0099352

RECEIVED JUNE 10, 2011

WSCF Laboratory

PO Box 650 S3-30
Richland, WA 99352

June 9, 2011

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

Dear Michael Neely,

FINAL RESULT FOR SAMPLE DELIVERY GROUP WSCF112326

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

This letter contains the following information for sample delivery group WSCF112326

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

Very truly yours,

Electronically signed by Joseph Hale
For Lab Manager
WSCF Analytical Lab
(509) 373-7495

Attachments 4
CC: w/Attachments

RECEIVED
OCT 03 2011
EDMC

File/LB

ATTACHMENT 1

COVER SHEET

Consisting of 2 pages
Including cover page

WSCF SAF Number Cross Reference

Group # WSCF112326
Data Deliverable Date 06/09/11

SAF #	Sample ID	Sample #	Matrix	Sampled	Received
F11-127	B2F025	112326001	SOIL	05/25/11	05/25/11
F11-127	B2F026	112326002	SOIL	05/25/11	05/25/11
F11-127	B2F027	112326003	SOIL	05/25/11	05/25/11
F11-127	B2F028	112326004	SOIL	05/25/11	05/25/11
F11-127	B2F029	112326005	SOIL	05/25/11	05/25/11
F11-127	B2F030	112326006	SOIL	05/25/11	05/25/11
F11-127	B2F031	112326007	SOIL	05/25/11	05/25/11
F11-127	B2F032	112326008	SOIL	05/25/11	05/25/11
F11-127	B2F033	112326009	SOIL	05/25/11	05/25/11
F11-127	B2F034	112326010	SOIL	05/25/11	05/25/11
F11-127	B2F035	112326011	SOIL	05/25/11	05/25/11
F11-127	B2F039	112326012	SOIL	05/25/11	05/25/11
F11-127	B2F040	112326013	SOIL	05/25/11	05/25/11
F11-127	B2F041	112326014	SOIL	05/25/11	05/25/11
F11-127	B2F042	112326015	SOIL	05/25/11	05/25/11
F11-127	B2F043	112326016	SOIL	05/25/11	05/25/11
F11-127	B2F044	112326017	SOIL	05/25/11	05/25/11
F11-127	B2F045	112326018	SOIL	05/25/11	05/25/11
F11-127	B2F046	112326019	SOIL	05/25/11	05/25/11
F11-127	B2F047	112326020	SOIL	05/25/11	05/25/11
F11-127	B2F048	112326021	SOIL	05/25/11	05/25/11
F11-127	B2F049	112326022	SOIL	05/25/11	05/25/11

ATTACHMENT 3

ANALYTICAL RESULTS

Consisting of 178 pages
Including cover page

WSCF ANALYTICAL RESULTS REPORT

For

CH2M Hill Plateau Remediation

PO Box 1600
Richland, WA 99352

Attention: Michael Neely

Contract # MOA-FH-CHPRC-2008
Group # WSCF112326
Report Date June 9, 2011

Analytical: Electronically signed by Joseph Hale

Client Services: Electronically signed by Richard Barker

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

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

Batch QC List

Attention Michael Neely
Department Inorganic

Group # WSCF112326

QC Batch	Analytical Batch	S#	Type	Sample #	Client Sample#	Original	Test
182643	182644	4	BLANK	56721	BLANK		ICP-2008 MS All possible metal
182643	182644	5	LCS	56722	LCS		ICP-2008 MS All possible metal
182643	182644	6	MS	56723	B2BH32(112305001MS)	112305001	ICP-2008 MS All possible metal
182643	182644	7	MSD	56724	B2BH32(112305001MSD)	112305001	ICP-2008 MS All possible metal
182643	182644	27	SAMPLE	112326022	B2F049		ICP-2008 MS All possible metal
182781	182782	5	BLANK	57170	BLANK		ICP-6010 - All possible metals
182781	182782	6	LCS	57171	LCS		ICP-6010 - All possible metals
182781	182782	8	MS	57172	B2CMK1(112317013MS)	112317013	ICP-6010 - All possible metals
182781	182782	9	MSD	57173	B2CMK1(112317013MSD	112317013	ICP-6010 - All possible metals
182781	182782	21	SAMPLE	112326012	B2F039		ICP-6010 - All possible metals
182781	182782	22	SAMPLE	112326013	B2F040		ICP-6010 - All possible metals
182781	182782	23	SAMPLE	112326014	B2F041		ICP-6010 - All possible metals
182781	182782	24	SAMPLE	112326015	B2F042		ICP-6010 - All possible metals
182781	182782	25	SAMPLE	112326016	B2F043		ICP-6010 - All possible metals
182781	182782	26	SAMPLE	112326017	B2F044		ICP-6010 - All possible metals
182781	182782	27	SAMPLE	112326018	B2F045		ICP-6010 - All possible metals
182781	182782	28	SAMPLE	112326019	B2F046		ICP-6010 - All possible metals
182781	182782	29	SAMPLE	112326020	B2F047		ICP-6010 - All possible metals
182781	182782	30	SAMPLE	112326021	B2F048		ICP-6010 - All possible metals
182861	182862	4	BLANK	57209	BLANK		ICP-2008 MS All possible metal
182861	182862	5	LCS	57210	LCS		ICP-2008 MS All possible metal
182861	182862	6	SAMPLE	112326012	B2F039		ICP-2008 MS All possible metal
182861	182862	7	MS	57211	B2F039(112326012MS)	112326012	ICP-2008 MS All possible metal

Batch QC List

Attention Michael Neely
Department Inorganic

Group # WSCF112326

QC Batch	Analytical Batch	S#	Type	Sample #	Client Sample#	Original	Test
182861	182862	8	MSD	57212	B2F039(112326012MSD)	112326012	ICP-2008 MS All possible metal
182861	182862	9	SAMPLE	112326013	B2F040		ICP-2008 MS All possible metal
182861	182862	10	SAMPLE	112326014	B2F041		ICP-2008 MS All possible metal
182861	182862	11	SAMPLE	112326015	B2F042		ICP-2008 MS All possible metal
182861	182862	12	SAMPLE	112326016	B2F043		ICP-2008 MS All possible metal
182861	182862	13	SAMPLE	112326017	B2F044		ICP-2008 MS All possible metal
182861	182862	16	SAMPLE	112326018	B2F045		ICP-2008 MS All possible metal
182861	182862	17	SAMPLE	112326019	B2F046		ICP-2008 MS All possible metal
182861	182862	18	SAMPLE	112326020	B2F047		ICP-2008 MS All possible metal
182861	182862	19	SAMPLE	112326021	B2F048		ICP-2008 MS All possible metal
182960	182962	2	BLANK	57257	BLANK		Anions by Ion Chromatography (Solid)
182960	182962	3	LCS	57258	LCS		Anions by Ion Chromatography (Solid)
182960	182962	4	MS	57259	B2D2N2(112342003MS)	112342003	Anions by Ion Chromatography (Solid)
182960	182962	5	MSD	57260	B2D2N2(112342003MSD)	112342003	Anions by Ion Chromatography (Solid)
182960	182962	6	DUP	57261	B2D2N2(112342003DUP)	112342003	Anions by Ion Chromatography (Solid)
182960	182962	8	SAMPLE	112326017	B2F044		Anions by Ion Chromatography (Solid)
182960	182962	9	SAMPLE	112326018	B2F045		Anions by Ion Chromatography (Solid)
182960	182962	10	SAMPLE	112326019	B2F046		Anions by Ion Chromatography (Solid)
182960	182962	11	SAMPLE	112326020	B2F047		Anions by Ion Chromatography (Solid)
182960	182962	12	SAMPLE	112326021	B2F048		Anions by Ion Chromatography (Solid)
182960	182962	13	SAMPLE	112326022	B2F049		Anions by Ion Chromatography (Solid)
182963	182964	5	BLANK	57263	BLANK		ICP-6010 - All possible metals
182963	182964	6	LCS	57264	LCS		ICP-6010 - All possible metals

Batch QC List

Attention Michael Neely
Department Inorganic

Group # WSCF112326

QC Batch	Analytical Batch	S#	Type	Sample #	Client Sample#	Original	Test
182963	182964	7	MS	57265	B2F049(112326022MS)	112326022	ICP-6010 - All possible metals
182963	182964	8	MSD	57266	B2F049(112326022MSD)	112326022	ICP-6010 - All possible metals
182963	182964	9	SAMPLE	112326022	B2F049		ICP-6010 - All possible metals
183054	183055	1	BLANK	57392	BLANK		Hexavalent chromium
183054	183055	4	LCS	57393	LCS		Hexavalent chromium
183054	183055	5	DUP	57394	B2F039(112326012DUP)	112326012	Hexavalent chromium
183054	183055	6	MS	57395	B2F039(112326012MS)	112326012	Hexavalent chromium
183054	183055	7	PSTSPK	57396	PSTSPK		Hexavalent chromium
183054	183055	8	IMS	57397	B2F039(112326012IMS)	112326012	Hexavalent chromium
183054	183055	9	SAMPLE	112326012	B2F039		Hexavalent chromium
183054	183055	10	SAMPLE	112326013	B2F040		Hexavalent chromium
183054	183055	11	SAMPLE	112326014	B2F041		Hexavalent chromium
183054	183055	12	SAMPLE	112326015	B2F042		Hexavalent chromium
183054	183055	13	SAMPLE	112326016	B2F043		Hexavalent chromium
183054	183055	14	SAMPLE	112326017	B2F044		Hexavalent chromium
183054	183055	15	SAMPLE	112326018	B2F045		Hexavalent chromium
183054	183055	16	SAMPLE	112326019	B2F046		Hexavalent chromium
183054	183055	17	SAMPLE	112326020	B2F047		Hexavalent chromium
183054	183055	18	SAMPLE	112326021	B2F048		Hexavalent chromium
183054	183055	20	SAMPLE	112326022	B2F049		Hexavalent chromium
183169	183171	2	BLANK	57719	BLANK		Anions by Ion Chromatography (Solid)
183169	183171	3	LCS	57720	LCS		Anions by Ion Chromatography (Solid)
183169	183171	4	MS	57721	B2D2N1(112342002MS)	112342002	Anions by Ion Chromatography (Solid)

Batch QC List

Attention Michael Neely
Department Inorganic

Group # WSCF112326

QC Batch	Analytical Batch	S#	Type	Sample #	Client Sample#	Original	Test
183169	183171	5	MSD	57722	B2D2N1(112342002MSD)	112342002	Anions by Ion Chromatography (Solid)
183169	183171	6	DUP	57723	B2D2N1(112342002DUP)	112342002	Anions by Ion Chromatography (Solid)
183169	183171	12	SAMPLE	112326012	B2F039		Anions by Ion Chromatography (Solid)
183169	183171	13	SAMPLE	112326013	B2F040		Anions by Ion Chromatography (Solid)
183169	183171	14	SAMPLE	112326014	B2F041		Anions by Ion Chromatography (Solid)
183169	183171	15	SAMPLE	112326015	B2F042		Anions by Ion Chromatography (Solid)
183169	183171	16	SAMPLE	112326016	B2F043		Anions by Ion Chromatography (Solid)

Batch QC List

Attention Michael Neely
Department Organic, Semivolatiles

Group # WSCF112326

QC Batch	Analytical Batch	S#	Type	Sample #	Client Sample#	Original	Test
182757	183091	1	BLANK	57102	BLANK		Extractable Diesel and Petroleum
182757	183091	2	LCS	57103	LCS		Extractable Diesel and Petroleum
182757	183091	3	MS	57104	B2BH34(112310001MS)	112310001	Extractable Diesel and Petroleum
182757	183091	4	MSD	57105	B2BH34(112310001MSD)	112310001	Extractable Diesel and Petroleum
182757	183091	14	SAMPLE	112326012	B2F039		Extractable Diesel and Petroleum
182757	183091	15	SAMPLE	112326013	B2F040		Extractable Diesel and Petroleum
182757	183091	16	SAMPLE	112326014	B2F041		Extractable Diesel and Petroleum
182757	183091	17	SAMPLE	112326015	B2F042		Extractable Diesel and Petroleum
182757	183091	18	SAMPLE	112326016	B2F043		Extractable Diesel and Petroleum
182757	183091	19	SAMPLE	112326017	B2F044		Extractable Diesel and Petroleum
182757	183091	20	SAMPLE	112326018	B2F045		Extractable Diesel and Petroleum
182757	183091	21	SAMPLE	112326019	B2F046		Extractable Diesel and Petroleum
182757	183091	22	SAMPLE	112326020	B2F047		Extractable Diesel and Petroleum
182757	183091	23	SAMPLE	112326021	B2F048		Extractable Diesel and Petroleum
182757	183091	24	SAMPLE	112326022	B2F049		Extractable Diesel and Petroleum
182764	183095	1	BLANK	57127	BLANK		SW-846 8270D Semivolatiles (PAHSIM)
182764	183095	2	LCS	57128	LCS		SW-846 8270D Semivolatiles (PAHSIM)
182764	183095	3	MS	57129	B2BHB5(112324001MS)	112324001	SW-846 8270D Semivolatiles (PAHSIM)
182764	183095	4	MSD	57130	B2BHB5(112324001MSD)	112324001	SW-846 8270D Semivolatiles (PAHSIM)
182764	183095	14	SAMPLE	112326012	B2F039		SW-846 8270D Semivolatiles (PAHSIM)
182764	183095	15	SAMPLE	112326013	B2F040		SW-846 8270D Semivolatiles (PAHSIM)
182764	183095	16	SAMPLE	112326014	B2F041		SW-846 8270D Semivolatiles (PAHSIM)
182764	183095	17	SAMPLE	112326015	B2F042		SW-846 8270D Semivolatiles (PAHSIM)

Batch QC List

Attention Michael Neely
Department Organic, Semivolatiles

Group # WSCF112326

QC Batch	Analytical Batch	S#	Type	Sample #	Client Sample#	Original	Test
182764	183095	18	SAMPLE	112326016	B2F043		SW-846 8270D Semivolatiles (PAHSIM)
182764	183095	19	SAMPLE	112326017	B2F044		SW-846 8270D Semivolatiles (PAHSIM)
182764	183095	20	SAMPLE	112326018	B2F045		SW-846 8270D Semivolatiles (PAHSIM)
182764	183095	21	SAMPLE	112326019	B2F046		SW-846 8270D Semivolatiles (PAHSIM)
182764	183095	22	SAMPLE	112326020	B2F047		SW-846 8270D Semivolatiles (PAHSIM)
182764	183095	23	SAMPLE	112326021	B2F048		SW-846 8270D Semivolatiles (PAHSIM)
182764	183095	24	SAMPLE	112326022	B2F049		SW-846 8270D Semivolatiles (PAHSIM)
182863	183146	1	BLANK	57220	BLANK		PCBs by EPA SW-846 Method 8082
182863	183146	2	LCS	57221	LCS		PCBs by EPA SW-846 Method 8082
182863	183146	3	MS	57222	B2BH50(112310002MS)	112310002	PCBs by EPA SW-846 Method 8082
182863	183146	4	MSD	57223	B2BH50(112310002MSD)	112310002	PCBs by EPA SW-846 Method 8082
182863	183146	11	SAMPLE	112326012	B2F039		PCBs by EPA SW-846 Method 8082
182863	183146	12	SAMPLE	112326013	B2F040		PCBs by EPA SW-846 Method 8082
182863	183146	13	SAMPLE	112326014	B2F041		PCBs by EPA SW-846 Method 8082
182863	183146	14	SAMPLE	112326015	B2F042		PCBs by EPA SW-846 Method 8082
182863	183146	15	SAMPLE	112326016	B2F043		PCBs by EPA SW-846 Method 8082
182863	183146	16	SAMPLE	112326017	B2F044		PCBs by EPA SW-846 Method 8082
182863	183146	17	SAMPLE	112326018	B2F045		PCBs by EPA SW-846 Method 8082
182863	183146	18	SAMPLE	112326019	B2F046		PCBs by EPA SW-846 Method 8082
182864	183151	1	BLANK	57224	BLANK		PCBs by EPA SW-846 Method 8082
182864	183151	2	LCS	57225	LCS		PCBs by EPA SW-846 Method 8082
182864	183151	3	MS	57226	B2F047(112326020MS)	112326020	PCBs by EPA SW-846 Method 8082
182864	183151	4	MSD	57227	B2F047(112326020MSD)	112326020	PCBs by EPA SW-846 Method 8082

Batch QC List

Attention Michael Neely
Department Organic, Semivolatiles

Group # WSCF112326

QC Batch	Analytical Batch	S#	Type	Sample #	Client Sample#	Original	Test
182864	183151	5	SAMPLE	112326021	B2F048		PCBs by EPA SW-846 Method 8082
182864	183151	6	SAMPLE	112326022	B2F049		PCBs by EPA SW-846 Method 8082
182864	183151	15	SAMPLE	112326020	B2F047		PCBs by EPA SW-846 Method 8082

Batch QC List

Attention Michael Neely
Department Organic, Volatiles

Group # WSCF112326

QC Batch	Analytical Batch	S#	Type	Sample #	Client Sample#	Original	Test
182715	182717	1	BLANK	56939	BLANK		SW-846 8260B Volatiles, separate prep
182715	182717	2	LCS	56940	LCS		SW-846 8260B Volatiles, separate prep
182715	182717	3	MS	56941	B2F025(112326001MS)	112326001	SW-846 8260B Volatiles, separate prep
182715	182717	4	MSD	56942	B2F025(112326001MSD)	112326001	SW-846 8260B Volatiles, separate prep
182715	182717	5	SAMPLE	112326001	B2F025		SW-846 8260B Volatiles, separate prep
182715	182717	6	SAMPLE	112326002	B2F026		SW-846 8260B Volatiles, separate prep
182715	182717	7	SAMPLE	112326003	B2F027		SW-846 8260B Volatiles, separate prep
182715	182717	8	SAMPLE	112326004	B2F028		SW-846 8260B Volatiles, separate prep
182715	182717	9	SAMPLE	112326005	B2F029		SW-846 8260B Volatiles, separate prep
182715	182717	10	SAMPLE	112326006	B2F030		SW-846 8260B Volatiles, separate prep
182715	182717	11	SAMPLE	112326007	B2F031		SW-846 8260B Volatiles, separate prep
182715	182717	12	SAMPLE	112326008	B2F032		SW-846 8260B Volatiles, separate prep
182718	182719	1	BLANK	56946	BLANK		SW-846 8260B Volatiles, separate prep
182718	182719	2	LCS	56947	LCS		SW-846 8260B Volatiles, separate prep
182718	182719	3	MS	56948	B2F034(112326010MS)	112326010	SW-846 8260B Volatiles, separate prep
182718	182719	4	MSD	56949	B2F034(112326010MSD)	112326010	SW-846 8260B Volatiles, separate prep
182718	182719	5	SAMPLE	112326009	B2F033		SW-846 8260B Volatiles, separate prep
182718	182719	6	SAMPLE	112326010	B2F034		SW-846 8260B Volatiles, separate prep
182718	182719	7	SAMPLE	112326011	B2F035		SW-846 8260B Volatiles, separate prep

Batch QC List

Attention Michael Neely
Department Radiochemistry

Group # WSCF112326

QC Batch	Analytical Batch	S#	Type	Sample #	Client Sample#	Original	Test
182647	182663	1	BLANK	56745	BLANK		Strontium 89/90 (GPC/GEA)
182647	182663	2	LCS	56746	LCS		Strontium 89/90 (GPC/GEA)
182647	182663	3	DUP	56747	B2F039(112326012DUP)	112326012	Strontium 89/90 (GPC/GEA)
182647	182663	4	SAMPLE	112326012	B2F039		Strontium 89/90 (GPC/GEA)
182647	182663	5	SAMPLE	112326013	B2F040		Strontium 89/90 (GPC/GEA)
182647	182663	6	SAMPLE	112326014	B2F041		Strontium 89/90 (GPC/GEA)
182647	182663	7	SAMPLE	112326015	B2F042		Strontium 89/90 (GPC/GEA)
182647	182663	8	SAMPLE	112326016	B2F043		Strontium 89/90 (GPC/GEA)
182647	182663	9	SAMPLE	112326017	B2F044		Strontium 89/90 (GPC/GEA)
182647	182663	10	SAMPLE	112326018	B2F045		Strontium 89/90 (GPC/GEA)
182648	182753	1	BLANK	56748	BLANK		Strontium 89/90 (GPC/GEA)
182648	182753	2	LCS	56749	LCS		Strontium 89/90 (GPC/GEA)
182648	182753	3	DUP	56750	B2F046(112326019DUP)	112326019	Strontium 89/90 (GPC/GEA)
182648	182753	4	SAMPLE	112326019	B2F046		Strontium 89/90 (GPC/GEA)
182648	182753	5	SAMPLE	112326020	B2F047		Strontium 89/90 (GPC/GEA)
182648	182753	6	SAMPLE	112326021	B2F048		Strontium 89/90 (GPC/GEA)
182648	182753	7	SAMPLE	112326022	B2F049		Strontium 89/90 (GPC/GEA)
182652	182987	1	BLANK	56762	BLANK		Americium/Curium (AEA)
182652	182987	2	LCS	56763	LCS		Americium/Curium (AEA)
182652	182987	3	SAMPLE	112326012	B2F039		Americium/Curium (AEA)
182652	182987	4	DUP	56764	B2F039(112326012DUP)	112326012	Americium/Curium (AEA)
182652	182987	5	SAMPLE	112326013	B2F040		Americium/Curium (AEA)
182652	182987	6	SAMPLE	112326014	B2F041		Americium/Curium (AEA)

Batch QC List

Attention Michael Neely
Department Radiochemistry

Group # WSCF112326

QC Batch	Analytical Batch	S#	Type	Sample #	Client Sample#	Original	Test
182652	182987	7	SAMPLE	112326015	B2F042		Americium/Curium (AEA)
182652	182987	8	SAMPLE	112326016	B2F043		Americium/Curium (AEA)
182652	182987	9	SAMPLE	112326017	B2F044		Americium/Curium (AEA)
182652	182987	10	SAMPLE	112326018	B2F045		Americium/Curium (AEA)
182652	182988	1	DUP	56764	B2F039(112326012DUP)	112326012	Plutonium (AEA)
182652	182988	2	SAMPLE	112326012	B2F039		Plutonium (AEA)
182652	182988	3	SAMPLE	112326013	B2F040		Plutonium (AEA)
182652	182988	4	SAMPLE	112326014	B2F041		Plutonium (AEA)
182652	182988	5	SAMPLE	112326015	B2F042		Plutonium (AEA)
182652	182988	6	SAMPLE	112326016	B2F043		Plutonium (AEA)
182652	182988	7	SAMPLE	112326017	B2F044		Plutonium (AEA)
182652	182988	8	SAMPLE	112326018	B2F045		Plutonium (AEA)
182652	182988	9	BLANK	56762	BLANK		Plutonium (AEA)
182652	182988	10	LCS	56763	LCS		Plutonium (AEA)
182652	182989	1	DUP	56764	B2F039(112326012DUP)	112326012	Uranium (AEA)
182652	182989	2	SAMPLE	112326012	B2F039		Uranium (AEA)
182652	182989	3	SAMPLE	112326013	B2F040		Uranium (AEA)
182652	182989	4	SAMPLE	112326014	B2F041		Uranium (AEA)
182652	182989	5	SAMPLE	112326015	B2F042		Uranium (AEA)
182652	182989	6	SAMPLE	112326016	B2F043		Uranium (AEA)
182652	182989	7	SAMPLE	112326017	B2F044		Uranium (AEA)
182652	182989	8	SAMPLE	112326018	B2F045		Uranium (AEA)
182652	182989	9	BLANK	56762	BLANK		Uranium (AEA)

Batch QC List

Attention Michael Neely
Department Radiochemistry

Group # WSCF112326

QC Batch	Analytical Batch	S#	Type	Sample #	Client Sample#	Original	Test
182652	182989	10	LCS	56763	LCS		Uranium (AEA)
182653	182990	1	BLANK	56765	BLANK		Americium/Curium (AEA)
182653	182990	2	LCS	56766	LCS		Americium/Curium (AEA)
182653	182990	3	SAMPLE	112326019	B2F046		Americium/Curium (AEA)
182653	182990	4	DUP	56767	B2F046(112326019DUP)	112326019	Americium/Curium (AEA)
182653	182990	5	SAMPLE	112326020	B2F047		Americium/Curium (AEA)
182653	182990	6	SAMPLE	112326021	B2F048		Americium/Curium (AEA)
182653	182990	7	SAMPLE	112326022	B2F049		Americium/Curium (AEA)
182653	182991	1	DUP	56767	B2F046(112326019DUP)	112326019	Plutonium (AEA)
182653	182991	2	SAMPLE	112326019	B2F046		Plutonium (AEA)
182653	182991	3	SAMPLE	112326020	B2F047		Plutonium (AEA)
182653	182991	4	SAMPLE	112326021	B2F048		Plutonium (AEA)
182653	182991	5	SAMPLE	112326022	B2F049		Plutonium (AEA)
182653	182991	6	BLANK	56765	BLANK		Plutonium (AEA)
182653	182991	7	LCS	56766	LCS		Plutonium (AEA)
182653	182992	1	DUP	56767	B2F046(112326019DUP)	112326019	Uranium (AEA)
182653	182992	2	SAMPLE	112326019	B2F046		Uranium (AEA)
182653	182992	3	SAMPLE	112326020	B2F047		Uranium (AEA)
182653	182992	4	SAMPLE	112326021	B2F048		Uranium (AEA)
182653	182992	5	SAMPLE	112326022	B2F049		Uranium (AEA)
182653	182992	6	BLANK	56765	BLANK		Uranium (AEA)
182653	182992	7	LCS	56766	LCS		Uranium (AEA)
182706	182721	1	IBLANK	56908	IBLANK		Gamma Energy Analysis-general

Batch QC List

Attention Michael Neely
Department Radiochemistry

Group # WSCF112326

QC Batch	Analytical Batch	S#	Type	Sample #	Client Sample#	Original	Test
182706	182721	2	LCS	56909	LCS		Gamma Energy Analysis-general
182706	182721	3	DUP	56910	B2F039(112326012DUP)	112326012	Gamma Energy Analysis-general
182706	182721	4	SAMPLE	112326012	B2F039		Gamma Energy Analysis-general
182706	182721	5	SAMPLE	112326013	B2F040		Gamma Energy Analysis-general
182706	182721	6	SAMPLE	112326014	B2F041		Gamma Energy Analysis-general
182706	182721	7	SAMPLE	112326015	B2F042		Gamma Energy Analysis-general
182706	182721	8	SAMPLE	112326016	B2F043		Gamma Energy Analysis-general
182706	182721	9	SAMPLE	112326017	B2F044		Gamma Energy Analysis-general
182706	182721	10	SAMPLE	112326018	B2F045		Gamma Energy Analysis-general
182706	182721	11	SAMPLE	112326019	B2F046		Gamma Energy Analysis-general
182706	182721	12	SAMPLE	112326020	B2F047		Gamma Energy Analysis-general
182709	182713	1	IBLANK	56921	IBLANK		Gamma Energy Analysis-general
182709	182713	2	LCS	56922	LCS		Gamma Energy Analysis-general
182709	182713	3	DUP	56923	B2F048(112326021DUP)	112326021	Gamma Energy Analysis-general
182709	182713	4	SAMPLE	112326021	B2F048		Gamma Energy Analysis-general
182709	182713	5	SAMPLE	112326022	B2F049		Gamma Energy Analysis-general
182749	182750	1	BLANK	57088	BLANK		TC99 by Liquid Scintillation
182749	182750	2	LCS	57089	LCS		TC99 by Liquid Scintillation
182749	182750	3	SAMPLE	112326012	B2F039		TC99 by Liquid Scintillation
182749	182750	4	DUP	57090	B2F039(112326012DUP)	112326012	TC99 by Liquid Scintillation
182749	182750	5	MS	57091	B2F039(112326012MS)	112326012	TC99 by Liquid Scintillation
182749	182750	6	SAMPLE	112326013	B2F040		TC99 by Liquid Scintillation
182749	182750	7	SAMPLE	112326014	B2F041		TC99 by Liquid Scintillation

Batch QC List

Attention Michael Neely
Department Radiochemistry

Group # WSCF112326

QC Batch	Analytical Batch	S#	Type	Sample #	Client Sample#	Original	Test
182749	182750	8	SAMPLE	112326015	B2F042		TC99 by Liquid Scintillation
182749	182750	9	SAMPLE	112326016	B2F043		TC99 by Liquid Scintillation
182749	182750	10	SAMPLE	112326017	B2F044		TC99 by Liquid Scintillation
182749	182750	11	SAMPLE	112326018	B2F045		TC99 by Liquid Scintillation
182749	182750	12	SAMPLE	112326019	B2F046		TC99 by Liquid Scintillation
182749	182750	13	SAMPLE	112326020	B2F047		TC99 by Liquid Scintillation
182749	182750	14	SAMPLE	112326021	B2F048		TC99 by Liquid Scintillation
182749	182750	15	SAMPLE	112326022	B2F049		TC99 by Liquid Scintillation

Batch QC List

Attention Michael Neely
Department Wet Chemistry

Group # WSCF112326

QC Batch	Analytical Batch	S#	Type	Sample #	Client Sample#	Original	Test
182679	182679	9	SAMPLE	112326001	B2F025		Dry Weight/Percent Moisture
182679	182679	10	SAMPLE	112326002	B2F026		Dry Weight/Percent Moisture
182679	182679	11	SAMPLE	112326003	B2F027		Dry Weight/Percent Moisture
182679	182679	12	SAMPLE	112326004	B2F028		Dry Weight/Percent Moisture
182679	182679	13	SAMPLE	112326005	B2F029		Dry Weight/Percent Moisture
182679	182679	14	SAMPLE	112326006	B2F030		Dry Weight/Percent Moisture
182679	182679	15	SAMPLE	112326007	B2F031		Dry Weight/Percent Moisture
182679	182679	16	SAMPLE	112326008	B2F032		Dry Weight/Percent Moisture
182679	182679	17	SAMPLE	112326009	B2F033		Dry Weight/Percent Moisture
182679	182679	18	SAMPLE	112326010	B2F034		Dry Weight/Percent Moisture
182679	182679	19	SAMPLE	112326011	B2F035		Dry Weight/Percent Moisture
182679	182679	20	SAMPLE	112326012	B2F039		Dry Weight/Percent Moisture
182680	182680	1	SAMPLE	112326013	B2F040		Dry Weight/Percent Moisture
182680	182680	2	SAMPLE	112326014	B2F041		Dry Weight/Percent Moisture
182680	182680	3	SAMPLE	112326015	B2F042		Dry Weight/Percent Moisture
182680	182680	4	SAMPLE	112326016	B2F043		Dry Weight/Percent Moisture
182680	182680	5	SAMPLE	112326017	B2F044		Dry Weight/Percent Moisture
182680	182680	6	SAMPLE	112326018	B2F045		Dry Weight/Percent Moisture
182680	182680	7	SAMPLE	112326019	B2F046		Dry Weight/Percent Moisture
182680	182680	8	SAMPLE	112326020	B2F047		Dry Weight/Percent Moisture
182680	182680	9	SAMPLE	112326021	B2F048		Dry Weight/Percent Moisture
182680	182680	10	SAMPLE	112326022	B2F049		Dry Weight/Percent Moisture

Method Reference

Attention Michael Neely
Department Inorganic

Group # WSCF112326

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

LA-265-403	Hexavalent Chromium Analysis		
	EPA SW-846	7196A	Hexavalent Chromium
	HEIS	7196_CR6	Hexavalent Chromium
LA-505-411	Elemental Analysis by ICP Atomic Emission Spectroscopy (ICP AES)		
	EPA SW-846	6010C	Inductively Coupled Plasma-Atomic Emmision Spectrometry
	HEIS	6010_METALS_ICP	Inductively Coupled Plasma-Atomic Emmision Spectrometry
LA-505-412	Determination of Trace Elements in Waters & Wastes by ICP-Mass Spectrometry		
	EPA-600/R-94-111	200.8	Determination of Trace Elements in Waters and Waste by Inductively Coupled Plasma
	HEIS	200.8_METALS_ICPMS	Determination of Trace Elements in Waters and Waste by Inductively Coupled Plasma, Mass Spec.
LA-533-410	Anion Analysis by Ion Chromatography		
	EPA-600/R-94-111	300.0	Determination of Inorganic Anions by Ion Chromatography
	HEIS	300.0_ANIONS_IC	Determination of Inorganic Anions by Ion Chromatography

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

Method Reference

Attention Michael Neely
Department Organic, Semivolatiles

Group # WSCF112326

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

LA-523-456	Semivolatile Sample Analysis by SW-846 Method 8270D		
	EPA SW-846	8000B	Determinative Chromagraphic Separations
	EPA SW-846	3510C	Separatory Funnel Liquid-Liquid Extraction
	EPA SW-846	8270D	Semivolatile Organic Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)
	EPA SW-846	3545	Pressurized Fluid Extraction (PFE)
	HEIS	8270_SVOA_GCMS	Semivolatile Organic Compounds by Gas Chromatography/Mass Spectrometry(GC/MS)
LA-523-427	Polychlorinated Biphenyls (PCB'S) by Gas Chromatography		
	EPA SW-846	3510C	Separatory Funnel Liquid-Liquid Extraction
	EPA SW-846	3545	Pressurized Fluid Extraction (PFE)
	EPA SW-846	3665A	Sulfuric Acid/Permanganate Cleanup
	EPA SW-846	8000B	Determinative Chromatographic Separations
	EPA SW-846	8082	Polychlorinated Biphenyls (PCBs) by Gas Chromatography
	HEIS	8082_PCB_GC	Polychlorinated Biphenyls (PCBs) by Gas Chromatography
LA-523-493	NWTPH-Dx, Extractible Diesel and Petroleum Productions Analysis in Soil and Water		
	WDOE	WDOE	Total Petroleum Hydrocarbons in Diesel
	HEIS	WTPH_DIESEL	TPH Diesel

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

Method Reference

Attention Michael Neely
Department Organic, Volatiles

Group # WSCF112326

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

LA-523-455	Volatile Sample Analysis by SW-846 Method 8260B		
	EPA SW-846	8000B	Determinative Chromographic Separations
	EPA SW-846	8260B	Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)
	HEIS	8260_VOA_GCMS	Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

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

Method Reference

Attention Michael Neely
Department Radiochemistry

Group # WSCF112326

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

LA-220-406	Strontium-89 and 90 in Aqueous Samples by SR-SPEC Separation		
	HEIS	SRTOT_SEP_PRECIP_GPC	Strontium 89/90, by Sr-Spec Sep.
LA-508-471	Thorium, Neptunium, Plutonium, Americium, and Uranium In Soil and Water Using Eichrom Column Separation (Prep)		
	HEIS	PUISO_IE_PRECIP_AEA	Isotopic Plutonium, Alpha Spec
LA-508-471	Determination Of Uranium, Plutonium, And Americium		
	HEIS	AMCMISO_IE_PREC_AEA	Americium/Curium Iso, Alpha Spec
LA-508-481	Gamma Energy Analysis using the Canberra Genie Ssystem		
	HEIS	GAMMA_GS	Gamma Energy Analysis
LA-508-471	Determination Of Uranium, Plutonium, And Americium		
	HEIS	UISO_IE_PRECIP_AEA	Uranium Iso, Alpha Spec
LA-508-421	Operation of the Tri-Carb Model 2500TR Liquid Scintillation Analyzer		
	HEIS	ALPHA_LSC	A/B Liquid Scintillation
	HEIS	BETA_LSC	A/B Liquid Scintillation
	HEIS	TC99_3MDSK_LSC	TC99 by Liquid Scintillation
	HEIS	TRITIUM_EIE_LSC	Tritium, by Eichrome ion exchange, LSC

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

Method Reference

Attention Michael Neely
Department Wet Chemistry

Group # WSCF112326

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

LA-519-412	Total Residual Percent Solids Dried at 103 - 105 Degrees C		
	EPA-600/4-79-020	160.3	Total Residue
	Standard Methods	2540B	Total Solids Dried at 103-105 C
	HEIS	%SOLIDS	Dry Weight, Percent Solids

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

WSCF Analytical Results Report

Attention Michael Neely
Department Inorganic

Group # WSCF112326

Sample # 112326012
SAF# F11-127
Sample ID B2F039

Matrix SOIL
Sampled 05/25/11
Received 05/25/11

Test Performed	CAS #	Method	RQ	Result	TP Err	Units	DF	MDL	PQL	Analyzed
Anions by IC										**06/02/11**
Anions by IC										
Fluoride	16984-48-8	LA-533-410	UN	<1.9		mg/kg	1	1.9	11	06/02/11
Nitrate-N	NO3-N	LA-533-410	B	1.51		mg/kg	1	1.0	5.4	06/02/11
Cr(VI) Prep										**06/02/11**
Cr(VI)										
Hexavalent chromium	18540-29-9	LA-265-403	B	0.0670		ug/g	1	0.036	0.54	06/03/11
ICP Prep										**06/02/11**
ICP-AES										
Lithium	7439-93-2	LA-505-411		6.49		mg/kg	1	0.54	2.2	06/07/11
ICPMS Prep										**06/02/11**
ICP-MS										
Manganese	7439-96-5	LA-505-412		401		mg/kg	1	0.099	0.99	06/03/11
Nickel	7440-02-0	LA-505-412		12.0		mg/kg	1	0.20	2.0	06/03/11
Silver	7440-22-4	LA-505-412	U	<0.099		mg/kg	1	0.099	0.99	06/03/11
Antimony	7440-36-0	LA-505-412	U	<0.30		mg/kg	1	0.30	3.0	06/03/11
Barium	7440-39-3	LA-505-412		92.4		mg/kg	1	0.20	2.0	06/03/11
Beryllium	7440-41-7	LA-505-412	B	0.392		mg/kg	1	0.099	0.49	06/03/11
Cadmium	7440-43-9	LA-505-412	U	<0.099		mg/kg	1	0.099	0.99	06/03/11

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

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

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

WSCF Analytical Results Report

Attention Michael Neely
Department Inorganic

Group # WSCF112326

Sample # 112326012
SAF# F11-127
Sample ID B2F039

Matrix SOIL
Sampled 05/25/11
Received 05/25/11

Test Performed	CAS #	Method	RQ	Result	TP Err	Units	DF	MDL	PQL	Analyzed
Chromium	7440-47-3	LA-505-412		7.83		mg/kg	1	0.49	4.9	06/03/11
Cobalt	7440-48-4	LA-505-412		10.9		mg/kg	1	0.099	0.49	06/03/11
Copper	7440-50-8	LA-505-412		15.7		mg/kg	1	0.099	0.99	06/03/11
Vanadium	7440-62-2	LA-505-412		75.3		mg/kg	1	0.20	2.0	06/03/11
Zinc	7440-66-6	LA-505-412		52.9		mg/kg	1	0.79	4.9	06/03/11
Lead	7439-92-1	LA-505-412		5.05		mg/kg	1	0.099	0.99	06/03/11
Mercury	7439-97-6	LA-505-412	U	<0.049		mg/kg	1	0.049	0.20	06/03/11
Strontium	7440-24-6	LA-505-412		25.9		mg/kg	1	0.099	0.99	06/03/11
Thallium	7440-28-0	LA-505-412	B	0.139		mg/kg	1	0.099	0.49	06/03/11
Tin	7440-31-5	LA-505-412		0.517		mg/kg	1	0.099	0.49	06/03/11
Uranium	7440-61-1	LA-505-412		0.612		mg/kg	1	0.099	0.49	06/03/11
Arsenic	7440-38-2	LA-505-412	B	3.68		mg/kg	1	0.40	4.0	06/03/11
Selenium	7782-49-2	LA-505-412	B	0.740		mg/kg	1	0.30	3.0	06/03/11
Boron	7440-42-8	LA-505-412	B	0.924		mg/kg	1	0.49	4.9	06/03/11

