Unknown	11.44628	J	1.5e+03	ug/kg
W09GR00106	B1YDH2	GPP	SW-846 8270C Semi-Vols	SMP 11.601 Unknown Alkane	Unknown	11.60126	J	2.1e+03	ug/kg
W09GR00106	B1YDH2	GPP	SW-846 8270C Semi-Vols	SMP 11.686 Naphthalene, 2,3,6-tri	829-26-5	11.68678	J	2.0e+03	ug/kg
W09GR00106	B1YDH2	GPP	SW-846 8270C Semi-Vols	SMP 11.895 Unknown	Unknown	11.89521	J	2.7e+03	ug/kg
W09GR00106	B1YDH2	GPP	SW-846 8270C Semi-Vols	SMP 12.247 Unknown	Unknown	12.24793	J	3.0e+03	ug/kg
W09GR00106	B1YDH2	GPP	SW-846 8270C Semi-Vols	SMP 12.563 Hexadecane, 2,6,10,14-	638-36-8	12.56326	J	3.2e+03	ug/kg
W09GR00106	B1YDH2	GPP	SW-846 8270C Semi-Vols	SMP 12.664 Unknown Aromatic	Unknown	12.6648	J	4.8e+03	ug/kg
W09GR00106	B1YDH2	GPP	SW-846 8270C Semi-Vols	SMP 12.862 Unknown	Unknown	12.86255	J	8.2e+03	ug/kg
W09GR00106	B1YDH2	GPP	SW-846 8270C Semi-Vols	SMP 13.247 Unknown Alkane	Unknown	13.24733	J	2.8e+03	ug/kg
W09GR00106	B1YDH2	GPP	SW-846 8270C Semi-Vols	SMP 13.562 Unknown	Unknown	13.56265	J	6.2e+03	ug/kg
W09GR00106	B1YDH2	GPP	SW-846 8270C Semi-Vols	SMP 13.877 Dibenzothiophene, 4-me	7372-88-5	13.87796	J	3.5e+03	ug/kg

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

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WSCF
TENTATIVELY IDENTIFIED PEAK REPORT

Attention: Steve Trent
Project Number F09-007 :F09-007

Group #: WSCF20090122
Department: Organic

Sample #	Client ID		Test Name	Peak Name	CAS#	RT	RQ	Result	Units
W09GR00106	B1YDH2	GPP	SW-846 8270C Semi-Vols	SMP 18.623 Methyl (7-hydroxy-1H-b	41261-35-2	18.62376	J	2.8e+03	ug/kg
W09GR00112	B1YDH4	GPP	VOA Ground Water Protection	SMP 11.185 hexane	110-54-3	11.18511		4.4	ug/kg
W09GR00112	B1YDH4	GPP	VOA Ground Water Protection	SMP 7.487 Trichlorofluoromethane	75-69-4	7.487533		4.0	ug/kg

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

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WSCF ANALYTICAL LABORATORY QC REPORT

Department: Organic

SDG Number: WSCF20090122
Matrix: SOLID
Test: SW-846 8270C Semi-Vols

Sample Date: 02/02/09
Receive Date:02/03/09

Lab ID: W09GR00101
BATCH QC ASSOCIATED WITH SAMPLE

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Lower Limit	Upper Limit	RPD(%)	RPD Limit	RQ	Analysis Date
MS	1,2,4-Trichlorobenzene	120-82-1	4318.8	104.000	% Recov	75.000	121.000				02/11/09
MS	1,4-Dichlorobenzene	106-46-7	4306.7	104.000	% Recov	68.000	121.000				02/11/09
MS	2,4-Dinitrotoluene	121-14-2	4130.3	99.600	% Recov	66.000	113.000				02/11/09
MS	2-Fluorophenol(Surr)	367-12-4	4391.4	106.000	% Recov	72.000	120.000				02/11/09
MS	Acenaphthene	83-32-9	4388.0	106.000	% Recov	69.000	125.000				02/11/09
MS	4-Chloro-3-methylphenol	59-50-7	6670.8	107.000	% Recov	68.000	116.000				02/11/09
MS	2-Chlorophenol	95-57-8	6618.8	106.000	% Recov	65.000	124.000				02/11/09
MS	N-Nitrosodi-n-dipropylamine	621-64-7	4418.7	107.000	% Recov	69.000	127.000				02/11/09
MS	2-Fluorobiphenyl(Surr)	321-60-8	4351.9	105.000	% Recov	66.000	122.000				02/11/09
MS	Phenol	108-95-2	6439.3	103.000	% Recov	71.000	122.000				02/11/09
MS	Nitrobenzene-d5(Surr)	4165-60-0	4417.3	106.000	% Recov	63.000	125.000				02/11/09
MS	4-Nitrophenol	100-02-7	6001.4	96.400	% Recov	55.000	113.000				02/11/09
MS	Pentachlorophenol	87-86-5	4040.6	64.900	% Recov	50.000	113.000				02/11/09
MS	Phenol-d5(Surr)	4165-62-2	4406.7	106.000	% Recov	66.000	124.000				02/11/09
MS	Pyrene	129-00-0	4911.5	118.000	% Recov	67.000	125.000				02/11/09
MS	2,4,6-Tribromophenol(Surr)	118-79-6	4091.0	98.600	% Recov	49.000	120.000				02/11/09
MS	Terphenyl-d14(Surr)	98904-43-9	5059.7	122.000	% Recov	58.000	128.000				02/11/09
MSD	1,2,4-Trichlorobenzene	120-82-1	4220.9	102.000	% Recov	75.000	121.000				02/11/09
MSD	1,4-Dichlorobenzene	106-46-7	4294.9	104.000	% Recov	68.000	121.000				02/11/09
MSD	2,4-Dinitrotoluene	121-14-2	4125.3	99.600	% Recov	66.000	113.000				02/11/09
MSD	2-Fluorophenol(Surr)	367-12-4	4270.8	103.000	% Recov	72.000	120.000				02/11/09
MSD	Acenaphthene	83-32-9	4311.8	104.000	% Recov	69.000	125.000				02/11/09
MSD	4-Chloro-3-methylphenol	59-50-7	6391.0	103.000	% Recov	68.000	116.000				02/11/09
MSD	2-Chlorophenol	95-57-8	6594.0	106.000	% Recov	65.000	124.000				02/11/09
MSD	N-Nitrosodi-n-dipropylamine	621-64-7	4421.7	107.000	% Recov	69.000	127.000				02/11/09
MSD	2-Fluorobiphenyl(Surr)	321-60-8	4303.6	104.000	% Recov	66.000	122.000				02/11/09

WSCF ANALYTICAL LABORATORY QC REPORT

Department: Organic

SDG Number: WSCF20090122
Matrix: SOLID
Test: SW-846 8270C Semi-Vols

Sample Date: 02/02/09
Receive Date:02/03/09

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Lower Limit	Upper Limit	RPD(%)	RPD Limit	RQ	Analysis Date
MSD	Phenol	108-95-2	6412.6	103.000	% Recov	71.000	122.000				02/11/09
MSD	Nitrobenzene-d5(Surr)	4165-60-0	4354.3	105.000	% Recov	63.000	125.000				02/11/09
MSD	4-Nitrophenol	100-02-7	5176.0	83.300	% Recov	55.000	113.000				02/11/09
MSD	Pentachlorophenol	87-86-5	3969.3	63.900	% Recov	50.000	113.000				02/11/09
MSD	Phenol-d5(Surr)	4165-62-2	4373.2	106.000	% Recov	66.000	124.000				02/11/09
MSD	Pyrene	129-00-0	4881.8	118.000	% Recov	67.000	125.000				02/11/09
MSD	2,4,6-Tribromophenol(Surr)	118-79-6	3961.1	95.600	% Recov	49.000	120.000				02/11/09
MSD	Terphenyl-d14(Surr)	98904-43-9	4948.0	119.000	% Recov	58.000	128.000				02/11/09
SPK-RPD	1,2,4-Trichlorobenzene	120-82-1	102.000		RPD			1.942	20.000		02/11/09
SPK-RPD	1,4-Dichlorobenzene	106-46-7	104.000		RPD			0.000	20.000		02/11/09
SPK-RPD	2,4-Dinitrotoluene	121-14-2	99.600		RPD			0.000	20.000		02/11/09
SPK-RPD	2-Fluorophenol(Surr)	367-12-4	103.000		RPD			2.871	20.000		02/11/09
SPK-RPD	Acenaphthene	83-32-9	104.000		RPD			1.905	20.000		02/11/09
SPK-RPD	4-Chloro-3-methylphenol	59-50-7	103.000		RPD			3.810	20.000		02/11/09
SPK-RPD	2-Chlorophenol	95-57-8	106.000		RPD			0.000	20.000		02/11/09
SPK-RPD	N-Nitrosodi-n-dipropylamine	621-64-7	107.000		RPD			0.000	20.000		02/11/09
SPK-RPD	2-Fluorobiphenyl(Surr)	321-60-8	104.000		RPD			0.957	20.000		02/11/09
SPK-RPD	Phenol	108-95-2	103.000		RPD			0.000	20.000		02/11/09
SPK-RPD	Nitrobenzene-d5(Surr)	4165-60-0	105.000		RPD			0.948	20.000		02/11/09
SPK-RPD	4-Nitrophenol	100-02-7	83.300		RPD			14.580	20.000		02/11/09
SPK-RPD	Pentachlorophenol	87-86-5	63.900		RPD			1.553	20.000		02/11/09
SPK-RPD	Phenol-d5(Surr)	4165-62-2	106.000		RPD			0.000	20.000		02/11/09
SPK-RPD	Pyrene	129-00-0	118.000		RPD			0.000	20.000		02/11/09
SPK-RPD	2,4,6-Tribromophenol(Surr)	118-79-6	95.600		RPD			3.090	20.000		02/11/09
SPK-RPD	Terphenyl-d14(Surr)	98904-43-9	119.000		RPD			2.490	20.000		02/11/09
SURR	2-Fluorophenol(Surr)	367-12-4	3946.5	97.000	% Recov	72.000	120.000				02/11/09
SURR	2-Fluorobiphenyl(Surr)	321-60-8	3721.3	91.400	% Recov	66.000	122.000				02/11/09
SURR	Nitrobenzene-d5(Surr)	4165-60-0	3848.7	94.600	% Recov	63.000	125.000				02/11/09
SURR	Phenol-d5(Surr)	4165-62-2	3827.9	94.100	% Recov	66.000	124.000				02/11/09
SURR	2,4,6-Tribromophenol(Surr)	118-79-6	3493.3	85.800	% Recov	49.000	120.000				02/11/09