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

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

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

WSCF Analytical Results Report

Attention Michael Neely
Department Inorganic

Group # WSCF112326

Sample # 112326013
SAF# F11-127
Sample ID B2F040

Matrix SOIL
Sampled 05/25/11
Received 05/25/11

Test Performed	CAS #	Method	RQ	Result	TP Err	Units	DF	MDL	PQL	Analyzed
Anions by IC										**06/02/11**
Anions by IC										
Fluoride	16984-48-8	LA-533-410	UN	<1.9		mg/kg	1	1.9	10	06/02/11
Nitrate-N	NO3-N	LA-533-410	B	1.65		mg/kg	1	0.99	5.2	06/02/11
Cr(VI) Prep										**06/02/11**
Cr(VI)										
Hexavalent chromium	18540-29-9	LA-265-403	B	0.0365		ug/g	1	0.034	0.52	06/03/11
ICP Prep										**06/02/11**
ICP-AES										
Lithium	7439-93-2	LA-505-411		6.19		mg/kg	1	0.52	2.1	06/07/11
ICPMS Prep										**06/02/11**
ICP-MS										
Manganese	7439-96-5	LA-505-412		342		mg/kg	1	0.095	0.95	06/03/11
Nickel	7440-02-0	LA-505-412		10.1		mg/kg	1	0.19	1.9	06/03/11
Silver	7440-22-4	LA-505-412	U	<0.095		mg/kg	1	0.095	0.95	06/03/11
Antimony	7440-36-0	LA-505-412	U	<0.28		mg/kg	1	0.28	2.8	06/03/11
Barium	7440-39-3	LA-505-412		74.4		mg/kg	1	0.19	1.9	06/03/11
Beryllium	7440-41-7	LA-505-412	B	0.337		mg/kg	1	0.095	0.47	06/03/11
Cadmium	7440-43-9	LA-505-412	U	<0.095		mg/kg	1	0.095	0.95	06/03/11

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

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

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

WSCF Analytical Results Report

Attention Michael Neely
Department Inorganic

Group # WSCF112326

Sample # 112326013
SAF# F11-127
Sample ID B2F040

Matrix SOIL
Sampled 05/25/11
Received 05/25/11

Test Performed	CAS #	Method	RQ	Result	TP Err	Units	DF	MDL	PQL	Analyzed
Chromium	7440-47-3	LA-505-412		5.65		mg/kg	1	0.47	4.7	06/03/11
Cobalt	7440-48-4	LA-505-412		9.63		mg/kg	1	0.095	0.47	06/03/11
Copper	7440-50-8	LA-505-412		13.2		mg/kg	1	0.095	0.95	06/03/11
Vanadium	7440-62-2	LA-505-412		77.0		mg/kg	1	0.19	1.9	06/03/11
Zinc	7440-66-6	LA-505-412		49.8		mg/kg	1	0.76	4.7	06/03/11
Lead	7439-92-1	LA-505-412		3.86		mg/kg	1	0.095	0.95	06/03/11
Mercury	7439-97-6	LA-505-412	U	<0.047		mg/kg	1	0.047	0.19	06/03/11
Strontium	7440-24-6	LA-505-412		23.8		mg/kg	1	0.095	0.95	06/03/11
Thallium	7440-28-0	LA-505-412	B	0.0992		mg/kg	1	0.095	0.47	06/03/11
Tin	7440-31-5	LA-505-412		0.483		mg/kg	1	0.095	0.47	06/03/11
Uranium	7440-61-1	LA-505-412		0.565		mg/kg	1	0.095	0.47	06/03/11
Arsenic	7440-38-2	LA-505-412	B	3.62		mg/kg	1	0.38	3.8	06/03/11
Selenium	7782-49-2	LA-505-412	B	0.701		mg/kg	1	0.28	2.8	06/03/11
Boron	7440-42-8	LA-505-412	B	0.616		mg/kg	1	0.47	4.7	06/03/11

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

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

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

WSCF Analytical Results Report

Attention Michael Neely
Department Inorganic

Group # WSCF112326

Sample # 112326014
SAF# F11-127
Sample ID B2F041

Matrix SOIL
Sampled 05/25/11
Received 05/25/11

Test Performed	CAS #	Method	RQ	Result	TP Err	Units	DF	MDL	PQL	Analyzed
Anions by IC										**06/02/11**
Anions by IC										
Fluoride	16984-48-8	LA-533-410	UN	<1.9		mg/kg	1	1.9	11	06/02/11
Nitrate-N	NO3-N	LA-533-410	U	<1.0		mg/kg	1	1.0	5.3	06/02/11
Cr(VI) Prep										**06/02/11**
Cr(VI)										
Hexavalent chromium	18540-29-9	LA-265-403	B	0.0790		ug/g	1	0.035	0.53	06/03/11
ICP Prep										**06/02/11**
ICP-AES										
Lithium	7439-93-2	LA-505-411		5.07		mg/kg	1	0.53	2.1	06/07/11
ICPMS Prep										**06/02/11**
ICP-MS										
Manganese	7439-96-5	LA-505-412		404		mg/kg	1	0.098	0.98	06/03/11
Nickel	7440-02-0	LA-505-412		11.1		mg/kg	1	0.20	2.0	06/03/11
Silver	7440-22-4	LA-505-412	U	<0.098		mg/kg	1	0.098	0.98	06/03/11
Antimony	7440-36-0	LA-505-412	U	<0.29		mg/kg	1	0.29	2.9	06/03/11
Barium	7440-39-3	LA-505-412		99.8		mg/kg	1	0.20	2.0	06/03/11
Beryllium	7440-41-7	LA-505-412	B	0.364		mg/kg	1	0.098	0.49	06/03/11
Cadmium	7440-43-9	LA-505-412	U	<0.098		mg/kg	1	0.098	0.98	06/03/11

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

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

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

WSCF Analytical Results Report

Attention Michael Neely
Department Inorganic

Group # WSCF112326

Sample # 112326014
SAF# F11-127
Sample ID B2F041

Matrix SOIL
Sampled 05/25/11
Received 05/25/11

Test Performed	CAS #	Method	RQ	Result	TP Err	Units	DF	MDL	PQL	Analyzed
Chromium	7440-47-3	LA-505-412		7.62		mg/kg	1	0.49	4.9	06/03/11
Cobalt	7440-48-4	LA-505-412		10.5		mg/kg	1	0.098	0.49	06/03/11
Copper	7440-50-8	LA-505-412		16.2		mg/kg	1	0.098	0.98	06/03/11
Vanadium	7440-62-2	LA-505-412		68.9		mg/kg	1	0.20	2.0	06/03/11
Zinc	7440-66-6	LA-505-412		51.1		mg/kg	1	0.78	4.9	06/03/11
Lead	7439-92-1	LA-505-412		5.84		mg/kg	1	0.098	0.98	06/03/11
Mercury	7439-97-6	LA-505-412	U	<0.049		mg/kg	1	0.049	0.20	06/03/11
Strontium	7440-24-6	LA-505-412		30.1		mg/kg	1	0.098	0.98	06/03/11
Thallium	7440-28-0	LA-505-412	B	0.121		mg/kg	1	0.098	0.49	06/03/11
Tin	7440-31-5	LA-505-412	B	0.457		mg/kg	1	0.098	0.49	06/03/11
Uranium	7440-61-1	LA-505-412		0.681		mg/kg	1	0.098	0.49	06/03/11
Arsenic	7440-38-2	LA-505-412		4.80		mg/kg	1	0.39	3.9	06/03/11
Selenium	7782-49-2	LA-505-412	B	0.728		mg/kg	1	0.29	2.9	06/03/11
Boron	7440-42-8	LA-505-412	B	0.600		mg/kg	1	0.49	4.9	06/03/11

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

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

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

WSCF Analytical Results Report

Attention Michael Neely
Department Inorganic

Group # WSCF112326

Sample # 112326015
SAF# F11-127
Sample ID B2F042

Matrix SOIL
Sampled 05/25/11
Received 05/25/11

Test Performed	CAS #	Method	RQ	Result	TP Err	Units	DF	MDL	PQL	Analyzed
Anions by IC										**06/02/11**
Anions by IC										
Fluoride	16984-48-8	LA-533-410	UN	<1.9		mg/kg	1	1.9	11	06/02/11
Nitrate-N	NO3-N	LA-533-410	B	1.69		mg/kg	1	1.0	5.4	06/02/11
Cr(VI) Prep										**06/02/11**
Cr(VI)										
Hexavalent chromium	18540-29-9	LA-265-403	B	0.0804		ug/g	1	0.035	0.54	06/03/11
ICP Prep										**06/02/11**
ICP-AES										
Lithium	7439-93-2	LA-505-411		8.84		mg/kg	1	0.54	2.2	06/07/11
ICPMS Prep										**06/02/11**
ICP-MS										
Manganese	7439-96-5	LA-505-412		443		mg/kg	1	0.11	1.1	06/03/11
Nickel	7440-02-0	LA-505-412		11.1		mg/kg	1	0.21	2.1	06/03/11
Silver	7440-22-4	LA-505-412	U	<0.11		mg/kg	1	0.11	1.1	06/03/11
Antimony	7440-36-0	LA-505-412	U	<0.32		mg/kg	1	0.32	3.2	06/03/11
Barium	7440-39-3	LA-505-412		117		mg/kg	1	0.21	2.1	06/03/11
Beryllium	7440-41-7	LA-505-412	B	0.508		mg/kg	1	0.11	0.53	06/03/11
Cadmium	7440-43-9	LA-505-412	U	<0.11		mg/kg	1	0.11	1.1	06/03/11

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

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

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

WSCF Analytical Results Report

Attention Michael Neely
Department Inorganic

Group # WSCF112326

Sample # 112326015
SAF# F11-127
Sample ID B2F042

Matrix SOIL
Sampled 05/25/11
Received 05/25/11

Test Performed	CAS #	Method	RQ	Result	TP Err	Units	DF	MDL	PQL	Analyzed
Chromium	7440-47-3	LA-505-412		9.10		mg/kg	1	0.53	5.3	06/03/11
Cobalt	7440-48-4	LA-505-412		11.3		mg/kg	1	0.11	0.53	06/03/11
Copper	7440-50-8	LA-505-412		16.5		mg/kg	1	0.11	1.1	06/03/11
Vanadium	7440-62-2	LA-505-412		64.0		mg/kg	1	0.21	2.1	06/03/11
Zinc	7440-66-6	LA-505-412		54.0		mg/kg	1	0.84	5.3	06/03/11
Lead	7439-92-1	LA-505-412		6.92		mg/kg	1	0.11	1.1	06/03/11
Mercury	7439-97-6	LA-505-412	U	<0.053		mg/kg	1	0.053	0.21	06/03/11
Strontium	7440-24-6	LA-505-412		34.9		mg/kg	1	0.11	1.1	06/03/11
Thallium	7440-28-0	LA-505-412	B	0.139		mg/kg	1	0.11	0.53	06/03/11
Tin	7440-31-5	LA-505-412	B	0.479		mg/kg	1	0.11	0.53	06/03/11
Uranium	7440-61-1	LA-505-412		0.710		mg/kg	1	0.11	0.53	06/03/11
Arsenic	7440-38-2	LA-505-412		5.72		mg/kg	1	0.42	4.2	06/03/11
Selenium	7782-49-2	LA-505-412	B	0.833		mg/kg	1	0.32	3.2	06/03/11
Boron	7440-42-8	LA-505-412	U	<0.53		mg/kg	1	0.53	5.3	06/03/11

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

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

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

WSCF Analytical Results Report

Attention Michael Neely
Department Inorganic

Group # WSCF112326

Sample # 112326016
SAF# F11-127
Sample ID B2F043

Matrix SOIL
Sampled 05/25/11
Received 05/25/11

Test Performed	CAS #	Method	RQ	Result	TP Err	Units	DF	MDL	PQL	Analyzed
Anions by IC										**06/02/11**
Anions by IC										
Fluoride	16984-48-8	LA-533-410	UN	<1.9		mg/kg	1	1.9	10	06/02/11
Nitrate-N	NO3-N	LA-533-410	U	<0.99		mg/kg	1	0.99	5.2	06/02/11
Cr(VI) Prep										**06/02/11**
Cr(VI)										
Hexavalent chromium	18540-29-9	LA-265-403	B	0.0654		ug/g	1	0.035	0.53	06/03/11
ICP Prep										**06/02/11**
ICP-AES										
Lithium	7439-93-2	LA-505-411		7.12		mg/kg	1	0.53	2.1	06/07/11
ICPMS Prep										**06/02/11**
ICP-MS										
Manganese	7439-96-5	LA-505-412		422		mg/kg	1	0.097	0.97	06/03/11
Nickel	7440-02-0	LA-505-412		9.51		mg/kg	1	0.19	1.9	06/03/11
Silver	7440-22-4	LA-505-412	U	<0.097		mg/kg	1	0.097	0.97	06/03/11
Antimony	7440-36-0	LA-505-412	U	<0.29		mg/kg	1	0.29	2.9	06/03/11
Barium	7440-39-3	LA-505-412		114		mg/kg	1	0.19	1.9	06/03/11
Beryllium	7440-41-7	LA-505-412	B	0.292		mg/kg	1	0.097	0.49	06/03/11
Cadmium	7440-43-9	LA-505-412	U	<0.097		mg/kg	1	0.097	0.97	06/03/11

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

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

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

WSCF Analytical Results Report

Attention Michael Neely
Department Inorganic

Group # WSCF112326

Sample # 112326016
SAF# F11-127
Sample ID B2F043

Matrix SOIL
Sampled 05/25/11
Received 05/25/11

Test Performed	CAS #	Method	RQ	Result	TP Err	Units	DF	MDL	PQL	Analyzed
Chromium	7440-47-3	LA-505-412		7.32		mg/kg	1	0.49	4.9	06/03/11
Cobalt	7440-48-4	LA-505-412		10.9		mg/kg	1	0.097	0.49	06/03/11
Copper	7440-50-8	LA-505-412		13.5		mg/kg	1	0.097	0.97	06/03/11
Vanadium	7440-62-2	LA-505-412		69.0		mg/kg	1	0.19	1.9	06/03/11
Zinc	7440-66-6	LA-505-412		51.3		mg/kg	1	0.78	4.9	06/03/11
Lead	7439-92-1	LA-505-412		5.37		mg/kg	1	0.097	0.97	06/03/11
Mercury	7439-97-6	LA-505-412	U	<0.049		mg/kg	1	0.049	0.19	06/03/11
Strontium	7440-24-6	LA-505-412		32.1		mg/kg	1	0.097	0.97	06/03/11
Thallium	7440-28-0	LA-505-412	B	0.114		mg/kg	1	0.097	0.49	06/03/11
Tin	7440-31-5	LA-505-412	B	0.457		mg/kg	1	0.097	0.49	06/03/11
Uranium	7440-61-1	LA-505-412		0.591		mg/kg	1	0.097	0.49	06/03/11
Arsenic	7440-38-2	LA-505-412		4.15		mg/kg	1	0.39	3.9	06/03/11
Selenium	7782-49-2	LA-505-412	B	0.666		mg/kg	1	0.29	2.9	06/03/11
Boron	7440-42-8	LA-505-412	U	<0.49		mg/kg	1	0.49	4.9	06/03/11

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

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

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

WSCF Analytical Results Report

Attention Michael Neely
Department Inorganic

Group # WSCF112326

Sample # 112326017
SAF# F11-127
Sample ID B2F044

Matrix SOIL
Sampled 05/25/11
Received 05/25/11

Test Performed	CAS #	Method	RQ	Result	TP Err	Units	DF	MDL	PQL	Analyzed
Anions by IC										**06/02/11**
Anions by IC										
Fluoride	16984-48-8	LA-533-410	U	<2.2		mg/kg	1	2.2	12	06/02/11
Nitrate-N	NO3-N	LA-533-410	U	<1.2		mg/kg	1	1.2	6.1	06/02/11
Cr(VI) Prep										**06/02/11**
Cr(VI)										
Hexavalent chromium	18540-29-9	LA-265-403	B	0.0596		ug/g	1	0.040	0.61	06/03/11
ICP Prep										**06/02/11**
ICP-AES										
Lithium	7439-93-2	LA-505-411		8.82		mg/kg	1	0.61	2.5	06/07/11
ICPMS Prep										**06/02/11**
ICP-MS										
Manganese	7439-96-5	LA-505-412		467		mg/kg	1	0.11	1.1	06/03/11
Nickel	7440-02-0	LA-505-412		9.91		mg/kg	1	0.23	2.3	06/03/11
Silver	7440-22-4	LA-505-412	U	<0.11		mg/kg	1	0.11	1.1	06/03/11
Antimony	7440-36-0	LA-505-412	U	<0.34		mg/kg	1	0.34	3.4	06/03/11
Barium	7440-39-3	LA-505-412		123		mg/kg	1	0.23	2.3	06/03/11
Beryllium	7440-41-7	LA-505-412	B	0.313		mg/kg	1	0.11	0.57	06/03/11
Cadmium	7440-43-9	LA-505-412	U	<0.11		mg/kg	1	0.11	1.1	06/03/11

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

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

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

WSCF Analytical Results Report

Attention Michael Neely
Department Inorganic

Group # WSCF112326

Sample # 112326017
SAF# F11-127
Sample ID B2F044

Matrix SOIL
Sampled 05/25/11
Received 05/25/11

Test Performed	CAS #	Method	RQ	Result	TP Err	Units	DF	MDL	PQL	Analyzed
Chromium	7440-47-3	LA-505-412		8.10		mg/kg	1	0.57	5.7	06/03/11
Cobalt	7440-48-4	LA-505-412		12.2		mg/kg	1	0.11	0.57	06/03/11
Copper	7440-50-8	LA-505-412		15.1		mg/kg	1	0.11	1.1	06/03/11
Vanadium	7440-62-2	LA-505-412		74.8		mg/kg	1	0.23	2.3	06/03/11
Zinc	7440-66-6	LA-505-412		55.1		mg/kg	1	0.91	5.7	06/03/11
Lead	7439-92-1	LA-505-412		5.32		mg/kg	1	0.11	1.1	06/03/11
Mercury	7439-97-6	LA-505-412	U	<0.057		mg/kg	1	0.057	0.23	06/03/11
Strontium	7440-24-6	LA-505-412		32.6		mg/kg	1	0.11	1.1	06/03/11
Thallium	7440-28-0	LA-505-412	B	0.111		mg/kg	1	0.11	0.57	06/03/11
Tin	7440-31-5	LA-505-412	B	0.508		mg/kg	1	0.11	0.57	06/03/11
Uranium	7440-61-1	LA-505-412		0.610		mg/kg	1	0.11	0.57	06/03/11
Arsenic	7440-38-2	LA-505-412	B	4.45		mg/kg	1	0.46	4.6	06/03/11
Selenium	7782-49-2	LA-505-412	B	0.769		mg/kg	1	0.34	3.4	06/03/11
Boron	7440-42-8	LA-505-412	U	<0.57		mg/kg	1	0.57	5.7	06/03/11

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

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

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

WSCF Analytical Results Report

Attention Michael Neely
Department Inorganic

Group # WSCF112326

Sample # 112326018
SAF# F11-127
Sample ID B2F045

Matrix SOIL
Sampled 05/25/11
Received 05/25/11

Test Performed	CAS #	Method	RQ	Result	TP Err	Units	DF	MDL	PQL	Analyzed
Anions by IC										**06/02/11**
Anions by IC										
Fluoride	16984-48-8	LA-533-410	U	<1.9		mg/kg	1	1.9	11	06/02/11
Nitrate-N	NO3-N	LA-533-410	B	2.44		mg/kg	1	1.0	5.4	06/02/11
Cr(VI) Prep										**06/02/11**
Cr(VI)										
Hexavalent chromium	18540-29-9	LA-265-403	B	0.0530		ug/g	1	0.036	0.54	06/03/11
ICP Prep										**06/02/11**
ICP-AES										
Lithium	7439-93-2	LA-505-411		8.50		mg/kg	1	0.54	2.2	06/07/11
ICPMS Prep										**06/02/11**
ICP-MS										
Manganese	7439-96-5	LA-505-412		429		mg/kg	1	0.11	1.1	06/03/11
Nickel	7440-02-0	LA-505-412		11.1		mg/kg	1	0.21	2.1	06/03/11
Silver	7440-22-4	LA-505-412	U	<0.11		mg/kg	1	0.11	1.1	06/03/11
Antimony	7440-36-0	LA-505-412	U	<0.32		mg/kg	1	0.32	3.2	06/03/11
Barium	7440-39-3	LA-505-412		121		mg/kg	1	0.21	2.1	06/03/11
Beryllium	7440-41-7	LA-505-412	B	0.481		mg/kg	1	0.11	0.53	06/03/11
Cadmium	7440-43-9	LA-505-412	U	<0.11		mg/kg	1	0.11	1.1	06/03/11

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

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

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

WSCF Analytical Results Report

Attention Michael Neely
Department Inorganic

Group # WSCF112326

Sample # 112326018
SAF# F11-127
Sample ID B2F045

Matrix SOIL
Sampled 05/25/11
Received 05/25/11

Test Performed	CAS #	Method	RQ	Result	TP Err	Units	DF	MDL	PQL	Analyzed
Chromium	7440-47-3	LA-505-412		8.92		mg/kg	1	0.53	5.3	06/03/11
Cobalt	7440-48-4	LA-505-412		11.2		mg/kg	1	0.11	0.53	06/03/11
Copper	7440-50-8	LA-505-412		16.1		mg/kg	1	0.11	1.1	06/03/11
Vanadium	7440-62-2	LA-505-412		61.3		mg/kg	1	0.21	2.1	06/03/11
Zinc	7440-66-6	LA-505-412		54.0		mg/kg	1	0.84	5.3	06/03/11
Lead	7439-92-1	LA-505-412		6.57		mg/kg	1	0.11	1.1	06/03/11
Mercury	7439-97-6	LA-505-412	U	<0.053		mg/kg	1	0.053	0.21	06/03/11
Strontium	7440-24-6	LA-505-412		33.1		mg/kg	1	0.11	1.1	06/03/11
Thallium	7440-28-0	LA-505-412	B	0.121		mg/kg	1	0.11	0.53	06/03/11
Tin	7440-31-5	LA-505-412	B	0.470		mg/kg	1	0.11	0.53	06/03/11
Uranium	7440-61-1	LA-505-412		0.785		mg/kg	1	0.11	0.53	06/03/11
Arsenic	7440-38-2	LA-505-412		5.29		mg/kg	1	0.42	4.2	06/03/11
Selenium	7782-49-2	LA-505-412	B	0.744		mg/kg	1	0.32	3.2	06/03/11
Boron	7440-42-8	LA-505-412	U	<0.53		mg/kg	1	0.53	5.3	06/03/11

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

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

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

WSCF Analytical Results Report

Attention Michael Neely
Department Inorganic

Group # WSCF112326

Sample # 112326019
SAF# F11-127
Sample ID B2F046

Matrix SOIL
Sampled 05/25/11
Received 05/25/11

Test Performed	CAS #	Method	RQ	Result	TP Err	Units	DF	MDL	PQL	Analyzed
Anions by IC										**06/02/11**
Anions by IC										
Fluoride	16984-48-8	LA-533-410	U	<1.9		mg/kg	1	1.9	10	06/02/11
Nitrate-N	NO3-N	LA-533-410	B	1.74		mg/kg	1	0.99	5.2	06/02/11
Cr(VI) Prep										**06/02/11**
Cr(VI)										
Hexavalent chromium	18540-29-9	LA-265-403	B	0.0513		ug/g	1	0.035	0.52	06/03/11
ICP Prep										**06/02/11**
ICP-AES										
Lithium	7439-93-2	LA-505-411		6.31		mg/kg	1	0.53	2.1	06/07/11
ICPMS Prep										**06/02/11**
ICP-MS										
Manganese	7439-96-5	LA-505-412		368		mg/kg	1	0.098	0.98	06/03/11
Nickel	7440-02-0	LA-505-412		9.39		mg/kg	1	0.20	2.0	06/03/11
Silver	7440-22-4	LA-505-412	U	<0.098		mg/kg	1	0.098	0.98	06/03/11
Antimony	7440-36-0	LA-505-412	U	<0.29		mg/kg	1	0.29	2.9	06/03/11
Barium	7440-39-3	LA-505-412		119		mg/kg	1	0.20	2.0	06/03/11
Beryllium	7440-41-7	LA-505-412	B	0.240		mg/kg	1	0.098	0.49	06/03/11
Cadmium	7440-43-9	LA-505-412	U	<0.098		mg/kg	1	0.098	0.98	06/03/11

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

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

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

WSCF Analytical Results Report

Attention Michael Neely
Department Inorganic

Group # WSCF112326

Sample # 112326019
SAF# F11-127
Sample ID B2F046

Matrix SOIL
Sampled 05/25/11
Received 05/25/11

Test Performed	CAS #	Method	RQ	Result	TP Err	Units	DF	MDL	PQL	Analyzed
Chromium	7440-47-3	LA-505-412		7.26		mg/kg	1	0.49	4.9	06/03/11
Cobalt	7440-48-4	LA-505-412		10.3		mg/kg	1	0.098	0.49	06/03/11
Copper	7440-50-8	LA-505-412		15.8		mg/kg	1	0.098	0.98	06/03/11
Vanadium	7440-62-2	LA-505-412		71.2		mg/kg	1	0.20	2.0	06/03/11
Zinc	7440-66-6	LA-505-412		53.8		mg/kg	1	0.78	4.9	06/03/11
Lead	7439-92-1	LA-505-412		4.28		mg/kg	1	0.098	0.98	06/03/11
Mercury	7439-97-6	LA-505-412	U	<0.049		mg/kg	1	0.049	0.20	06/03/11
Strontium	7440-24-6	LA-505-412		27.4		mg/kg	1	0.098	0.98	06/03/11
Thallium	7440-28-0	LA-505-412	U	<0.098		mg/kg	1	0.098	0.49	06/03/11
Tin	7440-31-5	LA-505-412	B	0.441		mg/kg	1	0.098	0.49	06/03/11
Uranium	7440-61-1	LA-505-412		0.615		mg/kg	1	0.098	0.49	06/03/11
Arsenic	7440-38-2	LA-505-412	B	3.80		mg/kg	1	0.39	3.9	06/03/11
Selenium	7782-49-2	LA-505-412	B	0.631		mg/kg	1	0.29	2.9	06/03/11
Boron	7440-42-8	LA-505-412	U	<0.49		mg/kg	1	0.49	4.9	06/03/11

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

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

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

WSCF Analytical Results Report

Attention Michael Neely
Department Inorganic

Group # WSCF112326

Sample # 112326020
SAF# F11-127
Sample ID B2F047

Matrix SOIL
Sampled 05/25/11
Received 05/25/11

Test Performed	CAS #	Method	RQ	Result	TP Err	Units	DF	MDL	PQL	Analyzed
Anions by IC										**06/02/11**
Anions by IC										
Fluoride	16984-48-8	LA-533-410	U	<2.1		mg/kg	1	2.1	12	06/02/11
Nitrate-N	NO3-N	LA-533-410	B	2.11		mg/kg	1	1.1	5.9	06/02/11
Cr(VI) Prep										**06/02/11**
Cr(VI)										
Hexavalent chromium	18540-29-9	LA-265-403	B	0.103		ug/g	1	0.039	0.58	06/03/11
ICP Prep										**06/02/11**
ICP-AES										
Lithium	7439-93-2	LA-505-411		8.07		mg/kg	1	0.58	2.3	06/07/11
ICPMS Prep										**06/02/11**
ICP-MS										
Manganese	7439-96-5	LA-505-412		396		mg/kg	1	0.11	1.1	06/03/11
Nickel	7440-02-0	LA-505-412		11.3		mg/kg	1	0.22	2.2	06/03/11
Silver	7440-22-4	LA-505-412	U	<0.11		mg/kg	1	0.11	1.1	06/03/11
Antimony	7440-36-0	LA-505-412	U	<0.33		mg/kg	1	0.33	3.3	06/03/11
Barium	7440-39-3	LA-505-412		113		mg/kg	1	0.22	2.2	06/03/11
Beryllium	7440-41-7	LA-505-412	B	0.401		mg/kg	1	0.11	0.55	06/03/11
Cadmium	7440-43-9	LA-505-412	U	<0.11		mg/kg	1	0.11	1.1	06/03/11

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

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

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

WSCF Analytical Results Report

Attention Michael Neely
Department Inorganic

Group # WSCF112326

Sample # 112326020
SAF# F11-127
Sample ID B2F047

Matrix SOIL
Sampled 05/25/11
Received 05/25/11

Test Performed	CAS #	Method	RQ	Result	TP Err	Units	DF	MDL	PQL	Analyzed
Chromium	7440-47-3	LA-505-412		9.01		mg/kg	1	0.55	5.5	06/03/11
Cobalt	7440-48-4	LA-505-412		11.2		mg/kg	1	0.11	0.55	06/03/11
Copper	7440-50-8	LA-505-412		16.7		mg/kg	1	0.11	1.1	06/03/11
Vanadium	7440-62-2	LA-505-412		68.2		mg/kg	1	0.22	2.2	06/03/11
Zinc	7440-66-6	LA-505-412		53.4		mg/kg	1	0.89	5.5	06/03/11
Lead	7439-92-1	LA-505-412		7.84		mg/kg	1	0.11	1.1	06/03/11
Mercury	7439-97-6	LA-505-412	U	<0.055		mg/kg	1	0.055	0.22	06/03/11
Strontium	7440-24-6	LA-505-412		33.3		mg/kg	1	0.11	1.1	06/03/11
Thallium	7440-28-0	LA-505-412	B	0.120		mg/kg	1	0.11	0.55	06/03/11
Tin	7440-31-5	LA-505-412	B	0.455		mg/kg	1	0.11	0.55	06/03/11
Uranium	7440-61-1	LA-505-412		0.774		mg/kg	1	0.11	0.55	06/03/11
Arsenic	7440-38-2	LA-505-412		5.95		mg/kg	1	0.44	4.4	06/03/11
Selenium	7782-49-2	LA-505-412	B	0.696		mg/kg	1	0.33	3.3	06/03/11
Boron	7440-42-8	LA-505-412	U	<0.55		mg/kg	1	0.55	5.5	06/03/11

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

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

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

WSCF Analytical Results Report

Attention Michael Neely
Department Inorganic

Group # WSCF112326

Sample # 112326021
SAF# F11-127
Sample ID B2F048

Matrix SOIL
Sampled 05/25/11
Received 05/25/11

Test Performed	CAS #	Method	RQ	Result	TP Err	Units	DF	MDL	PQL	Analyzed
Anions by IC										**06/02/11**
Anions by IC										
Fluoride	16984-48-8	LA-533-410	U	<1.9		mg/kg	1	1.9	11	06/02/11
Nitrate-N	NO3-N	LA-533-410	U	<1.0		mg/kg	1	1.0	5.4	06/02/11
Cr(VI) Prep										**06/02/11**
Cr(VI)										
Hexavalent chromium	18540-29-9	LA-265-403	B	0.0529		ug/g	1	0.036	0.54	06/03/11
ICP Prep										**06/02/11**
ICP-AES										
Lithium	7439-93-2	LA-505-411		6.72		mg/kg	1	0.54	2.2	06/07/11
ICPMS Prep										**06/02/11**
ICP-MS										
Manganese	7439-96-5	LA-505-412		391		mg/kg	1	0.10	1.0	06/03/11
Nickel	7440-02-0	LA-505-412		8.94		mg/kg	1	0.20	2.0	06/03/11
Silver	7440-22-4	LA-505-412	U	<0.10		mg/kg	1	0.10	1.0	06/03/11
Antimony	7440-36-0	LA-505-412	U	<0.31		mg/kg	1	0.31	3.1	06/03/11
Barium	7440-39-3	LA-505-412		95.7		mg/kg	1	0.20	2.0	06/03/11
Beryllium	7440-41-7	LA-505-412	B	0.339		mg/kg	1	0.10	0.51	06/03/11
Cadmium	7440-43-9	LA-505-412	U	<0.10		mg/kg	1	0.10	1.0	06/03/11

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

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

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

WSCF Analytical Results Report

Attention Michael Neely
Department Inorganic

Group # WSCF112326

Sample # 112326021
SAF# F11-127
Sample ID B2F048

Matrix SOIL
Sampled 05/25/11
Received 05/25/11

Test Performed	CAS #	Method	RQ	Result	TP Err	Units	DF	MDL	PQL	Analyzed
Chromium	7440-47-3	LA-505-412		6.57		mg/kg	1	0.51	5.1	06/03/11
Cobalt	7440-48-4	LA-505-412		11.0		mg/kg	1	0.10	0.51	06/03/11
Copper	7440-50-8	LA-505-412		13.8		mg/kg	1	0.10	1.0	06/03/11
Vanadium	7440-62-2	LA-505-412		74.0		mg/kg	1	0.20	2.0	06/03/11
Zinc	7440-66-6	LA-505-412		51.2		mg/kg	1	0.82	5.1	06/03/11
Lead	7439-92-1	LA-505-412		4.95		mg/kg	1	0.10	1.0	06/03/11
Mercury	7439-97-6	LA-505-412	U	<0.051		mg/kg	1	0.051	0.20	06/03/11
Strontium	7440-24-6	LA-505-412		27.4		mg/kg	1	0.10	1.0	06/03/11
Thallium	7440-28-0	LA-505-412	U	<0.10		mg/kg	1	0.10	0.51	06/03/11
Tin	7440-31-5	LA-505-412	B	0.426		mg/kg	1	0.10	0.51	06/03/11
Uranium	7440-61-1	LA-505-412		0.628		mg/kg	1	0.10	0.51	06/03/11
Arsenic	7440-38-2	LA-505-412		4.97		mg/kg	1	0.41	4.1	06/03/11
Selenium	7782-49-2	LA-505-412	B	0.626		mg/kg	1	0.31	3.1	06/03/11
Boron	7440-42-8	LA-505-412	U	<0.51		mg/kg	1	0.51	5.1	06/03/11

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

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

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

WSCF Analytical Results Report

Attention Michael Neely
Department Inorganic

Group # WSCF112326

Sample # 112326022
SAF# F11-127
Sample ID B2F049

Matrix SOIL
Sampled 05/25/11
Received 05/25/11

Test Performed	CAS #	Method	RQ	Result	TP Err	Units	DF	MDL	PQL	Analyzed
Anions by IC										**06/02/11**
Anions by IC										
Fluoride	16984-48-8	LA-533-410	U	<1.9		mg/kg	1	1.9	11	06/02/11
Nitrate-N	NO3-N	LA-533-410	U	<1.0		mg/kg	1	1.0	5.3	06/02/11
Cr(VI) Prep										**06/02/11**
Cr(VI)										
Hexavalent chromium	18540-29-9	LA-265-403	B	0.0524		ug/g	1	0.035	0.53	06/03/11
ICP Prep										**06/03/11**
ICP-AES										
Lithium	7439-93-2	LA-505-411		4.95		mg/kg	1	0.54	2.2	06/07/11
ICPMS Prep										**06/02/11**
ICP-MS										
Manganese	7439-96-5	LA-505-412		427		mg/kg	1	0.10	1.0	06/08/11
Nickel	7440-02-0	LA-505-412		9.58		mg/kg	1	0.20	2.0	06/08/11
Silver	7440-22-4	LA-505-412	U	<0.10		mg/kg	1	0.10	1.0	06/08/11
Antimony	7440-36-0	LA-505-412	U	<0.31		mg/kg	1	0.31	3.1	06/08/11
Barium	7440-39-3	LA-505-412		112		mg/kg	1	0.20	2.0	06/08/11
Beryllium	7440-41-7	LA-505-412	B	0.301		mg/kg	1	0.10	0.51	06/08/11
Cadmium	7440-43-9	LA-505-412	U	<0.10		mg/kg	1	0.10	1.0	06/08/11

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

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

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

WSCF Analytical Results Report

Attention Michael Neely
Department Inorganic

Group # WSCF112326

Sample # 112326022
SAF# F11-127
Sample ID B2F049

Matrix SOIL
Sampled 05/25/11
Received 05/25/11

Test Performed	CAS #	Method	RQ	Result	TP Err	Units	DF	MDL	PQL	Analyzed
Chromium	7440-47-3	LA-505-412		7.01		mg/kg	1	0.51	5.1	06/08/11
Cobalt	7440-48-4	LA-505-412		11.6		mg/kg	1	0.10	0.51	06/08/11
Copper	7440-50-8	LA-505-412		15.0		mg/kg	1	0.10	1.0	06/08/11
Vanadium	7440-62-2	LA-505-412		89.3		mg/kg	1	0.20	2.0	06/08/11
Zinc	7440-66-6	LA-505-412		57.4		mg/kg	1	0.82	5.1	06/08/11
Lead	7439-92-1	LA-505-412		4.98		mg/kg	1	0.10	1.0	06/08/11
Mercury	7439-97-6	LA-505-412	U	<0.051		mg/kg	1	0.051	0.20	06/08/11
Strontium	7440-24-6	LA-505-412		29.7		mg/kg	1	0.10	1.0	06/08/11
Thallium	7440-28-0	LA-505-412	U	<0.10		mg/kg	1	0.10	0.51	06/08/11
Tin	7440-31-5	LA-505-412	B	0.470		mg/kg	1	0.10	0.51	06/08/11
Uranium	7440-61-1	LA-505-412		0.643		mg/kg	1	0.10	0.51	06/08/11
Arsenic	7440-38-2	LA-505-412		5.04		mg/kg	1	0.41	4.1	06/08/11
Selenium	7782-49-2	LA-505-412	B	0.631		mg/kg	1	0.31	3.1	06/08/11
Boron	7440-42-8	LA-505-412	B	1.01		mg/kg	1	0.51	5.1	06/08/11

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

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

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

WSCF Analytical Results Report

Attention Michael Neely
Department Organic, Semivolatiles

Group # WSCF112326

Sample # 112326012
SAF# F11-127
Sample ID B2F039

Matrix SOIL
Sampled 05/25/11
Received 05/25/11

Test Performed	CAS #	Method	RQ	Result	TP Err	Units	DF	MDL	PQL	Analyzed
8270 Prep										**06/02/11**
SW-846 8270D										
Naphthalene	91-20-3	LA-523-456	U	<200		ug/kg	1	200	800	06/07/11
Acenaphthylene	208-96-8	LA-523-456	U	<200		ug/kg	1	200	800	06/07/11
Acenaphthene	83-32-9	LA-523-456	U	<200		ug/kg	1	200	800	06/07/11
Fluorene	86-73-7	LA-523-456	U	<200		ug/kg	1	200	800	06/07/11
Phenanthrene	85-01-8	LA-523-456	U	<200		ug/kg	1	200	800	06/07/11
Anthracene	120-12-7	LA-523-456	U	<200		ug/kg	1	200	800	06/07/11
Fluoranthene	206-44-0	LA-523-456	U	<200		ug/kg	1	200	800	06/07/11
Pyrene	129-00-0	LA-523-456	U	<200		ug/kg	1	200	800	06/07/11
Benzo(a)anthracene	56-55-3	LA-523-456	U	<200		ug/kg	1	200	800	06/07/11
Chrysene	218-01-9	LA-523-456	U	<200		ug/kg	1	200	800	06/07/11
Benzo(b)fluoranthene	205-99-2	LA-523-456	U	<200		ug/kg	1	200	800	06/07/11
Benzo(k)fluoranthene	207-08-9	LA-523-456	U	<200		ug/kg	1	200	800	06/07/11
Benzo(a)pyrene	50-32-8	LA-523-456	U	<200		ug/kg	1	200	800	06/07/11
Indeno(1,2,3-cd)pyrene	193-39-5	LA-523-456	U	<200		ug/kg	1	200	800	06/07/11
Dibenzo(a,h)anthracene	53-70-3	LA-523-456	U	<200		ug/kg	1	200	800	06/07/11
Benzo(g,h,i)perylene	191-24-2	LA-523-456	U	<200		ug/kg	1	200	800	06/07/11
PCB Prep Solids										**06/06/11**