WSCF ANALYTICAL LABORATORY QC REPORT

Department: Organic

SDG Number: WSCF20090122
Matrix: SOLID
Test: SW-846 8270C Semi-Vols

Sample Date: 02/02/09
Receive Date:02/03/09

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Lower Limit	Upper Limit	RPD(%)	RPD Limit	RQ	Analysis Date
SURR	Terphenyl-d14(Surr)	98904-43-9	4342.2	107.000	% Recov	58.000	128.000				02/11/09
Lab ID: W09GR00104											
BATCH QC ASSOCIATED WITH SAMPLE											
SURR	2-Fluorophenol(Surr)	367-12-4	4447.0	107.000	% Recov	72.000	120.000				02/11/09
SURR	2-Fluorobiphenyl(Surr)	321-60-8	4263.5	103.000	% Recov	66.000	122.000				02/11/09
SURR	Nitrobenzene-d5(Surr)	4165-60-0	4415.2	107.000	% Recov	63.000	125.000				02/11/09
SURR	Phenol-d5(Surr)	4165-62-2	4308.8	104.000	% Recov	66.000	124.000				02/11/09
SURR	2,4,6-Tribromophenol(Surr)	118-79-6	3884.0	93.700	% Recov	49.000	120.000				02/11/09
SURR	Terphenyl-d14(Surr)	98904-43-9	5058.2	122.000	% Recov	58.000	128.000				02/11/09
Lab ID: W09GR00105											
BATCH QC ASSOCIATED WITH SAMPLE											
SURR	2-Fluorophenol(Surr)	367-12-4	4029.1	97.900	% Recov	72.000	120.000				02/11/09
SURR	2-Fluorobiphenyl(Surr)	321-60-8	3913.6	95.100	% Recov	66.000	122.000				02/11/09
SURR	Nitrobenzene-d5(Surr)	4165-60-0	4108.0	99.800	% Recov	63.000	125.000				02/11/09
SURR	Phenol-d5(Surr)	4165-62-2	4040.2	98.200	% Recov	66.000	124.000				02/11/09
SURR	2,4,6-Tribromophenol(Surr)	118-79-6	3664.1	89.000	% Recov	49.000	120.000				02/11/09
SURR	Terphenyl-d14(Surr)	98904-43-9	4599.1	112.000	% Recov	58.000	128.000				02/11/09
Lab ID: W09GR00106											
BATCH QC ASSOCIATED WITH SAMPLE											
SURR	2-Fluorophenol(Surr)	367-12-4	4259.4	103.000	% Recov	72.000	120.000				02/11/09
SURR	2-Fluorobiphenyl(Surr)	321-60-8	4178.8	101.000	% Recov	66.000	122.000				02/11/09
SURR	Nitrobenzene-d5(Surr)	4165-60-0	4387.6	106.000	% Recov	63.000	125.000				02/11/09
SURR	Phenol-d5(Surr)	4165-62-2	4290.1	104.000	% Recov	66.000	124.000				02/11/09
SURR	2,4,6-Tribromophenol(Surr)	118-79-6	3828.0	92.700	% Recov	49.000	120.000				02/11/09
SURR	Terphenyl-d14(Surr)	98904-43-9	4790.4	116.000	% Recov	58.000	128.000				02/11/09

WSCF ANALYTICAL LABORATORY QC REPORT

Department: Organic

SDG Number: WSCF20090122
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
BATCH QC											
BLANK	1,2-Dichlorobenzene	95-50-1	< 240	n/a	ug/Kg					U	02/11/09
BLANK	1,2,4-Trichlorobenzene	120-82-1	< 140	n/a	ug/Kg					U	02/11/09
BLANK	1,3-Dichlorobenzene	541-73-1	< 260	n/a	ug/Kg					U	02/11/09
BLANK	1,4-Dichlorobenzene	106-46-7	< 240	n/a	ug/Kg					U	02/11/09
BLANK	2,4-Dichlorophenol	120-83-2	< 140	n/a	ug/Kg					U	02/11/09
BLANK	2,4-Dinitrotoluene	121-14-2	< 140	n/a	ug/Kg					U	02/11/09
BLANK	2,4,5-Trichlorophenol	95-95-4	< 140	n/a	ug/Kg					U	02/11/09
BLANK	2,4,6-Trichlorophenol	88-06-2	< 140	n/a	ug/Kg					U	02/11/09
BLANK	2,4-Dimethylphenol	105-67-9	< 220	n/a	ug/Kg					U	02/11/09
BLANK	2,6-Dinitrotoluene	606-20-2	< 140	n/a	ug/Kg					U	02/11/09
BLANK	2-Chloronaphthalene	91-58-7	< 140	n/a	ug/Kg					U	02/11/09
BLANK	2-Fluorophenol(Surr)	367-12-4	4113.2	103.000	% Recov	72.000	120.000				02/11/09
BLANK	2-Methylnaphthalene	91-57-6	< 140	n/a	ug/Kg					U	02/11/09
BLANK	2-Methylphenol (cresol, o-)	95-48-7	< 140	n/a	ug/Kg					U	02/11/09
BLANK	2-Nitroaniline	88-74-4	< 140	n/a	ug/Kg					U	02/11/09
BLANK	2-Nitrophenol	88-75-5	< 140	n/a	ug/Kg					U	02/11/09
BLANK	3 & 4 Methylphenol Total	65794-96-9	< 140	n/a	ug/Kg					U	02/11/09
BLANK	3-Nitroaniline	99-09-2	< 140	n/a	ug/Kg					U	02/11/09
BLANK	4,6-Dinitro-2-methylphenol	534-52-1	< 220	n/a	ug/Kg					U	02/11/09
BLANK	4-Bromophenylphenyl ether	101-55-3	< 140	n/a	ug/Kg					U	02/11/09
BLANK	4-Chlorophenylphenyl ether	7005-72-3	< 140	n/a	ug/Kg					U	02/11/09
BLANK	Acenaphthene	83-32-9	< 140	n/a	ug/Kg					U	02/11/09
BLANK	Acenaphthylene	208-96-8	< 140	n/a	ug/Kg					U	02/11/09
BLANK	Anthracene	120-12-7	< 140	n/a	ug/Kg					U	02/11/09
BLANK	Bis(2-chloroethyl) ether	111-44-4	< 140	n/a	ug/Kg					U	02/11/09
BLANK	Benzo(a)anthracene	56-55-3	< 140	n/a	ug/Kg					U	02/11/09
BLANK	Benzo(b)fluoranthene	205-99-2	< 170	n/a	ug/Kg					U	02/11/09
BLANK	Benzo(ghi)perylene	191-24-2	< 220	n/a	ug/Kg					U	02/11/09

WSCF ANALYTICAL LABORATORY QC REPORT

Department: Organic

SDG Number: WSCF20090122
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	Benzo(a)pyrene	50-32-8	< 200	n/a	ug/Kg					U	02/11/09
BLANK	Bis(2-Chloroethoxy)methane	111-91-1	< 140	n/a	ug/Kg					U	02/11/09
BLANK	Bis(2-ethylhexyl) phthalate	117-81-7	< 140	n/a	ug/Kg					U	02/11/09
BLANK	Bis(2-chloro-1-methylethyl)eth	108-60-1	< 140	n/a	ug/Kg					U	02/11/09
BLANK	Benzo(k)fluoranthene	207-08-9	< 170	n/a	ug/Kg					U	02/11/09
BLANK	Butylbenzylphthalate	85-68-7	< 140	n/a	ug/Kg					U	02/11/09
BLANK	Carbazole	86-74-8	< 140	n/a	ug/Kg					U	02/11/09
BLANK	4-Chloroaniline	106-47-8	< 300	n/a	ug/Kg					U	02/11/09
BLANK	4-Chloro-3-methylphenol	59-50-7	< 140	n/a	ug/Kg					U	02/11/09
BLANK	2-Chlorophenol	95-57-8	< 140	n/a	ug/Kg					U	02/11/09
BLANK	Chrysene	218-01-9	< 140	n/a	ug/Kg					U	02/11/09
BLANK	3,3'-Dichlorobenzidine	91-94-1	< 260	n/a	ug/Kg					U	02/11/09
BLANK	Dibenz[a,h]anthracene	53-70-3	< 260	n/a	ug/Kg					U	02/11/09
BLANK	Dibenzofuran	132-64-9	< 140	n/a	ug/Kg					U	02/11/09
BLANK	Di-n-butylphthalate	84-74-2	< 140	n/a	ug/Kg					U	02/11/09
BLANK	Diethylphthalate	84-66-2	< 210	n/a	ug/Kg					U	02/11/09
BLANK	Dimethyl phthalate	131-11-3	< 140	n/a	ug/Kg					U	02/11/09
BLANK	2,4-Dinitrophenol	51-28-5	< 600	n/a	ug/Kg					U	02/11/09
BLANK	Di-n-octylphthalate	117-84-0	< 200	n/a	ug/Kg					U	02/11/09
BLANK	N-Nitrosodi-n-dipropylamine	621-64-7	< 140	n/a	ug/Kg					U	02/11/09
BLANK	2-Fluorobiphenyl(Surr)	321-60-8	4034.4	101.000	% Recov	66.000	122.000				02/11/09
BLANK	Fluorene	86-73-7	< 140	n/a	ug/Kg					U	02/11/09
BLANK	Fluoranthene	206-44-0	< 140	n/a	ug/Kg					U	02/11/09
BLANK	Hexachlorobenzene	118-74-1	< 140	n/a	ug/Kg					U	02/11/09
BLANK	Hexachlorobutadiene	87-68-3	< 140	n/a	ug/Kg					U	02/11/09
BLANK	Hexachlorocyclopentadiene	77-47-4	< 160	n/a	ug/Kg					U	02/11/09
BLANK	Hexachloroethane	67-72-1	< 230	n/a	ug/Kg					U	02/11/09
BLANK	Indeno(1,2,3-cd)pyrene	193-39-5	< 240	n/a	ug/Kg					U	02/11/09
BLANK	Isophorone	78-59-1	< 140	n/a	ug/Kg					U	02/11/09
BLANK	Phenol	108-95-2	< 140	n/a	ug/Kg					U	02/11/09

WSCF ANALYTICAL LABORATORY QC REPORT

Department: Organic

SDG Number: WSCF20090122
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	Naphthalene	91-20-3	< 140	n/a	ug/Kg					U	02/11/09
BLANK	Nitrobenzene-d5(Surr)	4165-60-0	4099.3	102.000	% Recov	63.000	125.000				02/11/09
BLANK	Nitrobenzene	98-95-3	< 140	n/a	ug/Kg					U	02/11/09
BLANK	4-Nitrophenol	100-02-7	< 200	n/a	ug/Kg					U	02/11/09
BLANK	4-Nitroaniline	100-01-6	< 200	n/a	ug/Kg					U	02/11/09
BLANK	N-Nitrosodiphenylamine	86-30-6	< 160	n/a	ug/Kg					U	02/11/09
BLANK	Pentachlorophenol	87-86-5	< 200	n/a	ug/Kg					U	02/11/09
BLANK	Phenanthrene	85-01-8	< 140	n/a	ug/Kg					U	02/11/09
BLANK	Phenol-d5(Surr)	4165-62-2	4050.5	101.000	% Recov	66.000	124.000				02/11/09
BLANK	Pyrene	129-00-0	< 140	n/a	ug/Kg					U	02/11/09
BLANK	2,4,6-Tribromophenol(Surr)	118-79-6	3420.1	85.500	% Recov	49.000	120.000				02/11/09
BLANK	Terphenyl-d14(Surr)	98904-43-9	4537.5	113.000	% Recov	58.000	128.000				02/11/09
LCS	1,2,4-Trichlorobenzene	120-82-1	4035.9	101.000	% Recov	76.000	118.000				02/11/09
LCS	1,4-Dichlorobenzene	106-46-7	4031.0	101.000	% Recov	68.000	121.000				02/11/09
LCS	2,4-Dinitrotoluene	121-14-2	3875.5	96.900	% Recov	68.000	112.000				02/11/09
LCS	2-Fluorophenol(Surr)	367-12-4	4187.7	105.000	% Recov	50.000	110.000				02/11/09
LCS	Acenaphthene	83-32-9	4100.3	103.000	% Recov	75.000	121.000				02/11/09
LCS	4-Chloro-3-methylphenol	59-50-7	6015.6	100.000	% Recov	68.000	117.000				02/11/09
LCS	2-Chlorophenol	95-57-8	6140.8	102.000	% Recov	84.000	114.000				02/11/09
LCS	N-Nitrosodi-n-dipropylamine	621-64-7	4125.8	103.000	% Recov	76.000	119.000				02/11/09
LCS	2-Fluorobiphenyl(Surr)	321-60-8	4070.9	102.000	% Recov	58.000	109.000				02/11/09
LCS	Phenol	108-95-2	5952.3	99.200	% Recov	80.000	113.000				02/11/09
LCS	Nitrobenzene-d5(Surr)	4165-60-0	4280.9	107.000	% Recov	60.000	118.000				02/11/09
LCS	4-Nitrophenol	100-02-7	4786.1	79.800	% Recov	42.000	123.000				02/11/09
LCS	Pentachlorophenol	87-86-5	4970.6	82.800	% Recov	55.000	120.000				02/11/09
LCS	Phenol-d5(Surr)	4165-62-2	4149.1	104.000	% Recov	59.000	116.000				02/11/09
LCS	Pyrene	129-00-0	4865.6	122.000	% Recov	67.000	122.000				02/11/09
LCS	2,4,6-Tribromophenol(Surr)	118-79-6	3837.4	95.900	% Recov	60.000	120.000				02/11/09
LCS	Terphenyl-d14(Surr)	98904-43-9	4933.0	123.000	% Recov	60.000	120.000				02/11/09