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

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

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

WSCF Analytical Results Report

Attention Michael Neely
Department Organic, Semivolatiles

Group # WSCF112326

Sample # 112326012
SAF# F11-127
Sample ID B2F039

Matrix SOIL
Sampled 05/25/11
Received 05/25/11

Test Performed	CAS #	Method	RQ	Result	TP Err	Units	DF	MDL	PQL	Analyzed
PCBs										
Aroclor-1016	12674-11-2	LA-523-427	U	<4		ug/kg	1	4	8	06/08/11
Aroclor-1221	11104-28-2	LA-523-427	U	<8		ug/kg	1	8	20	06/08/11
Aroclor-1232	11141-16-5	LA-523-427	U	<4		ug/kg	1	4	8	06/08/11
Aroclor-1242	53469-21-9	LA-523-427	U	<4		ug/kg	1	4	8	06/08/11
Aroclor-1248	12672-29-6	LA-523-427	U	<4		ug/kg	1	4	8	06/08/11
Aroclor-1254	11097-69-1	LA-523-427	U	<4		ug/kg	1	4	8	06/08/11
Aroclor-1260	11096-82-5	LA-523-427	U	<4		ug/kg	1	4	8	06/08/11
TPHD Prep Solids										**06/02/11**
TPHDWA										
Diesel	TPHDIESEL	LA-523-493	U	<4		mg/kg	1	4	5	06/07/11
Kerosene	TPHKEROSEN	LA-523-493	U	<4		mg/kg	1	4	5	06/07/11

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

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

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

WSCF Analytical Results Report

Attention Michael Neely
Department Organic, Semivolatiles

Group # WSCF112326

Sample # 112326013
SAF# F11-127
Sample ID B2F040

Matrix SOIL
Sampled 05/25/11
Received 05/25/11

Test Performed	CAS #	Method	RQ	Result	TP Err	Units	DF	MDL	PQL	Analyzed
8270 Prep										**06/02/11**
SW-846 8270D										
Naphthalene	91-20-3	LA-523-456	U	<200		ug/kg	1	200	800	06/07/11
Acenaphthylene	208-96-8	LA-523-456	U	<200		ug/kg	1	200	800	06/07/11
Acenaphthene	83-32-9	LA-523-456	U	<200		ug/kg	1	200	800	06/07/11
Fluorene	86-73-7	LA-523-456	U	<200		ug/kg	1	200	800	06/07/11
Phenanthrene	85-01-8	LA-523-456	U	<200		ug/kg	1	200	800	06/07/11
Anthracene	120-12-7	LA-523-456	U	<200		ug/kg	1	200	800	06/07/11
Fluoranthene	206-44-0	LA-523-456	U	<200		ug/kg	1	200	800	06/07/11
Pyrene	129-00-0	LA-523-456	U	<200		ug/kg	1	200	800	06/07/11
Benzo(a)anthracene	56-55-3	LA-523-456	U	<200		ug/kg	1	200	800	06/07/11
Chrysene	218-01-9	LA-523-456	U	<200		ug/kg	1	200	800	06/07/11
Benzo(b)fluoranthene	205-99-2	LA-523-456	U	<200		ug/kg	1	200	800	06/07/11
Benzo(k)fluoranthene	207-08-9	LA-523-456	U	<200		ug/kg	1	200	800	06/07/11
Benzo(a)pyrene	50-32-8	LA-523-456	U	<200		ug/kg	1	200	800	06/07/11
Indeno(1,2,3-cd)pyrene	193-39-5	LA-523-456	U	<200		ug/kg	1	200	800	06/07/11
Dibenzo(a,h)anthracene	53-70-3	LA-523-456	U	<200		ug/kg	1	200	800	06/07/11
Benzo(g,h,i)perylene	191-24-2	LA-523-456	U	<200		ug/kg	1	200	800	06/07/11
PCB Prep Solids										**06/06/11**

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

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

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

WSCF Analytical Results Report

Attention Michael Neely
Department Organic, Semivolatiles

Group # WSCF112326

Sample # 112326013
SAF# F11-127
Sample ID B2F040

Matrix SOIL
Sampled 05/25/11
Received 05/25/11

Test Performed	CAS #	Method	RQ	Result	TP Err	Units	DF	MDL	PQL	Analyzed
PCBs										
Aroclor-1016	12674-11-2	LA-523-427	U	<4		ug/kg	1	4	8	06/08/11
Aroclor-1221	11104-28-2	LA-523-427	U	<8		ug/kg	1	8	20	06/08/11
Aroclor-1232	11141-16-5	LA-523-427	U	<4		ug/kg	1	4	8	06/08/11
Aroclor-1242	53469-21-9	LA-523-427	U	<4		ug/kg	1	4	8	06/08/11
Aroclor-1248	12672-29-6	LA-523-427	U	<4		ug/kg	1	4	8	06/08/11
Aroclor-1254	11097-69-1	LA-523-427	U	<4		ug/kg	1	4	8	06/08/11
Aroclor-1260	11096-82-5	LA-523-427	U	<4		ug/kg	1	4	8	06/08/11
TPHD Prep Solids										**06/02/11**
TPHDWA										
Diesel	TPHDIESEL	LA-523-493	U	<4		mg/kg	1	4	5	06/07/11
Kerosene	TPHKEROSEN	LA-523-493	U	<4		mg/kg	1	4	5	06/07/11

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

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

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

WSCF Analytical Results Report

Attention Michael Neely
Department Organic, Semivolatiles

Group # WSCF112326

Sample # 112326014
SAF# F11-127
Sample ID B2F041

Matrix SOIL
Sampled 05/25/11
Received 05/25/11

Test Performed	CAS #	Method	RQ	Result	TP Err	Units	DF	MDL	PQL	Analyzed
8270 Prep										**06/02/11**
SW-846 8270D										
Naphthalene	91-20-3	LA-523-456	U	<200		ug/kg	1	200	800	06/07/11
Acenaphthylene	208-96-8	LA-523-456	U	<200		ug/kg	1	200	800	06/07/11
Acenaphthene	83-32-9	LA-523-456	U	<200		ug/kg	1	200	800	06/07/11
Fluorene	86-73-7	LA-523-456	U	<200		ug/kg	1	200	800	06/07/11
Phenanthrene	85-01-8	LA-523-456	U	<200		ug/kg	1	200	800	06/07/11
Anthracene	120-12-7	LA-523-456	U	<200		ug/kg	1	200	800	06/07/11
Fluoranthene	206-44-0	LA-523-456	U	<200		ug/kg	1	200	800	06/07/11
Pyrene	129-00-0	LA-523-456	U	<200		ug/kg	1	200	800	06/07/11
Benzo(a)anthracene	56-55-3	LA-523-456	U	<200		ug/kg	1	200	800	06/07/11
Chrysene	218-01-9	LA-523-456	U	<200		ug/kg	1	200	800	06/07/11
Benzo(b)fluoranthene	205-99-2	LA-523-456	U	<200		ug/kg	1	200	800	06/07/11
Benzo(k)fluoranthene	207-08-9	LA-523-456	U	<200		ug/kg	1	200	800	06/07/11
Benzo(a)pyrene	50-32-8	LA-523-456	U	<200		ug/kg	1	200	800	06/07/11
Indeno(1,2,3-cd)pyrene	193-39-5	LA-523-456	U	<200		ug/kg	1	200	800	06/07/11
Dibenzo(a,h)anthracene	53-70-3	LA-523-456	U	<200		ug/kg	1	200	800	06/07/11
Benzo(g,h,i)perylene	191-24-2	LA-523-456	U	<200		ug/kg	1	200	800	06/07/11
PCB Prep Solids										**06/06/11**

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

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

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

WSCF Analytical Results Report

Attention Michael Neely
Department Organic, Semivolatiles

Group # WSCF112326

Sample # 112326014
SAF# F11-127
Sample ID B2F041

Matrix SOIL
Sampled 05/25/11
Received 05/25/11

Test Performed	CAS #	Method	RQ	Result	TP Err	Units	DF	MDL	PQL	Analyzed
PCBs										
Aroclor-1016	12674-11-2	LA-523-427	U	<4		ug/kg	1	4	8	06/08/11
Aroclor-1221	11104-28-2	LA-523-427	U	<8		ug/kg	1	8	20	06/08/11
Aroclor-1232	11141-16-5	LA-523-427	U	<4		ug/kg	1	4	8	06/08/11
Aroclor-1242	53469-21-9	LA-523-427	U	<4		ug/kg	1	4	8	06/08/11
Aroclor-1248	12672-29-6	LA-523-427	U	<4		ug/kg	1	4	8	06/08/11
Aroclor-1254	11097-69-1	LA-523-427	U	<4		ug/kg	1	4	8	06/08/11
Aroclor-1260	11096-82-5	LA-523-427	U	<4		ug/kg	1	4	8	06/08/11
TPHD Prep Solids										**06/02/11**
TPHDWA										
Diesel	TPHDIESEL	LA-523-493	U	<4		mg/kg	1	4	5	06/07/11
Kerosene	TPHKEROSEN	LA-523-493	U	<4		mg/kg	1	4	5	06/07/11

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

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

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

WSCF Analytical Results Report

Attention Michael Neely
Department Organic, Semivolatiles

Group # WSCF112326

Sample # 112326015
SAF# F11-127
Sample ID B2F042

Matrix SOIL
Sampled 05/25/11
Received 05/25/11

Test Performed	CAS #	Method	RQ	Result	TP Err	Units	DF	MDL	PQL	Analyzed
8270 Prep										**06/02/11**
SW-846 8270D										
Naphthalene	91-20-3	LA-523-456	U	<200		ug/kg	1	200	800	06/07/11
Acenaphthylene	208-96-8	LA-523-456	U	<200		ug/kg	1	200	800	06/07/11
Acenaphthene	83-32-9	LA-523-456	U	<200		ug/kg	1	200	800	06/07/11
Fluorene	86-73-7	LA-523-456	U	<200		ug/kg	1	200	800	06/07/11
Phenanthrene	85-01-8	LA-523-456	U	<200		ug/kg	1	200	800	06/07/11
Anthracene	120-12-7	LA-523-456	U	<200		ug/kg	1	200	800	06/07/11
Fluoranthene	206-44-0	LA-523-456	U	<200		ug/kg	1	200	800	06/07/11
Pyrene	129-00-0	LA-523-456	U	<200		ug/kg	1	200	800	06/07/11
Benzo(a)anthracene	56-55-3	LA-523-456	U	<200		ug/kg	1	200	800	06/07/11
Chrysene	218-01-9	LA-523-456	U	<200		ug/kg	1	200	800	06/07/11
Benzo(b)fluoranthene	205-99-2	LA-523-456	U	<200		ug/kg	1	200	800	06/07/11
Benzo(k)fluoranthene	207-08-9	LA-523-456	U	<200		ug/kg	1	200	800	06/07/11
Benzo(a)pyrene	50-32-8	LA-523-456	U	<200		ug/kg	1	200	800	06/07/11
Indeno(1,2,3-cd)pyrene	193-39-5	LA-523-456	U	<200		ug/kg	1	200	800	06/07/11
Dibenzo(a,h)anthracene	53-70-3	LA-523-456	U	<200		ug/kg	1	200	800	06/07/11
Benzo(g,h,i)perylene	191-24-2	LA-523-456	U	<200		ug/kg	1	200	800	06/07/11
PCB Prep Solids										**06/06/11**

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

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

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

WSCF Analytical Results Report

Attention Michael Neely
Department Organic, Semivolatiles

Group # WSCF112326

Sample # 112326015
SAF# F11-127
Sample ID B2F042

Matrix SOIL
Sampled 05/25/11
Received 05/25/11

Test Performed	CAS #	Method	RQ	Result	TP Err	Units	DF	MDL	PQL	Analyzed
PCBs										
Aroclor-1016	12674-11-2	LA-523-427	U	<4		ug/kg	1	4	8	06/08/11
Aroclor-1221	11104-28-2	LA-523-427	U	<8		ug/kg	1	8	20	06/08/11
Aroclor-1232	11141-16-5	LA-523-427	U	<4		ug/kg	1	4	8	06/08/11
Aroclor-1242	53469-21-9	LA-523-427	U	<4		ug/kg	1	4	8	06/08/11
Aroclor-1248	12672-29-6	LA-523-427	U	<4		ug/kg	1	4	8	06/08/11
Aroclor-1254	11097-69-1	LA-523-427	U	<4		ug/kg	1	4	8	06/08/11
Aroclor-1260	11096-82-5	LA-523-427	U	<4		ug/kg	1	4	8	06/08/11
TPHD Prep Solids										**06/02/11**
TPHDWA										
Diesel	TPHDIESEL	LA-523-493	U	<4		mg/kg	1	4	5	06/07/11
Kerosene	TPHKEROSEN	LA-523-493	U	<4		mg/kg	1	4	5	06/07/11

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

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

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

WSCF Analytical Results Report

Attention Michael Neely
Department Organic, Semivolatiles

Group # WSCF112326

Sample # 112326016
SAF# F11-127
Sample ID B2F043

Matrix SOIL
Sampled 05/25/11
Received 05/25/11

Test Performed	CAS #	Method	RQ	Result	TP Err	Units	DF	MDL	PQL	Analyzed
8270 Prep										**06/02/11**
SW-846 8270D										
Naphthalene	91-20-3	LA-523-456	U	<200		ug/kg	1	200	800	06/07/11
Acenaphthylene	208-96-8	LA-523-456	U	<200		ug/kg	1	200	800	06/07/11
Acenaphthene	83-32-9	LA-523-456	U	<200		ug/kg	1	200	800	06/07/11
Fluorene	86-73-7	LA-523-456	U	<200		ug/kg	1	200	800	06/07/11
Phenanthrene	85-01-8	LA-523-456	U	<200		ug/kg	1	200	800	06/07/11
Anthracene	120-12-7	LA-523-456	U	<200		ug/kg	1	200	800	06/07/11
Fluoranthene	206-44-0	LA-523-456	U	<200		ug/kg	1	200	800	06/07/11
Pyrene	129-00-0	LA-523-456	U	<200		ug/kg	1	200	800	06/07/11
Benzo(a)anthracene	56-55-3	LA-523-456	U	<200		ug/kg	1	200	800	06/07/11
Chrysene	218-01-9	LA-523-456	U	<200		ug/kg	1	200	800	06/07/11
Benzo(b)fluoranthene	205-99-2	LA-523-456	U	<200		ug/kg	1	200	800	06/07/11
Benzo(k)fluoranthene	207-08-9	LA-523-456	U	<200		ug/kg	1	200	800	06/07/11
Benzo(a)pyrene	50-32-8	LA-523-456	U	<200		ug/kg	1	200	800	06/07/11
Indeno(1,2,3-cd)pyrene	193-39-5	LA-523-456	U	<200		ug/kg	1	200	800	06/07/11
Dibenzo(a,h)anthracene	53-70-3	LA-523-456	U	<200		ug/kg	1	200	800	06/07/11
Benzo(g,h,i)perylene	191-24-2	LA-523-456	U	<200		ug/kg	1	200	800	06/07/11
PCB Prep Solids										**06/06/11**

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

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

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

WSCF Analytical Results Report

Attention Michael Neely
Department Organic, Semivolatiles

Group # WSCF112326

Sample # 112326016
SAF# F11-127
Sample ID B2F043

Matrix SOIL
Sampled 05/25/11
Received 05/25/11

Test Performed	CAS #	Method	RQ	Result	TP Err	Units	DF	MDL	PQL	Analyzed
PCBs										
Aroclor-1016	12674-11-2	LA-523-427	U	<4		ug/kg	1	4	8	06/08/11
Aroclor-1221	11104-28-2	LA-523-427	U	<8		ug/kg	1	8	20	06/08/11
Aroclor-1232	11141-16-5	LA-523-427	U	<4		ug/kg	1	4	8	06/08/11
Aroclor-1242	53469-21-9	LA-523-427	U	<4		ug/kg	1	4	8	06/08/11
Aroclor-1248	12672-29-6	LA-523-427	U	<4		ug/kg	1	4	8	06/08/11
Aroclor-1254	11097-69-1	LA-523-427	U	<4		ug/kg	1	4	8	06/08/11
Aroclor-1260	11096-82-5	LA-523-427	U	<4		ug/kg	1	4	8	06/08/11
TPHD Prep Solids										**06/02/11**
TPHDWA										
Diesel	TPHDIESEL	LA-523-493	U	<4		mg/kg	1	4	5	06/07/11
Kerosene	TPHKEROSEN	LA-523-493	U	<4		mg/kg	1	4	5	06/07/11

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

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

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

WSCF Analytical Results Report

Attention Michael Neely
Department Organic, Semivolatiles

Group # WSCF112326

Sample # 112326017
SAF# F11-127
Sample ID B2F044

Matrix SOIL
Sampled 05/25/11
Received 05/25/11

Test Performed	CAS #	Method	RQ	Result	TP Err	Units	DF	MDL	PQL	Analyzed
8270 Prep										**06/02/11**
SW-846 8270D										
Naphthalene	91-20-3	LA-523-456	U	<200		ug/kg	1	200	1.E3	06/07/11
Acenaphthylene	208-96-8	LA-523-456	U	<200		ug/kg	1	200	1.E3	06/07/11
Acenaphthene	83-32-9	LA-523-456	U	<200		ug/kg	1	200	1.E3	06/07/11
Fluorene	86-73-7	LA-523-456	U	<200		ug/kg	1	200	1.E3	06/07/11
Phenanthrene	85-01-8	LA-523-456	U	<200		ug/kg	1	200	1.E3	06/07/11
Anthracene	120-12-7	LA-523-456	U	<200		ug/kg	1	200	1.E3	06/07/11
Fluoranthene	206-44-0	LA-523-456	U	<200		ug/kg	1	200	1.E3	06/07/11
Pyrene	129-00-0	LA-523-456	U	<200		ug/kg	1	200	1.E3	06/07/11
Benzo(a)anthracene	56-55-3	LA-523-456	U	<200		ug/kg	1	200	1.E3	06/07/11
Chrysene	218-01-9	LA-523-456	U	<200		ug/kg	1	200	1.E3	06/07/11
Benzo(b)fluoranthene	205-99-2	LA-523-456	U	<200		ug/kg	1	200	1.E3	06/07/11
Benzo(k)fluoranthene	207-08-9	LA-523-456	U	<200		ug/kg	1	200	1.E3	06/07/11
Benzo(a)pyrene	50-32-8	LA-523-456	U	<200		ug/kg	1	200	1.E3	06/07/11
Indeno(1,2,3-cd)pyrene	193-39-5	LA-523-456	U	<200		ug/kg	1	200	1.E3	06/07/11
Dibenzo(a,h)anthracene	53-70-3	LA-523-456	U	<200		ug/kg	1	200	1.E3	06/07/11
Benzo(g,h,i)perylene	191-24-2	LA-523-456	U	<200		ug/kg	1	200	1.E3	06/07/11
PCB Prep Solids										**06/06/11**

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

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

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

WSCF Analytical Results Report

Attention Michael Neely
Department Organic, Semivolatiles

Group # WSCF112326

Sample # 112326017
SAF# F11-127
Sample ID B2F044

Matrix SOIL
Sampled 05/25/11
Received 05/25/11

Test Performed	CAS #	Method	RQ	Result	TP Err	Units	DF	MDL	PQL	Analyzed
PCBs										
Aroclor-1016	12674-11-2	LA-523-427	U	<5		ug/kg	1	5	10	06/08/11
Aroclor-1221	11104-28-2	LA-523-427	U	<10		ug/kg	1	10	20	06/08/11
Aroclor-1232	11141-16-5	LA-523-427	U	<5		ug/kg	1	5	10	06/08/11
Aroclor-1242	53469-21-9	LA-523-427	U	<5		ug/kg	1	5	10	06/08/11
Aroclor-1248	12672-29-6	LA-523-427	U	<5		ug/kg	1	5	10	06/08/11
Aroclor-1254	11097-69-1	LA-523-427	U	<5		ug/kg	1	5	10	06/08/11
Aroclor-1260	11096-82-5	LA-523-427	U	<5		ug/kg	1	5	10	06/08/11
TPHD Prep Solids										**06/02/11**
TPHDWA										
Diesel	TPHDIESEL	LA-523-493	U	<5		mg/kg	1	5	6	06/07/11
Kerosene	TPHKEROSEN	LA-523-493	U	<5		mg/kg	1	5	6	06/07/11

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

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

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

WSCF Analytical Results Report

Attention Michael Neely
Department Organic, Semivolatiles

Group # WSCF112326

Sample # 112326018
SAF# F11-127
Sample ID B2F045

Matrix SOIL
Sampled 05/25/11
Received 05/25/11

Test Performed	CAS #	Method	RQ	Result	TP Err	Units	DF	MDL	PQL	Analyzed
8270 Prep										**06/02/11**
SW-846 8270D										
Naphthalene	91-20-3	LA-523-456	U	<200		ug/kg	1	200	800	06/07/11
Acenaphthylene	208-96-8	LA-523-456	U	<200		ug/kg	1	200	800	06/07/11
Acenaphthene	83-32-9	LA-523-456	U	<200		ug/kg	1	200	800	06/07/11
Fluorene	86-73-7	LA-523-456	U	<200		ug/kg	1	200	800	06/07/11
Phenanthrene	85-01-8	LA-523-456	U	<200		ug/kg	1	200	800	06/07/11
Anthracene	120-12-7	LA-523-456	U	<200		ug/kg	1	200	800	06/07/11
Fluoranthene	206-44-0	LA-523-456	U	<200		ug/kg	1	200	800	06/07/11
Pyrene	129-00-0	LA-523-456	U	<200		ug/kg	1	200	800	06/07/11
Benzo(a)anthracene	56-55-3	LA-523-456	U	<200		ug/kg	1	200	800	06/07/11
Chrysene	218-01-9	LA-523-456	U	<200		ug/kg	1	200	800	06/07/11
Benzo(b)fluoranthene	205-99-2	LA-523-456	U	<200		ug/kg	1	200	800	06/07/11
Benzo(k)fluoranthene	207-08-9	LA-523-456	U	<200		ug/kg	1	200	800	06/07/11
Benzo(a)pyrene	50-32-8	LA-523-456	U	<200		ug/kg	1	200	800	06/07/11
Indeno(1,2,3-cd)pyrene	193-39-5	LA-523-456	U	<200		ug/kg	1	200	800	06/07/11
Dibenzo(a,h)anthracene	53-70-3	LA-523-456	U	<200		ug/kg	1	200	800	06/07/11
Benzo(g,h,i)perylene	191-24-2	LA-523-456	U	<200		ug/kg	1	200	800	06/07/11
PCB Prep Solids										**06/06/11**

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

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

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

WSCF Analytical Results Report

Attention Michael Neely
Department Organic, Semivolatiles

Group # WSCF112326

Sample # 112326018
SAF# F11-127
Sample ID B2F045

Matrix SOIL
Sampled 05/25/11
Received 05/25/11

Test Performed	CAS #	Method	RQ	Result	TP Err	Units	DF	MDL	PQL	Analyzed
PCBs										
Aroclor-1016	12674-11-2	LA-523-427	U	<4		ug/kg	1	4	9	06/08/11
Aroclor-1221	11104-28-2	LA-523-427	U	<9		ug/kg	1	9	20	06/08/11
Aroclor-1232	11141-16-5	LA-523-427	U	<4		ug/kg	1	4	9	06/08/11
Aroclor-1242	53469-21-9	LA-523-427	U	<4		ug/kg	1	4	9	06/08/11
Aroclor-1248	12672-29-6	LA-523-427	U	<4		ug/kg	1	4	9	06/08/11
Aroclor-1254	11097-69-1	LA-523-427	U	<4		ug/kg	1	4	9	06/08/11
Aroclor-1260	11096-82-5	LA-523-427	U	<4		ug/kg	1	4	9	06/08/11
TPHD Prep Solids										**06/02/11**
TPHDWA										
Diesel	TPHDIESEL	LA-523-493	U	<4		mg/kg	1	4	5	06/07/11
Kerosene	TPHKEROSEN	LA-523-493	U	<4		mg/kg	1	4	5	06/07/11

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

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

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

WSCF Analytical Results Report

Attention Michael Neely
Department Organic, Semivolatiles

Group # WSCF112326

Sample # 112326019
SAF# F11-127
Sample ID B2F046

Matrix SOIL
Sampled 05/25/11
Received 05/25/11

Test Performed	CAS #	Method	RQ	Result	TP Err	Units	DF	MDL	PQL	Analyzed
8270 Prep										**06/02/11**
SW-846 8270D										
Naphthalene	91-20-3	LA-523-456	U	<200		ug/kg	1	200	800	06/07/11
Acenaphthylene	208-96-8	LA-523-456	U	<200		ug/kg	1	200	800	06/07/11
Acenaphthene	83-32-9	LA-523-456	U	<200		ug/kg	1	200	800	06/07/11
Fluorene	86-73-7	LA-523-456	U	<200		ug/kg	1	200	800	06/07/11
Phenanthrene	85-01-8	LA-523-456	U	<200		ug/kg	1	200	800	06/07/11
Anthracene	120-12-7	LA-523-456	U	<200		ug/kg	1	200	800	06/07/11
Fluoranthene	206-44-0	LA-523-456	U	<200		ug/kg	1	200	800	06/07/11
Pyrene	129-00-0	LA-523-456	U	<200		ug/kg	1	200	800	06/07/11
Benzo(a)anthracene	56-55-3	LA-523-456	U	<200		ug/kg	1	200	800	06/07/11
Chrysene	218-01-9	LA-523-456	U	<200		ug/kg	1	200	800	06/07/11
Benzo(b)fluoranthene	205-99-2	LA-523-456	U	<200		ug/kg	1	200	800	06/07/11
Benzo(k)fluoranthene	207-08-9	LA-523-456	U	<200		ug/kg	1	200	800	06/07/11
Benzo(a)pyrene	50-32-8	LA-523-456	U	<200		ug/kg	1	200	800	06/07/11
Indeno(1,2,3-cd)pyrene	193-39-5	LA-523-456	U	<200		ug/kg	1	200	800	06/07/11
Dibenzo(a,h)anthracene	53-70-3	LA-523-456	U	<200		ug/kg	1	200	800	06/07/11
Benzo(g,h,i)perylene	191-24-2	LA-523-456	U	<200		ug/kg	1	200	800	06/07/11
PCB Prep Solids										**06/06/11**

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

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

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

WSCF Analytical Results Report

Attention Michael Neely
Department Organic, Semivolatiles

Group # WSCF112326

Sample # 112326019
SAF# F11-127
Sample ID B2F046

Matrix SOIL
Sampled 05/25/11
Received 05/25/11

Test Performed	CAS #	Method	RQ	Result	TP Err	Units	DF	MDL	PQL	Analyzed
PCBs										
Aroclor-1016	12674-11-2	LA-523-427	U	<4		ug/kg	1	4	8	06/08/11
Aroclor-1221	11104-28-2	LA-523-427	U	<8		ug/kg	1	8	20	06/08/11
Aroclor-1232	11141-16-5	LA-523-427	U	<4		ug/kg	1	4	8	06/08/11
Aroclor-1242	53469-21-9	LA-523-427	U	<4		ug/kg	1	4	8	06/08/11
Aroclor-1248	12672-29-6	LA-523-427	U	<4		ug/kg	1	4	8	06/08/11
Aroclor-1254	11097-69-1	LA-523-427	U	<4		ug/kg	1	4	8	06/08/11
Aroclor-1260	11096-82-5	LA-523-427	U	<4		ug/kg	1	4	8	06/08/11
TPHD Prep Solids										**06/02/11**
TPHDWA										
Diesel	TPHDIESEL	LA-523-493	U	<4		mg/kg	1	4	5	06/07/11
Kerosene	TPHKEROSEN	LA-523-493	U	<4		mg/kg	1	4	5	06/07/11

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

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

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

WSCF Analytical Results Report

Attention Michael Neely
Department Organic, Semivolatiles

Group # WSCF112326

Sample # 112326020
SAF# F11-127
Sample ID B2F047

Matrix SOIL
Sampled 05/25/11
Received 05/25/11

Test Performed	CAS #	Method	RQ	Result	TP Err	Units	DF	MDL	PQL	Analyzed
8270 Prep										**06/02/11**
SW-846 8270D										
Naphthalene	91-20-3	LA-523-456	U	<200		ug/kg	1	200	900	06/08/11
Acenaphthylene	208-96-8	LA-523-456	U	<200		ug/kg	1	200	900	06/08/11
Acenaphthene	83-32-9	LA-523-456	U	<200		ug/kg	1	200	900	06/08/11
Fluorene	86-73-7	LA-523-456	U	<200		ug/kg	1	200	900	06/08/11
Phenanthrene	85-01-8	LA-523-456	U	<200		ug/kg	1	200	900	06/08/11
Anthracene	120-12-7	LA-523-456	U	<200		ug/kg	1	200	900	06/08/11
Fluoranthene	206-44-0	LA-523-456	U	<200		ug/kg	1	200	900	06/08/11
Pyrene	129-00-0	LA-523-456	U	<200		ug/kg	1	200	900	06/08/11
Benzo(a)anthracene	56-55-3	LA-523-456	U	<200		ug/kg	1	200	900	06/08/11
Chrysene	218-01-9	LA-523-456	U	<200		ug/kg	1	200	900	06/08/11
Benzo(b)fluoranthene	205-99-2	LA-523-456	U	<200		ug/kg	1	200	900	06/08/11
Benzo(k)fluoranthene	207-08-9	LA-523-456	U	<200		ug/kg	1	200	900	06/08/11
Benzo(a)pyrene	50-32-8	LA-523-456	U	<200		ug/kg	1	200	900	06/08/11
Indeno(1,2,3-cd)pyrene	193-39-5	LA-523-456	U	<200		ug/kg	1	200	900	06/08/11
Dibenzo(a,h)anthracene	53-70-3	LA-523-456	U	<200		ug/kg	1	200	900	06/08/11
Benzo(g,h,i)perylene	191-24-2	LA-523-456	U	<200		ug/kg	1	200	900	06/08/11
PCB Prep Solids										**06/02/11**

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

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

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

WSCF Analytical Results Report

Attention Michael Neely
Department Organic, Semivolatiles

Group # WSCF112326

Sample # 112326020
SAF# F11-127
Sample ID B2F047

Matrix SOIL
Sampled 05/25/11
Received 05/25/11

Test Performed	CAS #	Method	RQ	Result	TP Err	Units	DF	MDL	PQL	Analyzed
PCBs										
Aroclor-1016	12674-11-2	LA-523-427	U	<5		ug/kg	1	5	9	06/07/11
Aroclor-1221	11104-28-2	LA-523-427	U	<9		ug/kg	1	9	20	06/07/11
Aroclor-1232	11141-16-5	LA-523-427	U	<5		ug/kg	1	5	9	06/07/11
Aroclor-1242	53469-21-9	LA-523-427	U	<5		ug/kg	1	5	9	06/07/11
Aroclor-1248	12672-29-6	LA-523-427	U	<5		ug/kg	1	5	9	06/07/11
Aroclor-1254	11097-69-1	LA-523-427	U	<5		ug/kg	1	5	9	06/07/11
Aroclor-1260	11096-82-5	LA-523-427	U	<5		ug/kg	1	5	9	06/07/11
TPHD Prep Solids										**06/02/11**
TPHDWA										
Diesel	TPHDIESEL	LA-523-493	U	<5		mg/kg	1	5	6	06/07/11
Kerosene	TPHKEROSEN	LA-523-493	U	<5		mg/kg	1	5	6	06/07/11

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

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

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

WSCF Analytical Results Report

Attention Michael Neely
Department Organic, Semivolatiles

Group # WSCF112326

Sample # 112326021
SAF# F11-127
Sample ID B2F048

Matrix SOIL
Sampled 05/25/11
Received 05/25/11

Test Performed	CAS #	Method	RQ	Result	TP Err	Units	DF	MDL	PQL	Analyzed
8270 Prep										**06/02/11**
SW-846 8270D										
Naphthalene	91-20-3	LA-523-456	U	<200		ug/kg	1	200	900	06/08/11
Acenaphthylene	208-96-8	LA-523-456	U	<200		ug/kg	1	200	900	06/08/11
Acenaphthene	83-32-9	LA-523-456	U	<200		ug/kg	1	200	900	06/08/11
Fluorene	86-73-7	LA-523-456	U	<200		ug/kg	1	200	900	06/08/11
Phenanthrene	85-01-8	LA-523-456	U	<200		ug/kg	1	200	900	06/08/11
Anthracene	120-12-7	LA-523-456	U	<200		ug/kg	1	200	900	06/08/11
Fluoranthene	206-44-0	LA-523-456	U	<200		ug/kg	1	200	900	06/08/11
Pyrene	129-00-0	LA-523-456	U	<200		ug/kg	1	200	900	06/08/11
Benzo(a)anthracene	56-55-3	LA-523-456	U	<200		ug/kg	1	200	900	06/08/11
Chrysene	218-01-9	LA-523-456	U	<200		ug/kg	1	200	900	06/08/11
Benzo(b)fluoranthene	205-99-2	LA-523-456	U	<200		ug/kg	1	200	900	06/08/11
Benzo(k)fluoranthene	207-08-9	LA-523-456	U	<200		ug/kg	1	200	900	06/08/11
Benzo(a)pyrene	50-32-8	LA-523-456	U	<200		ug/kg	1	200	900	06/08/11
Indeno(1,2,3-cd)pyrene	193-39-5	LA-523-456	U	<200		ug/kg	1	200	900	06/08/11
Dibenzo(a,h)anthracene	53-70-3	LA-523-456	U	<200		ug/kg	1	200	900	06/08/11
Benzo(g,h,i)perylene	191-24-2	LA-523-456	U	<200		ug/kg	1	200	900	06/08/11
PCB Prep Solids										**06/02/11**

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

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

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

WSCF Analytical Results Report

Attention Michael Neely
Department Organic, Semivolatiles

Group # WSCF112326

Sample # 112326021
SAF# F11-127
Sample ID B2F048

Matrix SOIL
Sampled 05/25/11
Received 05/25/11

Test Performed	CAS #	Method	RQ	Result	TP Err	Units	DF	MDL	PQL	Analyzed
PCBs										
Aroclor-1016	12674-11-2	LA-523-427	U	<4		ug/kg	1	4	9	06/07/11
Aroclor-1221	11104-28-2	LA-523-427	U	<9		ug/kg	1	9	20	06/07/11
Aroclor-1232	11141-16-5	LA-523-427	U	<4		ug/kg	1	4	9	06/07/11
Aroclor-1242	53469-21-9	LA-523-427	U	<4		ug/kg	1	4	9	06/07/11
Aroclor-1248	12672-29-6	LA-523-427	U	<4		ug/kg	1	4	9	06/07/11
Aroclor-1254	11097-69-1	LA-523-427	U	<4		ug/kg	1	4	9	06/07/11
Aroclor-1260	11096-82-5	LA-523-427	U	<4		ug/kg	1	4	9	06/07/11
TPHD Prep Solids										**06/02/11**
TPHDWA										
Diesel	TPHDIESEL	LA-523-493	U	<4		mg/kg	1	4	5	06/07/11
Kerosene	TPHKEROSEN	LA-523-493	U	<4		mg/kg	1	4	5	06/07/11

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

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

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

WSCF Analytical Results Report

Attention Michael Neely
Department Organic, Semivolatiles

Group # WSCF112326

Sample # 112326022
SAF# F11-127
Sample ID B2F049

Matrix SOIL
Sampled 05/25/11
Received 05/25/11

Test Performed	CAS #	Method	RQ	Result	TP Err	Units	DF	MDL	PQL	Analyzed
8270 Prep										**06/02/11**
SW-846 8270D										
Naphthalene	91-20-3	LA-523-456	U	<200		ug/kg	1	200	800	06/08/11
Acenaphthylene	208-96-8	LA-523-456	U	<200		ug/kg	1	200	800	06/08/11
Acenaphthene	83-32-9	LA-523-456	U	<200		ug/kg	1	200	800	06/08/11
Fluorene	86-73-7	LA-523-456	U	<200		ug/kg	1	200	800	06/08/11
Phenanthrene	85-01-8	LA-523-456	U	<200		ug/kg	1	200	800	06/08/11
Anthracene	120-12-7	LA-523-456	U	<200		ug/kg	1	200	800	06/08/11
Fluoranthene	206-44-0	LA-523-456	U	<200		ug/kg	1	200	800	06/08/11
Pyrene	129-00-0	LA-523-456	U	<200		ug/kg	1	200	800	06/08/11
Benzo(a)anthracene	56-55-3	LA-523-456	U	<200		ug/kg	1	200	800	06/08/11
Chrysene	218-01-9	LA-523-456	U	<200		ug/kg	1	200	800	06/08/11
Benzo(b)fluoranthene	205-99-2	LA-523-456	U	<200		ug/kg	1	200	800	06/08/11
Benzo(k)fluoranthene	207-08-9	LA-523-456	U	<200		ug/kg	1	200	800	06/08/11
Benzo(a)pyrene	50-32-8	LA-523-456	U	<200		ug/kg	1	200	800	06/08/11
Indeno(1,2,3-cd)pyrene	193-39-5	LA-523-456	U	<200		ug/kg	1	200	800	06/08/11
Dibenzo(a,h)anthracene	53-70-3	LA-523-456	U	<200		ug/kg	1	200	800	06/08/11
Benzo(g,h,i)perylene	191-24-2	LA-523-456	U	<200		ug/kg	1	200	800	06/08/11
PCB Prep Solids										**06/02/11**

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

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

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

WSCF Analytical Results Report

Attention Michael Neely
Department Organic, Semivolatiles

Group # WSCF112326

Sample # 112326022
SAF# F11-127
Sample ID B2F049

Matrix SOIL
Sampled 05/25/11
Received 05/25/11

Test Performed	CAS #	Method	RQ	Result	TP Err	Units	DF	MDL	PQL	Analyzed
PCBs										
Aroclor-1016	12674-11-2	LA-523-427	U	<4		ug/kg	1	4	8	06/07/11
Aroclor-1221	11104-28-2	LA-523-427	U	<8		ug/kg	1	8	20	06/07/11
Aroclor-1232	11141-16-5	LA-523-427	U	<4		ug/kg	1	4	8	06/07/11
Aroclor-1242	53469-21-9	LA-523-427	U	<4		ug/kg	1	4	8	06/07/11
Aroclor-1248	12672-29-6	LA-523-427	U	<4		ug/kg	1	4	8	06/07/11
Aroclor-1254	11097-69-1	LA-523-427	U	<4		ug/kg	1	4	8	06/07/11
Aroclor-1260	11096-82-5	LA-523-427	U	<4		ug/kg	1	4	8	06/07/11
TPHD Prep Solids										**06/02/11**
TPHDWA										
Diesel	TPHDIESEL	LA-523-493	U	<4		mg/kg	1	4	5	06/07/11
Kerosene	TPHKEROSEN	LA-523-493	U	<4		mg/kg	1	4	5	06/07/11

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

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

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

WSCF Analytical Results Report

Attention Michael Neely
Department Organic, Volatiles

Group # WSCF112326

Sample # 112326001
SAF# F11-127
Sample ID B2F025

Matrix SOIL
Sampled 05/25/11
Received 05/25/11

Test Performed	CAS #	Method	RQ	Result	TP Err	Units	DF	MDL	PQL	Analyzed
8260 Prep										**06/01/11**
SW-846 8260B										
1,1-Dichloroethene	75-35-4	LA-523-455	U	<1		ug/kg	1	1	5	06/01/11
Trichloroethene	79-01-6	LA-523-455	U	<1		ug/kg	1	1	5	06/01/11
Benzene	71-43-2	LA-523-455	U	<1		ug/kg	1	1	5	06/01/11
Toluene	108-88-3	LA-523-455	U	<1		ug/kg	1	1	5	06/01/11
Chlorobenzene	108-90-7	LA-523-455	U	<1		ug/kg	1	1	5	06/01/11
Total Xylenes	1330-20-7	LA-523-455	U	<1		ug/kg	1	1	5	06/01/11
Carbon tetrachloride	56-23-5	LA-523-455	U	<1		ug/kg	1	1	5	06/01/11

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

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

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

WSCF Analytical Results Report

Attention Michael Neely
Department Organic, Volatiles

Group # WSCF112326

Sample # 112326002
SAF# F11-127
Sample ID B2F026

Matrix SOIL
Sampled 05/25/11
Received 05/25/11

Test Performed	CAS #	Method	RQ	Result	TP Err	Units	DF	MDL	PQL	Analyzed
8260 Prep										**06/01/11**
SW-846 8260B										
1,1-Dichloroethene	75-35-4	LA-523-455	U	<0.9		ug/kg	1	0.9	5	06/01/11
Trichloroethene	79-01-6	LA-523-455	U	<0.9		ug/kg	1	0.9	5	06/01/11
Benzene	71-43-2	LA-523-455	U	<0.9		ug/kg	1	0.9	5	06/01/11
Toluene	108-88-3	LA-523-455	U	<0.9		ug/kg	1	0.9	5	06/01/11
Chlorobenzene	108-90-7	LA-523-455	U	<0.9		ug/kg	1	0.9	5	06/01/11
Total Xylenes	1330-20-7	LA-523-455	U	<0.9		ug/kg	1	0.9	5	06/01/11
Carbon tetrachloride	56-23-5	LA-523-455	U	<0.9		ug/kg	1	0.9	5	06/01/11

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

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

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

WSCF Analytical Results Report

Attention Michael Neely
Department Organic, Volatiles

Group # WSCF112326

Sample # 112326003
SAF# F11-127
Sample ID B2F027

Matrix SOIL
Sampled 05/25/11
Received 05/25/11

Test Performed	CAS #	Method	RQ	Result	TP Err	Units	DF	MDL	PQL	Analyzed
8260 Prep										**06/01/11**
SW-846 8260B										
1,1-Dichloroethene	75-35-4	LA-523-455	U	<1		ug/kg	1	1	5	06/01/11
Trichloroethene	79-01-6	LA-523-455	U	<1		ug/kg	1	1	5	06/01/11
Benzene	71-43-2	LA-523-455	U	<1		ug/kg	1	1	5	06/01/11
Toluene	108-88-3	LA-523-455	U	<1		ug/kg	1	1	5	06/01/11
Chlorobenzene	108-90-7	LA-523-455	U	<1		ug/kg	1	1	5	06/01/11
Total Xylenes	1330-20-7	LA-523-455	U	<1		ug/kg	1	1	5	06/01/11
Carbon tetrachloride	56-23-5	LA-523-455	U	<1		ug/kg	1	1	5	06/01/11

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

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

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

WSCF Analytical Results Report

Attention Michael Neely
Department Organic, Volatiles

Group # WSCF112326

Sample # 112326004
SAF# F11-127
Sample ID B2F028

Matrix SOIL
Sampled 05/25/11
Received 05/25/11

Test Performed	CAS #	Method	RQ	Result	TP Err	Units	DF	MDL	PQL	Analyzed
8260 Prep										**06/01/11**
SW-846 8260B										
1,1-Dichloroethene	75-35-4	LA-523-455	U	<1		ug/kg	1	1	7	06/01/11
Trichloroethene	79-01-6	LA-523-455	U	<1		ug/kg	1	1	7	06/01/11
Benzene	71-43-2	LA-523-455	U	<1		ug/kg	1	1	7	06/01/11
Toluene	108-88-3	LA-523-455	U	<1		ug/kg	1	1	7	06/01/11
Chlorobenzene	108-90-7	LA-523-455	U	<1		ug/kg	1	1	7	06/01/11
Total Xylenes	1330-20-7	LA-523-455	U	<1		ug/kg	1	1	7	06/01/11
Carbon tetrachloride	56-23-5	LA-523-455	U	<1		ug/kg	1	1	7	06/01/11

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

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

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

WSCF Analytical Results Report

Attention Michael Neely
Department Organic, Volatiles

Group # WSCF112326

Sample # 112326005
SAF# F11-127
Sample ID B2F029

Matrix SOIL
Sampled 05/25/11
Received 05/25/11

Test Performed	CAS #	Method	RQ	Result	TP Err	Units	DF	MDL	PQL	Analyzed
8260 Prep										**06/01/11**
SW-846 8260B										
1,1-Dichloroethene	75-35-4	LA-523-455	U	<1		ug/kg	1	1	5	06/01/11
Trichloroethene	79-01-6	LA-523-455	U	<1		ug/kg	1	1	5	06/01/11
Benzene	71-43-2	LA-523-455	U	<1		ug/kg	1	1	5	06/01/11
Toluene	108-88-3	LA-523-455	U	<1		ug/kg	1	1	5	06/01/11
Chlorobenzene	108-90-7	LA-523-455	U	<1		ug/kg	1	1	5	06/01/11
Total Xylenes	1330-20-7	LA-523-455	U	<1		ug/kg	1	1	5	06/01/11
Carbon tetrachloride	56-23-5	LA-523-455	U	<1		ug/kg	1	1	5	06/01/11

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

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

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

WSCF Analytical Results Report

Attention Michael Neely
Department Organic, Volatiles

Group # WSCF112326

Sample # 112326006
SAF# F11-127
Sample ID B2F030

Matrix SOIL
Sampled 05/25/11
Received 05/25/11

Test Performed	CAS #	Method	RQ	Result	TP Err	Units	DF	MDL	PQL	Analyzed
8260 Prep										**06/01/11**
SW-846 8260B										
1,1-Dichloroethene	75-35-4	LA-523-455	U	<1		ug/kg	1	1	5	06/01/11
Trichloroethene	79-01-6	LA-523-455	U	<1		ug/kg	1	1	5	06/01/11
Benzene	71-43-2	LA-523-455	U	<1		ug/kg	1	1	5	06/01/11
Toluene	108-88-3	LA-523-455	U	<1		ug/kg	1	1	5	06/01/11
Chlorobenzene	108-90-7	LA-523-455	U	<1		ug/kg	1	1	5	06/01/11
Total Xylenes	1330-20-7	LA-523-455	U	<1		ug/kg	1	1	5	06/01/11
Carbon tetrachloride	56-23-5	LA-523-455	U	<1		ug/kg	1	1	5	06/01/11

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

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

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

WSCF Analytical Results Report

Attention Michael Neely
Department Organic, Volatiles

Group # WSCF112326

Sample # 112326007
SAF# F11-127
Sample ID B2F031

Matrix SOIL
Sampled 05/25/11
Received 05/25/11

Test Performed	CAS #	Method	RQ	Result	TP Err	Units	DF	MDL	PQL	Analyzed
8260 Prep										**06/01/11**
SW-846 8260B										
1,1-Dichloroethene	75-35-4	LA-523-455	U	<1		ug/kg	1	1	5	06/01/11
Trichloroethene	79-01-6	LA-523-455	U	<1		ug/kg	1	1	5	06/01/11
Benzene	71-43-2	LA-523-455	U	<1		ug/kg	1	1	5	06/01/11
Toluene	108-88-3	LA-523-455	U	<1		ug/kg	1	1	5	06/01/11
Chlorobenzene	108-90-7	LA-523-455	U	<1		ug/kg	1	1	5	06/01/11
Total Xylenes	1330-20-7	LA-523-455	U	<1		ug/kg	1	1	5	06/01/11
Carbon tetrachloride	56-23-5	LA-523-455	U	<1		ug/kg	1	1	5	06/01/11

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

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

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

WSCF Analytical Results Report

Attention Michael Neely
Department Organic, Volatiles

Group # WSCF112326

Sample # 112326008
SAF# F11-127
Sample ID B2F032

Matrix SOIL
Sampled 05/25/11
Received 05/25/11

Test Performed	CAS #	Method	RQ	Result	TP Err	Units	DF	MDL	PQL	Analyzed
8260 Prep										**06/01/11**
SW-846 8260B										
1,1-Dichloroethene	75-35-4	LA-523-455	U	<1		ug/kg	1	1	5	06/01/11
Trichloroethene	79-01-6	LA-523-455	U	<1		ug/kg	1	1	5	06/01/11
Benzene	71-43-2	LA-523-455	U	<1		ug/kg	1	1	5	06/01/11
Toluene	108-88-3	LA-523-455	U	<1		ug/kg	1	1	5	06/01/11
Chlorobenzene	108-90-7	LA-523-455	U	<1		ug/kg	1	1	5	06/01/11
Total Xylenes	1330-20-7	LA-523-455	U	<1		ug/kg	1	1	5	06/01/11
Carbon tetrachloride	56-23-5	LA-523-455	U	<1		ug/kg	1	1	5	06/01/11

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

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

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

WSCF Analytical Results Report

Attention Michael Neely
Department Organic, Volatiles

Group # WSCF112326

Sample # 112326009
SAF# F11-127
Sample ID B2F033

Matrix SOIL
Sampled 05/25/11
Received 05/25/11

Test Performed	CAS #	Method	RQ	Result	TP Err	Units	DF	MDL	PQL	Analyzed
8260 Prep										**06/01/11**
SW-846 8260B										
1,1-Dichloroethene	75-35-4	LA-523-455	U	<1		ug/kg	1	1	5	06/03/11
Trichloroethene	79-01-6	LA-523-455	U	<1		ug/kg	1	1	5	06/03/11
Benzene	71-43-2	LA-523-455	U	<1		ug/kg	1	1	5	06/03/11
Toluene	108-88-3	LA-523-455	U	<1		ug/kg	1	1	5	06/03/11
Chlorobenzene	108-90-7	LA-523-455	U	<1		ug/kg	1	1	5	06/03/11
Total Xylenes	1330-20-7	LA-523-455	U	<1		ug/kg	1	1	5	06/03/11
Carbon tetrachloride	56-23-5	LA-523-455	U	<1		ug/kg	1	1	5	06/03/11

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

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

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

WSCF Analytical Results Report

Attention Michael Neely
Department Organic, Volatiles

Group # WSCF112326

Sample # 112326010
SAF# F11-127
Sample ID B2F034

Matrix SOIL
Sampled 05/25/11
Received 05/25/11

Test Performed	CAS #	Method	RQ	Result	TP Err	Units	DF	MDL	PQL	Analyzed
8260 Prep										**06/01/11**
SW-846 8260B										
1,1-Dichloroethene	75-35-4	LA-523-455	U	<1		ug/kg	1	1	6	06/03/11
Trichloroethene	79-01-6	LA-523-455	U	<1		ug/kg	1	1	6	06/03/11
Benzene	71-43-2	LA-523-455	U	<1		ug/kg	1	1	6	06/03/11
Toluene	108-88-3	LA-523-455	U	<1		ug/kg	1	1	6	06/03/11
Chlorobenzene	108-90-7	LA-523-455	U	<1		ug/kg	1	1	6	06/03/11
Total Xylenes	1330-20-7	LA-523-455	U	<1		ug/kg	1	1	6	06/03/11
Carbon tetrachloride	56-23-5	LA-523-455	U	<1		ug/kg	1	1	6	06/03/11

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

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

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

WSCF Analytical Results Report

Attention Michael Neely
Department Organic, Volatiles

Group # WSCF112326

Sample # 112326011
SAF# F11-127
Sample ID B2F035

Matrix SOIL
Sampled 05/25/11
Received 05/25/11

Test Performed	CAS #	Method	RQ	Result	TP Err	Units	DF	MDL	PQL	Analyzed
8260 Prep										**06/01/11**
SW-846 8260B										
1,1-Dichloroethene	75-35-4	LA-523-455	U	<1		ug/kg	1	1	6	06/03/11
Trichloroethene	79-01-6	LA-523-455	U	<1		ug/kg	1	1	6	06/03/11
Benzene	71-43-2	LA-523-455	U	<1		ug/kg	1	1	6	06/03/11
Toluene	108-88-3	LA-523-455	U	<1		ug/kg	1	1	6	06/03/11
Chlorobenzene	108-90-7	LA-523-455	U	<1		ug/kg	1	1	6	06/03/11
Total Xylenes	1330-20-7	LA-523-455	U	<1		ug/kg	1	1	6	06/03/11
Carbon tetrachloride	56-23-5	LA-523-455	U	<1		ug/kg	1	1	6	06/03/11

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

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

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

WSCF Analytical Results Report

Attention Michael Neely
Department Radiochemistry

Group # WSCF112326

Sample # 112326012
SAF# F11-127
Sample ID B2F039

Matrix SOIL
Sampled 05/25/11
Received 05/25/11

Test Performed	CAS #	Method	RQ	Result	TP Err	Units	DF	MDL	PQL	Analyzed
GEA Prep										**06/01/11**
GEA										
Cesium-137	10045-97-3	LA-508-481	U	-0.022	.025	pCi/g	1	0.044		06/01/11
Cobalt-60	10198-40-0	LA-508-481	U	-1.2E-3	.022	pCi/g	1	0.043		06/01/11
Europium-152	14683-23-9	LA-508-481	U	-0.038	.086	pCi/g	1	0.13		06/01/11
Europium-154	15585-10-1	LA-508-481	U	0.041	.071	pCi/g	1	0.15		06/01/11
Europium-155	14391-16-3	LA-508-481		0.23	.13	pCi/g	1	0.18		06/01/11
SR-89/90										**05/31/11**
SR-89/90										
Strontium-89/90	SR-RAD	LA-220-406	U	-0.26	.57	pCi/g	1	0.44		06/06/11
Tc-99										**06/01/11**
TRI-CARB LSC										
Technetium-99	14133-76-7	LA-508-421	U	-0.11	.13	pCi/g	1	0.22		06/08/11
Th/Pu/Am/U Teva										**06/03/11**
AEA Am-U-Pu										
Americium-241	14596-10-2	LA-508-471		0.023	.012	pCi/g	1	0.011		06/03/11
AEA Pu-Np										
Plutonium-238	13981-16-3	LA-508-471	U	-4.9E-3	.012	pCi/g	1	0.027		06/03/11
Plutonium-239/240	PU-239/240	LA-508-471		0.011	.0083	pCi/g	1	4.4E-3		06/03/11

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

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

WSCF Analytical Results Report

Attention Michael Neely
Department Radiochemistry

Group # WSCF112326

Sample # 112326012
SAF# F11-127
Sample ID B2F039

Matrix SOIL
Sampled 05/25/11
Received 05/25/11

Test Performed	CAS #	Method	RQ	Result	TP Err	Units	DF	MDL	PQL	Analyzed
Uranium Iso										
Uranium-234	U-233/234	LA-508-471		0.13	.045	pCi/g	1	0.023		06/06/11
Uranium-235	15117-96-1	LA-508-471		0.011	.0091	pCi/g	1	5.7E-3		06/06/11
Uranium-238	U-238	LA-508-471		0.16	.049	pCi/g	1	0.014		06/06/11

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

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

WSCF Analytical Results Report

Attention Michael Neely
Department Radiochemistry

Group # WSCF112326

Sample # 112326013
SAF# F11-127
Sample ID B2F040

Matrix SOIL
Sampled 05/25/11
Received 05/25/11

Test Performed	CAS #	Method	RQ	Result	TP Err	Units	DF	MDL	PQL	Analyzed
GEA Prep										**06/01/11**
GEA										
Cesium-137	10045-97-3	LA-508-481	U	-0.027	.025	pCi/g	1	0.042		06/01/11
Cobalt-60	10198-40-0	LA-508-481	U	-4.5E-3	.023	pCi/g	1	0.040		06/01/11
Europium-152	14683-23-9	LA-508-481	U	0.046	.11	pCi/g	1	0.13		06/01/11
Europium-154	15585-10-1	LA-508-481	U	-1.8E-3	.089	pCi/g	1	0.14		06/01/11
Europium-155	14391-16-3	LA-508-481	U	0.081	.093	pCi/g	1	0.18		06/01/11
SR-89/90										**05/31/11**
SR-89/90										
Strontium-89/90	SR-RAD	LA-220-406		0.50	.67	pCi/g	1	0.49		06/06/11
Tc-99										**06/01/11**
TRI-CARB LSC										
Technetium-99	14133-76-7	LA-508-421	U	-0.10	.13	pCi/g	1	0.21		06/08/11
Th/Pu/Am/U Teva										**06/03/11**
AEA Am-U-Pu										
Americium-241	14596-10-2	LA-508-471		0.018	.011	pCi/g	1	4.5E-3		06/03/11
AEA Pu-Np										
Plutonium-238	13981-16-3	LA-508-471	U	1.8E-3	.0089	pCi/g	1	0.019		06/03/11
Plutonium-239/240	PU-239/240	LA-508-471		0.016	.011	pCi/g	1	4.7E-3		06/03/11

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

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

WSCF Analytical Results Report

Attention Michael Neely
Department Radiochemistry

Group # WSCF112326

Sample # 112326013
SAF# F11-127
Sample ID B2F040

Matrix SOIL
Sampled 05/25/11
Received 05/25/11

Test Performed	CAS #	Method	RQ	Result	TP Err	Units	DF	MDL	PQL	Analyzed
Uranium Iso										
Uranium-234	U-233/234	LA-508-471		0.22	.069	pCi/g	1	0.021		06/06/11
Uranium-235	15117-96-1	LA-508-471	U	0.012	.013	pCi/g	1	0.018		06/06/11
Uranium-238	U-238	LA-508-471		0.17	.058	pCi/g	1	0.017		06/06/11

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

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

WSCF Analytical Results Report

Attention Michael Neely
Department Radiochemistry

Group # WSCF112326

Sample # 112326014
SAF# F11-127
Sample ID B2F041

Matrix SOIL
Sampled 05/25/11
Received 05/25/11

Test Performed	CAS #	Method	RQ	Result	TP Err	Units	DF	MDL	PQL	Analyzed
GEA Prep										**06/01/11**
GEA										
Cesium-137	10045-97-3	LA-508-481	U	0.017	.014	pCi/g	1	0.027		06/01/11
Cobalt-60	10198-40-0	LA-508-481	U	7.5E-3	.012	pCi/g	1	0.023		06/01/11
Europium-152	14683-23-9	LA-508-481	U	-0.021	.043	pCi/g	1	0.069		06/01/11
Europium-154	15585-10-1	LA-508-481	U	-0.020	.04	pCi/g	1	0.071		06/01/11
Europium-155	14391-16-3	LA-508-481	U	0.095	.06	pCi/g	1	0.096		06/01/11
SR-89/90										**05/31/11**
SR-89/90										
Strontium-89/90	SR-RAD	LA-220-406		0.58	.6	pCi/g	1	0.43		06/06/11
Tc-99										**06/01/11**
TRI-CARB LSC										
Technetium-99	14133-76-7	LA-508-421	U	-0.11	.14	pCi/g	1	0.21		06/08/11
Th/Pu/Am/U Teva										**06/03/11**
AEA Am-U-Pu										
Americium-241	14596-10-2	LA-508-471		0.036	.017	pCi/g	1	4.6E-3		06/03/11
AEA Pu-Np										
Plutonium-238	13981-16-3	LA-508-471	U	3.7E-3	.0087	pCi/g	1	0.017		06/03/11
Plutonium-239/240	PU-239/240	LA-508-471	U	5.6E-3	.0094	pCi/g	1	0.017		06/03/11

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

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

WSCF Analytical Results Report

Attention Michael Neely
Department Radiochemistry

Group # WSCF112326

Sample # 112326014
SAF# F11-127
Sample ID B2F041

Matrix SOIL
Sampled 05/25/11
Received 05/25/11

Test Performed	CAS #	Method	RQ	Result	TP Err	Units	DF	MDL	PQL	Analyzed
Uranium Iso										
Uranium-234	U-233/234	LA-508-471		0.21	.068	pCi/g	1	0.021		06/06/11
Uranium-235	15117-96-1	LA-508-471	U	0.020	.017	pCi/g	1	0.023		06/06/11
Uranium-238	U-238	LA-508-471		0.18	.057	pCi/g	1	6.1E-3		06/06/11

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

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

WSCF Analytical Results Report

Attention Michael Neely
Department Radiochemistry

Group # WSCF112326

Sample # 112326015
SAF# F11-127
Sample ID B2F042

Matrix SOIL
Sampled 05/25/11
Received 05/25/11

Test Performed	CAS #	Method	RQ	Result	TP Err	Units	DF	MDL	PQL	Analyzed
GEA Prep										**06/01/11**
GEA										
Cesium-137	10045-97-3	LA-508-481	U	0.024	.027	pCi/g	1	0.054		06/01/11
Cobalt-60	10198-40-0	LA-508-481	U	5.4E-3	.028	pCi/g	1	0.055		06/01/11
Europium-152	14683-23-9	LA-508-481	U	-7.1E-3	.084	pCi/g	1	0.15		06/01/11
Europium-154	15585-10-1	LA-508-481	U	-0.027	.095	pCi/g	1	0.18		06/01/11
Europium-155	14391-16-3	LA-508-481	U	0.019	.11	pCi/g	1	0.21		06/01/11
SR-89/90										**05/31/11**
SR-89/90										
Strontium-89/90	SR-RAD	LA-220-406		0.48	.59	pCi/g	1	0.46		06/06/11
Tc-99										**06/01/11**
TRI-CARB LSC										
Technetium-99	14133-76-7	LA-508-421	U	0.0	.14	pCi/g	1	0.22		06/08/11
Th/Pu/Am/U Teva										**06/03/11**
AEA Am-U-Pu										
Americium-241	14596-10-2	LA-508-471	U	0.040	.042	pCi/g	1	0.071		06/06/11
AEA Pu-Np										
Plutonium-238	13981-16-3	LA-508-471	U	0.011	.01	pCi/g	1	0.014		06/03/11
Plutonium-239/240	PU-239/240	LA-508-471	U	1.9E-3	.0094	pCi/g	1	0.021		06/03/11

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

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

WSCF Analytical Results Report

Attention Michael Neely
Department Radiochemistry

Group # WSCF112326

Sample # 112326015
SAF# F11-127
Sample ID B2F042

Matrix SOIL
Sampled 05/25/11
Received 05/25/11

Test Performed	CAS #	Method	RQ	Result	TP Err	Units	DF	MDL	PQL	Analyzed
Uranium Iso										
Uranium-234	U-233/234	LA-508-471		0.15	.048	pCi/g	1	0.020		06/06/11
Uranium-235	15117-96-1	LA-508-471		0.010	.009	pCi/g	1	5.6E-3		06/06/11
Uranium-238	U-238	LA-508-471		0.18	.054	pCi/g	1	5.1E-3		06/06/11

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

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

WSCF Analytical Results Report

Attention Michael Neely
Department Radiochemistry

Group # WSCF112326

Sample # 112326016
SAF# F11-127
Sample ID B2F043

Matrix SOIL
Sampled 05/25/11
Received 05/25/11

Test Performed	CAS #	Method	RQ	Result	TP Err	Units	DF	MDL	PQL	Analyzed
GEA Prep										**06/01/11**
GEA										
Cesium-137	10045-97-3	LA-508-481	U	-0.015	.027	pCi/g	1	0.048		06/01/11
Cobalt-60	10198-40-0	LA-508-481	U	-6.1E-3	.024	pCi/g	1	0.045		06/01/11
Europium-152	14683-23-9	LA-508-481	U	0.046	.089	pCi/g	1	0.14		06/01/11
Europium-154	15585-10-1	LA-508-481	U	-0.042	.07	pCi/g	1	0.13		06/01/11
Europium-155	14391-16-3	LA-508-481	U	0.031	.12	pCi/g	1	0.21		06/01/11
SR-89/90										**05/31/11**
SR-89/90										
Strontium-89/90	SR-RAD	LA-220-406		1.0	.61	pCi/g	1	0.45		06/06/11
Tc-99										**06/01/11**
TRI-CARB LSC										
Technetium-99	14133-76-7	LA-508-421	U	0.0	.13	pCi/g	1	0.21		06/08/11
Th/Pu/Am/U Teva										**06/03/11**
AEA Am-U-Pu										
Americium-241	14596-10-2	LA-508-471	U	0.040	.04	pCi/g	1	0.065		06/06/11
AEA Pu-Np										
Plutonium-238	13981-16-3	LA-508-471	U	4.4E-3	.0059	pCi/g	1	5.9E-3		06/03/11
Plutonium-239/240	PU-239/240	LA-508-471		0.011	.0095	pCi/g	1	5.9E-3		06/03/11

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

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

WSCF Analytical Results Report

Attention Michael Neely
Department Radiochemistry

Group # WSCF112326

Sample # 112326016
SAF# F11-127
Sample ID B2F043

Matrix SOIL
Sampled 05/25/11
Received 05/25/11

Test Performed	CAS #	Method	RQ	Result	TP Err	Units	DF	MDL	PQL	Analyzed
Uranium Iso										
Uranium-234	U-233/234	LA-508-471		0.17	.057	pCi/g	1	0.024		06/06/11
Uranium-235	15117-96-1	LA-508-471		0.013	.011	pCi/g	1	0.0060		06/06/11
Uranium-238	U-238	LA-508-471		0.16	.053	pCi/g	1	0.015		06/06/11

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

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

WSCF Analytical Results Report

Attention Michael Neely
Department Radiochemistry

Group # WSCF112326

Sample # 112326017
SAF# F11-127
Sample ID B2F044

Matrix SOIL
Sampled 05/25/11
Received 05/25/11

Test Performed	CAS #	Method	RQ	Result	TP Err	Units	DF	MDL	PQL	Analyzed
GEA Prep										**06/01/11**
GEA										
Cesium-137	10045-97-3	LA-508-481	U	0.016	.015	pCi/g	1	0.029		06/01/11
Cobalt-60	10198-40-0	LA-508-481	U	2.7E-3	.012	pCi/g	1	0.026		06/01/11
Europium-152	14683-23-9	LA-508-481	U	-0.029	.042	pCi/g	1	0.074		06/01/11
Europium-154	15585-10-1	LA-508-481	U	0.037	.044	pCi/g	1	0.087		06/01/11
Europium-155	14391-16-3	LA-508-481	U	0.046	.055	pCi/g	1	0.12		06/01/11
SR-89/90										**05/31/11**
SR-89/90										
Strontium-89/90	SR-RAD	LA-220-406		1.2	.66	pCi/g	1	0.55		06/06/11
Tc-99										**06/01/11**
TRI-CARB LSC										
Technetium-99	14133-76-7	LA-508-421	U	-0.12	.13	pCi/g	1	0.24		06/08/11
Th/Pu/Am/U Teva										**06/03/11**
AEA Am-U-Pu										
Americium-241	14596-10-2	LA-508-471		0.030	.013	pCi/g	1	4.8E-3		06/03/11
AEA Pu-Np										
Plutonium-238	13981-16-3	LA-508-471		7.9E-3	.0066	pCi/g	1	5.3E-3		06/03/11
Plutonium-239/240	PU-239/240	LA-508-471	U	0.012	.0094	pCi/g	1	0.015		06/03/11

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

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

WSCF Analytical Results Report

Attention Michael Neely
Department Radiochemistry

Group # WSCF112326

Sample # 112326017
SAF# F11-127
Sample ID B2F044

Matrix SOIL
Sampled 05/25/11
Received 05/25/11

Test Performed	CAS #	Method	RQ	Result	TP Err	Units	DF	MDL	PQL	Analyzed
Uranium Iso										
Uranium-234	U-233/234	LA-508-471		0.22	.061	pCi/g	1	0.027		06/06/11
Uranium-235	15117-96-1	LA-508-471		0.030	.016	pCi/g	1	7.5E-3		06/06/11
Uranium-238	U-238	LA-508-471		0.20	.056	pCi/g	1	6.9E-3		06/06/11

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

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

WSCF Analytical Results Report

Attention Michael Neely
Department Radiochemistry

Group # WSCF112326

Sample # 112326018
SAF# F11-127
Sample ID B2F045

Matrix SOIL
Sampled 05/25/11
Received 05/25/11

Test Performed	CAS #	Method	RQ	Result	TP Err	Units	DF	MDL	PQL	Analyzed
GEA Prep										**06/01/11**
GEA										
Cesium-137	10045-97-3	LA-508-481	U	-1.2E-3	.028	pCi/g	1	0.054		06/01/11
Cobalt-60	10198-40-0	LA-508-481	U	4.2E-3	.028	pCi/g	1	0.056		06/01/11
Europium-152	14683-23-9	LA-508-481	U	8.4E-3	.11	pCi/g	1	0.16		06/01/11
Europium-154	15585-10-1	LA-508-481		0.18	.11	pCi/g	1	0.18		06/01/11
Europium-155	14391-16-3	LA-508-481	U	0.027	.11	pCi/g	1	0.22		06/01/11
SR-89/90										**05/31/11**
SR-89/90										
Strontium-89/90	SR-RAD	LA-220-406		1.1	.61	pCi/g	1	0.47		06/06/11
Tc-99										**06/01/11**
TRI-CARB LSC										
Technetium-99	14133-76-7	LA-508-421	U	0.11	.14	pCi/g	1	0.22		06/08/11
Th/Pu/Am/U Teva										**06/03/11**
AEA Am-U-Pu										
Americium-241	14596-10-2	LA-508-471		0.025	.014	pCi/g	1	0.015		06/03/11
AEA Pu-Np										
Plutonium-238	13981-16-3	LA-508-471	U	-0.0040	.009	pCi/g	1	0.024		06/03/11
Plutonium-239/240	PU-239/240	LA-508-471		0.016	.011	pCi/g	1	5.4E-3		06/03/11

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

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

WSCF Analytical Results Report

Attention Michael Neely
Department Radiochemistry

Group # WSCF112326

Sample # 112326018
SAF# F11-127
Sample ID B2F045

Matrix SOIL
Sampled 05/25/11
Received 05/25/11

Test Performed	CAS #	Method	RQ	Result	TP Err	Units	DF	MDL	PQL	Analyzed
Uranium Iso										
Uranium-234	U-233/234	LA-508-471		0.22	.067	pCi/g	1	0.017		06/06/11
Uranium-235	15117-96-1	LA-508-471	U	0.013	.013	pCi/g	1	0.019		06/06/11
Uranium-238	U-238	LA-508-471		0.24	.072	pCi/g	1	0.021		06/06/11

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

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

WSCF Analytical Results Report

Attention Michael Neely
Department Radiochemistry

Group # WSCF112326

Sample # 112326019
SAF# F11-127
Sample ID B2F046

Matrix SOIL
Sampled 05/25/11
Received 05/25/11

Test Performed	CAS #	Method	RQ	Result	TP Err	Units	DF	MDL	PQL	Analyzed
GEA Prep										**06/01/11**
GEA										
Cesium-137	10045-97-3	LA-508-481	U	-0.012	.023	pCi/g	1	0.041		06/01/11
Cobalt-60	10198-40-0	LA-508-481	U	8.8E-4	.021	pCi/g	1	0.041		06/01/11
Europium-152	14683-23-9	LA-508-481	U	-4.3E-3	.089	pCi/g	1	0.12		06/01/11
Europium-154	15585-10-1	LA-508-481	U	0.026	.066	pCi/g	1	0.13		06/01/11
Europium-155	14391-16-3	LA-508-481	U	-0.036	.11	pCi/g	1	0.20		06/01/11
SR-89/90										**05/31/11**
SR-89/90										
Strontium-89/90	SR-RAD	LA-220-406		1.1	1	pCi/g	1	0.53		06/06/11
Tc-99										**06/01/11**
TRI-CARB LSC										
Technetium-99	14133-76-7	LA-508-421	U	0.0	.13	pCi/g	1	0.21		06/08/11
Th/Pu/Am/U Teva										**06/03/11**
AEA Am-U-Pu										
Americium-241	14596-10-2	LA-508-471	U	0.042	.037	pCi/g	1	0.059		06/06/11
AEA Pu-Np										
Plutonium-238	13981-16-3	LA-508-471	U	0.011	.021	pCi/g	1	0.037		06/06/11
Plutonium-239/240	PU-239/240	LA-508-471		0.020	.012	pCi/g	1	4.9E-3		06/06/11

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

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

WSCF Analytical Results Report

Attention Michael Neely
Department Radiochemistry

Group # WSCF112326

Sample # 112326019
SAF# F11-127
Sample ID B2F046

Matrix SOIL
Sampled 05/25/11
Received 05/25/11

Test Performed	CAS #	Method	RQ	Result	TP Err	Units	DF	MDL	PQL	Analyzed
Uranium Iso										
Uranium-234	U-233/234	LA-508-471		0.16	.045	pCi/g	1	0.012		06/06/11
Uranium-235	15117-96-1	LA-508-471		0.016	.011	pCi/g	1	5.5E-3		06/06/11
Uranium-238	U-238	LA-508-471		0.16	.046	pCi/g	1	4.5E-3		06/06/11

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

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

WSCF Analytical Results Report

Attention Michael Neely
Department Radiochemistry

Group # WSCF112326

Sample # 112326020
SAF# F11-127
Sample ID B2F047

Matrix SOIL
Sampled 05/25/11
Received 05/25/11

Test Performed	CAS #	Method	RQ	Result	TP Err	Units	DF	MDL	PQL	Analyzed
GEA Prep										**06/01/11**
GEA										
Cesium-137	10045-97-3	LA-508-481	U	-0.0090	.015	pCi/g	1	0.030		06/01/11
Cobalt-60	10198-40-0	LA-508-481	U	-6.2E-3	.013	pCi/g	1	0.027		06/01/11
Europium-152	14683-23-9	LA-508-481	U	-0.010	.048	pCi/g	1	0.083		06/01/11
Europium-154	15585-10-1	LA-508-481	U	-9.9E-3	.041	pCi/g	1	0.083		06/01/11
Europium-155	14391-16-3	LA-508-481	U	0.087	.078	pCi/g	1	0.11		06/01/11
SR-89/90										**05/31/11**
SR-89/90										
Strontium-89/90	SR-RAD	LA-220-406		1.2	.78	pCi/g	1	0.47		06/06/11
Tc-99										**06/01/11**
TRI-CARB LSC										
Technetium-99	14133-76-7	LA-508-421	U	-0.12	.13	pCi/g	1	0.23		06/08/11
Th/Pu/Am/U Teva										**06/03/11**
AEA Am-U-Pu										
Americium-241	14596-10-2	LA-508-471	U	0.028	.032	pCi/g	1	0.061		06/06/11
AEA Pu-Np										
Plutonium-238	13981-16-3	LA-508-471	U	2.2E-3	.0019	pCi/g	1	0.032		06/06/11
Plutonium-239/240	PU-239/240	LA-508-471		0.011	.0088	pCi/g	1	6.1E-3		06/06/11

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

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

WSCF Analytical Results Report

Attention Michael Neely
Department Radiochemistry

Group # WSCF112326

Sample # 112326020
SAF# F11-127
Sample ID B2F047

Matrix SOIL
Sampled 05/25/11
Received 05/25/11

Test Performed	CAS #	Method	RQ	Result	TP Err	Units	DF	MDL	PQL	Analyzed
Uranium Iso										
Uranium-234	U-233/234	LA-508-471		0.18	.044	pCi/g	1	4.6E-3		06/06/11
Uranium-235	15117-96-1	LA-508-471		0.017	.01	pCi/g	1	5.6E-3		06/06/11
Uranium-238	U-238	LA-508-471		0.22	.051	pCi/g	1	0.012		06/06/11

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

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

WSCF Analytical Results Report

Attention Michael Neely
Department Radiochemistry

Group # WSCF112326

Sample # 112326021
SAF# F11-127
Sample ID B2F048

Matrix SOIL
Sampled 05/25/11
Received 05/25/11

Test Performed	CAS #	Method	RQ	Result	TP Err	Units	DF	MDL	PQL	Analyzed
GEA Prep										**06/01/11**
GEA										
Cesium-137	10045-97-3	LA-508-481	U	-7.8E-3	.022	pCi/g	1	0.042		06/01/11
Cobalt-60	10198-40-0	LA-508-481	U	0.015	.021	pCi/g	1	0.044		06/01/11
Europium-152	14683-23-9	LA-508-481	U	-0.064	.077	pCi/g	1	0.11		06/01/11
Europium-154	15585-10-1	LA-508-481	U	-0.017	.069	pCi/g	1	0.13		06/01/11
Europium-155	14391-16-3	LA-508-481	U	0.042	.092	pCi/g	1	0.17		06/01/11
SR-89/90										**05/31/11**
SR-89/90										
Strontium-89/90	SR-RAD	LA-220-406		1.1	.85	pCi/g	1	0.49		06/06/11
Tc-99										**06/01/11**
TRI-CARB LSC										
Technetium-99	14133-76-7	LA-508-421	U	-0.11	.13	pCi/g	1	0.22		06/08/11
Th/Pu/Am/U Teva										**06/03/11**
AEA Am-U-Pu										
Americium-241	14596-10-2	LA-508-471	U	0.013	.026	pCi/g	1	0.048		06/06/11
AEA Pu-Np										
Plutonium-238	13981-16-3	LA-508-471	U	1.4E-3	.0013	pCi/g	1	0.024		06/06/11
Plutonium-239/240	PU-239/240	LA-508-471		0.012	.0078	pCi/g	1	3.9E-3		06/06/11

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

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

WSCF Analytical Results Report

Attention Michael Neely
Department Radiochemistry

Group # WSCF112326

Sample # 112326021
SAF# F11-127
Sample ID B2F048

Matrix SOIL
Sampled 05/25/11
Received 05/25/11

Test Performed	CAS #	Method	RQ	Result	TP Err	Units	DF	MDL	PQL	Analyzed
Uranium Iso										
Uranium-234	U-233/234	LA-508-471		0.14	.037	pCi/g	1	0.010		06/06/11
Uranium-235	15117-96-1	LA-508-471		0.011	.0082	pCi/g	1	4.8E-3		06/06/11
Uranium-238	U-238	LA-508-471		0.20	.051	pCi/g	1	3.8E-3		06/06/11

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

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

WSCF Analytical Results Report

Attention Michael Neely
Department Radiochemistry

Group # WSCF112326

Sample # 112326022
SAF# F11-127
Sample ID B2F049

Matrix SOIL
Sampled 05/25/11
Received 05/25/11

Test Performed	CAS #	Method	RQ	Result	TP Err	Units	DF	MDL	PQL	Analyzed
GEA Prep										**06/01/11**
GEA										
Cesium-137	10045-97-3	LA-508-481	U	-0.022	.026	pCi/g	1	0.045		06/01/11
Cobalt-60	10198-40-0	LA-508-481	U	9.2E-3	.026	pCi/g	1	0.052		06/01/11
Europium-152	14683-23-9	LA-508-481	U	0.041	.092	pCi/g	1	0.14		06/01/11
Europium-154	15585-10-1	LA-508-481	U	-0.072	.084	pCi/g	1	0.15		06/01/11
Europium-155	14391-16-3	LA-508-481	U	0.12	.1	pCi/g	1	0.20		06/01/11
SR-89/90										**05/31/11**
SR-89/90										
Strontium-89/90	SR-RAD	LA-220-406		0.86	.86	pCi/g	1	0.48		06/06/11
Tc-99										**06/01/11**
TRI-CARB LSC										
Technetium-99	14133-76-7	LA-508-421	U	-0.11	.12	pCi/g	1	0.21		06/08/11
Th/Pu/Am/U Teva										**06/03/11**
AEA Am-U-Pu										
Americium-241	14596-10-2	LA-508-471	U	4.2E-3	.031	pCi/g	1	0.059		06/06/11
AEA Pu-Np										
Plutonium-238	13981-16-3	LA-508-471	U	1.5E-3	.0063	pCi/g	1	0.014		06/06/11
Plutonium-239/240	PU-239/240	LA-508-471	U	0.0030	.0057	pCi/g	1	0.011		06/06/11