WSCF ANALYTICAL LABORATORY QC REPORT

Department: Organic

SDG Number: WSCF20090122
Matrix: SOLID
Test: NWTPH-D TPH Diesel Range (Wa)

Sample Date: 02/02/09
Receive Date:02/03/09

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Lower Limit	Upper Limit	RPD(%)	RPD Limit	RQ	Analysis Date
Lab ID: W09GR00101											
BATCH QC ASSOCIATED WITH SAMPLE											
MS	ortho-Terphenyl Surr	84-15-1	19445	93.600	% Recov	70.000	130.000				02/19/09
MS	Total Pet. Hydrocarbons Diesel	TPHDIESEL	103450	99.600	% Recov	75.000	125.000				02/19/09
MSD	ortho-Terphenyl Surr	84-15-1	20495	99.622	% Recov	70.000	130.000				02/20/09
MSD	Total Pet. Hydrocarbons Diesel	TPHDIESEL	101840	99.000	% Recov	75.000	125.000				02/20/09
SPK-RPD	ortho-Terphenyl Surr	84-15-1	99.622		RPD			6.233	20.000		02/20/09
SPK-RPD	Total Pet. Hydrocarbons Diesel	TPHDIESEL	99.000		RPD			0.604	20.000		02/19/09
SURR	ortho-Terphenyl Surr	84-15-1	21148	102.000	% Recov	70.000	130.000				02/19/09
Lab ID: W09GR00104											
BATCH QC ASSOCIATED WITH SAMPLE											
SURR	ortho-Terphenyl Surr	84-15-1	19521	93.600	% Recov	70.000	130.000				02/19/09
Lab ID: W09GR00105											
BATCH QC ASSOCIATED WITH SAMPLE											
SURR	ortho-Terphenyl Surr	84-15-1	19174	92.000	% Recov	70.000	130.000				02/19/09
Lab ID: W09GR00106											
BATCH QC ASSOCIATED WITH SAMPLE											
SURR	ortho-Terphenyl Surr	84-15-1	18651	89.800	% Recov	70.000	130.000				02/19/09
BATCH QC											
BLANK	Kerosene	TPHKEROSENE	< 3000	n/a	ug/Kg					U	02/19/09
BLANK	ortho-Terphenyl Surr	84-15-1	16647	83.200	% Recov	70.000	130.000				02/19/09
BLANK	Total Pet. Hydrocarbons Diesel	TPHDIESEL	< 3000	n/a	ug/Kg					U	02/19/09
LCS	ortho-Terphenyl Surr	84-15-1	20342	102.000	% Recov	70.000	130.000				02/19/09
LCS	Total Pet. Hydrocarbons Diesel	TPHDIESEL	100510	101.000	% Recov	80.000	120.000				02/19/09

WSCF ANALYTICAL LABORATORY QC REPORT

Department: Organic

SDG Number: WSCF20090122
Matrix: SOLID
Test: VOA Ground Water Protection

Sample Date: 01/29/09
Receive Date:01/29/09

Lab ID: W09GR00093
BATCH QC ASSOCIATED WITH SAMPLE

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Lower Limit	Upper Limit	RPD(%)	RPD Limit	RQ	Analysis Date
MS	1,1-Dichloroethene	75-35-4	21.760	80.300	% Recov	63.000	117.000				02/11/09
MS	Benzene	71-43-2	24.030	88.700	% Recov	75.000	129.000				02/11/09
MS	4-Bromofluorobenzene(Surr)	460-00-4	52.360	96.600	% Recov	75.000	125.000				02/11/09
MS	Chlorobenzene	108-90-7	28.630	106.000	% Recov	79.000	119.000				02/11/09
MS	1,2-Dichloroethane-d4(Surr)	17060-07-0	61.770	114.000	% Recov	75.000	125.000				02/11/09
MS	Toluene-d8(Surr)	2037-26-5	52.290	96.500	% Recov	75.000	125.000				02/11/09
MS	Toluene	108-88-3	26.840	99.000	% Recov	76.000	120.000				02/11/09
MS	Trichloroethene	79-01-6	21.230	78.300	% Recov	73.000	123.000				02/11/09
MSD	1,1-Dichloroethene	75-35-4	21.410	82.300	% Recov	63.000	117.000				02/11/09
MSD	Benzene	71-43-2	23.440	90.100	% Recov	75.000	129.000				02/11/09
MSD	4-Bromofluorobenzene(Surr)	460-00-4	51.310	98.600	% Recov	75.000	125.000				02/11/09
MSD	Chlorobenzene	108-90-7	28.080	108.000	% Recov	79.000	119.000				02/11/09
MSD	1,2-Dichloroethane-d4(Surr)	17060-07-0	59.540	114.000	% Recov	75.000	125.000				02/11/09
MSD	Toluene-d8(Surr)	2037-26-5	50.470	97.000	% Recov	75.000	125.000				02/11/09
MSD	Toluene	108-88-3	26.190	101.000	% Recov	76.000	120.000				02/11/09
MSD	Trichloroethene	79-01-6	21.290	81.800	% Recov	73.000	123.000				02/11/09
SPK-RPD	1,1-Dichloroethene	75-35-4	82.300		RPD			2.460	20.000		02/11/09
SPK-RPD	Benzene	71-43-2	90.100		RPD			1.566	20.000		02/11/09
SPK-RPD	4-Bromofluorobenzene(Surr)	460-00-4	98.600		RPD			2.049	20.000		02/11/09
SPK-RPD	Chlorobenzene	108-90-7	108.000		RPD			1.869	20.000		02/11/09
SPK-RPD	1,2-Dichloroethane-d4(Surr)	17060-07-0	114.000		RPD			0.000	20.000		02/11/09
SPK-RPD	Toluene-d8(Surr)	2037-26-5	97.000		RPD			0.517	20.000		02/11/09
SPK-RPD	Toluene	108-88-3	101.000		RPD			2.000	20.000		02/11/09
SPK-RPD	Trichloroethene	79-01-6	81.800		RPD			4.372	20.000		02/11/09

WSCF ANALYTICAL LABORATORY QC REPORT

Department: Organic

SDG Number: WSCF20090122
Matrix: SOLID
Test: VOA Ground Water Protection

Sample Date: 02/02/09
Receive Date:02/03/09

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Lower Limit	Upper Limit	RPD(%)	RPD Limit	RQ	Analysis Date
Lab ID: W09GR00103											
BATCH QC ASSOCIATED WITH SAMPLE											
SURR	4-Bromofluorobenzene(Surr)	460-00-4	47.850	99.100	% Recov	75.000	125.000				02/11/09
SURR	1,2-Dichloroethane-d4(Surr)	17060-07-0	55.060	114.000	% Recov	75.000	125.000				02/11/09
SURR	Toluene-d8(Surr)	2037-26-5	47.360	98.100	% Recov	80.000	126.000				02/11/09
Lab ID: W09GR00110											
BATCH QC ASSOCIATED WITH SAMPLE											
SURR	4-Bromofluorobenzene(Surr)	460-00-4	158.80	97.100	% Recov	75.000	125.000				02/11/09
SURR	1,2-Dichloroethane-d4(Surr)	17060-07-0	182.90	112.000	% Recov	75.000	125.000				02/11/09
SURR	Toluene-d8(Surr)	2037-26-5	161.00	98.400	% Recov	80.000	126.000				02/11/09
Lab ID: W09GR00111											
BATCH QC ASSOCIATED WITH SAMPLE											
SURR	4-Bromofluorobenzene(Surr)	460-00-4	54.160	99.600	% Recov	75.000	125.000				02/11/09
SURR	1,2-Dichloroethane-d4(Surr)	17060-07-0	60.490	111.000	% Recov	75.000	125.000				02/11/09
SURR	Toluene-d8(Surr)	2037-26-5	53.390	98.200	% Recov	80.000	126.000				02/11/09
Lab ID: W09GR00112											
BATCH QC ASSOCIATED WITH SAMPLE											
SURR	4-Bromofluorobenzene(Surr)	460-00-4	56.880	105.000	% Recov	75.000	125.000				02/11/09
SURR	1,2-Dichloroethane-d4(Surr)	17060-07-0	62.120	114.000	% Recov	75.000	125.000				02/11/09
SURR	Toluene-d8(Surr)	2037-26-5	54.720	101.000	% Recov	80.000	126.000				02/11/09
BATCH QC											
BLANK	1,1-Dichloroethane	75-34-3	< 1.0	n/a	ug/Kg					U	02/11/09
BLANK	1,1,1-Trichloroethane	71-55-6	< 1.0	n/a	ug/Kg					U	02/11/09
BLANK	1,1,2-Trichloroethane	79-00-5	< 1.0	n/a	ug/Kg					U	02/11/09
BLANK	1,1,2,2-Tetrachloroethane	79-34-5	< 1.0	n/a	ug/Kg					U	02/11/09

WSCF ANALYTICAL LABORATORY QC REPORT

Department: Organic

SDG Number: WSCF20090122
Matrix: SOLID
Test: VOA Ground Water Protection

Sample Date:
Receive Date:

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Lower Limit	Upper Limit	RPD(%)	RPD Limit	RQ	Analysis Date
BLANK	1,1-Dichloroethene	75-35-4	< 1.0	n/a	ug/Kg					U	02/11/09
BLANK	1,2-Dichloroethane	107-06-2	< 1.0	n/a	ug/Kg					U	02/11/09
BLANK	1,2-Dichloroethene(Total)	540-59-0	< 1.0	n/a	ug/Kg					U	02/11/09
BLANK	2-Hexanone	591-78-6	< 1.0	n/a	ug/Kg					U	02/11/09
BLANK	4-Methyl-2-Pentanone	108-10-1	< 1.0	n/a	ug/Kg					U	02/11/09
BLANK	Acetone	67-64-1	< 1.0	n/a	ug/Kg					U	02/11/09
BLANK	Bromodichloromethane	75-27-4	< 1.0	n/a	ug/Kg					U	02/11/09
BLANK	Benzene	71-43-2	< 1.0	n/a	ug/Kg					U	02/11/09
BLANK	4-Bromofluorobenzene(Surr)	460-00-4	49.000	98.000	% Recov	75.000	125.000				02/11/09
BLANK	Bromoform	75-25-2	< 1.0	n/a	ug/Kg					U	02/11/09
BLANK	Carbon disulfide	75-15-0	< 1.0	n/a	ug/Kg					U	02/11/09
BLANK	Carbon tetrachloride	56-23-5	< 1.0	n/a	ug/Kg					U	02/11/09
BLANK	Dibromochloromethane	124-48-1	< 1.0	n/a	ug/Kg					U	02/11/09
BLANK	Chloroform	67-66-3	< 1.0	n/a	ug/Kg					U	02/11/09
BLANK	Chlorobenzene	108-90-7	< 1.0	n/a	ug/Kg					U	02/11/09
BLANK	cis-1,3-Dichloropropene	10061-01-5	< 1.0	n/a	ug/Kg					U	02/11/09
BLANK	Chloroethane	75-00-3	< 1.0	n/a	ug/Kg					U	02/11/09
BLANK	1,2-Dichloroethane-d4(Surr)	17060-07-0	55.640	111.000	% Recov	75.000	125.000				02/11/09
BLANK	1,2-Dichloropropane	78-87-5	< 1.0	n/a	ug/Kg					U	02/11/09
BLANK	Ethylbenzene	100-41-4	< 1.0	n/a	ug/Kg					U	02/11/09
BLANK	Bromomethane	74-83-9	< 1.0	n/a	ug/Kg					U	02/11/09
BLANK	Chloromethane	74-87-3	< 1.0	n/a	ug/Kg					U	02/11/09
BLANK	2-Butanone	78-93-3	< 1.0	n/a	ug/Kg					U	02/11/09
BLANK	Methylenechloride	75-09-2	< 1.0	n/a	ug/Kg					U	02/11/09
BLANK	Tetrachloroethene	127-18-4	< 1.0	n/a	ug/Kg					U	02/11/09
BLANK	Styrene	100-42-5	< 1.0	n/a	ug/Kg					U	02/11/09
BLANK	Xylenes (total)	1330-20-7	< 1.0	n/a	ug/Kg					U	02/11/09
BLANK	Toluene-d8(Surr)	2037-26-5	48.900	97.800	% Recov	80.000	126.000				02/11/09
BLANK	Toluene	108-88-3	< 1.0	n/a	ug/Kg					U	02/11/09
BLANK	trans-1,3-Dichloropropene	10061-02-6	< 1.0	n/a	ug/Kg					U	02/11/09

WSCF ANALYTICAL LABORATORY QC REPORT

Department: Organic

SDG Number: WSCF20090122
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	Trichloroethene	79-01-6	< 1.0	n/a	ug/Kg					U	02/11/09
BLANK	Vinyl chloride	75-01-4	< 1.0	n/a	ug/Kg					U	02/11/09
LCS	1,1-Dichloroethene	75-35-4	19.820	79.300	% Recov	75.000	125.000				02/12/09
LCS	Benzene	71-43-2	22.000	88.000	% Recov	75.000	125.000				02/12/09
LCS	4-Bromofluorobenzene(Surr)	460-00-4	49.320	98.600	% Recov	75.000	125.000				02/12/09
LCS	Chlorobenzene	108-90-7	25.780	103.000	% Recov	75.000	125.000				02/12/09
LCS	1,2-Dichloroethane-d4(Surr)	17060-07-0	55.230	110.000	% Recov	75.000	125.000				02/12/09
LCS	Toluene-d8(Surr)	2037-26-5	48.690	97.400	% Recov	80.000	126.000				02/12/09
LCS	Toluene	108-88-3	24.580	98.300	% Recov	75.000	125.000				02/12/09
LCS	Trichloroethene	79-01-6	20.260	81.000	% Recov	75.000	125.000				02/12/09

WSCF
ANALYTICAL COMMENT REPORT

Attention: Steve Trent
Project Number F09-007

Group #: WSCF20090122
Department: Organic

Sample #	Client ID	Lab Area	Test	Comment
		VALGROUP		ICP-AES: Iron and magnesium sample results exceed spiking level by a factor of 4 so spike recoveries are not valid. Check and high standards used to ensure iron and magnesium linearity because sample results are greater than calibration standard. SVOA:The recovery of the surrogate, terphenyl-d14 is slightl greater than the upper control limit in the LCS at 123% Rec. cgc Organics: All results are moisture corrected and reported on a dry weight basis. cgc TPHD: The diesel results reported on material that is close but doesn't quite match the diesel standard chromatogram. The hydrocarbon pattern is slightly heavier in average molecular weight and volatility than the standard. cgc

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

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WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent
SAF Number: F09-007
Sample # W09GR00101
Client ID: B1YDF0 GPP WSCF

Matrix: SOIL

Group #: WSCF20090122
Department: Radiochemistry
Sampled: 02/02/09
Received: 02/03/09

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
Gamma Energy Analysis-grd H2O											
Cobalt-60	10198-40-0	LA-508-481	U	5.13e-03	pCi/g	+-6.44e-03	pCi/g	1.00	8.0e-03		02/04/09
Strontium 89/90											
Strontium-89/90	SR-RAD	LA-508-415	U	-0.0590	pCi/g	+-0.590	pCi/g	1.00	0.34		02/19/09
Sr-85 Tracer by Beta Counting	SR85	LA-508-415		93.7	Percent			1.00	0.0		02/19/09

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

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

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

WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent
SAF Number: F09-007
Sample # W09GR00104
Client ID: B1YDF4 GPP WSCF

Matrix: SOIL

Group #: WSCF20090122
Department: Radiochemistry
Sampled: 02/02/09
Received: 02/03/09

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
Gamma Energy Analysis-grd H2O											
Cobalt-60	10198-40-0	LA-508-481	U	5.61e-04	pCi/g	+-5.61e-03	pCi/g	1.00	0.010		02/05/09
Strontium 89/90											
Strontium-89/90	SR-RAD	LA-508-415	U	0.220	pCi/g	+-0.616	pCi/g	1.00	0.35		02/19/09
Sr-85 Tracer by Beta Counting	SR85	LA-508-415		90.8	Percent			1.00	0.0		02/19/09

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

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

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

WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent
SAF Number: F09-007
Sample # W09GR00105
Client ID: B1YDF8 GPP WSCF

Matrix: SOIL

Group #: WSCF20090122
Department: Radiochemistry
Sampled: 02/02/09
Received: 02/03/09

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
Gamma Energy Analysis-grd H2O											
Cobalt-60	10198-40-0	LA-508-481	U	-1.62e-03	pCi/g	+-6.07e-03	pCi/g	1.00	0.010		02/04/09
Strontium 89/90											
Strontium-89/90	SR-RAD	LA-508-415		0.780	pCi/g	+-0.663	pCi/g	1.00	0.41		02/19/09
Sr-85 Tracer by Beta Counting	SR85	LA-508-415		77.2	Percent			1.00	0.0		02/19/09

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

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

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

WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent
SAF Number: F09-007
Sample # W09GR00106
Client ID: B1YDH2 GPP WSCF

Matrix: SOIL

Group #: WSCF20090122
Department: Radiochemistry
Sampled: 02/02/09
Received: 02/03/09

Test Performed	CAS #	Method	RQ	Result	Unit	TP Err	Unit	DF	MDL	PQL	Analysis Date
Gamma Energy Analysis-grd H2O											
Cobalt-60	10198-40-0	LA-508-481	U	-2.21e-03	pCi/g	+-4.86e-03	pCi/g	1.00	8.2e-03		02/04/09
Strontium 89/90											
Strontium-89/90	SR-RAD	LA-508-415	U	0.0160	pCi/g	+-0.160	pCi/g	1.00	0.32		02/19/09
Sr-85 Tracer by Beta Counting	SR85	LA-508-415		98.3	Percent			1.00	0.0		02/19/09

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

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

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

WSCF
TENTATIVELY IDENTIFIED PEAK REPORT

Attention: Steve Trent
Project Number F09-007 :F09-007

Group #: WSCF20090122
Department: Radiochemistry

Sample #	Client ID		Test Name	Peak Name	CAS#	RT	RQ	Result	Units
W09GR00101	B1YDF0	GPP	Gamma Energy Analysis-grd H2O	AC-228				0.45	pCi/g
W09GR00101	B1YDF0	GPP	Gamma Energy Analysis-grd H2O	AC-228 Count Error				19	%
W09GR00101	B1YDF0	GPP	Gamma Energy Analysis-grd H2O	BI-212				0.28	pCi/g
W09GR00101	B1YDF0	GPP	Gamma Energy Analysis-grd H2O	BI-212 Count Error				24	%
W09GR00101	B1YDF0	GPP	Gamma Energy Analysis-grd H2O	BI-214				0.40	pCi/g
W09GR00101	B1YDF0	GPP	Gamma Energy Analysis-grd H2O	BI-214 Count Error				14	%
W09GR00101	B1YDF0	GPP	Gamma Energy Analysis-grd H2O	CS-134				0.028	pCi/g
W09GR00101	B1YDF0	GPP	Gamma Energy Analysis-grd H2O	CS-134 Count Error				32	%
W09GR00101	B1YDF0	GPP	Gamma Energy Analysis-grd H2O	K-40				11	pCi/g
W09GR00101	B1YDF0	GPP	Gamma Energy Analysis-grd H2O	K-40 Count Error				14	%
W09GR00101	B1YDF0	GPP	Gamma Energy Analysis-grd H2O	PB-212				0.50	pCi/g
W09GR00101	B1YDF0	GPP	Gamma Energy Analysis-grd H2O	PB-212 Count Error				10	%
W09GR00101	B1YDF0	GPP	Gamma Energy Analysis-grd H2O	PB-214				0.62	pCi/g
W09GR00101	B1YDF0	GPP	Gamma Energy Analysis-grd H2O	PB-214 Count Error				22	%
W09GR00101	B1YDF0	GPP	Gamma Energy Analysis-grd H2O	RA-226				0.36	pCi/g
W09GR00101	B1YDF0	GPP	Gamma Energy Analysis-grd H2O	RA-226 Count Error				16	%
W09GR00101	B1YDF0	GPP	Gamma Energy Analysis-grd H2O	RA-228				0.48	pCi/g
W09GR00101	B1YDF0	GPP	Gamma Energy Analysis-grd H2O	RA-228 Count Error				18	%
W09GR00101	B1YDF0	GPP	Gamma Energy Analysis-grd H2O	SN-126				0.11	pCi/g
W09GR00101	B1YDF0	GPP	Gamma Energy Analysis-grd H2O	SN-126 Count Error				22	%
W09GR00101	B1YDF0	GPP	Gamma Energy Analysis-grd H2O	TL-208				0.15	pCi/g
W09GR00101	B1YDF0	GPP	Gamma Energy Analysis-grd H2O	TL-208 Count Error				15	%
W09GR00104	B1YDF4	GPP	Gamma Energy Analysis-grd H2O	AC-228				0.40	pCi/g
W09GR00104	B1YDF4	GPP	Gamma Energy Analysis-grd H2O	AC-228 Count Error				22	%
W09GR00104	B1YDF4	GPP	Gamma Energy Analysis-grd H2O	BI-212				0.27	pCi/g

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

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WSCF
TENTATIVELY IDENTIFIED PEAK REPORT

Attention: Steve Trent
Project Number F09-007 :F09-007

Group #: WSCF20090122
Department: Radiochemistry

Sample #	Client ID		Test Name	Peak Name	CAS#	RT	RQ	Result	Units
W09GR00104	B1YDF4	GPP	Gamma Energy Analysis-grd H2O	BI-212 Count Error				30	%
W09GR00104	B1YDF4	GPP	Gamma Energy Analysis-grd H2O	BI-214				0.46	pCi/g
W09GR00104	B1YDF4	GPP	Gamma Energy Analysis-grd H2O	BI-214 Count Error				14	%
W09GR00104	B1YDF4	GPP	Gamma Energy Analysis-grd H2O	CS-134				0.018	pCi/g
W09GR00104	B1YDF4	GPP	Gamma Energy Analysis-grd H2O	CS-134 Count Error				46	%
W09GR00104	B1YDF4	GPP	Gamma Energy Analysis-grd H2O	K-40				14	pCi/g
W09GR00104	B1YDF4	GPP	Gamma Energy Analysis-grd H2O	K-40 Count Error				13	%
W09GR00104	B1YDF4	GPP	Gamma Energy Analysis-grd H2O	PB-212				0.43	pCi/g
W09GR00104	B1YDF4	GPP	Gamma Energy Analysis-grd H2O	PB-212 Count Error				11	%
W09GR00104	B1YDF4	GPP	Gamma Energy Analysis-grd H2O	PB-214				0.48	pCi/g
W09GR00104	B1YDF4	GPP	Gamma Energy Analysis-grd H2O	PB-214 Count Error				27	%
W09GR00104	B1YDF4	GPP	Gamma Energy Analysis-grd H2O	RA-226				0.29	pCi/g
W09GR00104	B1YDF4	GPP	Gamma Energy Analysis-grd H2O	RA-226 Count Error				18	%
W09GR00104	B1YDF4	GPP	Gamma Energy Analysis-grd H2O	RA-228				0.44	pCi/g
W09GR00104	B1YDF4	GPP	Gamma Energy Analysis-grd H2O	RA-228 Count Error				19	%
W09GR00104	B1YDF4	GPP	Gamma Energy Analysis-grd H2O	TL-208				0.13	pCi/g
W09GR00104	B1YDF4	GPP	Gamma Energy Analysis-grd H2O	TL-208 Count Error				17	%
W09GR00105	B1YDF8	GPP	Gamma Energy Analysis-grd H2O	AC-228				0.46	pCi/g
W09GR00105	B1YDF8	GPP	Gamma Energy Analysis-grd H2O	AC-228 Count Error				19	%
W09GR00105	B1YDF8	GPP	Gamma Energy Analysis-grd H2O	BI-212				0.34	pCi/g
W09GR00105	B1YDF8	GPP	Gamma Energy Analysis-grd H2O	BI-212 Count Error				24	%
W09GR00105	B1YDF8	GPP	Gamma Energy Analysis-grd H2O	BI-214				0.46	pCi/g
W09GR00105	B1YDF8	GPP	Gamma Energy Analysis-grd H2O	BI-214 Count Error				14	%
W09GR00105	B1YDF8	GPP	Gamma Energy Analysis-grd H2O	K-40				12	pCi/g
W09GR00105	B1YDF8	GPP	Gamma Energy Analysis-grd H2O	K-40 Count Error				13	%

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

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WSCF
TENTATIVELY IDENTIFIED PEAK REPORT

Attention: Steve Trent
Project Number F09-007 :F09-007

Group #: WSCF20090122
Department: Radiochemistry

Sample #	Client ID		Test Name	Peak Name	CAS#	RT	RQ	Result	Units
W09GR00105	B1YDF8	GPP	Gamma Energy Analysis-grd H2O	PB-212				0.51	pCi/g
W09GR00105	B1YDF8	GPP	Gamma Energy Analysis-grd H2O	PB-212 Count Error				11	%
W09GR00105	B1YDF8	GPP	Gamma Energy Analysis-grd H2O	PB-214				0.66	pCi/g
W09GR00105	B1YDF8	GPP	Gamma Energy Analysis-grd H2O	PB-214 Count Error				21	%
W09GR00105	B1YDF8	GPP	Gamma Energy Analysis-grd H2O	RA-226				0.35	pCi/g
W09GR00105	B1YDF8	GPP	Gamma Energy Analysis-grd H2O	RA-226 Count Error				17	%
W09GR00105	B1YDF8	GPP	Gamma Energy Analysis-grd H2O	RA-228				0.44	pCi/g
W09GR00105	B1YDF8	GPP	Gamma Energy Analysis-grd H2O	RA-228 Count Error				17	%
W09GR00105	B1YDF8	GPP	Gamma Energy Analysis-grd H2O	SN-126				0.10	pCi/g
W09GR00105	B1YDF8	GPP	Gamma Energy Analysis-grd H2O	SN-126 Count Error				27	%
W09GR00105	B1YDF8	GPP	Gamma Energy Analysis-grd H2O	TH-234				0.60	pCi/g
W09GR00105	B1YDF8	GPP	Gamma Energy Analysis-grd H2O	TH-234 Count Error				31	%
W09GR00105	B1YDF8	GPP	Gamma Energy Analysis-grd H2O	TL-208				0.15	pCi/g
W09GR00105	B1YDF8	GPP	Gamma Energy Analysis-grd H2O	TL-208 Count Error				15	%
W09GR00106	B1YDH2	GPP	Gamma Energy Analysis-grd H2O	AC-228				0.40	pCi/g
W09GR00106	B1YDH2	GPP	Gamma Energy Analysis-grd H2O	AC-228 Count Error				21	%
W09GR00106	B1YDH2	GPP	Gamma Energy Analysis-grd H2O	BI-212				0.24	pCi/g
W09GR00106	B1YDH2	GPP	Gamma Energy Analysis-grd H2O	BI-212 Count Error				32	%
W09GR00106	B1YDH2	GPP	Gamma Energy Analysis-grd H2O	BI-214				0.34	pCi/g
W09GR00106	B1YDH2	GPP	Gamma Energy Analysis-grd H2O	BI-214 Count Error				15	%
W09GR00106	B1YDH2	GPP	Gamma Energy Analysis-grd H2O	K-40				10	pCi/g
W09GR00106	B1YDH2	GPP	Gamma Energy Analysis-grd H2O	K-40 Count Error				14	%
W09GR00106	B1YDH2	GPP	Gamma Energy Analysis-grd H2O	PB-212				0.37	pCi/g
W09GR00106	B1YDH2	GPP	Gamma Energy Analysis-grd H2O	PB-212 Count Error				11	%
W09GR00106	B1YDH2	GPP	Gamma Energy Analysis-grd H2O	PB-214				0.40	pCi/g

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

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WSCF
TENTATIVELY IDENTIFIED PEAK REPORT

Attention: Steve Trent
Project Number F09-007 :F09-007

Group #: WSCF20090122
Department: Radiochemistry

Sample #	Client ID		Test Name	Peak Name	CAS#	RT	RQ	Result	Units
W09GR00106	B1YDH2	GPP	Gamma Energy Analysis-grd H2O	PB-214 Count Error				33	%
W09GR00106	B1YDH2	GPP	Gamma Energy Analysis-grd H2O	RA-226				0.27	pCi/g
W09GR00106	B1YDH2	GPP	Gamma Energy Analysis-grd H2O	RA-226 Count Error				18	%
W09GR00106	B1YDH2	GPP	Gamma Energy Analysis-grd H2O	RA-228				0.37	pCi/g
W09GR00106	B1YDH2	GPP	Gamma Energy Analysis-grd H2O	RA-228 Count Error				19	%
W09GR00106	B1YDH2	GPP	Gamma Energy Analysis-grd H2O	SN-126				0.078	pCi/g
W09GR00106	B1YDH2	GPP	Gamma Energy Analysis-grd H2O	SN-126 Count Error				38	%
W09GR00106	B1YDH2	GPP	Gamma Energy Analysis-grd H2O	TH-234				0.46	pCi/g
W09GR00106	B1YDH2	GPP	Gamma Energy Analysis-grd H2O	TH-234 Count Error				45	%
W09GR00106	B1YDH2	GPP	Gamma Energy Analysis-grd H2O	TL-208				0.12	pCi/g
W09GR00106	B1YDH2	GPP	Gamma Energy Analysis-grd H2O	TL-208 Count Error				18	%

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

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WSCF ANALYTICAL LABORATORY QC REPORT

Department: Radiochemistry

SDG Number: WSCF20090122
Matrix: SOLID
Test: Gamma Energy Analysis-grd H2O

Sample Date: 02/02/09
Receive Date:02/03/09

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Lower Limit	Upper Limit	RPD(%)	RPD Limit	RQ	Analysis Date
Lab ID: W09GR00101											
BATCH QC ASSOCIATED WITH SAMPLE											
DUP	Cobalt-60	10198-40-0	U3.89e-3		RPD			n/a	20.000		02/04/09
BATCH QC											
BLANK	Cobalt-60	10198-40-0	U7.564e-4	n/a	pCi/g	-10.000	1000.000				02/05/09
LCS	Cobalt-60	10198-40-0	9901	99.608	% Recov	80.000	120.000				02/05/09

WSCF ANALYTICAL LABORATORY QC REPORT

Department: Radiochemistry

SDG Number: WSCF20090122
Matrix: SOLID
Test: Strontium 89/90

Sample Date: 02/02/09
Receive Date:02/03/09

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Lower Limit	Upper Limit	RPD(%)	RPD Limit	RQ	Analysis Date
Lab ID: W09GR00101											
BATCH QC ASSOCIATED WITH SAMPLE											
DUP	Sr-85 Tracer by Beta Counting	SR85	102.5	102.500	% Recov	30.000	105.000				02/19/09
DUP	Strontium-89/90	SR-RAD	U-3.7E-01		RPD			n/a	20.000		02/19/09
SURR	Sr-85 Tracer by Beta Counting	SR85	93.7	93.700	% Recov	30.000	105.000				02/19/09
Lab ID: W09GR00104											
BATCH QC ASSOCIATED WITH SAMPLE											
SURR	Sr-85 Tracer by Beta Counting	SR85	90.8	90.800	% Recov	30.000	105.000				02/19/09
Lab ID: W09GR00105											
BATCH QC ASSOCIATED WITH SAMPLE											
SURR	Sr-85 Tracer by Beta Counting	SR85	77.2	77.200	% Recov	30.000	105.000				02/19/09
Lab ID: W09GR00106											
BATCH QC ASSOCIATED WITH SAMPLE											
SURR	Sr-85 Tracer by Beta Counting	SR85	98.3	98.300	% Recov	30.000	105.000				02/19/09
BATCH QC											
BLANK	Sr-85 Tracer by Beta Counting	SR85	91.6	91.600	% Recov	30.000	105.000				02/19/09
BLANK	Strontium-89/90	10098-97-2	U3.3E-02	n/a	pCi/g	-10.000	300.000				02/19/09
LCS	Sr-85 Tracer by Beta Counting	SR85	92.8	92.800	% Recov	30.000	105.000				02/19/09
LCS	Strontium-89/90	10098-97-2	75.2	109.445	% Recov	80.000	120.000				02/19/09

M4W41-SLF-09-118

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#: 300108/ES10
Group#: 20090122
Project#: F09-007
Proj Mgr: Steve Trent