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

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

WSCF Analytical Results Report

Attention Michael Neely
Department Radiochemistry

Group # WSCF112326

Sample # 112326022
SAF# F11-127
Sample ID B2F049

Matrix SOIL
Sampled 05/25/11
Received 05/25/11

Test Performed	CAS #	Method	RQ	Result	TP Err	Units	DF	MDL	PQL	Analyzed
Uranium Iso										
Uranium-234	U-233/234	LA-508-471		0.15	.042	pCi/g	1	0.011		06/06/11
Uranium-235	15117-96-1	LA-508-471		9.5E-3	.0081	pCi/g	1	5.1E-3		06/06/11
Uranium-238	U-238	LA-508-471		0.20	.053	pCi/g	1	0.011		06/06/11

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

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

WSCF Analytical Results Report

Attention Michael Neely
Department Wet Chemistry

Group # WSCF112326

Sample # 112326001
SAF# F11-127
Sample ID B2F025

Matrix SOIL
Sampled 05/25/11
Received 05/25/11

Test Performed	CAS #	Method	RQ	Result	TP Err	Units	DF	MDL	PQL	Analyzed
Total Residue										**05/26/11**
Total Residue										
Percent Solids	%SOLIDS	LA-519-412		90		percent	1			05/26/11

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

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

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

WSCF Analytical Results Report

Attention Michael Neely
Department Wet Chemistry

Group # WSCF112326

Sample # 112326002
SAF# F11-127
Sample ID B2F026

Matrix SOIL
Sampled 05/25/11
Received 05/25/11

Test Performed	CAS #	Method	RQ	Result	TP Err	Units	DF	MDL	PQL	Analyzed
Total Residue										**05/26/11**
Total Residue										
Percent Solids	%SOLIDS	LA-519-412		93		percent	1			05/26/11

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

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

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

WSCF Analytical Results Report

Attention Michael Neely
Department Wet Chemistry

Group # WSCF112326

Sample # 112326003
SAF# F11-127
Sample ID B2F027

Matrix SOIL
Sampled 05/25/11
Received 05/25/11

Test Performed	CAS #	Method	RQ	Result	TP Err	Units	DF	MDL	PQL	Analyzed
Total Residue										**05/26/11**
Total Residue										
Percent Solids	%SOLIDS	LA-519-412		93		percent	1			05/26/11

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

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

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

WSCF Analytical Results Report

Attention Michael Neely
Department Wet Chemistry

Group # WSCF112326

Sample # 112326004
SAF# F11-127
Sample ID B2F028

Matrix SOIL
Sampled 05/25/11
Received 05/25/11

Test Performed	CAS #	Method	RQ	Result	TP Err	Units	DF	MDL	PQL	Analyzed
Total Residue										**05/26/11**
Total Residue										
Percent Solids	%SOLIDS	LA-519-412		92		percent	1			05/26/11

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

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

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

WSCF Analytical Results Report

Attention Michael Neely
Department Wet Chemistry

Group # WSCF112326

Sample # 112326005
SAF# F11-127
Sample ID B2F029

Matrix SOIL
Sampled 05/25/11
Received 05/25/11

Test Performed	CAS #	Method	RQ	Result	TP Err	Units	DF	MDL	PQL	Analyzed
Total Residue										**05/26/11**
Total Residue										
Percent Solids	%SOLIDS	LA-519-412		95		percent	1			05/26/11

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

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

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

WSCF Analytical Results Report

Attention Michael Neely
Department Wet Chemistry

Group # WSCF112326

Sample # 112326006
SAF# F11-127
Sample ID B2F030

Matrix SOIL
Sampled 05/25/11
Received 05/25/11

Test Performed	CAS #	Method	RQ	Result	TP Err	Units	DF	MDL	PQL	Analyzed
Total Residue										**05/26/11**
Total Residue										
Percent Solids	%SOLIDS	LA-519-412		95		percent	1			05/26/11

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

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

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

WSCF Analytical Results Report

Attention Michael Neely
Department Wet Chemistry

Group # WSCF112326

Sample # 112326007
SAF# F11-127
Sample ID B2F031

Matrix SOIL
Sampled 05/25/11
Received 05/25/11

Test Performed	CAS #	Method	RQ	Result	TP Err	Units	DF	MDL	PQL	Analyzed
Total Residue										**05/26/11**
Total Residue										
Percent Solids	%SOLIDS	LA-519-412		91		percent	1			05/26/11

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

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

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

WSCF Analytical Results Report

Attention Michael Neely
Department Wet Chemistry

Group # WSCF112326

Sample # 112326008
SAF# F11-127
Sample ID B2F032

Matrix SOIL
Sampled 05/25/11
Received 05/25/11

Test Performed	CAS #	Method	RQ	Result	TP Err	Units	DF	MDL	PQL	Analyzed
Total Residue										**05/26/11**
Total Residue										
Percent Solids	%SOLIDS	LA-519-412		96		percent	1			05/26/11

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

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

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

WSCF Analytical Results Report

Attention Michael Neely
Department Wet Chemistry

Group # WSCF112326

Sample # 112326009
SAF# F11-127
Sample ID B2F033

Matrix SOIL
Sampled 05/25/11
Received 05/25/11

Test Performed	CAS #	Method	RQ	Result	TP Err	Units	DF	MDL	PQL	Analyzed
Total Residue										**05/26/11**
Total Residue										
Percent Solids	%SOLIDS	LA-519-412		90		percent	1			05/26/11

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

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

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

WSCF Analytical Results Report

Attention Michael Neely
Department Wet Chemistry

Group # WSCF112326

Sample # 112326010
SAF# F11-127
Sample ID B2F034

Matrix SOIL
Sampled 05/25/11
Received 05/25/11

Test Performed	CAS #	Method	RQ	Result	TP Err	Units	DF	MDL	PQL	Analyzed
Total Residue										**05/26/11**
Total Residue										
Percent Solids	%SOLIDS	LA-519-412		93		percent	1			05/26/11

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

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

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

WSCF Analytical Results Report

Attention Michael Neely
Department Wet Chemistry

Group # WSCF112326

Sample # 112326011
SAF# F11-127
Sample ID B2F035

Matrix SOIL
Sampled 05/25/11
Received 05/25/11

Test Performed	CAS #	Method	RQ	Result	TP Err	Units	DF	MDL	PQL	Analyzed
Total Residue										**05/26/11**
Total Residue										
Percent Solids	%SOLIDS	LA-519-412		95		percent	1			05/26/11

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

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

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

WSCF Analytical Results Report

Attention Michael Neely
Department Wet Chemistry

Group # WSCF112326

Sample # 112326012
SAF# F11-127
Sample ID B2F039

Matrix SOIL
Sampled 05/25/11
Received 05/25/11

Test Performed	CAS #	Method	RQ	Result	TP Err	Units	DF	MDL	PQL	Analyzed
Total Residue										**05/26/11**
Total Residue										
Percent Solids	%SOLIDS	LA-519-412		92		percent	1			05/26/11

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

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

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

WSCF Analytical Results Report

Attention Michael Neely
Department Wet Chemistry

Group # WSCF112326

Sample # 112326013
SAF# F11-127
Sample ID B2F040

Matrix SOIL
Sampled 05/25/11
Received 05/25/11

Test Performed	CAS #	Method	RQ	Result	TP Err	Units	DF	MDL	PQL	Analyzed
Total Residue										**05/26/11**
Total Residue										
Percent Solids	%SOLIDS	LA-519-412		96		percent	1			05/26/11

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

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

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

WSCF Analytical Results Report

Attention Michael Neely
Department Wet Chemistry

Group # WSCF112326

Sample # 112326014
SAF# F11-127
Sample ID B2F041

Matrix SOIL
Sampled 05/25/11
Received 05/25/11

Test Performed	CAS #	Method	RQ	Result	TP Err	Units	DF	MDL	PQL	Analyzed
Total Residue										**05/26/11**
Total Residue										
Percent Solids	%SOLIDS	LA-519-412		95		percent	1			05/26/11

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

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

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

WSCF Analytical Results Report

Attention Michael Neely
Department Wet Chemistry

Group # WSCF112326

Sample # 112326015
SAF# F11-127
Sample ID B2F042

Matrix SOIL
Sampled 05/25/11
Received 05/25/11

Test Performed	CAS #	Method	RQ	Result	TP Err	Units	DF	MDL	PQL	Analyzed
Total Residue										**05/26/11**
Total Residue										
Percent Solids	%SOLIDS	LA-519-412		93		percent	1			05/26/11

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

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

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

WSCF Analytical Results Report

Attention Michael Neely
Department Wet Chemistry

Group # WSCF112326

Sample # 112326016
SAF# F11-127
Sample ID B2F043

Matrix SOIL
Sampled 05/25/11
Received 05/25/11

Test Performed	CAS #	Method	RQ	Result	TP Err	Units	DF	MDL	PQL	Analyzed
Total Residue										**05/26/11**
Total Residue										
Percent Solids	%SOLIDS	LA-519-412		95		percent	1			05/26/11

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

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

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

WSCF Analytical Results Report

Attention Michael Neely
Department Wet Chemistry

Group # WSCF112326

Sample # 112326017
SAF# F11-127
Sample ID B2F044

Matrix SOIL
Sampled 05/25/11
Received 05/25/11

Test Performed	CAS #	Method	RQ	Result	TP Err	Units	DF	MDL	PQL	Analyzed
Total Residue										**05/26/11**
Total Residue										
Percent Solids	%SOLIDS	LA-519-412		82		percent	1			05/26/11

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

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

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

WSCF Analytical Results Report

Attention Michael Neely
Department Wet Chemistry

Group # WSCF112326

Sample # 112326018
SAF# F11-127
Sample ID B2F045

Matrix SOIL
Sampled 05/25/11
Received 05/25/11

Test Performed	CAS #	Method	RQ	Result	TP Err	Units	DF	MDL	PQL	Analyzed
Total Residue										**05/26/11**
Total Residue										
Percent Solids	%SOLIDS	LA-519-412		92		percent	1			05/26/11

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

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

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

WSCF Analytical Results Report

Attention Michael Neely
Department Wet Chemistry

Group # WSCF112326

Sample # 112326019
SAF# F11-127
Sample ID B2F046

Matrix SOIL
Sampled 05/25/11
Received 05/25/11

Test Performed	CAS #	Method	RQ	Result	TP Err	Units	DF	MDL	PQL	Analyzed
Total Residue										**05/26/11**
Total Residue										
Percent Solids	%SOLIDS	LA-519-412		95		percent	1			05/26/11

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

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

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

WSCF Analytical Results Report

Attention Michael Neely
Department Wet Chemistry

Group # WSCF112326

Sample # 112326020
SAF# F11-127
Sample ID B2F047

Matrix SOIL
Sampled 05/25/11
Received 05/25/11

Test Performed	CAS #	Method	RQ	Result	TP Err	Units	DF	MDL	PQL	Analyzed
Total Residue										**05/26/11**
Total Residue										
Percent Solids	%SOLIDS	LA-519-412		85		percent	1			05/26/11

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

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

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

WSCF Analytical Results Report

Attention Michael Neely
Department Wet Chemistry

Group # WSCF112326

Sample # 112326021
SAF# F11-127
Sample ID B2F048

Matrix SOIL
Sampled 05/25/11
Received 05/25/11

Test Performed	CAS #	Method	RQ	Result	TP Err	Units	DF	MDL	PQL	Analyzed
Total Residue										**05/26/11**
Total Residue										
Percent Solids	%SOLIDS	LA-519-412		92		percent	1			05/26/11

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

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

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

WSCF Analytical Results Report

Attention Michael Neely
Department Wet Chemistry

Group # WSCF112326

Sample # 112326022
SAF# F11-127
Sample ID B2F049

Matrix SOIL
Sampled 05/25/11
Received 05/25/11

Test Performed	CAS #	Method	RQ	Result	TP Err	Units	DF	MDL	PQL	Analyzed
Total Residue										**05/26/11**
Total Residue										
Percent Solids	%SOLIDS	LA-519-412		93		percent	1			05/26/11

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

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

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

Quality Control Report

Attention Michael Neely
Department Inorganic

Group # WSCF112326

QC Batch 182643
Associated Samples 112326022

Test ICP-2008 MS All possible metal

Analyte	CAS #	Original Found	QC Found	Units	% Recov	Limits	RPD	RPD Limit	RQ	Analyzed
LCS			**QC Sample #56722**							
Manganese	7439-96-5		438	mg/kg	96.8	75 - 121				06/08/11
Nickel	7440-02-0		54.9	mg/kg	98.8	74 - 122				06/08/11
Silver	7440-22-4		102	mg/kg	100.8	83 - 127				06/08/11
Antimony	7440-36-0		174	mg/kg	192.9	62 - 205				06/08/11
Barium	7440-39-3		313	mg/kg	98.2	78 - 118				06/08/11
Beryllium	7440-41-7		84.8	mg/kg	94.8	77 - 120				06/08/11
Cadmium	7440-43-9		68.6	mg/kg	103.2	76 - 129				06/08/11
Chromium	7440-47-3		73.3	mg/kg	100.6	68 - 119				06/08/11
Cobalt	7440-48-4		72.8	mg/kg	99.6	77 - 122				06/08/11
Copper	7440-50-8		63.0	mg/kg	91.9	67 - 120				06/08/11
Vanadium	7440-62-2		86.0	mg/kg	103.6	67 - 122				06/08/11
Zinc	7440-66-6		175	mg/kg	98.9	73 - 131				06/08/11
Lead	7439-92-1		126	mg/kg	96.9	79 - 124				06/08/11
Mercury	7439-97-6		7.44	mg/kg	89.6	69 - 124				06/08/11
Strontium	7440-24-6		53.8	mg/kg	98.8	78 - 119				06/08/11
Thallium	7440-28-0		126	mg/kg	94.8	52 - 137				06/08/11
Tin	7440-31-5		180	mg/kg	103.9	84 - 130				06/08/11
Uranium	7440-61-1		390	mg/kg	97.4	86 - 113				06/08/11
Arsenic	7440-38-2		131	mg/kg	99.3	79 - 125				06/08/11

Quality Control Report

Attention Michael Neely
Department Inorganic

Group # WSCF112326

Analyte	CAS #	Original Found	QC Found	Units	% Recov	Limits	RPD	RPD Limit	RQ	Analyzed
Selenium	7782-49-2		165	mg/kg	102.6	82 - 133				06/08/11
MS			**QC Sample #56723**							
			Original 112305001							
Manganese	7439-96-5		120	mg/kg	120.6	70 - 130				06/08/11
Nickel	7440-02-0		96.9	mg/kg	97.1	70 - 130				06/08/11
Silver	7440-22-4		99.4	mg/kg	99.7	70 - 130				06/08/11
Antimony	7440-36-0		91.1	mg/kg	91.3	70 - 130				06/08/11
Barium	7440-39-3		127	mg/kg	127.6	70 - 130				06/08/11
Beryllium	7440-41-7		94.3	mg/kg	94.5	70 - 130				06/08/11
Cadmium	7440-43-9		99.7	mg/kg	100	70 - 130				06/08/11
Chromium	7440-47-3		97.2	mg/kg	97.4	70 - 130				06/08/11
Cobalt	7440-48-4		95.3	mg/kg	95.6	70 - 130				06/08/11
Copper	7440-50-8		94.9	mg/kg	95.2	70 - 130				06/08/11
Vanadium	7440-62-2		99.2	mg/kg	99.4	70 - 130				06/08/11
Zinc	7440-66-6		97.9	mg/kg	98.2	70 - 130				06/08/11
Lead	7439-92-1		99.1	mg/kg	99.3	70 - 130				06/08/11
Mercury	7439-97-6		1.95	mg/kg	98	70 - 130				06/08/11
Strontium	7440-24-6		105	mg/kg	104.9	70 - 130				06/08/11
Thallium	7440-28-0		97.2	mg/kg	97.4	70 - 130				06/08/11
Tin	7440-31-5		98.2	mg/kg	98.5	70 - 130				06/08/11
Uranium	7440-61-1		99.0	mg/kg	99.2	70 - 130				06/08/11
Arsenic	7440-38-2		100	mg/kg	100.6	70 - 130				06/08/11
Selenium	7782-49-2		99.5	mg/kg	99.7	70 - 130				06/08/11
MSD			**QC Sample #56724**							
			Original 112305001					**Paired**	**56723**	

Quality Control Report

Attention Michael Neely
Department Inorganic

Group # WSCF112326

Analyte	CAS #	Original Found	QC Found	Units	% Recov	Limits	RPD	RPD Limit	RQ	Analyzed
Manganese	7439-96-5		106	mg/kg	104.3	70 - 130	14.50	30		06/08/11
Nickel	7440-02-0		94.9	mg/kg	93.6	70 - 130	3.70	30		06/08/11
Silver	7440-22-4		98.0	mg/kg	96.7	70 - 130	3.10	30		06/08/11
Antimony	7440-36-0		88.0	mg/kg	86.8	70 - 130	5.10	30		06/08/11
Barium	7440-39-3		99.2	mg/kg	97.8	70 - 130	26.40	30		06/08/11
Beryllium	7440-41-7		97.7	mg/kg	96.4	70 - 130	2.00	30		06/08/11
Cadmium	7440-43-9		98.3	mg/kg	97	70 - 130	3.00	30		06/08/11
Chromium	7440-47-3		96.6	mg/kg	95.3	70 - 130	2.20	30		06/08/11
Cobalt	7440-48-4		94.2	mg/kg	92.9	70 - 130	2.90	30		06/08/11
Copper	7440-50-8		93.2	mg/kg	91.9	70 - 130	3.50	30		06/08/11
Vanadium	7440-62-2		97.9	mg/kg	96.6	70 - 130	2.90	30		06/08/11
Zinc	7440-66-6		96.5	mg/kg	95.2	70 - 130	3.10	30		06/08/11
Lead	7439-92-1		97.9	mg/kg	96.6	70 - 130	2.80	30		06/08/11
Mercury	7439-97-6		2.00	mg/kg	98.5	70 - 130	0.50	30		06/08/11
Strontium	7440-24-6		99.7	mg/kg	98.3	70 - 130	6.50	30		06/08/11
Thallium	7440-28-0		96.2	mg/kg	94.8	70 - 130	2.70	30		06/08/11
Tin	7440-31-5		98.1	mg/kg	96.7	70 - 130	1.80	30		06/08/11
Uranium	7440-61-1		99.9	mg/kg	98.5	70 - 130	0.70	30		06/08/11
Arsenic	7440-38-2		98.3	mg/kg	96.9	70 - 130	3.70	30		06/08/11
Selenium	7782-49-2		96.8	mg/kg	95.5	70 - 130	4.30	30		06/08/11

Quality Control Report

Attention Michael Neely
Department Organic, Semivolatiles

Group # WSCF112326

QC Batch 182757 **Test** Extractable Diesel and Petroleum
Associated Samples 112326012, 112326013, 112326014, 112326015, 112326016, 112326017, 112326018, 112326019, 112326020, 112326021, 112326022

Analyte	CAS #	Original Found	QC Found	Units	% Recov	Limits	RPD	RPD Limit	RQ	Analyzed
BLANK			**QC Sample #57102**							
Diesel	TPHDIESEL		<4	mg/kg					U	06/06/11
Kerosene	TPHKEROSE		<4	mg/kg					U	06/06/11
LCS			**QC Sample #57103**							
Diesel	TPHDIESEL		100	mg/kg	103.5	70 - 130				06/07/11
MS			**QC Sample #57104**							
			Original 112310001							
Diesel	TPHDIESEL		550	mg/kg	118.6	70 - 130				06/07/11
MSD			**QC Sample #57105**							
			Original 112310001					**Paired**	**57104**	
Diesel	TPHDIESEL		560	mg/kg	124.2	70 - 130	4.60	30		06/07/11

Quality Control Report

Attention Michael Neely
Department Organic, Semivolatiles

Group # WSCF112326

QC Batch 182764 **Test** SW-846 8270D Semivolatiles (PAHSIM)
Associated Samples 112326012, 112326013, 112326014, 112326015, 112326016, 112326017, 112326018, 112326019, 112326020, 112326021, 112326022

Analyte	CAS #	Original Found	QC Found	Units	% Recov Limits	RPD	RPD Limit	RQ	Analyzed
BLANK			**QC Sample #57127**						
Naphthalene	91-20-3		<200	ug/kg				U	06/07/11
Acenaphthylene	208-96-8		<200	ug/kg				U	06/07/11
Acenaphthene	83-32-9		<200	ug/kg				U	06/07/11
Fluorene	86-73-7		<200	ug/kg				U	06/07/11
Phenanthrene	85-01-8		<200	ug/kg				U	06/07/11
Anthracene	120-12-7		<200	ug/kg				U	06/07/11
Fluoranthene	206-44-0		<200	ug/kg				U	06/07/11
Pyrene	129-00-0		<200	ug/kg				U	06/07/11
Benzo(a)anthracene	56-55-3		<200	ug/kg				U	06/07/11
Chrysene	218-01-9		<200	ug/kg				U	06/07/11
Benzo(b)fluoranthene	205-99-2		<200	ug/kg				U	06/07/11
Benzo(k)fluoranthene	207-08-9		<200	ug/kg				U	06/07/11
Benzo(a)pyrene	50-32-8		<200	ug/kg				U	06/07/11
Indeno(1,2,3-cd)pyrene	193-39-5		<200	ug/kg				U	06/07/11
Dibenzo(a,h)anthracene	53-70-3		<200	ug/kg				U	06/07/11
Benzo(g,h,i)perylene	191-24-2		<200	ug/kg				U	06/07/11

Quality Control Report

Attention Michael Neely
Department Organic, Semivolatiles

Group # WSCF112326

Analyte	CAS #	Original Found	QC Found	Units	% Recov	Limits	RPD	RPD Limit	RQ	Analyzed
LCS			**QC Sample #57128**							
Naphthalene	91-20-3		5400	ug/kg	89.4	50 - 140				06/07/11
Acenaphthene	83-32-9		5300	ug/kg	88.6	75 - 121				06/07/11
Fluorene	86-73-7		5700	ug/kg	94.6	50 - 140				06/07/11
Anthracene	120-12-7		5400	ug/kg	89.8	50 - 140				06/07/11
Pyrene	129-00-0		5600	ug/kg	92.9	78 - 134				06/07/11
Benzo(a)pyrene	50-32-8		5100	ug/kg	84.5	50 - 140				06/07/11
MS			**QC Sample #57129**							
			Original 112324001							
Naphthalene	91-20-3		26000	ug/kg	101.2	50 - 140				06/07/11
Acenaphthene	83-32-9		26000	ug/kg	100.7	75 - 121				06/07/11
Fluorene	86-73-7		28000	ug/kg	108.9	50 - 140				06/07/11
Anthracene	120-12-7		27000	ug/kg	106.5	50 - 140				06/07/11
Pyrene	129-00-0		25000	ug/kg	99.8	78 - 124				06/07/11
Benzo(a)pyrene	50-32-8		25000	ug/kg	97.9	50 - 140				06/07/11
MSD			**QC Sample #57130**							
			Original 112324001						**Paired 57129**	
Naphthalene	91-20-3		32000	ug/kg	106.5	50 - 140	5.10	30		06/07/11
Acenaphthene	83-32-9		31000	ug/kg	105.5	75 - 121	4.70	30		06/07/11
Fluorene	86-73-7		34000	ug/kg	113.2	50 - 140	3.90	30		06/07/11
Anthracene	120-12-7		32000	ug/kg	107.8	50 - 140	1.20	30		06/07/11
Pyrene	129-00-0		34000	ug/kg	113.4	78 - 124	12.80	30		06/07/11
Benzo(a)pyrene	50-32-8		30000	ug/kg	101.7	50 - 140	3.80	30		06/07/11

Quality Control Report

Attention Michael Neely
Department Inorganic

Group # WSCF112326

QC Batch 182781 **Test** ICP-6010 - All possible metals
Associated Samples 112326012, 112326013, 112326014, 112326015, 112326016, 112326017, 112326018, 112326019, 112326020, 112326021

Analyte	CAS #	Original Found	QC Found	Units	% Recov	Limits	RPD	RPD Limit	RQ	Analyzed
BLANK			**QC Sample #57170**							
Lithium	7439-93-2		<5.0	ug/L					U	06/07/11
LCS			**QC Sample #57171**							
Lithium	7439-93-2		7.53	mg/kg	88.9	48 - 119				06/07/11
MS			**QC Sample #57172**							
			Original 112317013							
Lithium	7439-93-2		110	mg/kg	109.5	75 - 125				06/07/11
MSD			**QC Sample #57173**							
			Original 112317013					**Paired**	**57172**	
Lithium	7439-93-2		110	mg/kg	109.5	75 - 125	0.00	30		06/07/11

Quality Control Report

Attention Michael Neely
Department Inorganic

Group # WSCF112326

QC Batch 182861 **Test** ICP-2008 MS All possible metal
Associated Samples 112326012, 112326013, 112326014, 112326015, 112326016, 112326017, 112326018, 112326019, 112326020, 112326021

Analyte	CAS #	Original Found	QC Found	Units	% Recov	Limits	RPD	RPD Limit	RQ	Analyzed
LCS			**QC Sample #57210**							
Manganese	7439-96-5		407	mg/kg	90.9	75 - 121				06/03/11
Nickel	7440-02-0		53.4	mg/kg	97.1	74 - 122				06/03/11
Silver	7440-22-4		100	mg/kg	100.2	83 - 127				06/03/11
Antimony	7440-36-0		153	mg/kg	171.4	62 - 205				06/03/11
Barium	7440-39-3		290	mg/kg	91.9	78 - 118				06/03/11
Beryllium	7440-41-7		83.3	mg/kg	94.1	77 - 120				06/03/11
Cadmium	7440-43-9		64.3	mg/kg	97.7	76 - 129				06/03/11
Chromium	7440-47-3		69.1	mg/kg	95.9	68 - 119				06/03/11
Cobalt	7440-48-4		71.0	mg/kg	98.2	77 - 122				06/03/11
Copper	7440-50-8		61.8	mg/kg	91.2	67 - 120				06/03/11
Vanadium	7440-62-2		81.0	mg/kg	98.7	67 - 122				06/03/11
Zinc	7440-66-6		167	mg/kg	95.5	73 - 131				06/03/11
Lead	7439-92-1		122	mg/kg	95.2	79 - 124				06/03/11
Mercury	7439-97-6		7.28	mg/kg	88.7	69 - 124				06/03/11
Strontium	7440-24-6		50.2	mg/kg	93.3	78 - 119				06/03/11
Thallium	7440-28-0		120	mg/kg	91	52 - 137				06/03/11
Tin	7440-31-5		171	mg/kg	99.9	84 - 130				06/03/11
Uranium	7440-61-1		359	mg/kg	90.7	86 - 113				06/03/11
Arsenic	7440-38-2		123	mg/kg	94.5	79 - 125				06/03/11

Quality Control Report

Attention Michael Neely
Department Inorganic

Group # WSCF112326

Analyte	CAS #	Original Found	QC Found	Units	% Recov	Limits	RPD	RPD Limit	RQ	Analyzed
Selenium	7782-49-2		157	mg/kg	98.4	82 - 133				06/03/11
MS			**QC Sample #57211**							
			Original 112326012							
Manganese	7439-96-5	401	50.1	mg/kg	53.6	70 - 130			X	06/03/11
Nickel	7440-02-0	12.0	78.0	mg/kg	83.5	70 - 130				06/03/11
Silver	7440-22-4	<0.099	81.3	mg/kg	87	70 - 130				06/03/11
Antimony	7440-36-0	<0.30	80.3	mg/kg	85.9	70 - 130				06/03/11
Barium	7440-39-3	92.4	71.6	mg/kg	76.6	70 - 130				06/03/11
Beryllium	7440-41-7	0.392	77.9	mg/kg	83.4	70 - 130				06/03/11
Cadmium	7440-43-9	<0.099	82.3	mg/kg	88	70 - 130				06/03/11
Chromium	7440-47-3	7.83	82.0	mg/kg	87.8	70 - 130				06/03/11
Cobalt	7440-48-4	10.9	79.8	mg/kg	85.4	70 - 130				06/03/11
Copper	7440-50-8	15.7	78.0	mg/kg	83.5	70 - 130				06/03/11
Vanadium	7440-62-2	75.3	77.2	mg/kg	82.7	70 - 130				06/03/11
Zinc	7440-66-6	52.9	77.3	mg/kg	82.7	70 - 130				06/03/11
Lead	7439-92-1	5.05	80.9	mg/kg	86.6	70 - 130				06/03/11
Mercury	7439-97-6	<0.049	1.68	mg/kg	90	70 - 130				06/03/11
Strontium	7440-24-6	25.9	79.9	mg/kg	85.5	70 - 130				06/03/11
Thallium	7440-28-0	0.139	79.7	mg/kg	85.3	70 - 130				06/03/11
Tin	7440-31-5	0.517	82.8	mg/kg	88.6	70 - 130				06/03/11
Uranium	7440-61-1	0.612	83.9	mg/kg	89.8	70 - 130				06/03/11
Arsenic	7440-38-2	3.68	81.8	mg/kg	87.6	70 - 130				06/03/11
Selenium	7782-49-2	0.740	82.0	mg/kg	87.7	70 - 130				06/03/11
MSD			**QC Sample #57212**							
			Original 112326012					**Paired**	**57211**	

Quality Control Report

Attention Michael Neely
Department Inorganic

Group # WSCF112326

Analyte	CAS #	Original Found	QC Found	Units	% Recov	Limits	RPD	RPD Limit	RQ	Analyzed
Manganese	7439-96-5	401	57.7	mg/kg	63	70 - 130	16.10	30	X	06/03/11
Nickel	7440-02-0	12.0	80.0	mg/kg	87.3	70 - 130	4.40	30		06/03/11
Silver	7440-22-4	<0.099	84.3	mg/kg	92	70 - 130	5.60	30		06/03/11
Antimony	7440-36-0	<0.30	82.4	mg/kg	89.9	70 - 130	4.60	30		06/03/11
Barium	7440-39-3	92.4	82.2	mg/kg	89.7	70 - 130	15.80	30		06/03/11
Beryllium	7440-41-7	0.392	82.7	mg/kg	90.3	70 - 130	7.90	30		06/03/11
Cadmium	7440-43-9	<0.099	85.1	mg/kg	92.8	70 - 130	5.30	30		06/03/11
Chromium	7440-47-3	7.83	81.9	mg/kg	89.4	70 - 130	1.80	30		06/03/11
Cobalt	7440-48-4	10.9	80.8	mg/kg	88.2	70 - 130	3.20	30		06/03/11
Copper	7440-50-8	15.7	79.6	mg/kg	86.9	70 - 130	4.00	30		06/03/11
Vanadium	7440-62-2	75.3	81.0	mg/kg	88.4	70 - 130	6.70	30		06/03/11
Zinc	7440-66-6	52.9	80.8	mg/kg	88.2	70 - 130	6.40	30		06/03/11
Lead	7439-92-1	5.05	83.9	mg/kg	91.5	70 - 130	5.50	30		06/03/11
Mercury	7439-97-6	<0.049	1.76	mg/kg	96	70 - 130	6.50	30		06/03/11
Strontium	7440-24-6	25.9	84.8	mg/kg	92.6	70 - 130	8.00	30		06/03/11
Thallium	7440-28-0	0.139	82.8	mg/kg	90.3	70 - 130	5.70	30		06/03/11
Tin	7440-31-5	0.517	84.9	mg/kg	92.7	70 - 130	4.50	30		06/03/11
Uranium	7440-61-1	0.612	85.6	mg/kg	93.4	70 - 130	3.90	30		06/03/11
Arsenic	7440-38-2	3.68	84.1	mg/kg	91.8	70 - 130	4.70	30		06/03/11
Selenium	7782-49-2	0.740	84.6	mg/kg	92.3	70 - 130	5.10	30		06/03/11

Quality Control Report

Attention Michael Neely
Department Organic, Semivolatiles

Group # WSCF112326

QC Batch 182863 **Test** PCBs by EPA SW-846 Method 8082
Associated Samples 112326012, 112326013, 112326014, 112326015, 112326016, 112326017, 112326018, 112326019

Analyte	CAS #	Original Found	QC Found	Units	% Recov	Limits	RPD	RPD Limit	RQ	Analyzed
BLANK			**QC Sample #57220**							
Aroclor-1232	11141-16-5		<4	ug/kg					U	06/07/11
Aroclor-1242	53469-21-9		<4	ug/kg					U	06/07/11
Aroclor-1248	12672-29-6		<4	ug/kg					U	06/07/11
Aroclor-1260	11096-82-5		<4	ug/kg					U	06/07/11
LCS			**QC Sample #57221**							
Aroclor-1254	11097-69-1		77	ug/kg	96.2	75 - 128				06/07/11
MS			**QC Sample #57222**							
			Original 112310002							
Aroclor-1254	11097-69-1		390	ug/kg	105.1	62 - 140				06/07/11
MSD			**QC Sample #57223**							
			Original 112310002					**Paired 57222**		
Aroclor-1254	11097-69-1		380	ug/kg	103.7	62 - 140	1.30	30		06/07/11

Quality Control Report

Attention Michael Neely
Department Organic, Semivolatiles

Group # WSCF112326

QC Batch 182864
Associated Samples 112326020, 112326021, 112326022

Test PCBs by EPA SW-846 Method 8082

Analyte	CAS #	Original Found	QC Found	Units	% Recov	Limits	RPD	RPD Limit	RQ	Analyzed
BLANK			**QC Sample #57224**							
Aroclor-1232	11141-16-5		<4	ug/kg					U	06/07/11
Aroclor-1242	53469-21-9		<4	ug/kg					U	06/07/11
Aroclor-1248	12672-29-6		<4	ug/kg					U	06/07/11
Aroclor-1260	11096-82-5		<4	ug/kg					U	06/07/11
LCS			**QC Sample #57225**							
Aroclor-1254	11097-69-1		84	ug/kg	104.9	75 - 128				06/07/11
MS			**QC Sample #57226**							
			Original 112326020							
Aroclor-1254	11097-69-1	<5	390	ug/kg	108	62 - 140				06/07/11
MSD			**QC Sample #57227**							
			Original 112326020					**Paired**	**57226**	
Aroclor-1254	11097-69-1	<5	360	ug/kg	98	62 - 140	9.70	30		06/07/11

Quality Control Report

Attention Michael Neely
Department Inorganic

Group # WSCF112326

QC Batch 182960 **Test** Anions by Ion Chromatography (Solid)
Associated Samples 112326017, 112326018, 112326019, 112326020, 112326021, 112326022

Analyte	CAS #	Original Found	QC Found	Units	% Recov	Limits	RPD	RPD Limit	RQ	Analyzed
BLANK			**QC Sample #57257**							
Fluoride	16984-48-8		<0.044	ug/mL					U	06/02/11
Nitrate-N	NO3-N		<9.7E-3	ug/mL					U	06/02/11
LCS			**QC Sample #57258**							
Fluoride	16984-48-8		0.910	ug/mL	91.9	90 - 110				06/02/11
Nitrate-N	NO3-N		0.878	ug/mL	99.2	90 - 110				06/02/11
MS			**QC Sample #57259**							
			Original 112342003							
Fluoride	16984-48-8		21.4	mg/kg	85.4	80 - 120				06/02/11
Nitrate-N	NO3-N		21.9	mg/kg	97.7	80 - 120				06/02/11
MSD			**QC Sample #57260**							
			Original 112342003					**Paired**	**57259**	
Fluoride	16984-48-8		21.6	mg/kg	86.1	80 - 120	0.80	30		06/02/11
Nitrate-N	NO3-N		22.1	mg/kg	98.3	80 - 120	0.60	30		06/02/11
DUP			**QC Sample #57261**							
			Original 112342003							
Fluoride	16984-48-8		<1.8	mg/kg			17.40	30	U	06/02/11
Nitrate-N	NO3-N		<0.98	mg/kg			2.50	30	U	06/02/11

Quality Control Report

Attention Michael Neely
Department Inorganic

Group # WSCF112326

QC Batch 182963
Associated Samples 112326022

Test ICP-6010 - All possible metals

Analyte	CAS #	Original Found	QC Found	Units	% Recov	Limits	RPD	RPD Limit	RQ	Analyzed
BLANK			**QC Sample #57263**							
Lithium	7439-93-2		<5.0	ug/L					U	06/07/11
LCS			**QC Sample #57264**							
Lithium	7439-93-2		6.70	mg/kg	79.4	48 - 119				06/07/11
MS			**QC Sample #57265**							
			Original 112326022							
Lithium	7439-93-2	4.95	96.2	mg/kg	96.4	75 - 125				06/07/11
MSD			**QC Sample #57266**							
			Original 112326022					**Paired**	**57265**	
Lithium	7439-93-2	4.95	96.1	mg/kg	96.4	75 - 125	0.00	30		06/07/11

Quality Control Report

Attention Michael Neely
Department Inorganic

Group # WSCF112326

QC Batch 183054 **Test** Hexavalent chromium
Associated Samples 112326012, 112326013, 112326014, 112326015, 112326016, 112326017, 112326018, 112326019, 112326020, 112326021, 112326022

Analyte	CAS #	Original Found	QC Found	Units	% Recov	Limits	RPD	RPD Limit		RQ	Analyzed
BLANK			**QC Sample #57392**								
Hexavalent chromium	18540-29-9		<0.10	ug/g						U	06/03/11
LCS			**QC Sample #57393**								
Hexavalent chromium	18540-29-9		3.90	ug/g	97.6	80 - 120					06/03/11
DUP			**QC Sample #57394**								
			Original 112326012								
Hexavalent chromium	18540-29-9	0.0670	0.0378	ug/g			55.50	30	*	BX	06/03/11
MS			**QC Sample #57395**								
			Original 112326012								
Hexavalent chromium	18540-29-9	0.0670	3.57	ug/g	89.7	75 - 125					06/03/11
PSTSPK			**QC Sample #57396**								
Hexavalent chromium	18540-29-9		0.0454	ug/g	85.4	85 - 115					06/03/11
IMS			**QC Sample #57397**								
			Original 112326012								
Hexavalent chromium	18540-29-9	0.0670	319	ug/g	95.6	75 - 125					06/03/11

Quality Control Report

Attention Michael Neely
Department Inorganic

Group # WSCF112326

QC Batch 183169 **Test** Anions by Ion Chromatography (Solid)
Associated Samples 112326012, 112326013, 112326014, 112326015, 112326016