The following samples were received from you on 02/03/09. 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
W09GR00101	B1YDF0	GPP @2008 @GEA-GPP @GPP6010 @IC-30 @SR89_90 @SVOCGPP @TPHD-WA PERSOLID	Solid, or handle as if solid	02/02/09
~~W09GR00102~~	~~B1YDF1~~	~~GPP~~ ~~@VOA-GPP~~	~~Solid, or handle as if solid~~	~~02/02/09~~
W09GR00103	B1YDF2	GPP @VOA-GPP	Solid, or handle as if solid	02/02/09
W09GR00104	B1YDF4	GPP @2008 @GEA-GPP @GPP6010 @IC-30 @SR89_90 @SVOCGPP @TPHD-WA PERSOLID	Solid, or handle as if solid	02/02/09
W09GR00105	B1YDF8	GPP @2008 @GEA-GPP @GPP6010 @IC-30 @SR89_90 @SVOCGPP @TPHD-WA PERSOLID	Solid, or handle as if solid	02/02/09
W09GR00106	B1YDH2	GPP @2008 @GEA-GPP @GPP6010 @IC-30 @SR89_90 @SVOCGPP @TPHD-WA PERSOLID	Solid, or handle as if solid	02/02/09
~~W09GR00107~~	~~B1YDF5~~	~~GPP~~ ~~@VOA-GPP~~	~~Solid, or handle as if solid~~	~~02/02/09~~
~~W09GR00108~~	~~B1YDF9~~	~~GPP~~ ~~@VOA-GPP~~	~~Solid, or handle as if solid~~	~~02/02/09~~
~~W09GR00109~~	~~B1YDH3~~	~~GPP~~ ~~@VOA-GPP~~	~~Solid, or handle as if solid~~	~~02/02/09~~
W09GR00110	B1YDF6	GPP @VOA-GPP	Solid, or handle as if solid	02/02/09
W09GR00111	B1YDH0	GPP @VOA-GPP	Solid, or handle as if solid	02/02/09
W09GR00112	B1YDH4	GPP @VOA-GPP	Solid, or handle as if solid	02/02/09
~~W09GR00113~~	~~B1YMT4~~	~~GPP MB~~ ~~@VOA-GPP~~	~~Solid, or handle as if solid~~	~~02/02/09~~

Groundwater Remediation Program

Richland, WA 99354
Attn: Steve Trent

Customer Code: GPP
PO#: 300108/ES10
Group#: 20090122
Project#: F09-007
Proj Mgr: Steve Trent

Sample#	Sample Id	Tests Scheduled	Matrix	Sample Date
~~W09GR00114~~	~~B1YMT5~~	~~GPP MB~~ ~~@VOA-GPP~~	~~Solid, or handle as if solid~~	~~02/02/09~~
~~W09GR00115~~	~~B1YMT6~~	~~GPP MB~~ ~~@VOA-GPP~~	~~Solid, or handle as if solid~~	~~02/02/09~~
~~W09GR00116~~	~~B1YMT7~~	~~GPP MB~~ ~~@VOA-GPP~~	~~Solid, or handle as if solid~~	~~02/02/09~~

PDL 3/5/2009

Test Acronym Description

Test Acronym	Description
@2008	ICP-200.8 MS All possible meta
@GEA-GPP	Gamma Energy Analysis-grd H2O
@GPP6010	ICP Metals Analysis, Grd H20 P
@IC-30	Anions by Ion Chromatography
@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

CH2MHill Plateau Remediation Company 03/19/09

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F09-007-006

COLLECTOR Knox, Rust, Barker	**COMPANY CONTACT** ALEXANDER,DJ	**TELEPHONE NO.** 373-7786	**PROJECT COORDINATOR** WIDRIG, DL
SAMPLING LOCATION C7038; I-004	**PROJECT DESIGNATION** Sampling and Analysis for TPH Monitoring Well at 100-NR-2 - Soil		**SAF NO.** F09-007
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-486-1 pg 3	**ACTUAL SAMPLE DEPTH** 12.5'—14.5' pg 3	**COA** 300108ES10
SHIPPED TO Waste Sampling & Characterization 20090122	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A

PRICE CODE 8N **AIR QUALITY** ☐ **DATA TURNAROUND** 45 Days / 45 Days

METHOD OF SHIPMENT GOVERNMENT VEHICLE

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

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

SPECIAL HANDLING AND/OR STORAGE RADIOACTIVE TIE TO: B1YDD9 Cat #

PRESERVATION	Cool~4C	Cool~4C	Cool~4C	None	None
TYPE OF CONTAINER	aGs*	aG	aG	G/P	Square Bottle - Poly
NO. OF CONTAINER(S)	1	1	1	1	1
VOLUME	40mL	~~120mL~~ 125mL 1-25-09	250mL	~~120mL~~ 125mL 1-25-09	500mL
SAMPLE ANALYSIS	VOA - 5035/8260 (TCL); 814010	Semi-VOA - 8270B (TCL); 028784	SEE ITEM (1) IN SPECIAL INSTRUCTIONS 024336	SEE ITEM (2) IN SPECIAL INSTRUCTIONS 200.8 IC 022811	SEE ITEM (3) IN SPECIAL INSTRUCTIONS GRP Soil 629981

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME					
B1YDF0 W09GR00101	SOIL	2-2-09	08:00	✓	✓	✓	✓	✓
B1YMT4 113	"	"	"	✓	PUSH	P.D. Mix	2/3/2009	

ICED

CHAIN OF POSSESSION		SIGN/ PRINT NAMES	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Ed Knox / Ed Knox	2-2-09 15:30	MO-413 - SSU-RD	2/3/9 13:20
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
MO-413 SSU-RD	2/3/09 8:15	[illegible] / [illegible]	2/3/9 8:15
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
[illegible] / [illegible]	2/3/9 0930	[illegible] Kussler [illegible]	2/3/09 0920
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

SPECIAL INSTRUCTIONS

** The 100 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.

** All VOA samples will be collected using EPA Method 5035A.
(1)TPH-DieselKerosene Range - WTPH-D {Total petroleum hydrocarbons - diesel range, Total petroleum hydrocarbons - kerosene range}
(2)ICP/MS - 200.8 (TAL) {Antimony, Manganese, Nickel} ICP Metals - 6010B (TAL) {Iron, Magnesium} IC Anions - 300.0 {Nitrogen in Nitrate, Nitrogen in Nitrite, Phosphorus in phosphate, Sulfate}
(3)Gamma Spectroscopy {Cobalt-60} Strontium-89,90 -- Total Sr;

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

A-6003-618(01/06)

CH2MHill Plateau Remediation Company	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F09-007-007	PAGE 1 OF 1
COLLECTOR Kauer, Rust, Bates	COMPANY CONTACT ALEXANDER,DJ	TELEPHONE NO. 373-7786	PROJECT COORDINATOR WIDRIG, DL	PRICE CODE 8N AIR QUALITY ☐	DATA TURNAROUND 45 Days / 45 Days
SAMPLING LOCATION C7038; I-004	PROJECT DESIGNATION Sampling and Analysis for TPH Monitoring Well at 100-NR-2 - Soil		SAF NO. F09-007		
ICE CHEST NO.	FIELD LOGBOOK NO. HNF-N-486-1 pg 7	ACTUAL SAMPLE DEPTH 12.5 - 14.5 PTT	COA 300108ES10	METHOD OF SHIPMENT GOVERNMENT VEHICLE	
SHIPPED TO Waste Sampling & Characterization	OFFSITE PROPERTY NO. N/A		BILL OF LADING/AIR BILL NO. N/A		

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

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

SPECIAL HANDLING AND/OR STORAGE
RADIOACTIVE TIE TO: B1YDD9

PRESERVATION	MEOH/Cool~4 C
TYPE OF CONTAINER	aGs*
NO. OF CONTAINER(S)	3
VOLUME	40mL
SAMPLE ANALYSIS	VOA - 5035/8260 (HIGH LEVEL);

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME	
B1YDF1 DQ	SOIL	2-2-09	09:00	✓

ICED

CHAIN OF POSSESSION		SIGN/ PRINT NAMES	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
DW Bates Beatherton	2/3/09 530	MO 413 - SSU R2	2/3/9 11:30
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Mo 413 SSU-R2	2/3/09 8:15	Bates / Beatherton	2/3/9 8:15
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Bates / Beatherton	2/3/09 0920	MD Kessler MD Zeh	2/3/09 0920
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

SPECIAL INSTRUCTIONS

** The 100 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to 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.

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

A-6003-618(01/06)

CH2MHill Plateau Remediation Company	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F09-007-008	PAGE 1 OF 1
COLLECTOR: Kauk, Rust, Baker	COMPANY CONTACT: ALEXANDER,DJ	TELEPHONE NO.: 373-7786	PROJECT COORDINATOR: WIDRIG, DL	PRICE CODE: 8N	DATA TURNAROUND: 45 Days / 45 Days
SAMPLING LOCATION: C7038; I-004	PROJECT DESIGNATION: Sampling and Analysis for TPH Monitoring Well at 100-NR-2 - Soil		SAF NO.: F09-007	AIR QUALITY: ☐	
ICE CHEST NO.	FIELD LOGBOOK NO.: HNF-N-486-1 pg 7	ACTUAL SAMPLE DEPTH: 12.5-14.5'	COA: 300108ES10	METHOD OF SHIPMENT: GOVERNMENT VEHICLE	
SHIPPED TO: Waste Sampling & Characterization	OFFSITE PROPERTY NO.: N/A		BILL OF LADING/AIR BILL NO.: N/A		

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

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

SPECIAL HANDLING AND/OR STORAGE: RADIOACTIVE TIE TO: B1YDD9

PRESERVATION	Cool <-7C and >-20C
TYPE OF CONTAINER	aGs*
NO. OF CONTAINER(S)	5
VOLUME	40mL
SAMPLE ANALYSIS	VOA - 5035/8260 (LOW LEVEL); 402461

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME	
B1YDF2 103	SOIL	2-2-09	09:00	✓

ICED

CHAIN OF POSSESSION / SIGN/ PRINT NAMES

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Ed Kauk / Ed Rust	2-2-09 13:30	MO-413 SSOF1	2/2/09 13:3
MO-413 SSOF1	2/2/09	Brother Brothers	2/2/09 8:15
Brother / Brothers	2/3/09 0930	Mike Kessler / Mike Baker	2/3/09 0930

SPECIAL INSTRUCTIONS

** The 100 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to 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.

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

A-6003-618(01/06)

CH2MHill Plateau Remediation Company	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F09-007-010	PAGE 1 OF 1

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 8N	DATA TURNAROUND
Kruse, Rust, Bates	ALEXANDER,DJ	373-7786	WIDRIG, DL	AIR QUALITY ☐	45 Days / 45 Days
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**		
C7038; I-007	Sampling and Analysis for TPH Monitoring Well at 100-NR-2 - Soil		F09-007		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**	
	HNF-N-486-1 Pg 3	15-16.5'	300108ES10	GOVERNMENT VEHICLE	
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**		
Waste Sampling & Characterization	N/A		N/A		

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

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

SPECIAL HANDLING AND/OR STORAGE
RADIOACTIVE TIE TO: B1YDF3

PRESERVATION	Cool~4C	Cool~4C	Cool~4C	None	None
TYPE OF CONTAINER	aGs*	aG	aG	G/P	Square Bottle - Poly
NO. OF CONTAINER(S)	1	1	1	1	1
VOLUME	40mL	120mL	250mL	120mL	500mL
SAMPLE ANALYSIS	VOA - 5035/8260 (TCL);	Semi-VOA - 8270B (TCL);	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS	SEE ITEM (3) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME					
B1YDF4 104	SOIL	2-2-09	1030	✓	✓	✓	✓	✓
B1YMT5 114	"	"	"	✓	Poly	PD.mix	2/3/2009	

ICED

CHAIN OF POSSESSION / SIGN/ PRINT NAMES

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Ed Kruse/Edward Bates 2-2-09	13:30	MO-413 SSU-2	2/2/9 13:30
MO-413 SSU-R2	2/3/09 08:15	Brotherton/Bates	2/3/09 8:15
Bates Brotherton	2/3/09 0920	MD Kessler MD Kessler	2/3/09 0920