Analyte	CAS #	Original Found	QC Found	Units	% Recov	Limits	RPD	RPD Limit	RQ	Analyzed
BLANK			**QC Sample #57719**							
Fluoride	16984-48-8		<0.044	ug/mL					U	06/02/11
Nitrate-N	NO3-N		<9.7E-3	ug/mL					U	06/02/11
LCS			**QC Sample #57720**							
Fluoride	16984-48-8		0.906	ug/mL	91.5	90 - 110				06/02/11
Nitrate-N	NO3-N		0.875	ug/mL	98.9	90 - 110				06/02/11
MS			**QC Sample #57721**							
			Original 112342002							
Fluoride	16984-48-8		2.89	mg/kg	11.5	80 - 120			BN	06/02/11
Nitrate-N	NO3-N		20.3	mg/kg	90.8	80 - 120				06/02/11
MSD			**QC Sample #57722**							
			Original 112342002					**Paired**	**57721**	
Fluoride	16984-48-8		3.04	mg/kg	12.2	80 - 120	5.90	30	BN	06/02/11
Nitrate-N	NO3-N		21.8	mg/kg	97.5	80 - 120	7.10	30		06/02/11
DUP			**QC Sample #57723**							
			Original 112342002							
Fluoride	16984-48-8		<1.9	mg/kg			0.00	30	U	06/02/11
Nitrate-N	NO3-N		1.65	mg/kg			0.70	30	B	06/02/11

Quality Control Report

Attention Michael Neely
Department Inorganic

Group # WSCF112326

QC Batch 182643
Associated Samples 112326022

Test ICP-2008 MS All possible metal

Analyte	CAS #	Original Found	QC Found	Units	% Recov Limits	RPD	RPD Limit	RQ	Analyzed
BLANK			**QC Sample #56721**						
Manganese	7439-96-5		<0.10	ug/L				U	06/08/11
Nickel	7440-02-0		<0.20	ug/L				U	06/08/11
Silver	7440-22-4		<0.10	ug/L				U	06/08/11
Antimony	7440-36-0		<0.30	ug/L				U	06/08/11
Barium	7440-39-3		<0.20	ug/L				U	06/08/11
Beryllium	7440-41-7		<0.10	ug/L				U	06/08/11
Cadmium	7440-43-9		<0.10	ug/L				U	06/08/11
Chromium	7440-47-3		<0.50	ug/L				U	06/08/11
Cobalt	7440-48-4		<0.050	ug/L				U	06/08/11
Copper	7440-50-8		<0.10	ug/L				U	06/08/11
Vanadium	7440-62-2		<0.20	ug/L				U	06/08/11
Zinc	7440-66-6		<0.80	ug/L				U	06/08/11
Lead	7439-92-1		<0.10	ug/L				U	06/08/11
Mercury	7439-97-6		<0.050	ug/L				U	06/08/11
Strontium	7440-24-6		0.194	ug/L				B	06/08/11
Thallium	7440-28-0		<0.050	ug/L				U	06/08/11
Tin	7440-31-5		<0.050	ug/L				U	06/08/11
Uranium	7440-61-1		<0.050	ug/L				U	06/08/11
Arsenic	7440-38-2		<0.40	ug/L				U	06/08/11

Quality Control Report

Attention Michael Neely
Department Inorganic

Group # WSCF112326

Analyte	CAS #	Original Found	QC Found	Units	% Recov Limits	RPD	RPD Limit	RQ	Analyzed
Selenium	7782-49-2		<0.30	ug/L				U	06/08/11

Quality Control Report

Attention Michael Neely
Department Radiochemistry

Group # WSCF112326

QC Batch 182647 **Test** Strontium 89/90 (GPC/GEA)
Associated Samples 112326012, 112326013, 112326014, 112326015, 112326016, 112326017, 112326018

Analyte	CAS #	Original Found	QC Found	Units	% Recov	Limits	RPD	RPD Limit		RQ	Analyzed
BLANK			**QC Sample #56745**								
Strontium-89/90	SR-RAD		0.70	pCi/g						X	06/06/11
LCS			**QC Sample #56746**								
Strontium-89/90	SR-RAD		32	pCi/g	115.6	80 - 120					06/06/11
DUP			**QC Sample #56747**								
			Original 112326012								
Strontium-89/90	SR-RAD	-0.26	0.066	pCi/g			-336.30	30	*	U	06/06/11

Quality Control Report

Attention Michael Neely
Department Radiochemistry

Group # WSCF112326

QC Batch 182648
Associated Samples 112326019, 112326020, 112326021, 112326022

Test Strontium 89/90 (GPC/GEA)

Analyte	CAS #	Original Found	QC Found	Units	% Recov	Limits	RPD	RPD Limit		RQ	Analyzed
BLANK			**QC Sample #56748**								
Strontium-89/90	SR-RAD		1.2	pCi/g						X	06/06/11
LCS			**QC Sample #56749**								
Strontium-89/90	SR-RAD		35	pCi/g	126.6	80 - 120				X	06/06/11
DUP			**QC Sample #56750**								
			Original 112326019								
Strontium-89/90	SR-RAD	1.1	2.1	pCi/g			66.70	30	*	X	06/06/11

Quality Control Report

Attention Michael Neely
Department Radiochemistry

Group # WSCF112326

QC Batch 182652 **Test** Plutonium (AEA)
Associated Samples 112326012, 112326013, 112326014, 112326015, 112326016, 112326017, 112326018

Analyte	CAS #	Original Found	QC Found	Units	% Recov	Limits	RPD	RPD Limit		RQ	Analyzed
BLANK			**QC Sample #56762**								
Plutonium-238	13981-16-3		7.8E-3	pCi/g						U	06/03/11
Americium-241	14596-10-2		0.0090	pCi/g						U	06/03/11
Uranium-234	U-233/234		0.016	pCi/g						U	06/06/11
Plutonium-239/240	PU-239/240		0.017	pCi/g						X	06/03/11
Uranium-235	15117-96-1		4.4E-3	pCi/g						U	06/06/11
Uranium-238	U-238		4.1E-3	pCi/g						U	06/06/11
LCS			**QC Sample #56763**								
Americium-241	14596-10-2		24	pCi/sample	109.6	80 - 120					06/03/11
Uranium-234	U-233/234		34	pCi/sample	104.1	80 - 120					06/06/11
Plutonium-239/240	PU-239/240		21	pCi/sample	91.9	80 - 120					06/03/11
DUP			**QC Sample #56764**								
			Original 112326012								
Plutonium-238	13981-16-3	-4.9E-3	0.0030	pCi/g			-1000.00	30	*	U	06/03/11
Americium-241	14596-10-2	0.023	0.022	pCi/g			4.70	30			06/03/11
Uranium-234	U-233/234	0.13	0.16	pCi/g			28.60	30			06/06/11
Plutonium-239/240	PU-239/240	0.011	0.011	pCi/g			0.00	30		U	06/03/11
Uranium-235	15117-96-1	0.011	0.020	pCi/g			68.50	30	*	X	06/06/11
Uranium-238	U-238	0.16	0.14	pCi/g			0.00	30			06/06/11

Quality Control Report

Attention Michael Neely
Department Radiochemistry

Group # WSCF112326

QC Batch 182653
Associated Samples 112326019, 112326020, 112326021, 112326022

Test Americium/Curium (AEA)

Analyte	CAS #	Original Found	QC Found	Units	% Recov	Limits	RPD	RPD Limit		RQ	Analyzed
BLANK			**QC Sample #56765**								
Americium-241	14596-10-2		9.2E-3	pCi/g						U	06/06/11
Plutonium-238	13981-16-3		-7.4E-3	pCi/g						U	06/06/11
Uranium-234	U-233/234		0.012	pCi/g						U	06/06/11
Plutonium-239/240	PU-239/240		0.013	pCi/g						X	06/06/11
Uranium-235	15117-96-1		0.011	pCi/g						X	06/06/11
Uranium-238	U-238		5.3E-3	pCi/g						X	06/06/11
LCS			**QC Sample #56766**								
Americium-241	14596-10-2		24	pCi/sample	110.3	80 - 120					06/06/11
Uranium-234	U-233/234		36	pCi/sample	108.3	80 - 120					06/06/11
Plutonium-239/240	PU-239/240		25	pCi/sample	109.5	80 - 120					06/06/11
DUP			**QC Sample #56767**								
			Original 112326019								
Plutonium-238	13981-16-3	0.011	0.0030	pCi/g			107.70	30	*	U	06/06/11
Americium-241	14596-10-2	0.042	0.020	pCi/g			66.70	30	*	U	06/06/11
Plutonium-239/240	PU-239/240	0.020	0.016	pCi/g			17.10	30			06/06/11
Uranium-234	U-233/234	0.16	0.13	pCi/g			14.30	30			06/06/11
Uranium-235	15117-96-1	0.016	0.018	pCi/g			18.20	30			06/06/11
Uranium-238	U-238	0.16	0.15	pCi/g			6.50	30			06/06/11

Quality Control Report

Attention Michael Neely
Department Radiochemistry

Group # WSCF112326

QC Batch 182706 **Test** Gamma Energy Analysis-general
Associated Samples 112326012, 112326013, 112326014, 112326015, 112326016, 112326017, 112326018, 112326019, 112326020

Analyte	CAS #	Original Found	QC Found	Units	% Recov	Limits	RPD	RPD Limit		RQ	Analyzed
IBLANK			**QC Sample #56908**								
Cesium-137	10045-97-3		2.2E-3	pCi/g						U	06/01/11
Cobalt-60	10198-40-0		-3.1E-4	pCi/g						U	06/01/11
Europium-152	14683-23-9		-9.8E-3	pCi/g						U	06/01/11
Europium-154	15585-10-1		0.011	pCi/g						U	06/01/11
Europium-155	14391-16-3		4.4E-3	pCi/g						U	06/01/11
LCS			**QC Sample #56909**								
Cesium-137	10045-97-3		6500	pCi/sample	107.6	80 - 120					06/01/11
Cobalt-60	10198-40-0		10000	pCi/sample	104.8	80 - 120					06/01/11
DUP			**QC Sample #56910**								
			Original 112326012								
Cesium-137	10045-97-3	-0.022	7.6E-3	pCi/g			-400.00	30	*	U	06/01/11
Cobalt-60	10198-40-0	-1.2E-3	0.012	pCi/g			244.40	30	*	U	06/01/11
Europium-152	14683-23-9	-0.038	0.045	pCi/g			2600.00	30	*	U	06/01/11
Europium-154	15585-10-1	0.041	0.053	pCi/g			25.30	30		U	06/01/11
Europium-155	14391-16-3	0.23	0.11	pCi/g			62.50	30	*	U	06/01/11

Quality Control Report

Attention Michael Neely
Department Radiochemistry

Group # WSCF112326

QC Batch 182709
Associated Samples 112326021, 112326022

Test Gamma Energy Analysis-general

Analyte	CAS #	Original Found	QC Found	Units	% Recov	Limits	RPD	RPD Limit		RQ	Analyzed
IBLANK			**QC Sample #56921**								
Cesium-137	10045-97-3		3.2E-4	pCi/g						U	06/01/11
Cobalt-60	10198-40-0		2.1E-3	pCi/g						U	06/01/11
Europium-152	14683-23-9		-2.7E-3	pCi/g						U	06/01/11
Europium-154	15585-10-1		-0.0040	pCi/g						U	06/01/11
Europium-155	14391-16-3		-0.011	pCi/g						U	06/01/11
LCS			**QC Sample #56922**								
Cesium-137	10045-97-3		6500	pCi/sample	107.3	80 - 120					06/01/11
Cobalt-60	10198-40-0		10000	pCi/sample	104.1	80 - 120					06/01/11
DUP			**QC Sample #56923**								
			Original 112326021								
Cesium-137	10045-97-3	-7.8E-3	-0.020	pCi/g			-85.70	30	*	U	06/01/11
Cobalt-60	10198-40-0	0.015	-5.7E-3	pCi/g			436.40	30	*	U	06/01/11
Europium-152	14683-23-9	-0.064	-7.5E-3	pCi/g			-158.10	30	*	U	06/01/11
Europium-154	15585-10-1	-0.017	1.8E-4	pCi/g			-204.00	30	*	U	06/01/11
Europium-155	14391-16-3	0.042	0.077	pCi/g			60.60	30	*	U	06/01/11

Quality Control Report

Attention Michael Neely
Department Organic, Volatiles

Group # WSCF112326

QC Batch 182715 **Test** SW-846 8260B Volatiles, separate prep
Associated Samples 112326001, 112326002, 112326003, 112326004, 112326005, 112326006, 112326007, 112326008

Analyte	CAS #	Original Found	QC Found	Units	% Recov	Limits	RPD	RPD Limit	RQ	Analyzed
BLANK			**QC Sample #56939**							
1,1-Dichloroethene	75-35-4		<1	ug/kg					U	06/01/11
Trichloroethene	79-01-6		<1	ug/kg					U	06/01/11
Benzene	71-43-2		<1	ug/kg					U	06/01/11
Toluene	108-88-3		<1	ug/kg					U	06/01/11
Chlorobenzene	108-90-7		<1	ug/kg					U	06/01/11
Total Xylenes	1330-20-7		<1	ug/kg					U	06/01/11
Carbon tetrachloride	56-23-5		<1	ug/kg					U	06/01/11
LCS			**QC Sample #56940**							
1,1-Dichloroethene	75-35-4		30	ug/kg	119.2	50 - 131				06/01/11
Trichloroethene	79-01-6		20	ug/kg	78.8	66 - 119				06/01/11
Benzene	71-43-2		21	ug/kg	84	73 - 123				06/01/11
Toluene	108-88-3		22	ug/kg	88.8	77 - 128				06/01/11
Chlorobenzene	108-90-7		23	ug/kg	93.6	81 - 126				06/01/11
MS			**QC Sample #56941**							
			Original 112326001							
1,1-Dichloroethene	75-35-4	<1	32	ug/kg	110.4	75 - 125				06/01/11
Trichloroethene	79-01-6	<1	25	ug/kg	85.4	75 - 125				06/01/11
Benzene	71-43-2	<1	24	ug/kg	84.6	75 - 125				06/01/11

Quality Control Report

Attention Michael Neely
Department Organic, Volatiles

Group # WSCF112326

Analyte	CAS #	Original Found	QC Found	Units	% Recov	Limits	RPD	RPD Limit	RQ	Analyzed
Toluene	108-88-3	<1	26	ug/kg	89.5	75 - 125				06/01/11
Chlorobenzene	108-90-7	<1	26	ug/kg	89	75 - 125				06/01/11
MSD			**QC Sample #56942**							
			Original 112326001						**Paired 56941**	
1,1-Dichloroethene	75-35-4	<1	27	ug/kg	117.7	75 - 125	6.40	30		06/01/11
Trichloroethene	79-01-6	<1	19	ug/kg	82.8	75 - 125	3.10	30		06/01/11
Benzene	71-43-2	<1	20	ug/kg	85.1	75 - 125	0.60	30		06/01/11
Toluene	108-88-3	<1	21	ug/kg	88.2	75 - 125	1.50	30		06/01/11
Chlorobenzene	108-90-7	<1	22	ug/kg	93.4	75 - 125	4.80	30		06/01/11

Quality Control Report

Attention Michael Neely
Department Organic, Volatiles

Group # WSCF112326

QC Batch 182718
Associated Samples 112326009, 112326010, 112326011

Test SW-846 8260B Volatiles, separate prep

Analyte	CAS #	Original Found	QC Found	Units	% Recov	Limits	RPD	RPD Limit	RQ	Analyzed
BLANK			**QC Sample #56946**							
1,1-Dichloroethene	75-35-4		<1	ug/kg					U	06/03/11
Trichloroethene	79-01-6		<1	ug/kg					U	06/03/11
Benzene	71-43-2		<1	ug/kg					U	06/03/11
Toluene	108-88-3		<1	ug/kg					U	06/03/11
Chlorobenzene	108-90-7		<1	ug/kg					U	06/03/11
Total Xylenes	1330-20-7		<1	ug/kg					U	06/03/11
Carbon tetrachloride	56-23-5		<1	ug/kg					U	06/03/11
LCS			**QC Sample #56947**							
1,1-Dichloroethene	75-35-4		22	ug/kg	88.4	50 - 131				06/03/11
Trichloroethene	79-01-6		23	ug/kg	92.5	66 - 119				06/03/11
Benzene	71-43-2		22	ug/kg	90	73 - 123				06/03/11
Toluene	108-88-3		23	ug/kg	91.8	77 - 128				06/03/11
Chlorobenzene	108-90-7		23	ug/kg	90.6	81 - 126				06/03/11
MS			**QC Sample #56948**							
			Original 112326010							
1,1-Dichloroethene	75-35-4	<1	16	ug/kg	87.4	75 - 125				06/03/11
Trichloroethene	79-01-6	<1	20	ug/kg	105.8	75 - 125				06/03/11
Benzene	71-43-2	<1	18	ug/kg	94.8	75 - 125				06/03/11

Quality Control Report

Attention Michael Neely
Department Organic, Volatiles

Group # WSCF112326

Analyte	CAS #	Original Found	QC Found	Units	% Recov	Limits	RPD	RPD Limit	RQ	Analyzed
Toluene	108-88-3	<1	18	ug/kg	95.8	75 - 125				06/03/11
Chlorobenzene	108-90-7	<1	18	ug/kg	94.4	75 - 125				06/03/11
MSD			**QC Sample #56949**							
			Original 112326010					**Paired**	**56948**	
1,1-Dichloroethene	75-35-4	<1	22	ug/kg	84.6	75 - 125	3.20	30		06/03/11
Trichloroethene	79-01-6	<1	27	ug/kg	105.3	75 - 125	0.50	30		06/03/11
Benzene	71-43-2	<1	24	ug/kg	94.8	75 - 125	0.00	30		06/03/11
Toluene	108-88-3	<1	25	ug/kg	96.9	75 - 125	1.10	30		06/03/11
Chlorobenzene	108-90-7	<1	25	ug/kg	96.2	75 - 125	1.90	30		06/03/11

Quality Control Report

Attention Michael Neely
Department Radiochemistry

Group # WSCF112326

QC Batch 182749 **Test** TC99 by Liquid Scintillation
Associated Samples 112326012, 112326013, 112326014, 112326015, 112326016, 112326017, 112326018, 112326019, 112326020, 112326021, 112326022

Analyte	CAS #	Original Found	QC Found	Units	% Recov	Limits	RPD	RPD Limit		RQ	Analyzed
BLANK			**QC Sample #57088**								
Technetium-99	14133-76-7		-0.10	pCi/g						U	06/08/11
LCS			**QC Sample #57089**								
Technetium-99	14133-76-7		8.3	pCi/g	99.1	80 - 120					06/08/11
DUP			**QC Sample #57090**								
			Original 112326012								
Technetium-99	14133-76-7	-0.11	0.0	pCi/g			-200.00	30	*	U	06/08/11
MS			**QC Sample #57091**								
			Original 112326012								
Technetium-99	14133-76-7	-0.11	33	pCi/g	102.2	75 - 125					06/08/11

Quality Control Report

Attention Michael Neely
Department Inorganic

Group # WSCF112326

QC Batch 182861 **Test** ICP-2008 MS All possible metal
Associated Samples 112326012, 112326013, 112326014, 112326015, 112326016, 112326017, 112326018, 112326019, 112326020, 112326021

Analyte	CAS #	Original Found	QC Found	Units	% Recov Limits	RPD	RPD Limit	RQ	Analyzed
BLANK			**QC Sample #57209**						
Manganese	7439-96-5		<0.10	ug/L				U	06/03/11
Nickel	7440-02-0		<0.20	ug/L				U	06/03/11
Silver	7440-22-4		<0.10	ug/L				U	06/03/11
Antimony	7440-36-0		<0.30	ug/L				U	06/03/11
Barium	7440-39-3		<0.20	ug/L				U	06/03/11
Beryllium	7440-41-7		<0.10	ug/L				U	06/03/11
Cadmium	7440-43-9		<0.10	ug/L				U	06/03/11
Chromium	7440-47-3		<0.50	ug/L				U	06/03/11
Cobalt	7440-48-4		<0.050	ug/L				U	06/03/11
Copper	7440-50-8		<0.10	ug/L				U	06/03/11
Vanadium	7440-62-2		<0.20	ug/L				U	06/03/11
Zinc	7440-66-6		<0.80	ug/L				U	06/03/11
Lead	7439-92-1		<0.10	ug/L				U	06/03/11
Mercury	7439-97-6		<0.050	ug/L				U	06/03/11
Strontium	7440-24-6		<0.10	ug/L				U	06/03/11
Thallium	7440-28-0		<0.050	ug/L				U	06/03/11
Tin	7440-31-5		<0.050	ug/L				U	06/03/11
Uranium	7440-61-1		<0.050	ug/L				U	06/03/11
Arsenic	7440-38-2		<0.40	ug/L				U	06/03/11

Quality Control Report

Attention Michael Neely
Department Inorganic

Group # WSCF112326

Analyte	CAS #	Original Found	QC Found	Units	% Recov	Limits	RPD	RPD Limit	RQ	Analyzed
Selenium	7782-49-2		<0.30	ug/L					U	06/03/11

Quality Control Report

Attention Michael Neely
Department Organic, Semivolatiles

Group # WSCF112326

QC Batch 182863
Test PCBs by EPA SW-846 Method 8082
Associated Samples 112326012, 112326013, 112326014, 112326015, 112326016, 112326017, 112326018, 112326019

Analyte	CAS #	Original Found	QC Found	Units	% Recov	Limits	RPD	RPD Limit	RQ	Analyzed
BLANK			**QC Sample #57220**							
Aroclor-1016	12674-11-2		<4	ug/kg					U	06/07/11
Aroclor-1221	11104-28-2		<8	ug/kg					U	06/07/11
Aroclor-1254	11097-69-1		<4	ug/kg					U	06/07/11

Quality Control Report

Attention Michael Neely
Department Organic, Semivolatiles

Group # WSCF112326

QC Batch 182864
Associated Samples 112326020, 112326021, 112326022

Test PCBs by EPA SW-846 Method 8082

Analyte	CAS #	Original Found	QC Found	Units	% Recov Limits	RPD	RPD Limit	RQ	Analyzed
BLANK			**QC Sample #57224**						
Aroclor-1016	12674-11-2		<4	ug/kg				U	06/07/11
Aroclor-1221	11104-28-2		<8	ug/kg				U	06/07/11
Aroclor-1254	11097-69-1		<4	ug/kg				U	06/07/11

Quality Control Report

Attention Michael Neely
Department Radiochemistry

Group # WSCF112326

QC Batch 182647 **Test** Strontium 89/90 (GPC/GEA)
Associated Samples 112326012, 112326013, 112326014, 112326015, 112326016, 112326017, 112326018

Analyte	CAS #	Original Found	QC Found	Units	% Recov	Limits	RPD	RPD Limit	RQ	Analyzed
SAMPLE			**Sample #112326012**							
Strontium-85	13967-73-2				79.5	25 - 105				06/06/11
SAMPLE			**Sample #112326013**							
Strontium-85	13967-73-2				70.6	25 - 105				06/06/11
SAMPLE			**Sample #112326014**							
Strontium-85	13967-73-2				82.9	25 - 105				06/06/11
SAMPLE			**Sample #112326015**							
Strontium-85	13967-73-2				72.9	25 - 105				06/06/11
SAMPLE			**Sample #112326016**							
Strontium-85	13967-73-2				75.3	25 - 105				06/06/11
SAMPLE			**Sample #112326017**							
Strontium-85	13967-73-2				75.3	25 - 105				06/06/11
SAMPLE			**Sample #112326018**							
Strontium-85	13967-73-2				75.4	25 - 105				06/06/11

Quality Control Report

Attention Michael Neely
Department Radiochemistry

Group # WSCF112326

Analyte	CAS #	Original Found	QC Found	Units	% Recov	Limits	RPD	RPD Limit	RQ	Analyzed
BLANK			**QC Sample #56745**							
Strontium-85	13967-73-2				69.6	25 - 105				06/06/11
LCS			**QC Sample #56746**							
Strontium-85	13967-73-2				72.7	25 - 105				06/06/11
DUP			**QC Sample #56747**							
			Original 112326012							
Strontium-85	13967-73-2				84.3	25 - 105	9.50			06/06/11

Quality Control Report

Attention Michael Neely
Department Radiochemistry

Group # WSCF112326

QC Batch 182648
Associated Samples 112326019, 112326020, 112326021, 112326022

Test Strontium 89/90 (GPC/GEA)

Analyte	CAS #	Original Found	QC Found	Units	% Recov	Limits	RPD	RPD Limit	RQ	Analyzed
SAMPLE			**Sample #112326019**							
Strontium-85	13967-73-2				59.1	25 - 105				06/06/11
SAMPLE			**Sample #112326020**							
Strontium-85	13967-73-2				76.3	25 - 105				06/06/11
SAMPLE			**Sample #112326021**							
Strontium-85	13967-73-2				66.8	25 - 105				06/06/11
SAMPLE			**Sample #112326022**							
Strontium-85	13967-73-2				70.2	25 - 105				06/06/11
BLANK			**QC Sample #56748**							
Strontium-85	13967-73-2				71.3	25 - 105				06/06/11
LCS			**QC Sample #56749**							
Strontium-85	13967-73-2				63.9	25 - 105				06/06/11
DUP			**QC Sample #56750**							
			Original 112326019							
Strontium-85	13967-73-2				59.4	25 - 105	0.00			06/06/11

Quality Control Report

Attention Michael Neely
Department Radiochemistry

Group # WSCF112326

QC Batch 182652 **Test** Americium/Curium (AEA)
Associated Samples 112326012, 112326013, 112326014, 112326015, 112326016, 112326017, 112326018

Analyte	CAS #	Original Found	QC Found	Units	% Recov	Limits	RPD	RPD Limit	RQ	Analyzed
SAMPLE			**Sample #112326012**							
Americium-243 Tracer	14993-75-0				87.4	25 - 105				06/03/11
Uranium-232 Tracer	14158-29-3				88.6	25 - 105				06/06/11
Plutonium-242 Tracer	13982-10-0				82.9	25 - 105				06/03/11
SAMPLE			**Sample #112326013**							
Americium-243 Tracer	14993-75-0				86.7	25 - 105				06/03/11
Uranium-232 Tracer	14158-29-3				73.7	25 - 105				06/06/11
Plutonium-242 Tracer	13982-10-0				78.8	25 - 105				06/03/11
SAMPLE			**Sample #112326014**							
Americium-243 Tracer	14993-75-0				87.4	25 - 105				06/03/11
Uranium-232 Tracer	14158-29-3				74.4	25 - 105				06/06/11
Plutonium-242 Tracer	13982-10-0				81.8	25 - 105				06/03/11
SAMPLE			**Sample #112326015**							
Uranium-232 Tracer	14158-29-3				86.7	25 - 105				06/06/11
Americium-243 Tracer	14993-75-0				92	25 - 105				06/06/11
Plutonium-242 Tracer	13982-10-0				69.6	25 - 105				06/03/11
SAMPLE			**Sample #112326016**							

Quality Control Report

Attention Michael Neely
Department Radiochemistry

Group # WSCF112326

Analyte	CAS #	Original Found	QC Found	Units	% Recov	Limits	RPD	RPD Limit	RQ	Analyzed
Uranium-232 Tracer	14158-29-3				86.2	25 - 105				06/06/11
Americium-243 Tracer	14993-75-0				86.1	25 - 105				06/06/11
Plutonium-242 Tracer	13982-10-0				63.9	25 - 105				06/03/11
SAMPLE			**Sample #112326017**							
Americium-243 Tracer	14993-75-0				89	25 - 105				06/03/11
Uranium-232 Tracer	14158-29-3				76.4	25 - 105				06/06/11
Plutonium-242 Tracer	13982-10-0				80.2	25 - 105				06/03/11
SAMPLE			**Sample #112326018**							
Americium-243 Tracer	14993-75-0				85.2	25 - 105				06/03/11
Uranium-232 Tracer	14158-29-3				70.7	25 - 105				06/06/11
Plutonium-242 Tracer	13982-10-0				73.7	25 - 105				06/03/11
BLANK			**QC Sample #56762**							
Americium-243 Tracer	14993-75-0				88.8	25 - 105				06/03/11
Uranium-232 Tracer	14158-29-3				78.5	25 - 105				06/06/11
Plutonium-242 Tracer	13982-10-0				83.3	25 - 105				06/03/11
LCS			**QC Sample #56763**							
Americium-243 Tracer	14993-75-0				81.8	25 - 105				06/03/11
Uranium-232 Tracer	14158-29-3				65.2	25 - 105				06/06/11
Plutonium-242 Tracer	13982-10-0				84.5	25 - 105				06/03/11
DUP			**QC Sample #56764**							
			Original 112326012							
Americium-243 Tracer	14993-75-0				90.4	25 - 105	2.50			06/03/11

Quality Control Report

Attention Michael Neely
Department Radiochemistry

Group # WSCF112326

Analyte	CAS #	Original Found	QC Found	Units	% Recov	Limits	RPD	RPD Limit	RQ	Analyzed
Uranium-232 Tracer	14158-29-3				89.3	25 - 105	0.00			06/06/11
Plutonium-242 Tracer	13982-10-0				82.6	25 - 105	1.70			06/03/11

Quality Control Report

Attention Michael Neely
Department Radiochemistry

Group # WSCF112326

QC Batch 182653
Associated Samples 112326019, 112326020, 112326021, 112326022

Test Uranium (AEA)

Analyte	CAS #	Original Found	QC Found	Units	% Recov	Limits	RPD	RPD Limit	RQ	Analyzed
SAMPLE			**Sample #112326019**							
Uranium-232 Tracer	14158-29-3				76.9	25 - 105				06/06/11
Americium-243 Tracer	14993-75-0				91.1	25 - 105				06/06/11
Plutonium-242 Tracer	13982-10-0				85.1	25 - 105				06/06/11
SAMPLE			**Sample #112326020**							
Uranium-232 Tracer	14158-29-3				82.4	25 - 105				06/06/11
Americium-243 Tracer	14993-75-0				89.1	25 - 105				06/06/11
Plutonium-242 Tracer	13982-10-0				68.9	25 - 105				06/06/11
SAMPLE			**Sample #112326021**							
Uranium-232 Tracer	14158-29-3				95.3	25 - 105				06/06/11
Americium-243 Tracer	14993-75-0				98.4	25 - 105				06/06/11
Plutonium-242 Tracer	13982-10-0				88.4	25 - 105				06/06/11
SAMPLE			**Sample #112326022**							
Uranium-232 Tracer	14158-29-3				89.3	25 - 105				06/06/11
Americium-243 Tracer	14993-75-0				83.6	25 - 105				06/06/11
Plutonium-242 Tracer	13982-10-0				85.9	25 - 105				06/06/11
BLANK			**QC Sample #56765**							

Quality Control Report

Attention Michael Neely
Department Radiochemistry

Group # WSCF112326

Analyte	CAS #	Original Found	QC Found	Units	% Recov	Limits	RPD	RPD Limit	RQ	Analyzed
Uranium-232 Tracer	14158-29-3				73.4	25 - 105				06/06/11
Americium-243 Tracer	14993-75-0				89.6	25 - 105				06/06/11
Plutonium-242 Tracer	13982-10-0				86.9	25 - 105				06/06/11
LCS			**QC Sample #56766**							
Uranium-232 Tracer	14158-29-3				64.2	25 - 105				06/06/11
Americium-243 Tracer	14993-75-0				88.2	25 - 105				06/06/11
Plutonium-242 Tracer	13982-10-0				94.7	25 - 105				06/06/11
DUP			**QC Sample #56767**							
			Original	**112326019**						
Uranium-232 Tracer	14158-29-3				77.7	25 - 105	0.00			06/06/11
Americium-243 Tracer	14993-75-0				94.5	25 - 105	0.00			06/06/11
Plutonium-242 Tracer	13982-10-0				81.5	25 - 105	1.80			06/06/11

Quality Control Report

Attention Michael Neely
Department Organic, Volatiles

Group # WSCF112326

QC Batch 182715 **Test** SW-846 8260B Volatiles, separate prep
Associated Samples 112326001, 112326002, 112326003, 112326004, 112326005, 112326006, 112326007, 112326008

Analyte	CAS #	Original Found	QC Found	Units	% Recov	Limits	RPD	RPD Limit	RQ	Analyzed
SAMPLE			**Sample #112326001**							
1,2-Dichloroethane-d4	17060-07-0				123	77 - 137				06/01/11
Toluene-d8	2037-26-5				89.5	78 - 122				06/01/11
4-Bromofluorobenzene	460-00-4				80.6	66 - 125				06/01/11
SAMPLE			**Sample #112326002**							
1,2-Dichloroethane-d4	17060-07-0				119.2	77 - 137				06/01/11
Toluene-d8	2037-26-5				91.4	78 - 122				06/01/11
4-Bromofluorobenzene	460-00-4				83.7	66 - 125				06/01/11
SAMPLE			**Sample #112326003**							
1,2-Dichloroethane-d4	17060-07-0				119.8	77 - 137				06/01/11
Toluene-d8	2037-26-5				89.4	78 - 122				06/01/11
4-Bromofluorobenzene	460-00-4				77.2	66 - 125				06/01/11
SAMPLE			**Sample #112326004**							
1,2-Dichloroethane-d4	17060-07-0				115.7	77 - 137				06/01/11
Toluene-d8	2037-26-5				91.2	78 - 122				06/01/11

Quality Control Report

Attention Michael Neely
Department Organic, Volatiles

Group # WSCF112326

Analyte	CAS #	Original Found	QC Found	Units	% Recov	Limits	RPD	RPD Limit	RQ	Analyzed
4-Bromofluorobenzene	460-00-4				75.8	66 - 125				06/01/11
SAMPLE			**Sample #112326005**							
1,2-Dichloroethane-d4	17060-07-0				122.2	77 - 137				06/01/11
Toluene-d8	2037-26-5				90.4	78 - 122				06/01/11
4-Bromofluorobenzene	460-00-4				79.7	66 - 125				06/01/11
SAMPLE			**Sample #112326006**							
1,2-Dichloroethane-d4	17060-07-0				115.4	77 - 137				06/01/11
Toluene-d8	2037-26-5				89.5	78 - 122				06/01/11
4-Bromofluorobenzene	460-00-4				78.9	66 - 125				06/01/11
SAMPLE			**Sample #112326007**							
1,2-Dichloroethane-d4	17060-07-0				123.8	77 - 137				06/01/11
Toluene-d8	2037-26-5				89.2	78 - 122				06/01/11
4-Bromofluorobenzene	460-00-4				77.5	66 - 125				06/01/11
SAMPLE			**Sample #112326008**							
1,2-Dichloroethane-d4	17060-07-0				121.3	77 - 137				06/01/11
Toluene-d8	2037-26-5				90.4	78 - 122				06/01/11
4-Bromofluorobenzene	460-00-4				77.8	66 - 125				06/01/11
BLANK			**QC Sample #56939**							

Quality Control Report

Attention Michael Neely
Department Organic, Volatiles

Group # WSCF112326

Analyte	CAS #	Original Found	QC Found	Units	% Recov	Limits	RPD	RPD Limit	RQ	Analyzed
1,2-Dichloroethane-d4	17060-07-0				122.5	77 - 137				06/01/11
Toluene-d8	2037-26-5				86.8	78 - 122				06/01/11
4-Bromofluorobenzene	460-00-4				83	66 - 125				06/01/11
LCS			**QC Sample #56940**							
1,2-Dichloroethane-d4	17060-07-0				110.5	77 - 137				06/01/11
Toluene-d8	2037-26-5				97.1	78 - 122				06/01/11
4-Bromofluorobenzene	460-00-4				109.9	66 - 125				06/01/11
MS			**QC Sample #56941**							
			Original	**112326001**						
1,2-Dichloroethane-d4	17060-07-0				117.6	77 - 137				06/01/11
Toluene-d8	2037-26-5				96.3	78 - 122				06/01/11
4-Bromofluorobenzene	460-00-4				109	66 - 125				06/01/11
MSD			**QC Sample #56942**							
			Original	**112326001**					**Paired**	**56941**
1,2-Dichloroethane-d4	17060-07-0				118	77 - 137	0.30	30		06/01/11
Toluene-d8	2037-26-5				97.4	78 - 122	1.10	30		06/01/11
4-Bromofluorobenzene	460-00-4				107.8	66 - 125	1.10	30		06/01/11

Quality Control Report

Attention Michael Neely
Department Organic, Volatiles

Group # WSCF112326

QC Batch 182718
Associated Samples 112326009, 112326010, 112326011

Test SW-846 8260B Volatiles, separate prep

Analyte	CAS #	Original Found	QC Found	Units	% Recov	Limits	RPD	RPD Limit	RQ	Analyzed
SAMPLE			**Sample #112326009**							
1,2-Dichloroethane-d4	17060-07-0				100.8	77 - 137				06/03/11
Toluene-d8	2037-26-5				97.1	78 - 122				06/03/11
4-Bromofluorobenzene	460-00-4				97.7	66 - 125				06/03/11
SAMPLE			**Sample #112326010**							
1,2-Dichloroethane-d4	17060-07-0				102.6	77 - 137				06/03/11
Toluene-d8	2037-26-5				97.3	78 - 122				06/03/11
4-Bromofluorobenzene	460-00-4				98.3	66 - 125				06/03/11
SAMPLE			**Sample #112326011**							
1,2-Dichloroethane-d4	17060-07-0				101.3	77 - 137				06/03/11
Toluene-d8	2037-26-5				97.5	78 - 122				06/03/11
4-Bromofluorobenzene	460-00-4				96.8	66 - 125				06/03/11
BLANK			**QC Sample #56946**							
1,2-Dichloroethane-d4	17060-07-0				97.9	77 - 137				06/03/11
Toluene-d8	2037-26-5				97.4	78 - 122				06/03/11

Quality Control Report

Attention Michael Neely
Department Organic, Volatiles

Group # WSCF112326

Analyte	CAS #	Original Found	QC Found	Units	% Recov	Limits	RPD	RPD Limit	RQ	Analyzed
4-Bromofluorobenzene	460-00-4				99	66 - 125				06/03/11
LCS			**QC Sample #56947**							
1,2-Dichloroethane-d4	17060-07-0				95	77 - 137				06/03/11
Toluene-d8	2037-26-5				97	78 - 122				06/03/11
4-Bromofluorobenzene	460-00-4				98.5	66 - 125				06/03/11
MS			**QC Sample #56948**							
			Original	**112326010**						
1,2-Dichloroethane-d4	17060-07-0				100.1	77 - 137				06/03/11
Toluene-d8	2037-26-5				97.2	78 - 122				06/03/11
4-Bromofluorobenzene	460-00-4				98.6	66 - 125				06/03/11
MSD			**QC Sample #56949**							
			Original	**112326010**				**Paired**	**56948**	
1,2-Dichloroethane-d4	17060-07-0				99.2	77 - 137	0.90	30		06/03/11
Toluene-d8	2037-26-5				97.3	78 - 122	0.10	30		06/03/11
4-Bromofluorobenzene	460-00-4				98.1	66 - 125	0.50	30		06/03/11

Quality Control Report

Attention Michael Neely
Department Organic, Semivolatiles

Group # WSCF112326

QC Batch 182757 **Test** Extractable Diesel and Petroleum
Associated Samples 112326012, 112326013, 112326014, 112326015, 112326016, 112326017, 112326018, 112326019, 112326020, 112326021, 112326022

Analyte	CAS #	Original Found	QC Found	Units	% Recov	Limits	RPD	RPD Limit	RQ	Analyzed
SAMPLE			**Sample #112326012**							
o-Terphenyl	84-15-1				95.1	70 - 130				06/07/11
SAMPLE			**Sample #112326013**							
o-Terphenyl	84-15-1				92.4	70 - 130				06/07/11
SAMPLE			**Sample #112326014**							
o-Terphenyl	84-15-1				106.3	70 - 130				06/07/11
SAMPLE			**Sample #112326015**							
o-Terphenyl	84-15-1				98.4	70 - 130				06/07/11
SAMPLE			**Sample #112326016**							
o-Terphenyl	84-15-1				103.6	70 - 130				06/07/11
SAMPLE			**Sample #112326017**							
o-Terphenyl	84-15-1				97.1	70 - 130				06/07/11
SAMPLE			**Sample #112326018**							
o-Terphenyl	84-15-1				107.4	70 - 130				06/07/11