SPECIAL INSTRUCTIONS

** The 100 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.

** All VOA samples will be collected using EPA Method 5035A.
(1)TPH-DieselKerosene Range - WTPH-D {Total petroleum hydrocarbons - diesel range, Total petroleum hydrocarbons - kerosene range}
(2)ICP/MS - 200.8 (TAL) {Antimony, Manganese, Nickel} ICP Metals - 6010B (TAL) {Iron, Magnesium} IC Anions - 300.0 {Nitrogen in Nitrate, Nitrogen in Nitrite, Phosphorus in phosphate, Sulfate}
(3)Gamma Spectroscopy {Cobalt-60} Strontium-89,90 -- Total Sr;

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

A-6003-618(01/06)

CH2MHill Plateau Remediation Company	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F09-007-011	PAGE 1 OF 1

COLLECTOR Klein, Rust, Bates	**COMPANY CONTACT** ALEXANDER,DJ	**TELEPHONE NO.** 373-7786	**PROJECT COORDINATOR** WIDRIG, DL
SAMPLING LOCATION C7038; I-007	**PROJECT DESIGNATION** Sampling and Analysis for TPH Monitoring Well at 100-NR-2 - Soil		**SAF NO.** F09-007
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-484-1 PS 3	**ACTUAL SAMPLE DEPTH** 15 – 16.5'	**COA** 300108ES10
SHIPPED TO Waste Sampling & Characterization	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A

PRICE CODE 8N **AIR QUALITY** ☐ **DATA TURNAROUND** 45 Days / 45 Days

METHOD OF SHIPMENT GOVERNMENT VEHICLE

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

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

SPECIAL HANDLING AND/OR STORAGE RADIOACTIVE TIE TO: B1YDF3

PRESERVATION	MEOH/Cool~4 C
TYPE OF CONTAINER	aGs*
NO. OF CONTAINER(S)	3
VOLUME	40mL
SAMPLE ANALYSIS	VOA - 5035/8260 (HIGH LEVEL);

ICED

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME	
B1YDF5 107	SOIL	2-2-09	10 50	✓

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
E.C. Klein E.C. Klein 2-2-09	13:30	MO-413 SSV2	2/2/9 13:30
MO-413 SSV-2	2/3/09 08:15	Brotherton Brotherton	2/3/09 8:15
Bates / Brotherton	2/3/09 0920	MD Kessler MD Kessler	2/3/09 0920

SPECIAL INSTRUCTIONS

** The 100 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to 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.

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

A-6003-618(01/06)

CH2MHill Plateau Remediation Company	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F09-007-012	PAGE 1 OF 1
COLLECTOR Krusk, Rust, Bates	COMPANY CONTACT ALEXANDER,DJ	TELEPHONE NO. 373-7786	PROJECT COORDINATOR WIDRIG, DL	PRICE CODE 8N AIR QUALITY ☐	DATA TURNAROUND 45 Days / 45 Days
SAMPLING LOCATION C7038; I-007	PROJECT DESIGNATION Sampling and Analysis for TPH Monitoring Well at 100-NR-2 - Soil		SAF NO. F09-007		
ICE CHEST NO.	FIELD LOGBOOK NO. HNF-N-486-1 053	ACTUAL SAMPLE DEPTH 15- 16.5'	COA 300108ES10	METHOD OF SHIPMENT GOVERNMENT VEHICLE	
SHIPPED TO Waste Sampling & Characterization	OFFSITE PROPERTY NO. N/A		BILL OF LADING/AIR BILL NO. N/A		

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

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

SPECIAL HANDLING AND/OR STORAGE
RADIOACTIVE TIE TO: B1YDF3

PRESERVATION	Cool <-7C and >-20C
TYPE OF CONTAINER	aGs*
NO. OF CONTAINER(S)	5
VOLUME	40mL
SAMPLE ANALYSIS	VOA - 5035/8260 (LOW LEVEL);

ICED

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME	
B1YDF6 110	SOIL	2-2-09	1050	✓

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Gal Krusk Elm Bates	2-2-09 13:30	MO-413 SSU-F1	2/2/09 13:30
MO-413 SSU-F1	2/3/09 8:15	Bates / Brotherton	2/3/09 8:15
Bates Brotherton	2/3/09 0920	MD Kessler MD Kessler	2/3/09 0920

SPECIAL INSTRUCTIONS

** The 100 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to 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.

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

A-6003-618(01/06)

CH2MHill Plateau Remediation Company	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F09-007-014	PAGE 1 OF 1

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 8N	DATA TURNAROUND
Kauck, Rust, Bates	ALEXANDER,DJ	373-7786	WIDRIG, DL	AIR QUALITY ☐	45 Days / 45 Days
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**		
C7038; I-007D	Sampling and Analysis for TPH Monitoring Well at 100-NR-2 - Soil		F09-007		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**	
	1FNF-N-486-1	15'-16.5'	300108ES10	GOVERNMENT VEHICLE	
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**		
Waste Sampling & Characterization	N/A		N/A		

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

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

SPECIAL HANDLING AND/OR STORAGE
RADIOACTIVE TIE TO: B1YDF7

PRESERVATION	Cool~4C	Cool~4C	Cool~4C	None	None
TYPE OF CONTAINER	aGs*	aG	aG	G/P	Square Bottle - Poly
NO. OF CONTAINER(S)	1	1	1	1	1
VOLUME	40mL	120mL	250mL	120mL	500mL
SAMPLE ANALYSIS	VOA - 5035/8260 (TCL);	Semi-VOA - 8270B (TCL);	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS	SEE ITEM (3) IN SPECIAL INSTRUCTIONS

ICED

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME					
B1YDF8 105	SOIL	2-2-09	1050	✓	✓	✓	✓	✓
B1YMT6 115	"	"	"	✓	PJZ; P.D.Mix	2/3/2009		

CHAIN OF POSSESSION	SIGN/ PRINT NAMES		
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Ed Kauck / Ed Kauck 2-2-09	13:30	MO-413 SSU-2	2/2/09 13:30
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
MO-413 SSU-2	2/3/09 8:15	Brothers / Brothers	2/3/09 8:15
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Brothers Brothers	2/3/09 0920	MD Kessler MD Kessler	2/3/09 0920
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

SPECIAL INSTRUCTIONS

** The 100 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.

** All VOA samples will be collected using EPA Method 5035A.
(1)TPH-DieselKerosene Range - WTPH-D {Total petroleum hydrocarbons - diesel range, Total petroleum hydrocarbons - kerosene range}
(2)ICP/MS - 200.8 (TAL) {Antimony, Manganese, Nickel} ICP Metals - 6010B (TAL) {Iron, Magnesium} IC Anions - 300.0 {Nitrogen in Nitrate, Nitrogen in Nitrite, Phosphorus in phosphate, Sulfate}
(3)Gamma Spectroscopy {Cobalt-60} Strontium-89,90 -- Total Sr;

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

A-6003-618(01/06)

CH2MHill Plateau Remediation Company	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F09-007-016	PAGE 1 OF 1

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 8N	DATA TURNAROUND
Kauk, Rust, Bates	ALEXANDER,DJ	373-7786	WIDRIG, DL	AIR QUALITY ☐	45 Days / 45 Days
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**		
C7038; I-007D	Sampling and Analysis for TPH Monitoring Well at 100-NR-2 - Soil		F09-007		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**	
	HNF-N-486-1 pg 7	15 - 16.5	300108ES10	GOVERNMENT VEHICLE	
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**		
Waste Sampling & Characterization	N/A		N/A		

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

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

SPECIAL HANDLING AND/OR STORAGE
RADIOACTIVE TIE TO: B1YDF7

PRESERVATION	Cool <-7C and >-20C
TYPE OF CONTAINER	aGs*
NO. OF CONTAINER(S)	5
VOLUME	40mL
SAMPLE ANALYSIS	VOA - 5035/8260 (LOW LEVEL);

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME	
B1YDH0 108	SOIL	2-2-09	10:50	ICED
111				

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Ed Brown / Ed Brown	2-2-09 13:30	M04F3 SSU-F1	2/2/09 13:30
M0-413 / SSU-F1	2/3/09 8:15	[illegible] / [illegible]	2/3/09 8:15
[illegible] / [illegible]	2/3/09 0920	MD Keeston / MD Keeston	2/3/09 0920

SPECIAL INSTRUCTIONS

** The 100 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to 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.

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

A-6003-618(01/06)

CH2MHill Plateau Remediation Company	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F09-007-015	PAGE 1 OF 1

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 8N	DATA TURNAROUND
Kane, Bates, Rust	ALEXANDER,DJ	373-7786	WIDRIG, DL	AIR QUALITY ☐	45 Days / 45 Days
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**		
C7038; I-007D	Sampling and Analysis for TPH Monitoring Well at 100-NR-2 - Soil		F09-007		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**	
	HNF-N-486-1 pg 7	15-16.5'	300108ES10	GOVERNMENT VEHICLE	
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**		
Waste Sampling & Characterization	N/A		N/A		

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

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

SPECIAL HANDLING AND/OR STORAGE
RADIOACTIVE TIE TO: B1YDF7

PRESERVATION	MEOH/Cool~4 C
TYPE OF CONTAINER	aGs*
NO. OF CONTAINER(S)	3
VOLUME	40mL
SAMPLE ANALYSIS	VOA - 5035/8260 (HIGH LEVEL);

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME	
B1YDF9 TH 108	SOIL	2-2-09	10:50	✓

ICED

CHAIN OF POSSESSION		SIGN/ PRINT NAMES	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
E. Kane / Edward Kane 2-2-09	13:30	MO-413 · SSU-B1	2/2/09 13:30
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
MO-413-SSU-2	2/3/09 8:15	Brotherton / Brotherton	2/3/09 8:15
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Brotherton / Brotherton	2/3/09 0920	MD Kessler MD Kessler	2/3/09 0920
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

SPECIAL INSTRUCTIONS

** The 100 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to 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.

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

A-6003-618(01/06)

CH2MHill Plateau Remediation Company	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F09-007-018	PAGE 1 OF 1

COLLECTOR Kanen, Root, Bates	**COMPANY CONTACT** ALEXANDER,DJ	**TELEPHONE NO.** 373-7786	**PROJECT COORDINATOR** WIDRIG, DL
PRICE CODE 8N	**DATA TURNAROUND** 45 Days / 45 Days	**AIR QUALITY** ☐	
SAMPLING LOCATION C7038; I-009	**PROJECT DESIGNATION** Sampling and Analysis for TPH Monitoring Well at 100-NR-2 - Soil	**SAF NO.** F09-007	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-486-1 pg	**ACTUAL SAMPLE DEPTH** 17.5' – 20'	**COA** 300108ES10
METHOD OF SHIPMENT GOVERNMENT VEHICLE			
SHIPPED TO Waste Sampling & Characterization	**OFFSITE PROPERTY NO.** N/A	**BILL OF LADING/AIR BILL NO.** N/A	

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

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

SPECIAL HANDLING AND/OR STORAGE
RADIOACTIVE TIE TO: B1YDH1
Cot

PRESERVATION	Cool~4C	Cool~4C	Cool~4C	None	None							
TYPE OF CONTAINER	aGs*	aG	aG	G/P	Square Bottle - Poly							
NO. OF CONTAINER(S)	1	1	1	1	1							
VOLUME	40mL	120mL	250mL	120mL	500mL							
SAMPLE ANALYSIS	VOA - 5035/8260 (TCL); 0862475 ~~028784~~	Semi-VOA - 8270B (TCL); 028784 ~~0243~~	SEE ITEM (1) IN SPECIAL INSTRUCTIONS 029336 ~~022811~~	SEE ITEM (2) IN SPECIAL INSTRUCTIONS 022811 ~~028784~~	SEE ITEM (3) IN SPECIAL INSTRUCTIONS 022811 ~~028784~~							

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME										
B1YDH2 106	SOIL	2-2-09	1345	✓	✓	✓	✓	✓					
B1YMT7 116	"	"	"	✓	PiT	P.D.Mix	2/3/2009						

ICED

CHAIN OF POSSESSION		SIGN/ PRINT NAMES	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
El Kanen / [signature]	2-2-09 13:30	MO-413 SSU-2	2/2/9 13:30
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
MO-413 SSU-2	2/3/09 08:15	Beatrice Bates	2/3/09 8:15
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Beatrice Bates	2/3/09 0920	MD Kessler MD Kessler	2/3/09 0920
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

SPECIAL INSTRUCTIONS

** The 100 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.

** All VOA samples will be collected using EPA Method 5035A.
(1)TPH-DieselKerosene Range - WTPH-D {Total petroleum hydrocarbons - diesel range, Total petroleum hydrocarbons - kerosene range}
(2)ICP/MS - 200.8 (TAL) {Antimony, Manganese, Nickel} ICP Metals - 6010B (TAL) {Iron, Magnesium} IC Anions - 300.0 {Nitrogen in Nitrate, Nitrogen in Nitrite, Phosphorus in phosphate, Sulfate}
(3)Gamma Spectroscopy {Cobalt-60} Strontium-89,90 -- Total Sr;

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

A-6003-618(01/06)

CH2MHill Plateau Remediation Company	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F09-007-019	PAGE 1 OF 1
COLLECTOR Kouse, Baker, Rust	COMPANY CONTACT ALEXANDER,DJ	TELEPHONE NO. 373-7786	PROJECT COORDINATOR WIDRIG, DL	PRICE CODE 8N	DATA TURNAROUND
SAMPLING LOCATION C7038; I-009	PROJECT DESIGNATION Sampling and Analysis for TPH Monitoring Well at 100-NR-2 - Soil		SAF NO. F09-007	AIR QUALITY ☐	45 Days / 45 Days
ICE CHEST NO.	FIELD LOGBOOK NO. HNF-N-48L-1 pg	ACTUAL SAMPLE DEPTH 17.5' to 20'	COA 300108ES10	METHOD OF SHIPMENT GOVERNMENT VEHICLE	
SHIPPED TO Waste Sampling & Characterization	OFFSITE PROPERTY NO. N/A		BILL OF LADING/AIR BILL NO. N/A		

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

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

SPECIAL HANDLING AND/OR STORAGE
RADIOACTIVE TIE TO: B1YDH1

PRESERVATION	MEOH/Cool~4 C
TYPE OF CONTAINER	aGs*
NO. OF CONTAINER(S)	3
VOLUME	40mL
SAMPLE ANALYSIS	VOA - 5035/8260 (HIGH LEVEL); 0802025 721

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME
B1YDH3 109	SOIL	2-2-09	1345

ICED

CHAIN OF POSSESSION		SIGN/ PRINT NAMES	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Ed Kouse / Ed Kouse 2-2-09	13:30	MO-413 SSU-2	2/2/9 13:30
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
MO-413 SSU-2	02/3/09 08:15	Brother Baker	2/3/09 8:15
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Brother Baker	2/3/09 0920	MO Kessler MO Baker	2/3/09 0920
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

SPECIAL INSTRUCTIONS

** The 100 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to 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.

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

A-6003-618(01/06)

CH2MHill Plateau Remediation Company	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F09-007-020	PAGE 1 OF 1
COLLECTOR Kruse, Rust, Bates	COMPANY CONTACT ALEXANDER,DJ	TELEPHONE NO. 373-7786	PROJECT COORDINATOR WIDRIG, DL	PRICE CODE 8N	DATA TURNAROUND
SAMPLING LOCATION C7038; I-009	PROJECT DESIGNATION Sampling and Analysis for TPH Monitoring Well at 100-NR-2 - Soil		SAF NO. F09-007	AIR QUALITY ☐	45 Days / 45 Days
ICE CHEST NO.	FIELD LOGBOOK NO. HNF-N-486-1 pg	ACTUAL SAMPLE DEPTH 17.5 to 20'	COA 300108ES10	METHOD OF SHIPMENT GOVERNMENT VEHICLE	
SHIPPED TO Waste Sampling & Characterization	OFFSITE PROPERTY NO. N/A		BILL OF LADING/AIR BILL NO. N/A		

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

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

SPECIAL HANDLING AND/OR STORAGE
RADIOACTIVE TIE TO: B1YDH1
Lot #

PRESERVATION	Cool <-7C and >-20C
TYPE OF CONTAINER	aGs*
NO. OF CONTAINER(S)	5
VOLUME	40mL
SAMPLE ANALYSIS	VOA - 5035/8260 (LOW LEVEL); 0140110

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME	
B1YDH4 112	SOIL			✓

ICED

CHAIN OF POSSESSION		SIGN/ PRINT NAMES	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
SL Kruse / [signature]	2-2-09 13:30	MO-413-SSU-F1	2/2/9 13:30
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
MO-413-SSU-F1	2/3/09 8:15	Brotherton/Bates	2/3/9 8:15
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Brotherton/Bates	2/3/9 0920	MJ Kessler MD Kessler	2/3/09 0920
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

SPECIAL INSTRUCTIONS

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** 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.

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

A-6003-618(01/06)

M4W41-SLF-09-118

ATTACHMENT 5

SAMPLE RECORD SHEETS

Consisting of 5 pages
Including cover page

I-004

Attachment 1 - Sample Record Sheet

SAMPLE RECORD SHEET

Location: JOCNR 2 C 7038

Sampler Initials and Date: [illegible] 2-2-09 Field Support Initials and Date:

Sample Number	Sample Suffix[1]	Empty Weight[2] (grams)	Total Weight[3] (grams)	Soil Weight[4] (grams)	Methanol Added (mL)	Methanol Added (grams)	Weight of Methanol and Sample (grams)
B1Y DF2	K	31.4	36.9	5.5	No Methanol Spin Bars only		
	L	31.4	36.4	4.5			
	M	32.5	37.5	5.0			
	N	32.8	38.2	5.4			
↓	P	32.6	37.8	5.2			
B1Y DF1	W	37.7	41.9	4.2			
	X	37.9	43.2	5.3			
↓	Y	37.5	42.3	5.2			
B1Y MT4 ~~B1Y DF0~~	*	37.8	37.8	N/A			

PDM 2/5/09
P.D.Mix

[1] Sample suffix of K, L, M, N, and P relate to low-level concentration samples and will not have any preservation beyond freezing between -7°C and -20°C.
Sample suffix of W, X, and Y relate to methanol preservation for high-level samples. Sample suffix of "*" relates to methanol blank. Cool these samples to 4°C ± 2°C

[2] Empty weight is to include all labels, stickers, bags, and anything else that will be associated with the bottle when it is weighed with the sample.

[3] Ensure that everything weighed for the empty bottle and no additional items (besides the sample) is weighed.

[4] Soil weight is the vial with sample minus Empty Weight.

I-007

Attachment 1 - Sample Record Sheet

SAMPLE RECORD SHEET

Location: 100 N2-2 TPH C-7038

Sampler Initials and Date: EG 2-2-09 Field Support Initials and Date:

Sample Number	Sample Suffix[1]	Empty Weight[2] (grams)	Total Weight[3] (grams)	Soil Weight[4] (grams)	Methanol Added (mL)	Methanol Added (grams)	Weight of Methanol and Sample (grams)
B14DF6	K	32.6	37.7	5.1	No Methanol Spin Bars only		
	L	32.1	37.0	4.9			
	M	31.7	33.3	1.6			
	N	31.6	35.2	3.6			
	P	31.9	37.0	5.1			
B14DF5	W	37.8	40.3	2.5			
	X	38.8	43.2	4.4			
	Y	38.6	39.9	1.3			
B14MT5 ~~B14DF4~~	*	38.1	38.1	0.0			

POL P.D.Mix 2/3/2009

[1] Sample suffix of K, L, M, N, and P relate to low-level concentration samples and will not have any preservation beyond freezing between -7°C and -20°C.
Sample suffix of W, X, and Y relate to methanol preservation for high-level samples. Sample suffix of "*" relates to methanol blank. Cool these samples to 4°C ± 2°C

[2] Empty weight is to include all labels, stickers, bags, and anything else that will be associated with the bottle when it is weighed with the sample.

[3] Ensure that everything weighed for the empty bottle and no additional items (besides the sample) is weighed.

[4] Soil weight is the vial with sample minus Empty Weight.

I-007 D-P

Attachment 1 - Sample Record Sheet

SAMPLE RECORD SHEET

Location: 100NR-2 TPH C7038

Sampler Initials and Date: EK 2-2-05 Field Support Initials and Date:

Sample Number	Sample Suffix[1]	Empty Weight[2] (grams)	Total Weight[3] (grams)	Soil Weight[4] (grams)	Methanol Added (mL)	Methanol Added (grams)	Weight of Methanol and Sample (grams)
B1Y0H0	K	31.8	35.5	3.7	No Methanol Spin Bars only		
	L	32.0	37.2	5.7			
	M	32.7	37.9	5.2			
	N	32.1	37.4	5.3			
	P	32.1	36.9	4.8			
B1Y0F9	W	36.3	39.0	2.7			
	X	36.6	40.5	3.9			
	Y	36.4	40.2	3.8			
B1Y MT6 ~~B1Y0F8~~	*	36.5	36.5	0.0			

PDC P.D.Mix 2/3/2009

[1] Sample suffix of K, L, M, N, and P relate to low-level concentration samples and will not have any preservation beyond freezing between -7°C and -20°C.
Sample suffix of W, X, and Y relate to methanol preservation for high-level samples. Sample suffix of "*" relates to methanol blank. Cool these samples to 4°C ± 2°C

[2] Empty weight is to include all labels, stickers, bags, and anything else that will be associated with the bottle when it is weighed with the sample.

[3] Ensure that everything weighed for the empty bottle and no additional items (besides the sample) is weighed.

[4] Soil weight is the vial with sample minus Empty Weight.

I-009

Attachment 1 - Sample Record Sheet

SAMPLE RECORD SHEET

Location: 100NR-2 TP14 C7038 I-009

Sampler Initials and Date: EK 2-2-09 Field Support Initials and Date:

Sample Number	Sample Suffix[1]	Empty Weight[2] (grams)	Total Weight[3] (grams)	Soil Weight[4] (grams)	Methanol Added (mL)	Methanol Added (grams)	Weight of Methanol and Sample (grams)
B14DH4	K	31.9	37.3	5.4	No Methanol Spin Bars only		
	L	31.6	36.4	4.8			
	M	31.7	36.5	4.8			
	N	32.5	38.1	5.6			
	P	32.6	37.2	4.6			
B14DH3	W	36.6	42.3	5.7			
	X	36.1	41.5	4.4			
	Y	36.4	40.7	4.3			
B14MT7 ~~B14DH2~~	*	36.6	36.6	0.0			

POC P.Darby 2/3/2009

[1] Sample suffix of K, L, M, N, and P relate to low-level concentration samples and will not have any preservation beyond freezing between -7°C and -20°C.
Sample suffix of W, X, and Y relate to methanol preservation for high-level samples. Sample suffix of "*" relates to methanol blank. Cool these samples to 4°C ± 2°C

[2] Empty weight is to include all labels, stickers, bags, and anything else that will be associated with the bottle when it is weighed with the sample.

[3] Ensure that everything weighed for the empty bottle and no additional items (besides the sample) is weighed.

[4] Soil weight is the vial with sample minus Empty Weight.