Quality Control Report

Attention Michael Neely
Department Organic, Semivolatiles

Group # WSCF112326

Analyte	CAS #	Original Found	QC Found	Units	% Recov	Limits	RPD	RPD Limit	RQ	Analyzed
SAMPLE			**Sample #112326019**							
o-Terphenyl	84-15-1				102.7	70 - 130				06/07/11
SAMPLE			**Sample #112326020**							
o-Terphenyl	84-15-1				98	70 - 130				06/07/11
SAMPLE			**Sample #112326021**							
o-Terphenyl	84-15-1				90.3	70 - 130				06/07/11
SAMPLE			**Sample #112326022**							
o-Terphenyl	84-15-1				100.8	70 - 130				06/07/11
BLANK			**QC Sample #57102**							
o-Terphenyl	84-15-1				100.8	70 - 130				06/06/11
LCS			**QC Sample #57103**							
o-Terphenyl	84-15-1				90.3	50 - 150				06/07/11
MS			**QC Sample #57104**							
			Original 112310001							
o-Terphenyl	84-15-1				90	50 - 150				06/07/11
MSD			**QC Sample #57105**							
			Original 112310001					**Paired**	**57104**	
o-Terphenyl	84-15-1				95.5	50 - 150	5.90	30		06/07/11

Quality Control Report

Attention Michael Neely
Department Organic, Semivolatiles

Group # WSCF112326

QC Batch 182764 **Test** SW-846 8270D Semivolatiles (PAHSIM)
Associated Samples 112326012, 112326013, 112326014, 112326015, 112326016, 112326017, 112326018, 112326019, 112326020, 112326021, 112326022

Analyte	CAS #	Original Found	QC Found	Units	% Recov	Limits	RPD	RPD Limit	RQ	Analyzed
SAMPLE			**Sample #112326012**							
Nitrobenzene-d5	4165-60-0				92.4	53 - 129				06/07/11
2-Fluorobiphenyl	321-60-8				106.5	36 - 141				06/07/11
Terphenyl-d14	98904-43-9				111.6	61 - 142				06/07/11
SAMPLE			**Sample #112326013**							
Nitrobenzene-d5	4165-60-0				92.5	53 - 129				06/07/11
2-Fluorobiphenyl	321-60-8				111.2	36 - 141				06/07/11
Terphenyl-d14	98904-43-9				122.3	61 - 142				06/07/11
SAMPLE			**Sample #112326014**							
Nitrobenzene-d5	4165-60-0				102.2	53 - 129				06/07/11
2-Fluorobiphenyl	321-60-8				122.4	36 - 141				06/07/11
Terphenyl-d14	98904-43-9				134.8	61 - 142				06/07/11
SAMPLE			**Sample #112326015**							
Nitrobenzene-d5	4165-60-0				102.3	53 - 129				06/07/11
2-Fluorobiphenyl	321-60-8				120.6	36 - 141				06/07/11
Terphenyl-d14	98904-43-9				128.2	61 - 142				06/07/11

Quality Control Report

Attention Michael Neely
Department Organic, Semivolatiles

Group # WSCF112326

Analyte	CAS #	Original Found	QC Found	Units	% Recov	Limits	RPD	RPD Limit	RQ	Analyzed
SAMPLE			**Sample #112326016**							
Nitrobenzene-d5	4165-60-0				98.4	53 - 129				06/07/11
2-Fluorobiphenyl	321-60-8				118.7	36 - 141				06/07/11
Terphenyl-d14	98904-43-9				131.4	61 - 142				06/07/11
SAMPLE			**Sample #112326017**							
Nitrobenzene-d5	4165-60-0				98.8	53 - 129				06/07/11
2-Fluorobiphenyl	321-60-8				119.6	36 - 141				06/07/11
Terphenyl-d14	98904-43-9				134.3	61 - 142				06/07/11
SAMPLE			**Sample #112326018**							
Nitrobenzene-d5	4165-60-0				103.1	53 - 129				06/07/11
2-Fluorobiphenyl	321-60-8				124.8	36 - 141				06/07/11
Terphenyl-d14	98904-43-9				138.2	61 - 142				06/07/11
SAMPLE			**Sample #112326019**							
Nitrobenzene-d5	4165-60-0				108.2	53 - 129				06/07/11
2-Fluorobiphenyl	321-60-8				121.8	36 - 141				06/07/11
Terphenyl-d14	98904-43-9				138.3	61 - 142				06/07/11
SAMPLE			**Sample #112326020**							
Nitrobenzene-d5	4165-60-0				114.4	53 - 129				06/08/11
2-Fluorobiphenyl	321-60-8				119.2	36 - 141				06/08/11
Terphenyl-d14	98904-43-9				137.4	61 - 142				06/08/11

Quality Control Report

Attention Michael Neely
Department Organic, Semivolatiles

Group # WSCF112326

Analyte	CAS #	Original Found	QC Found	Units	% Recov	Limits	RPD	RPD Limit	RQ	Analyzed
SAMPLE			**Sample #112326021**							
Nitrobenzene-d5	4165-60-0				98.9	53 - 129				06/08/11
2-Fluorobiphenyl	321-60-8				105.3	36 - 141				06/08/11
Terphenyl-d14	98904-43-9				118.4	61 - 142				06/08/11
SAMPLE			**Sample #112326022**							
Nitrobenzene-d5	4165-60-0				107.8	53 - 129				06/08/11
2-Fluorobiphenyl	321-60-8				120.2	36 - 141				06/08/11
Terphenyl-d14	98904-43-9				135.9	61 - 142				06/08/11
BLANK			**QC Sample #57127**							
Nitrobenzene-d5	4165-60-0				112.5	53 - 129				06/07/11
2-Fluorobiphenyl	321-60-8				123.9	36 - 141				06/07/11
Terphenyl-d14	98904-43-9				133.7	61 - 142				06/07/11
LCS			**QC Sample #57128**							
Nitrobenzene-d5	4165-60-0				92.8	53 - 129				06/07/11
2-Fluorobiphenyl	321-60-8				99.7	36 - 141				06/07/11
Terphenyl-d14	98904-43-9				102.3	61 - 142				06/07/11
MS			**QC Sample #57129**							
			Original	**112324001**						
Nitrobenzene-d5	4165-60-0				104.8	53 - 129				06/07/11
2-Fluorobiphenyl	321-60-8				114.5	36 - 141				06/07/11
Terphenyl-d14	98904-43-9				113.8	61 - 142				06/07/11

Quality Control Report

Attention Michael Neely
Department Organic, Semivolatiles

Group # WSCF112326

Analyte	CAS #	Original Found	QC Found	Units	% Recov	Limits	RPD	RPD Limit	RQ	Analyzed
MSD			**QC Sample #57130**							
			Original	**112324001**				**Paired**	**57129**	
Nitrobenzene-d5	4165-60-0				107.7	53 - 129	2.70			06/07/11
2-Fluorobiphenyl	321-60-8				116.6	36 - 141	1.80			06/07/11
Terphenyl-d14	98904-43-9				123.1	61 - 142	7.90			06/07/11

Quality Control Report

Attention Michael Neely
Department Organic, Semivolatiles

Group # WSCF112326

QC Batch 182863 **Test** PCBs by EPA SW-846 Method 8082
Associated Samples 112326012, 112326013, 112326014, 112326015, 112326016, 112326017, 112326018, 112326019

Analyte	CAS #	Original Found	QC Found	Units	% Recov	Limits	RPD	RPD Limit	RQ	Analyzed
SAMPLE			**Sample #112326012**							
Tetrachloro-m-xylene	877-09-8				97	60 - 140				06/08/11
Decachlorobiphenyl	2051-24-3				123.6	60 - 140				06/08/11
SAMPLE			**Sample #112326013**							
Tetrachloro-m-xylene	877-09-8				101.1	60 - 140				06/08/11
Decachlorobiphenyl	2051-24-3				127.1	60 - 140				06/08/11
SAMPLE			**Sample #112326014**							
Tetrachloro-m-xylene	877-09-8				97	60 - 140				06/08/11
Decachlorobiphenyl	2051-24-3				119.9	60 - 140				06/08/11
SAMPLE			**Sample #112326015**							
Tetrachloro-m-xylene	877-09-8				94.6	60 - 140				06/08/11
Decachlorobiphenyl	2051-24-3				119.8	60 - 140				06/08/11
SAMPLE			**Sample #112326016**							
Tetrachloro-m-xylene	877-09-8				93.1	60 - 140				06/08/11
Decachlorobiphenyl	2051-24-3				119.9	60 - 140				06/08/11
SAMPLE			**Sample #112326017**							

Quality Control Report

Attention Michael Neely
Department Organic, Semivolatiles

Group # WSCF112326

Analyte	CAS #	Original Found	QC Found	Units	% Recov	Limits	RPD	RPD Limit	RQ	Analyzed
Tetrachloro-m-xylene	877-09-8				100.4	60 - 140				06/08/11
Decachlorobiphenyl	2051-24-3				124.1	60 - 140				06/08/11
SAMPLE			**Sample #112326018**							
Tetrachloro-m-xylene	877-09-8				79.5	60 - 140				06/08/11
Decachlorobiphenyl	2051-24-3				95.7	60 - 140				06/08/11
SAMPLE			**Sample #112326019**							
Tetrachloro-m-xylene	877-09-8				94.3	60 - 140				06/08/11
Decachlorobiphenyl	2051-24-3				117.3	60 - 140				06/08/11
BLANK			**QC Sample #57220**							
Tetrachloro-m-xylene	877-09-8				91.7	60 - 140				06/07/11
Decachlorobiphenyl	2051-24-3				116.9	60 - 140				06/07/11
LCS			**QC Sample #57221**							
Tetrachloro-m-xylene	877-09-8				90.9	60 - 124				06/07/11
Decachlorobiphenyl	2051-24-3				118.4	72 - 125				06/07/11
MS			**QC Sample #57222**							
			Original 112310002							
Tetrachloro-m-xylene	877-09-8				95.9	51 - 120				06/07/11
Decachlorobiphenyl	2051-24-3				123.8	66 - 126				06/07/11
MSD			**QC Sample #57223**							
			Original 112310002					**Paired**	**57222**	
Tetrachloro-m-xylene	877-09-8				92.1	51 - 120	4.00			06/07/11
Decachlorobiphenyl	2051-24-3				120.7	66 - 126	2.50			06/07/11

Quality Control Report

Attention Michael Neely
Department Organic, Semivolatiles

Group # WSCF112326

QC Batch 182864
Associated Samples 112326020, 112326021, 112326022

Test PCBs by EPA SW-846 Method 8082

Analyte	CAS #	Original Found	QC Found	Units	% Recov	Limits	RPD	RPD Limit	RQ	Analyzed
SAMPLE			**Sample #112326020**							
Tetrachloro-m-xylene	877-09-8				104.4	60 - 140				06/07/11
Decachlorobiphenyl	2051-24-3				124.5	60 - 140				06/07/11
SAMPLE			**Sample #112326021**							
Tetrachloro-m-xylene	877-09-8				90	60 - 140				06/07/11
Decachlorobiphenyl	2051-24-3				110	60 - 140				06/07/11
SAMPLE			**Sample #112326022**							
Tetrachloro-m-xylene	877-09-8				88	60 - 140				06/07/11
Decachlorobiphenyl	2051-24-3				109.8	60 - 140				06/07/11
BLANK			**QC Sample #57224**							
Tetrachloro-m-xylene	877-09-8				88.1	60 - 140				06/07/11
Decachlorobiphenyl	2051-24-3				103.4	60 - 140				06/07/11
LCS			**QC Sample #57225**							
Tetrachloro-m-xylene	877-09-8				87.9	60 - 124				06/07/11
Decachlorobiphenyl	2051-24-3				109.7	72 - 125				06/07/11
MS			**QC Sample #57226**							
			Original 112326020							

Quality Control Report

Attention Michael Neely
Department Organic, Semivolatiles

Group # WSCF112326

Analyte	CAS #	Original Found	QC Found	Units	% Recov	Limits	RPD	RPD Limit	RQ	Analyzed
Tetrachloro-m-xylene	877-09-8				89.5	51 - 120				06/07/11
Decachlorobiphenyl	2051-24-3				110.1	66 - 126				06/07/11
MSD			**QC Sample #57227**							
			Original	**112326020**				**Paired**	**57226**	
Tetrachloro-m-xylene	877-09-8				95.2	51 - 120	6.20			06/07/11
Decachlorobiphenyl	2051-24-3				114.1	66 - 126	3.60			06/07/11

Analytical Comment Report

Attention: Michael Neely

Group # WSCF112326

Quality Control Comments

Department Inorganic

57211 B2F039(112326012MS)

Analyte Manganese - ICP-2008 MS All possible metal

[1] X5: Sample concentration exceed spiking level by a factor of 4. Spike recoveries are not valid.

57212 B2F039(112326012MSD)

Analyte Manganese - ICP-2008 MS All possible metal

[1] X5: Sample concentration exceed spiking level by a factor of 4. Spike recoveries are not valid.

57394 B2F039(112326012DUP)

Analyte Hexavalent chromium - Hexavalent chromium

[1] Duplicate is flagged for RPD out-of-limits. RPD does not apply to samples concentrations below the calibration range. RPD is calculated on measured values and not applicable for a result below the RDL.

Quality Control Comments

Department Radiochemistry

56745 BLANK for HBN 182647 [RADP/535

Analyte Strontium-89/90 - Strontium 89/90 (GPC/GEA)

[1] The blank is less than 2X the MDC and is acceptable.

56748 BLANK for HBN 182648 [RADP/535

Analyte Strontium-89/90 - Strontium 89/90 (GPC/GEA)

[1] The Blank is less than 5X the MDC and is acceptable, per S&GRP SOW.

56749 LCS for HBN 182648 [RADP/5355]

Analyte Strontium-89/90 - Strontium 89/90 (GPC/GEA)

[1] The LCS is flagged for a high recovery, but is within the statement of work that allows a range from 70-130%. LMK

56750 B2F046(112326019DUP)

Analyte Strontium-89/90 - Strontium 89/90 (GPC/GEA)

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

56762 BLANK for HBN 182652 [RADP/535

Analyte Plutonium-239/240 - Plutonium (AEA)

[1] The Blank is flagged outside of default control limits. Control limits do not apply when the blank activity is less than 5% of the measured activity present in the associated samples.

56764 B2F039(112326012DUP)

Analyte Uranium-235 - Uranium (AEA)

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

56765 BLANK for HBN 182653 [RADP/535

Analyte Plutonium-239/240 - Plutonium (AEA)

[1] The Blank is less than the TPU plus the MDC and has been accpted by the scientist. STH

Analyte Uranium-235 - Uranium (AEA)

[1] The blank is less than 2X the RDL and is acceptable, per S&GRP SOW

Analyte Uranium-238 - Uranium (AEA)

[1] The blank is less than 2X the RDL and is acceptable, per S&GRP SOW

ATTACHMENT4

SAMPLE RECEIPT

Consisting of 48 pages
Including cover page

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

ACKNOWLEDGEMENT OF SAMPLES RECEIVED

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

ATTN: Michael Neely

Customer Code: CHPRC
PO #: 401352/ES20
Work Order #: 112326
Profile #: F11-127-015
Proj. Mgr.:
Phone:

The following samples were received from you on 5/25/2011 2:50:00 PM. They have been scheduled for the tests listed beside each sample. If this information is incorrect, please contact your service representative. Thank you for using Waste Sampling and Characterization Facility.

Sample #	Sample ID	Matrix	Collected	Received
		Tests scheduled		
112326001	B2F025	SOIL	5/25/2011 10:20	5/25/2011 14:50
		8260V-S; DRY-WEIGHT		
112326002	B2F026	SOIL	5/25/2011 10:30	5/25/2011 14:50
		8260V-S; DRY-WEIGHT		
112326003	B2F027	SOIL	5/25/2011 10:30	5/25/2011 14:50
		8260V-S; DRY-WEIGHT		
112326004	B2F028	SOIL	5/25/2011 10:40	5/25/2011 14:50
		8260V-S; DRY-WEIGHT		
112326005	B2F029	SOIL	5/25/2011 10:45	5/25/2011 14:50
		8260V-S; DRY-WEIGHT		
112326006	B2F030	SOIL	5/25/2011 10:45	5/25/2011 14:50
		8260V-S; DRY-WEIGHT		
112326007	B2F031	SOIL	5/25/2011 10:52	5/25/2011 14:50
		8260V-S; DRY-WEIGHT		
112326008	B2F032	SOIL	5/25/2011 11:10	5/25/2011 14:50
		8260V-S; DRY-WEIGHT		
112326009	B2F033	SOIL	5/25/2011 11:15	5/25/2011 14:50
		8260V-S; DRY-WEIGHT		
112326010	B2F034	SOIL	5/25/2011 11:25	5/25/2011 14:50
		8260V-S; DRY-WEIGHT		
112326011	B2F035	SOIL	5/25/2011 11:25	5/25/2011 14:50

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

		8260V-S; DRY-WEIGHT		
112326012	B2F039	SOIL	5/25/2011 10:20	5/25/2011 14:50
		2008-S; 6010-S; AEA-AM-S; AEA-PU-S; AEA-U-S; CR6-S; DRY-WEIGHT; GEA-S; IC-S; PAHSIM-S; PCB-SA; SR89/90-S; TC99-S; TPHDWA-S		
112326013	B2F040	SOIL	5/25/2011 10:30	5/25/2011 14:50
		2008-S; 6010-S; AEA-AM-S; AEA-PU-S; AEA-U-S; CR6-S; DRY-WEIGHT; GEA-S; IC-S; PAHSIM-S; PCB-SA; SR89/90-S; TC99-S; TPHDWA-S		
112326014	B2F041	SOIL	5/25/2011 10:30	5/25/2011 14:50
		2008-S; 6010-S; AEA-AM-S; AEA-PU-S; AEA-U-S; CR6-S; DRY-WEIGHT; GEA-S; IC-S; PAHSIM-S; PCB-SA; SR89/90-S; TC99-S; TPHDWA-S		
112326015	B2F042	SOIL	5/25/2011 10:40	5/25/2011 14:50
		2008-S; 6010-S; AEA-AM-S; AEA-PU-S; AEA-U-S; CR6-S; DRY-WEIGHT; GEA-S; IC-S; PAHSIM-S; PCB-SA; SR89/90-S; TC99-S; TPHDWA-S		
112326016	B2F043	SOIL	5/25/2011 10:45	5/25/2011 14:50
		2008-S; 6010-S; AEA-AM-S; AEA-PU-S; AEA-U-S; CR6-S; DRY-WEIGHT; GEA-S; IC-S; PAHSIM-S; PCB-SA; SR89/90-S; TC99-S; TPHDWA-S		
112326017	B2F044	SOIL	5/25/2011 10:45	5/25/2011 14:50
		2008-S; 6010-S; AEA-AM-S; AEA-PU-S; AEA-U-S; CR6-S; DRY-WEIGHT; GEA-S; IC-S; PAHSIM-S; PCB-SA; SR89/90-S; TC99-S; TPHDWA-S		
112326018	B2F045	SOIL	5/25/2011 10:52	5/25/2011 14:50
		2008-S; 6010-S; AEA-AM-S; AEA-PU-S; AEA-U-S; CR6-S; DRY-WEIGHT; GEA-S; IC-S; PAHSIM-S; PCB-SA; SR89/90-S; TC99-S; TPHDWA-S		
112326019	B2F046	SOIL	5/25/2011 11:10	5/25/2011 14:50
		2008-S; 6010-S; AEA-AM-S; AEA-PU-S; AEA-U-S; CR6-S; DRY-WEIGHT; GEA-S; IC-S; PAHSIM-S; PCB-SA; SR89/90-S; TC99-S; TPHDWA-S		
112326020	B2F047	SOIL	5/25/2011 11:15	5/25/2011 14:50
		2008-S; 6010-S; AEA-AM-S; AEA-PU-S; AEA-U-S; CR6-S; DRY-WEIGHT; GEA-S; IC-S; PAHSIM-S; PCB-SA; SR89/90-S; TC99-S; TPHDWA-S		
112326021	B2F048	SOIL	5/25/2011 11:25	5/25/2011 14:50
		2008-S; 6010-S; AEA-AM-S; AEA-PU-S; AEA-U-S; CR6-S; DRY-WEIGHT; GEA-S; IC-S; PAHSIM-S; PCB-SA; SR89/90-S; TC99-S; TPHDWA-S		
112326022	B2F049	SOIL	5/25/2011 11:25	5/25/2011 14:50
		2008-S; 6010-S; AEA-AM-S; AEA-PU-S; AEA-U-S; CR6-S; DRY-WEIGHT; GEA-S; IC-S; PAHSIM-S; PCB-SA; SR89/90-S; TC99-S; TPHDWA-S		

Test Acronym Description

Test Acronym	Description
2008-S	ICP-MS (S)
6010-S	ICP-AES (S)
8260V-S	Volatiles by 8260B (S)
AEA-AM-S	Americium (AEA) (S)
AEA-PU-S	Plutonium (AEA) (S)

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

AEA-U-S	Uranium Isotopic (AEA) (S)
CR6-S	Cr6 (S)
DRY-WEIGHT	Dry Weight as Pct Moisture
GEA-S	Gamma Energy Analysis (S)
IC-S	Anions by IC (S)
PAHSIM-S	PAHSIM by 8270D SemiVOA (S)
PCB-SA	PCB (8082) (S) ASE
SR89/90-S	Strontium 89/90 (GPC) (S)
TC99-S	Technetium-99 (S)
TPHDWA-S	TPHD-WA (S)

CH2MHill Plateau Remediation Company

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F11-127-015

PAGE 1 OF 1

COLLECTOR: Sparks

SAMPLING LOCATION: 216-S-26 RV 1

ICE CHEST NO.: NA

SHIPPED TO: Waste Sampling & Characterization

COMPANY CONTACT: BAUER, RG

TELEPHONE NO.: 373-3931

PROJECT DESIGNATION: ARRA Verification Sampling of the 216-S-26 Waste Site and 200-W-148-PL

FIELD LOGBOOK NO.: WMF N-5049

ACTUAL SAMPLE DEPTH: 6-10'

OFFSITE PROPERTY NO.: N/A

PROJECT COORDINATOR: BAUER, RG

SAF NO.: F11-127

COA: 302222ES10

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

PRICE CODE: 8C

AIR QUALITY: ☐

DATA TURNAROUND: 15 Days / 15 Days

METHOD OF SHIPMENT: GOVERNMENT VEHICLE

ORIGINAL

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

POSSIBLE SAMPLE HAZARDS/ REMARKS: Contains Radioactive Material at concentrations that 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)

112326

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	Cool <-7C and > -20C
HOLDING TIME	14 Days
TYPE OF CONTAINER	aGs
NO. OF CONTAINER(S)	5
VOLUME	40ml
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME	[redacted]
B2F025	SOIL	5/25/11	1030	X

CHAIN OF POSSESSION / SIGN/ PRINT NAMES

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Sparks	5/25/11 1150	Victor Bjorg	5/25/11 1150
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
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 CACN for all analytical work at WSCF is 401352ES20.☐** The 0200 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
(1) VOA - 5035/8260 (LOW LEVEL) {Carbon tetrachloride, Xylenes (total)};

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

PRINTED ON 5/19/2011

A-6002-018 (REV 2)

VOC Soil and Sediment Sampling

Published Date: 10/22/10 Effective Date: 10/22/10

Appendix A - Sample Record Sheet, -7°C and -20°C Only (Spin Bars)

SAMPLE RECORD SHEET FOR VOC SAMPLE COLLECTION

Location: 216-S-26 RU 1

Sampler Initials and Date: TBB 5-25-11

Sample Number[1]	Sample Suffix	Initial Weight[2] (grams)	Total Weight[3] (grams)	Soil Weight[4] (grams)
B2F025	K	28.88	34.57	5.68
	L	28.05	32.40	4.35
	M	28.43	33.47	5.04
	N	28.57	33.83	5.26
	P	27.96	33.33	5.37

[1] Enter sample number associated with the sampling event.

[2] Initial weight is to include all labels, stickers, bags, spin bars (for samples with suffix K, L, M, N and P) 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 Initial Weight.

A-6005-526 (REV 0)

Sample Receipt
Chain of Custody
Thursday, May 26, 2011 8:05:44 AM
Page 5 of 47
June 09, 2011 16:06:31
Page 187 of 229
3004.1.1084.3
Report ID: 112326
Group # WSCF112326

CH2MHill Plateau Remediation Company

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F11-127-016

PAGE 1 OF 1

COLLECTOR: Sparks

COMPANY CONTACT: BAUER, RG

TELEPHONE NO.: 373 3931

PROJECT COORDINATOR: BAUER, RG

PRICE CODE: 8C

DATA TURNAROUND: 15 Days / 15 Days

SAMPLING LOCATION: 216-S-26 RV 2

PROJECT DESIGNATION: ARRA Verification Sampling of the 216-S-26 Waste Site and 200-W-148-PL

SAF NO.: F11-127

AIR QUALITY:

ICE CHEST NO.:

FIELD LOGBOOK NO.: HNF-N-507-19

ACTUAL SAMPLE DEPTH: 6-12"

COA: 302222E510

METHOD OF SHIPMENT: GOVERNMENT VEHICLE

ORIGINAL

SHIPPED TO: Waste Sampling & Characterization

OFFSITE PROPERTY NO.: N/A

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

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

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

PRESERVATION	Cool < 20C and > 20C
HOLDING TIME	14 Days
TYPE OF CONTAINER	aGs
NO. OF CONTAINER(S)	5
VOLUME	40ml
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.		MATRIX*	SAMPLE DATE	SAMPLE TIME	[redacted]
B2F026	2	SOIL	5/25/11	1630	X

CHAIN OF POSSESSION

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Sparks	1450 5/25/11	TA Frazier	1450 5/25/11

SIGN/ PRINT NAMES

SPECIAL INSTRUCTIONS

** The CACN for all analytical work at WSCF is 401352E520.☐** The 200 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
(1) VOA - 5035/8260 (LOW LEVEL) {Carbon tetrachloride, Xylenes (total)};

LABORATORY SECTION: RECEIVED BY | TITLE | DATE/TIME

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

PRINTED ON 5/19/2011

A-6003-618 (REV 2)

VOC Soil and Sediment Sampling

Published Date: 10/22/10 Effective Date: 10/22/10

Appendix A - Sample Record Sheet, -7°C and -20°C Only (Spin Bars)

SAMPLE RECORD SHEET FOR VOC SAMPLE COLLECTION

Location: 216-S-26 KU2

Sampler Initials and Date: DR 5-23-11

Sample Number[1]	Sample Suffix	Initial Weight[2] (grams)	Total Weight[3] (grams)	Soil Weight[4] (grams)
B02FC26	K	28.70	34.83	6.13
	L	29.01	35.50	6.49
	M	29.23	34.40	5.17
	N	28.84	34.70	5.86
	P	28.39	34.35	5.96

[1] Enter sample number associated with the sampling event.

[2] Initial weight is to include all labels, stickers, bags, spin bars (for samples with suffix K, L, M, N and P) 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 Initial Weight.

A-6005-526 (REV 0)

Sample Receipt
Chain of Custody
Thursday, May 26, 2011 8:05:44 AM
Page 7 of 47
June 09, 2011 16:06:31
Page 189 of 229
3004.1.1084.3
Report ID: 112326
Group # WSCF112326

CH2MHill Plateau Remediation Company | **CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST** | F11-127-017 | PAGE 1 OF 1

COLLECTOR: Sparks	COMPANY CONTACT: BAUER, RG	TELEPHONE NO.: 373-3931	PROJECT COORDINATOR: BAUER, RG
PRICE CODE: 8C	DATA TURNAROUND: 15 Days / 15 Days	SAMPLING LOCATION: 216-S-26 RV 3	PROJECT DESIGNATION: ARRA Verification Sampling of the 216-S-26 Waste Site and 200-W-148 P...
SAF NO.: F11-127	AIR QUALITY	ICE CHEST NO.	FIELD LOGBOOK NO.: HNF-N-507-19
ACTUAL SAMPLE DEPTH: 6-12"	COA: 302222ES10	METHOD OF SHIPMENT: GOVERNMENT VEHICLE	ORIGINAL
SHIPPED TO: Waste Sampling & Characterization	OFFSITE PROPERTY NO.: N/A	BILL OF LADING/AIR BILL NO.: N/A	

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

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

PRESERVATION	Cool <=7C and >=20C
HOLDING TIME	14 Days
TYPE OF CONTAINER	WG
NO. OF CONTAINER(S)	5
VOLUME	40mL
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.		MATRIX*	SAMPLE DATE	SAMPLE TIME	[redacted]
B2F027	3	SOIL	5-25-11	1030	X

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
D Sparks	5-25-11 1450	TA Frazier	5-25-11 1450
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
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 CACN for all analytical work at WSCF is 401352ES20.☐** The 200 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
(1) VOA - 5035/8260 (LOW LEVEL) (Carbon tetrachloride, Xylenes (total));

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

PRINTED ON 5/19/2011 | A 6003-019 (REV 2)

Appendix A - Sample Record Sheet, -7°C and -20°C Only (Spin Bars)

SAMPLE RECORD SHEET FOR VOC SAMPLE COLLECTION

Location: 216-S-26 RU3

Sampler Initials and Date: DS 5-25-11

Sample Number[1]	Sample Suffix	Initial Weight[2] (grams)	Total Weight[3] (grams)	Soil Weight[4] (grams)
B2F027	K	29.20	34.44	5.24
	L	28.66	34.64	5.98
	M	23.41	34.32	5.59
	N	28.74	34.63	5.89
	P	28.58	34.28	5.7

[1] Enter sample number associated with the sampling event.

[2] Initial weight is to include all labels, stickers, bags, spin bars (for samples with suffix K, L, M, N and P) 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 Initial Weight.

A-6005-526 (REV 0)

CHZMHill Plateau Remediation Company

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F11-127-018

PAGE 1 OF 1

COLLECTOR: Sparks	COMPANY CONTACT: BAUER, RG	TELEPHONE NO.: 373-3931	PROJECT COORDINATOR: BAUER, RG
PRICE CODE: 8C	DATA TURNAROUND: 15 Days / 15 Days	SAMPLING LOCATION: 216-S-26 RV4	PROJECT DESIGNATION: ARRA Verification Sampling of the 216-S-26 Waste Site and 200-W-148-PL
SAF NO.: F11-127	AIR QUALITY: ☐	ICE CHEST NO.: NA	FIELD LOGBOOK NO.: HNF-N-507-19
ACTUAL SAMPLE DEPTH: 6-12"	COA: 302222ES10	METHOD OF SHIPMENT: GOVERNMENT VEHICLE	ORIGINAL
SHIPPED TO: Waste Sampling & Characterization	OFFSITE PROPERTY NO.: N/A	BILL OF LADING/AIR BILL NO.: N/A	

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

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

PRESERVATION	Cool < 7C and >-20C
HOLDING TIME	14 Days
TYPE OF CONTAINER	454
NO. OF CONTAINER(S)	5
VOLUME	40mL
SAMPLE ANALYSIS	SEE ITEM(1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.		MATRIX*	SAMPLE DATE	SAMPLE TIME	[redacted]
B2F028	4	SOIL	5-25-11	1040	X

CHAIN OF POSSESSION / SIGN/ PRINT NAMES

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Sparks	1450 5-25-11	TA Pnazim	1450 5-25-11
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
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 CACN for all analytical work at WSCF is 401352ES20.☐** The 200 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
(1) VOA - 5035/8260 (LOW LEVEL) {Carbon tetrachloride, Xylenes (total)};

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

PRINTED ON 5/19/2011

A-6003-918 (REV 2)

VOC Soil and Sediment Sampling

Published Date: 10/22/10 **Effective Date: 10/22/10**

Appendix A - Sample Record Sheet, -7°C and -20°C Only (Spin Bars)

SAMPLE RECORD SHEET FOR VOC SAMPLE COLLECTION

Location: 216-S-26 RU4

Sampler Initials and Date: [illegible] 5-25-11

Sample Number[1]	Sample Suffix	Initial Weight[2] (grams)	Total Weight[3] (grams)	Soil Weight[4] (grams)
B2F028	K	28.46	32.51	4.06
	L	28.63	33.62	4.99
	M	29.22	33.02	3.80
	N	29.03	34.26	5.23
	P	29.05	33.93	4.88

[1] Enter sample number associated with the sampling event.

[2] Initial weight is to include all labels, stickers, bags, spin bars (for samples with suffix K, L, M, N and P) 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 Initial Weight.

A-6005-526 (REV 0)

Sample Receipt
Chain of Custody
Thursday, May 26, 2011 8:05:44 AM
Page 11 of 47
June 09, 2011 16:06:31
Page 193 of 229
3004.1.1084.3
Report ID: 112326
Group # WSCF112326

CH2MHill Plateau Remediation Company

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F11-127-019

PAGE 1 OF 1

COLLECTOR: Sparks

SAMPLING LOCATION: 216-S-26 RV 5

ICE CHEST NO.:

SHIPPED TO: Waste Sampling & Characterization

COMPANY CONTACT: BAUER, RG

TELEPHONE NO.: 373-9931

PROJECT DESIGNATION: ARRA Verification Sampling of the 216-S-26 Waste Site and 200-W-148-PL

FIELD LOGBOOK NO.: HNF-N-507-19

ACTUAL SAMPLE DEPTH: 6-12"

OFFSITE PROPERTY NO.: N/A

PROJECT COORDINATOR: BAUER, RG

SAF NO.: F11-127

COA: 307272ES10

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

PRICE CODE: 8C

AIR QUALITY: ☐

METHOD OF SHIPMENT: GOVERNMENT VEHICLE

DATA TURNAROUND: 15 Days / 15 Days

ORIGINAL

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

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

PRESERVATION	Cool < 7C and > 20C
HOLDING TIME	14 Days
TYPE OF CONTAINER	aGs
NO. OF CONTAINER(S)	5
VOLUME	40mL
SAMPLE ANALYSIS	SEE ITEM (3) IN SPECIAL INSTRUCTIONS

SAMPLE NO.		MATRIX*	SAMPLE DATE	SAMPLE TIME	[redacted]
B2F029	5	SOIL	5-05-11	1045	X

CHAIN OF POSSESSION / SIGN/ PRINT NAMES

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Sparks	1450 5-05-11	TA Fnazi	1450 5-05-11

SPECIAL INSTRUCTIONS

** The CACN for all analytical work at WSCF is 401352ES20.☐** The 200 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
(1) VOA - 5035/8260 (LOW LEVEL) {Carbon tetrachloride, Xylenes (total)};

LABORATORY SECTION: RECEIVED BY | TITLE | DATE/TIME

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

PRINTED ON 5/19/2011

A-6003-618 (REV 2)

VOC Soil and Sediment Sampling

Published Date: 10/22/10 **Effective Date: 10/22/10**

Appendix A - Sample Record Sheet, -7 °C and -20 °C Only (Spin Bars)

SAMPLE RECORD SHEET FOR VOC SAMPLE COLLECTION

Location: 216-S-26 RUS

Sampler Initials and Date: [illegible] 5-25-11

Sample Number[1]	Sample Suffix	Initial Weight[2] (grams)	Total Weight[3] (grams)	Soil Weight[4] (grams)
B0F029	K	28.97	33.95	4.98
	L	29.02	34.25	5.23
	M	28.89	33.88	4.99
	N	28.51	33.72	5.21
	P	28.52	33.53	5.01

[1] Enter sample number associated with the sampling event.

[2] Initial weight is to include all labels, stickers, bags, spin bars (for samples with suffix K, L, M, N and P) 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 Initial Weight.

A-6005-526 (REV 0)

CH2MHill Plateau Remediation Company

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F11-127-020 PAGE 1 OF 1

COLLECTOR: Sparks

SAMPLING LOCATION: 216-S-26 RV 5 Dup

ICE CHEST NO.:

SHIPPED TO: Waste Sampling & Characterization

COMPANY CONTACT: BAUER, RG

TELEPHONE NO.: 373-3931

PROJECT DESIGNATION: ARRA Verification Sampling of the 216-S-26 Waste Site and 200-W-148-PL

FIELD LOGBOOK NO.: HNF N-507-19

ACTUAL SAMPLE DEPTH: 6-12"

OFFSITE PROPERTY NO.: N/A

PROJECT COORDINATOR: BAUER, RG

SAF NO.: F11-127

COA: 30222ZES10

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

PRICE CODE: 8C

AIR QUALITY:

DATA TURNAROUND: 15 Days / 15 Days

METHOD OF SHIPMENT: GOVERNMENT VEHICLE

ORIGINAL

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

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

PRESERVATION	Cool <-7C and >-20C
HOLDING TIME	14 Days
TYPE OF CONTAINER	aas
NO. OF CONTAINER(S)	5
VOLUME	40ml
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME	
B2F030	SOIL	5-25-11	10:15	

CHAIN OF POSSESSION / SIGN/ PRINT NAMES

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
D Sparks	5-25-11 1450	TA Engzim	5-25-11 1450
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
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 CACN for all analytical work at WSCF is 401352ES20.☐** The 200 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
(1) VOA - 5035/8260 (LOW LEVEL) (Carbon tetrachloride, Xylenes (total));

LABORATORY SECTION: RECEIVED BY | TITLE | DATE/TIME

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

PRINTED ON 5/19/2011

A-6003-618 (REV 2)

VOC Soil and Sediment Sampling

Published Date: 10/22/10 **Effective Date: 10/22/10**

Appendix A - Sample Record Sheet, -7°C and -20°C Only (Spin Bars)

SAMPLE RECORD SHEET FOR VOC SAMPLE COLLECTION

Location: 216-S-26 RV5 Dup

Sampler Initials and Date: DS 5-25-11

Sample Number[1]	Sample Suffix	Initial Weight[2] (grams)	Total Weight[3] (grams)	Soil Weight[4] (grams)
B2FC30	K	28.53	34.47	5.94
	L	28.76	33.87	5.11
	M	28.39	33.51	5.12
	N	28.63	33.75	5.12
	P	28.88	33.97	5.09

[1] Enter sample number associated with the sampling event.

[2] Initial weight is to include all labels, stickers, bags, spin bars (for samples with suffix K, L, M, N and P) 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 Initial Weight.

A-6005-526 (REV 0)

Sample Receipt
Chain of Custody
Thursday, May 26, 2011 8:05:44 AM
Page 15 of 47
June 09, 2011 16:06:31
Page 197 of 229
3004.1.10843
Report ID: 112326
Group # WSCF112326

CH2MHill Plateau Remediation Company

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

FI1-127-021

COLLECTOR: Sparks

SAMPLING LOCATION: 216-S-26 RV 6

ICE CHEST NO.:

SHIPPED TO: Waste Sampling & Characterization

COMPANY CONTACT: BAUER, RG

TELEPHONE NO.: 373-3931

PROJECT DESIGNATION: ARRA Verification Sampling of the 216-S-26 Waste Site and 200-W-148-PL

FIELD LOGBOOK NO.: HNF N-507-19

ACTUAL SAMPLE DEPTH: 6"-12"

OFFSITE PROPERTY NO.: N/A

PROJECT COORDINATOR: BAUER, RG

SAF NO.: FI1-127

COA: 302222ES10

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

PRICE CODE: BC

AIR QUALITY: ☐

METHOD OF SHIPMENT: GOVERNMENT VEHICLE

DATA TURNAROUND: 15 Days / 15 Days

ORIGINAL

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

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

PRESERVATION	Cool < 7C and > 2C
HOLDING TIME	14 Days
TYPE OF CONTAINER	aGs
NO. OF CONTAINER(S)	5
VOLUME	40mL
SAMPLE ANALYSIS	See Item (1) in Special Instructions

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME	[redacted]
B2F031 7	SOIL	5-25-11	1652	✓

CHAIN OF POSSESSION / SIGN/ PRINT NAMES

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Dan Sparks	5-25-11 1450	Victor J Sims	5/25/11 1450

SPECIAL INSTRUCTIONS

** The CACN for all analytical work at WSCF is 401352ES20.☐** The 200 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
(1) VOA - 5035/8260 (LOW LEVEL) {Carbon tetrachloride, Xylenes (total)};

LABORATORY SECTION — RECEIVED BY — TITLE — DATE/TIME

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

PRINTED ON 5/19/2011

A-6003-618 (REV 2)

Appendix A - Sample Record Sheet, -7 °C and -20 °C Only (Spin Bars)

SAMPLE RECORD SHEET FOR VOC SAMPLE COLLECTION

Location: 216-S-26 RU6

Sampler Initials and Date: DB 5-25-11

Sample Number[1]	Sample Suffix	Initial Weight[2] (grams)	Total Weight[3] (grams)	Soil Weight[4] (grams)
B2F031	K	28.92	34.36	5.44
	L	28.53	33.54	5.01
	M	29.01	34.05	5.04
	N	28.97	34.95	5.98
	P	28.98	36.38	7.40

[1] Enter sample number associated with the sampling event.

[2] Initial weight is to include all labels, stickers, bags, spin bars (for samples with suffix K, L, M, N and P) 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 Initial Weight.

A-6005-526 (REV 0)

CH2MHill Plateau Remediation Company

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F11-127-022

PAGE 1 OF 1

COLLECTOR: Sparks

SAMPLING LOCATION: 216-S-26 RV 7

ICE CHEST NO.:

SHIPPED TO: Waste Sampling & Characterization

COMPANY CONTACT: BAUER, RG

TELEPHONE NO.: 373-3931

PROJECT DESIGNATION: ARRA Verification Sampling of the 216-S-26 Waste Site and 200-W-148-PL

FIELD LOGBOOK NO.: HNF-N-507-19

ACTUAL SAMPLE DEPTH: 6-12 11

OFFSITE PROPERTY NO.: N/A

PROJECT COORDINATOR: BAUER, RG

SAF NO.: F11-127

COA: 302222ES10

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

PRICE CODE: 8C

AIR QUALITY:

METHOD OF SHIPMENT: GOVERNMENT VEHICLE

DATA TURNAROUND: 15 Days / 15 Days

ORIGINAL

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

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

PRESERVATION	Cool < 7C and > 2C
HOLDING TIME	14 Days
TYPE OF CONTAINER	aGs
NO. OF CONTAINER(S)	5
VOLUME	40mL
SAMPLE ANALYSIS	SAF ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.		MATRIX*	SAMPLE DATE	SAMPLE TIME	[redacted]
B2F032	8	SOIL	5-25-11	1110	X

CHAIN OF POSSESSION / SIGN/ PRINT NAMES

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
D Sparks [redacted]	5-25-11 1450	TA Mazzim	5-25-11 1450

SPECIAL INSTRUCTIONS

** The CACN for all analytical work at WSCF is 401352ES20.☐** The 200 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
(1) VOA - 5035/8260 (LOW LEVEL) {Carbon tetrachloride, Xylenes (total)};

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

PRINTED ON 5/19/2011

A-6003-518 (REV 2)

Appendix A - Sample Record Sheet, -7°C and -20°C Only (Spin Bars)

SAMPLE RECORD SHEET FOR VOC SAMPLE COLLECTION

Location: 216 S 26 RV7

Sampler Initials and Date: DB 5-25-11

Sample Number[1]	Sample Suffix	Initial Weight[2] (grams)	Total Weight[3] (grams)	Soil Weight[4] (grams)
B2F032	K	28.60	32.16	3.56
	L	28.63	33.70	5.07
	M	28.78	34.57	5.79
	N	28.55	33.59	5.04
	P	28.95	34.27	5.32

[1] Enter sample number associated with the sampling event.

[2] Initial weight is to include all labels, stickers, bags, spin bars (for samples with suffix K, L, M, N and P) 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 Initial Weight.

A-6005-526 (REV 0)

CH2MHill Plateau Remediation Company

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F11-127-023

PAGE 1 OF 1

COLLECTOR: Sparks	COMPANY CONTACT: BAUER, RG	TELEPHONE NO.: 373-3931	PROJECT COORDINATOR: BAUER, RG
PRICE CODE: 8C	DATA TURNAROUND: 15 Days / 15 Days	SAMPLING LOCATION: 216-S-26 RV 8	PROJECT DESIGNATION: ARRA Verification Sampling of the 216-S-26 Waste Site and 200-W-148-PI
SAF NO.: F11-127	AIR QUALITY	ICE CHEST NO.	FIELD LOGBOOK NO.: HNF-N-507-19
ACTUAL SAMPLE DEPTH: 6-12 ft	COA: 302222ES10	METHOD OF SHIPMENT: GOVERNMENT VEHICLE	ORIGINAL
SHIPPED TO: Waste Sampling & Characterization	OFFSITE PROPERTY NO.: N/A	BILL OF LADING/AIR BILL NO.: N/A	

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

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

PRESERVATION	Cool < 7C and > -20C
HOLDING TIME	14 Days
TYPE OF CONTAINER	aGs
NO. OF CONTAINER(S)	5
VOLUME	40mL
SAMPLE ANALYSIS	SH-7-M (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.		MATRIX*	SAMPLE DATE	SAMPLE TIME	[redacted]
82F033	9	SOIL	5-25-11	1115	X

CHAIN OF POSSESSION / SIGN/ PRINT NAMES

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
D Sparks	5-25-11 1450	Victor Sykes	5/25/11 1450
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
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 CACN for all analytical work at WSCF is 401352ES20.□** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKT applies to this SAF.□** All VOA samples will be collected using EPA Method 5035A.□** VOA sample bottle sets will
(1) VOA - 5035/8260 (LOW LEVEL) {Carbon tetrachloride, Xylenes (total)};

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

PRINTED ON 5/19/2011

A-6003-619 (REV 2)

Appendix A - Sample Record Sheet, -7°C and -20°C Only (Spin Bars)

SAMPLE RECORD SHEET FOR VOC SAMPLE COLLECTION

Location: 216 S-26 RY8

Sampler Initials and Date: 28 5-25-11

Sample Number[1]	Sample Suffix	Initial Weight[2] (grams)	Total Weight[3] (grams)	Soil Weight[4] (grams)
B2F033	K	29.02	34.28	5.26
	L	28.39	33.85	5.46
	M	28.53	33.73	5.2
	N	28.62	33.89	5.27
	P	28.80	34.02	5.22

[1] Enter sample number associated with the sampling event.

[2] Initial weight is to include all labels, stickers, bags, spin bars (for samples with suffix K, L, M, N and P) 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 Initial Weight.

A-6005 526 (REV 0)

CH2MHill Plateau Remediation Company — **CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST** — F11-127-024 — PAGE 1 OF 1

COLLECTOR: Sparks	COMPANY CONTACT: BAUER, RG	TELEPHONE NO.: 373-3931	PROJECT COORDINATOR: BAUER, RG
PRICE CODE: 8C	DATA TURNAROUND: 15 Days / 15 Days	SAMPLING LOCATION: 200 W-148-PL RV 9	PROJECT DESIGNATION: ARRA Verification Sampling of the 216-S-26 Waste Site and 200-W-148-PL
SAF NO.: F11-127	AIR QUALITY:	ICE CHEST NO.	FIELD LOGBOOK NO.: WNF-N-507-19
ACTUAL SAMPLE DEPTH: 6"-12"	COA: 302222ES10	METHOD OF SHIPMENT: GOVERNMENT VEHICLE	ORIGINAL
SHIPPED TO: Waste Sampling & Characterization	OFFSITE PROPERTY NO.: N/A	BILL OF LADING/AIR BILL NO.: N/A	

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

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

PRESERVATION	Cool < 7C and > 2C
HOLDING TIME	14 Days
TYPE OF CONTAINER	aGs
NO. OF CONTAINER(S)	5
VOLUME	40mL
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.		MATRIX*	SAMPLE DATE	SAMPLE TIME	[redacted]
B2F034	10	SOIL	5-25-11	1125	X

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Dan Sparks	5-25-11 / 1450	TA Ramzin	5/25/11 1450
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
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 CACN for all analytical work at WSCF is 401352ES20.☐ ** The 200 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
(1) VOA - 5035/8260 (LOW LEVEL) {Carbon tetrachloride, Xylenes (total)};

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

PRINTED ON 5/19/2011 — A-5003-618 (REV 2)

VOC Soil and Sediment Sampling

Published Date: 10/22/10 **Effective Date: 10/22/10**

Appendix A - Sample Record Sheet, -7°C and -20°C Only (Spin Bars)

SAMPLE RECORD SHEET FOR VOC SAMPLE COLLECTION

Location: 200-W-148-PL RU9

Sampler Initials and Date: DJS 5-25-11

Sample Number[1]	Sample Suffix	Initial Weight[2] (grams)	Total Weight[3] (grams)	Soil Weight[4] (grams)
BQF034	K	28.57	33.34	4.77
	L	28.66	33.55	4.89
	M	28.02	34.67	6.65
	N	28.77	33.50	4.73
	P	28.36	32.80	4.44

[1] Enter sample number associated with the sampling event.

[2] Initial weight is to include all labels, stickers, bags, spin bars (for samples with suffix K, L, M, N and P) 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 Initial Weight.

A 6005 526 (REV 0)

CH2MHill Plateau Remediation Company | **CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST** | F11-127-025 | PAGE 1 OF 1

COLLECTOR: Sparks

SAMPLING LOCATION: 200-W-148-PL RV 10

ICE CHEST NO.:

SHIPPED TO: Waste Sampling & Characterization

COMPANY CONTACT: BAUER, RG

TELEPHONE NO.: 373-3931

PROJECT DESIGNATION: ARRA Verification Sampling of the 216-S-26 Waste Site and 200-W-148-PL

FIELD LOGBOOK NO.: HNF-N-507-15

ACTUAL SAMPLE DEPTH: 6"-12"

OFFSITE PROPERTY NO.: N/A

PROJECT COORDINATOR: BAUER, RG

PRICE CODE: 8C

AIR QUALITY:

SAF NO.: F11-127

COA: 302222ES13

METHOD OF SHIPMENT: GOVERNMENT VEHICLE

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

DATA TURNAROUND: 15 Days / 15 Days

ORIGINAL

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

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

PRESERVATION	Cool < 7C and >-20C
HOLDING TIME	14 Days
TYPE OF CONTAINER	aGs
NO. OF CONTAINER(S)	5
VOLUME	40mL
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.		MATRIX*	SAMPLE DATE	SAMPLE TIME	[illegible]
B2F035	11	SOIL	5-25-11	1125	X

CHAIN OF POSSESSION / SIGN/ PRINT NAMES

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Dan Sparks	5-25-11 / 1450	TA PRAZION	5-25-11 1450

SPECIAL INSTRUCTIONS

** The CACN for all analytical work at WSCF is 401352FS20.☐** The 200 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
(1) VOA - 5035/8260 (LOW LEVEL) (Carbon tetrachloride, Xylenes (total));

LABORATORY SECTION: RECEIVED BY | TITLE | DATE/TIME

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

PRINTED ON 5/19/2011

A 6001-615 (REV 2)

VOC Soil and Sediment Sampling

Published Date: 10/22/10 **Effective Date: 10/22/10**

Appendix A - Sample Record Sheet, -7°C and -20°C Only (Spin Bars)

SAMPLE RECORD SHEET FOR VOC SAMPLE COLLECTION

Location: 200-W-148-PL RV10

Sampler Initials and Date: DS 5.25.11

Sample Number[1]	Sample Suffix	Initial Weight[2] (grams)	Total Weight[3] (grams)	Soil Weight[4] (grams)
BQF035	K	28.66	33.46	4.74
	L	28.92	34.03	5.11
	M	28.63	33.52	4.89
	N	28.53	33.60	5.07
	P	28.67	33.22	4.55

[1] Enter sample number associated with the sampling event.

[2] Initial weight is to include all labels, stickers, bags, spin bars (for samples with suffix K, L, M, N and P) 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 Initial Weight.

A-6005-526 (REV 0)

CH2MHill Plateau Remediation Company

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F11-127-029 PAGE 1 OF 2

COLLECTOR: Sparks

COMPANY CONTACT: BAUER, RG

TELEPHONE NO.: 373 3931

PROJECT COORDINATOR: BAUER, RG

PRICE CODE: 8C

DATA TURNAROUND: 15 Days / 15 Days

SAMPLING LOCATION: 216-S-26 RV 1

PROJECT DESIGNATION: ARRA Verification Sampling of the 216-S-26 Waste Site and 200-W-148-PL

SAF NO.: F11-127

AIR QUALITY:

ICE CHEST NO.: N/A

FIELD LOGBOOK NO.: HNF N-5075

ACTUAL SAMPLE DEPTH: 6 12"

COA: 302222ES10

METHOD OF SHIPMENT: GOVERNMENT VEHICLE

ORIGINAL

SHIPPED TO: Waste Sampling & Characterization

OFFSITE PROPERTY NO.: N/A

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

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

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

PRESERVATION	Cool-4C	Cool-4C	Cool-4C	Cool-4C	None	None
HOLDING TIME	14/40 Days	28 Days	30 Days	28 Days/48 Hours	6 Months	6 Months
TYPE OF CONTAINER	aG	G/P	G/P	G/P	Square Bottle - Poly	G/P
NO. OF CONTAINER(S)	1	1	1	1	1	1
VOLUME	250mL	250mL	60mL	120mL	500mL	120mL
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS	Chromium (+6) - 7196	SEE ITEM (3) IN SPECIAL INSTRUCTIONS	SEE ITEM (4) IN SPECIAL INSTRUCTIONS	SEE ITEM (5) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME	[redacted]					
B2F039 12	SOIL	5-25-11	1020	X	X	X	X	X	X

CHAIN OF POSSESSION / SIGN/ PRINT NAMES

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
	5-25-11 1150		5-25-11 1150

SPECIAL INSTRUCTIONS: SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION: RECEIVED BY | TITLE | DATE/TIME

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

PRINTED ON 5/19/2011

A-6003-019 (REV 2)

Sample Receipt

Chain of Custody

CH2MHill Plateau Remediation Company

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F11-127-029

PAGE 2 OF 2

COLLECTOR: Sparks	COMPANY CONTACT: BAUER, RG	TELEPHONE NO.: 373-3931	PROJECT COORDINATOR: BAUER, RG
PRICE CODE: 8C	DATA TURNAROUND: 15 Days / 15 Days	SAMPLING LOCATION: 216-S-26 RV 1	PROJECT DESIGNATION: ARRA Verification Sampling of the 216-S-26 Waste Site and 200-W-146-PL
SAF NO.: F11-127	AIR QUALITY: ☐	ICE CHEST NO.: N/A	FIELD LOGBOOK NO.: 11N2-N-507-19
ACTUAL SAMPLE DEPTH: 6-12'	COA: 302222ES10	METHOD OF SHIPMENT: GOVERNMENT VEHICLE	ORIGINAL
SHIPPED TO: Waste Sampling & Characterization	OFFSITE PROPERTY NO.: N/A	BILL OF LADING/AIR BILL NO.: N/A	

SPECIAL INSTRUCTIONS

** The CACN for all analytical work at WSCF is 401352ES20.☐** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.
(1) 8270_SVOA_GCMS: SIM {Acenaphthene, Acenaphthylene, Anthracene, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(ghi)perylene, Benzo(k)fluoranthene, Chrysene, Dibenz[a,h]anthracene, Fluoranthene, Fluorene, Indeno(1,2,3-cd)pyrene, Naphthalene, Phenanthrene, Pyrene}; TPH-DieselKerosene Range - WTPH-D (Total petroleum hydrocarbons - diesel range, Total petroleum hydrocarbons - kerosene range}; PCBs - 8082 {Aroclor 1016, Aroclor 1221, Aroclor-1232, Aroclor-1242, Aroclor-1248, Aroclor-1254, Aroclor-1260};
(2) 200.8_HG - ICPMS {Mercury}; ICP/MS - 200.8 (TAL) {Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc}; ICP/MS - 200.8 (Add-on) {Arsenic, Beryllium, Boron, Lead, Selenium, Strontium, Thallium, Tin, Uranium}; ICP Metals - 6010 (Add On) {Lithium};
(3) IC Anions - 300.0 {Fluoride, Nitrogen in Nitrate};
(4) Gamma Spectroscopy {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155};
(5) Americium-241; Isotopic Uranium {Uranium-233/234, Uranium-235, Uranium-238}; Isotopic Plutonium {Plutonium-238, Plutonium-239/240}; Strontium-89,90 -- Total Sr; Technetium-99;

PRINTED ON 5/19/2011

A 6003-618 (REV 2)

CH2MHill Plateau Remediation Company

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F11-127-030

COLLECTOR: Sparks

COMPANY CONTACT: BAUER, RG

TELEPHONE NO.: 373-3931

PROJECT COORDINATOR: BAUER, RG

PRICE CODE: 8C

DATA TURNAROUND: 15 Days / 15 Days

SAMPLING LOCATION: 216-S-26 RV 2

PROJECT DESIGNATION: ARRA Verification Sampling of the 216-S-26 Waste Site and 200-W-148-PL

SAF NO.: F11-127

AIR QUALITY: ☐

ICE CHEST NO.: NA

FIELD LOGBOOK NO.: HNI-N-501-19

ACTUAL SAMPLE DEPTH: 6-12'

COA: 302222ES10

METHOD OF SHIPMENT: GOVERNMENT VEHICLE

ORIGINAL

SHIPPED TO: Waste Sampling & Characterization

OFFSITE PROPERTY NO.: N/A

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

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

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

PRESERVATION	Cool<4C	Cool<4C	Cool<4C	Cool<4C	None	None
HOLDING TIME	14/40 Days	28 Days	30 Days	28 Days/48 Hours	6 Months	6 Months
TYPE OF CONTAINER	G	G/P	G/P	G/P	Square Bottle - Poly	G/P
NO. OF CONTAINER(S)	1	1	1	1	1	1
VOLUME	250mL	250mL	60mL	120mL	500mL	120mL
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS	Chromium Hex - 7196;	SEE ITEM (3) IN SPECIAL INSTRUCTIONS	SEE ITEM (4) IN SPECIAL INSTRUCTIONS	SEE ITEM (5) IN SPECIAL INSTRUCTIONS

SAMPLE NO.		MATRIX*	SAMPLE DATE	SAMPLE TIME	[redacted]					
B2F040	13	SOIL	5/25/11	1030	X	X	X	X	X	✓

CHAIN OF POSSESSION / SIGN/ PRINT NAMES

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Sparks	1450 5/25/11	TA Mazin	1450 5/25/11
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
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME

SPECIAL INSTRUCTIONS

SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION: RECEIVED BY | TITLE | DATE/TIME

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

PRINTED ON 6/19/2011

A-6032-6.8 (REV 7)

CH2MHill Plateau Remediation Company

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F11-127-030

PAGE 2 OF 2

COLLECTOR: Sparks

COMPANY CONTACT: BAUER, RG

TELEPHONE NO.: 373-3931

PROJECT COORDINATOR: BAUER, RG

PRICE CODE: 8C

DATA TURNAROUND: 15 Days / 15 Days

SAMPLING LOCATION: 216 S 26 RV 2

PROJECT DESIGNATION: ARRA Verification Sampling of the 216 S 26 Waste Site and 200 W 148 PL

SAF NO.: F11 127

AIR QUALITY: ☐

ICE CHEST NO.: NA

FIELD LOGBOOK NO.: HNF-N-562-19

ACTUAL SAMPLE DEPTH: 6-12"

COA: 302222ES10

METHOD OF SHIPMENT: GOVERNMENT VEHICLE

ORIGINAL

SHIPPED TO: Waste Sampling & Characterization

OFFSITE PROPERTY NO.: N/A

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

SPECIAL INSTRUCTIONS

** The CACN for all analytical work at WSCF is 401352ES20.□** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.
(1) 8270 SVOA GCMS: SIM {Acenaphthene, Acenaphthylene, Anthracene, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(ghi)perylene, Benzo(k)fluoranthene, Chrysene, Dibenz[a,h]anthracene, Fluoranthene, Fluorene, Indeno(1,2,3-cd)pyrene, Naphthalene, Phenanthrene, Pyrene}; TPH-DieselKerosene Range - WTPH-D {Total petroleum hydrocarbons - diesel range, Total petroleum hydrocarbons - kerosene range}; PCBs - 8082 (Aroclor-1016, Aroclor-1221, Aroclor-1232, Aroclor-1242, Aroclor-1248, Aroclor-1254, Aroclor-1260);
(2) 200.8_HG - ICPMS {Mercury}; ICP/MS - 200.8 (TAL) {Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc}; ICP/MS - 200.8 (Add-on) {Arsenic, Beryllium, Boron, Lead, Selenium, Strontium, Thallium, Tin, Uranium}; ICP Metals - 6010 (Add-On) {Lithium};
(3) IC Anions - 300.0 {Fluoride, Nitrogen in Nitrate};
(4) Gamma Spectroscopy {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155};
(5) Americium-241; Isotopic Uranium {Uranium 233/234, Uranium-235, Uranium 238}; Isotopic Plutonium {Plutonium 238, Plutonium-239/240}; Strontium-89,90 -- Total Sr; Technetium-99;

PRINTED ON 8/19/2011

A 600: 618 (REV 2)

CH2MHill Plateau Remediation Company

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F11-127-031

PAGE 1 OF 2

COLLECTOR: Sparks	COMPANY CONTACT: BAUER, RG	TELEPHONE NO.: 373 3331	PROJECT COORDINATOR: BAUER, RG	PRICE CODE: 8C
SAMPLING LOCATION: 216-S-26 RV 3	PROJECT DESIGNATION: ARRA Verification Sampling of the 216-S-26 Waste Site and 200-W-148-PL		SAF NO.: F11-127	AIR QUALITY:
ICE CHEST NO.	FIELD LOGBOOK NO.: MWF-N-507-19	ACTUAL SAMPLE DEPTH: 6-12"	COA: 302222ES10	METHOD OF SHIPMENT: GOVERNMENT VEHICLE
SHIPPED TO: Waste Sampling & Characterization	OFFSITE PROPERTY NO.: N/A		BILL OF LADING/AIR BILL NO.: N/A	

DATA TURNAROUND: 15 Days / 15 Days

ORIGINAL

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

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

PRESERVATION	Cool-4C	Cool-4C	Cool-4C	Cool-4C	None	None
HOLDING TIME	14/40 Days	28 Days	30 Days	28 Days/48 Hours	6 Months	6 Months
TYPE OF CONTAINER	aG	G/P	G/P	G/P	Square Bottle - Poly	G/P
NO. OF CONTAINER(S)	1	1	1	1	1	1
VOLUME	250mL	250mL	60mL	120mL	500mL	120mL
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS	Chromium Hex - 7196	SEE ITEM (3) IN SPECIAL INSTRUCTIONS	SEE ITEM (4) IN SPECIAL INSTRUCTIONS	SEE ITEM (5) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME						
B2FC41	14 SOIL	5-25-11	1030	X	X	X	X	X	X

CHAIN OF POSSESSION / SIGN/ PRINT NAMES

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
D Sparks	5-25-11 1450	TA Frazier	5-25-11 1450

SPECIAL INSTRUCTIONS

SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

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

PRINTED ON 5/19/2011

A-6003-618 (REV 2)

Sample Receipt

Chain of Custody

CH2MHill Plateau Remediation Company | **CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST** | **F11-127-031** | **PAGE 2 OF 2**

COLLECTOR Sparks Sparks	**COMPANY CONTACT** BAUER, RG	**TELEPHONE NO.** 373-3931	**PROJECT COORDINATOR** BAUER, RG	**PRICE CODE** 8C
SAMPLING LOCATION 216-S-26 RV 3	**PROJECT DESIGNATION** ARRA Verification Sampling of the 216 S 26 Waste Site and 200-W-148-PL		**SAF NO.** F11-127	**AIR QUALITY** ☐
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-507-19	**ACTUAL SAMPLE DEPTH** 6.12"	**COA** 302222ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE
SHIPPED TO Waste Sampling & Characterization	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A	

DATA TURNAROUND 15 Days / 15 Days

ORIGINAL

SPECIAL INSTRUCTIONS

** The CACN for all analytical work at WSCF is 401352ES20.☐** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.
(1) 8270_SVOA GCMS: SIM {Acenaphthene, Acenaphthylene, Anthracene, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(ghi)perylene, Benzo(k)fluoranthene, Chrysene, Dibenz[a,h]anthracene, Fluoranthene, Fluorene, Indeno(1,2,3-cd)pyrene, Naphthalene, Phenanthrene, Pyrene}; TPH-DieselKerosene Range - WTPH-D {Total petroleum hydrocarbons - diesel range, Total petroleum hydrocarbons - kerosene range}; PCBs - 8082 {Aroclor-1016, Aroclor-1221, Aroclor-1232, Aroclor-1242, Aroclor-1248, Aroclor-1254, Aroclor-1260};
(2) 200.8_HG - ICPMS {Mercury}; ICP/MS - 200.8 (TAL) {Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc}; ICP/MS - 200.8 (Add-on) {Arsenic, Beryllium, Boron, Lead, Selenium, Strontium, Thallium, Tin, Uranium}; ICP Metals - 6010 (Add-On) {Lithium};
(3) IC Anions - 300.0 {Fluoride, Nitrogen in Nitrate},
(4) Gamma Spectroscopy {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155};
(5) Americium-241; Isotopic Uranium {Uranium-233/234, Uranium-235, Uranium-238}; Isotopic Plutonium {Plutonium-238, Plutonium-239/240}; Strontium 89,90 - Total Sr; Technetium-99;

PRINTED ON 5/19/2011

A 6003 618 (REV 2)

CH2MHill Plateau Remediation Company

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F11-127-032

PAGE 1 OF 2

COLLECTOR: Sparks

SAMPLING LOCATION: 216-S-26 RV 4

ICE CHEST NO.: NA

SHIPPED TO: Waste Sampling & Characterization

COMPANY CONTACT: BAUER, RG

TELEPHONE NO.: 373-3931

PROJECT DESIGNATION: ARRA Verification Sampling of the 216-S-26 Waste Site and 200-W-148-PL

FIELD LOGBOOK NO.: HNF-N-507-19

ACTUAL SAMPLE DEPTH: 6'12"

OFFSITE PROPERTY NO.: N/A

PROJECT COORDINATOR: BAUER, RG

SAF NO.: F11-127

COA: 302222ES10

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

PRICE CODE: BC

AIR QUALITY: ☐

METHOD OF SHIPMENT: GOVERNMENT VEHICLE

DATA TURNAROUND: 15 Days / 15 Days

ORIGINAL

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

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

PRESERVATION	Cool-4C	Cool-4C	Cool-4C	Cool-4C	None	None
HOLDING TIME	14/10 Days	28 Days	30 Days	28 Days/48 Hours	6 Months	6 Months
TYPE OF CONTAINER	aG	G/P	G/P	G/P	Square Bottle Poly	G/P
NO. OF CONTAINER(S)	1	1	1	1	1	1
VOLUME	250mL	250mL	60mL	120mL	500mL	120mL
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS	Chromium Hex - 7196,	SEE ITEM (3) IN SPECIAL INSTRUCTIONS	SEE ITEM (4) IN SPECIAL INSTRUCTIONS	SEE ITEM (5) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME						
B2F042	15 SOIL	5-25-11	1040	X	X	X	X	X	X

CHAIN OF POSSESSION / SIGN/ PRINT NAMES

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Sparks	1450 5-25-11	TA PNAZIM	1450 5-25-11
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
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME

SPECIAL INSTRUCTIONS: SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION: RECEIVED BY | TITLE | DATE/TIME

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

PRINTED ON 5/19/2011

A-6003-618 (REV 2)

CH2MHill Plateau Remediation Company — **CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST** — F11-127-032 — PAGE 2 OF 2

COLLECTOR Sparks	**COMPANY CONTACT** BAUER, RG	**TELEPHONE NO.** 373-3931	**PROJECT COORDINATOR** BAUER, RG	**PRICE CODE** 8C	**DATA TURNAROUND** 15 Days / 15 Days
SAMPLING LOCATION 216-S-26 RV 4	**PROJECT DESIGNATION** ARRA Verification Sampling of the 216-S-26 Waste Site and 200-W-140-PI		**SAF NO.** F11-127	**AIR QUALITY** —	
ICE CHEST NO.	**FIELD LOGBOOK NO.** KA-KNF-N-527-19	**ACTUAL SAMPLE DEPTH** 6-10"	**COA** 302222E510	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	**ORIGINAL**
SHIPPED TO Waste Sampling & Characterization	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

SPECIAL INSTRUCTIONS

** The CACN for all analytical work at WSCF is 401352ES20.□** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.
(1) 8270_SVOA_GCMS: SIM {Acenaphthene, Acenaphthylene, Anthracene, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(ghi)perylene, Benzo(k)fluoranthene, Chrysene, Dibenz[a,h]anthracene, Fluoranthene, Fluorene, Indeno(1,2,3-cd)pyrene, Naphthalene, Phenanthrene, Pyrene}; TPH-DieselKerosene Range - WTPH-D {Total petroleum hydrocarbons - diesel range, Total petroleum hydrocarbons - kerosene range}; PCBs - 8082 {Aroclor-1016, Aroclor-1221, Aroclor-1232, Aroclor-1242, Aroclor 1248, Aroclor 1254, Aroclor-1260};
(2) 200.8_HG - ICPMS {Mercury}; ICP/MS - 200.8 (TAL) {Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc}; ICP/MS - 200.8 (Add-on) {Arsenic, Beryllium, Boron, Lead, Selenium, Strontium, Thallium, Tin, Uranium}; ICP Metals - 6010 (Add On) {Lithium};
(3) IC Anions - 300.0 {Fluoride, Nitrogen in Nitrate};
(4) Gamma Spectroscopy {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155};
(5) Americium-241; Isotopic Uranium {Uranium-233/234, Uranium-235, Uranium-238}; Isotopic Plutonium {Plutonium-238, Plutonium-239/240}; Strontium-89,90 -- Total Sr; Technetium-99;

PRINTED ON 5/19/2011

A 6000 416 (REV 2)

CH2MHill Plateau Remediation Company

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F11-127-033

COLLECTOR: Parker

SAMPLING LOCATION: 216-S-26 RV 5

ICE CHEST NO.: N/A

SHIPPED TO: Waste Sampling & Characterization

COMPANY CONTACT: BAUER, RG

TELEPHONE NO.: 373-3931

PROJECT DESIGNATION: ARRA Verification Sampling of the 216-S-26 Waste Site and 200-W-148-PL

FIELD LOGBOOK NO.: HNF-N-507-19

ACTUAL SAMPLE DEPTH: 6-12"

OFFSITE PROPERTY NO.: N/A

PROJECT COORDINATOR: BAUER, RG

SAF NO.: F11-127

COA: 302222ES10

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

PRICE CODE: BC

AIR QUALITY: [ ]

DATA TURNAROUND: 15 Days / 15 Days

METHOD OF SHIPMENT: GOVERNMENT VEHICLE

ORIGINAL

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

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

PRESERVATION	Cool-4C	Cool-4C	Cool-4C	Cool-4C	None	None
HOLDING TIME	14/40 Days	28 Days	30 Days	28 Days/48 Hours	6 Months	6 Months
TYPE OF CONTAINER	WG	G/P	G/P	G/P	Square Bottle - Poly	G/P
NO. OF CONTAINER(S)	1	1	1	1	1	1
VOLUME	250mL	250mL	60mL	120mL	500mL	120mL
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS	Chromium ex - 7196.	SEE ITEM (3) IN SPECIAL INSTRUCTIONS	SEE ITEM (4) IN SPECIAL INSTRUCTIONS	SEE ITEM (5) IN SPECIAL INSTRUCTIONS

SAMPLE No.		MATRIX*	SAMPLE DATE	SAMPLE TIME	[redacted]					
B2F043	16	SOIL	5-25-11	1045	X	X	X	X	X	X

CHAIN OF POSSESSION / SIGN/ PRINT NAMES

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
[signature]	1450 5-25-11	TA Fnazim [signature]	1450 5-25-11
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
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME

SPECIAL INSTRUCTIONS

SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION: RECEIVED BY | TITLE | DATE/TIME

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

PRINTED ON 5/19/2011

A 6033 618 (REV 2)

CH2MHill Plateau Remediation Company — **CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST** — F11-127-033 — PAGE 2 OF 2

COLLECTOR	**COMPANY CONTACT**	**TELEPHONE NO.**	**PROJECT COORDINATOR**	**PRICE CODE** 8C	**DATA TURNAROUND**
Sparks	BAUER, RG	373 3931	BAUER, RG		15 Days / 15 Days
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	
216-S-26 RV S	ARRA Verification Sampling of the 216-S-26 Waste Site and 200-W-148-PL		F11-127		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**	**ORIGINAL**
N/A	HNF-N-507-19	6 12"	302222ES10	GOVERNMENT VEHICLE	
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**		
Waste Sampling & Characterization	N/A		N/A		

SPECIAL INSTRUCTIONS

** The CACN for all analytical work at WSCF is 401352ES20.☐** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.
(1) 8270_SVOA_GCMS: SIM {Acenaphthene, Acenaphthylene, Anthracene, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(ghi)perylene, Benzo(k)fluoranthene, Chrysene, Dibenz[a,h]anthracene, Fluoranthene, Fluorene, Indeno(1,2,3-cd)pyrene, Naphthalene, Phenanthrene, Pyrene}; TPH-Diesel/Kerosene Range - WTPH-D {Total petroleum hydrocarbons - diesel range, Total petroleum hydrocarbons - kerosene range}; PCBs - 8082 {Aroclor-1016, Aroclor-1221, Aroclor-1232, Aroclor-1242, Aroclor-1248, Aroclor-1254, Aroclor-1260};
(2) 200.8_HG - ICPMS {Mercury}; ICP/MS - 200.8 (TAL) {Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc}; ICP/MS - 200.8 (Add-on) {Arsenic, Beryllium, Boron, Lead, Selenium, Strontium, Thallium, Tin, Uranium}; ICP Metals - 6010 (Add-On) {Lithium};
(3) IC Anions - 300.0 {Fluoride, Nitrogen in Nitrate};
(4) Gamma Spectroscopy {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155};
(5) Americium-241; Isotopic Uranium {Uranium-233/234, Uranium-235, Uranium-238}; Isotopic Plutonium {Plutonium-238, Plutonium-239/240}; Strontium-89,90 - Total Sr; Technetium-99;

PRINTED ON 5/19/2011 — A-6003-518 (REV 2)

CH2MHill Plateau Remediation Company

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F11-127-034

COLLECTOR: Sparks

SAMPLING LOCATION: 215-S-26 RV 5 Dup

ICE CHEST NO.:

SHIPPED TO: Waste Sampling & Characterization

COMPANY CONTACT: BAUER, RG

TELEPHONE NO.: 373-3931

PROJECT COORDINATOR: BAUER, RG

PRICE CODE: 8C

AIR QUALITY: L

DATA TURNAROUND: 15 Days / 15 Days

PROJECT DESIGNATION: ARRA Verification Sampling of the 216-S-26 Waste Site and 200-W-148-PL

SAF NO.: F11-127

FIELD LOGBOOK NO.: HNF-N-507-19

ACTUAL SAMPLE DEPTH: 6-12 ft

COA: 302222ES10

METHOD OF SHIPMENT: GOVERNMENT VEHICLE

ORIGINAL

OFFSITE PROPERTY NO.: N/A

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

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

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

PRESERVATION	Cool-4C	Cool-4C	Cool-4C	Cool-4C	None	None
HOLDING TIME	14/40 Days	28 Days	30 Days	28 Days/48 Hours	6 Months	6 Months
TYPE OF CONTAINER	aG	G/P	G/P	G/P	Square Bottle Poly	G/P
NO. OF CONTAINER(S)	1	1	1	1	1	1
VOLUME	250mL	250mL	60mL	120mL	500ml	120ml
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS	Chromium Hex - 7199.	SEE ITEM (3) IN SPECIAL INSTRUCTIONS	SEE ITEM (4) IN SPECIAL INSTRUCTIONS	SEE ITEM (5) IN SPECIAL INSTRUCTIONS

SAMPLE NO.		MATRIX*	SAMPLE DATE	SAMPLE TIME	[redacted]					
B2F044	17	SOIL	5-23-11	1045	X	X	X	X	X	X

CHAIN OF POSSESSION / SIGN/ PRINT NAMES

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
D Sparks 5-23-11	1450	TA Frazier	5-23-11 1450
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
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME

SPECIAL INSTRUCTIONS

SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION: RECEIVED BY | TITLE | DATE/TIME

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

PRINTED ON 5/19/2011

A 6003 615 (REV 2)

CH2MHill Plateau Remediation Company

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F11-127-034

PAGE 2 OF 2

COLLECTOR: Sparks	COMPANY CONTACT: BAUER, RG	TELEPHONE NO.: 373-3931	PROJECT COORDINATOR: BAUER, RG	PRICE CODE: 8C	DATA TURNAROUND: 15 Days / 15 Days
SAMPLING LOCATION: 216-S-26 RV 5 Dup	PROJECT DESIGNATION: ARRA Verification Sampling of the 216-S-26 Waste Site and 200-W-148-PL		SAF NO.: F11-127	AIR QUALITY:	
ICE CHEST NO.:	FIELD LOGBOOK NO.: HNF-N-507-19	ACTUAL SAMPLE DEPTH: 6-12''	COA: 302222ES10	METHOD OF SHIPMENT: GOVERNMENT VEHICLE	ORIGINAL
SHIPPED TO: Waste Sampling & Characterization	OFFSITE PROPERTY NO.: N/A		BILL OF LADING/AIR BILL NO.: N/A		

SPECIAL INSTRUCTIONS

** The CACN for all analytical work at WSCF is 401352ES20.□** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.
(1) 8270_SVOA_GCMS: SIM {Acenaphthene, Acenaphthylene, Anthracene, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(ghi)perylene, Benzo(k)fluoranthene, Chrysene, Dibenz[a,h]anthracene, Fluoranthene, Fluorene, Indeno(1,2,3-cd)pyrene, Naphthalene, Phenanthrene, Pyrene}; TPH-DieselKerosene Range - WTPH-D {Total petroleum hydrocarbons - diesel range, Total petroleum hydrocarbons - kerosene range}; PCBs - 8082 {Aroclor-1016, Aroclor-1221, Aroclor-1232, Aroclor-1242, Aroclor-1248, Aroclor-1254, Aroclor-1260};
(2) 200.8_HG - ICPMS {Mercury}; ICP/MS - 200.8 (TAL) {Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc}; ICP/MS - 200.8 (Add-on) {Arsenic, Beryllium, Boron, Lead, Selenium, Strontium, Thallium, Tin, Uranium}; ICP Metals - 6010 (Add-On) {Lithium};
(3) IC Anions - 300.0 {Fluoride, Nitrogen in Nitrate};
(4) Gamma Spectroscopy {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155};
(5) Americium-241; Isotopic Uranium {Uranium-233/234, Uranium-235, Uranium-238}; Isotopic Plutonium {Plutonium-238, Plutonium-239/240}; Strontium-89,90 -- Total Sr; Technetium-99;

PRINTED ON 5/19/2011

A-6002-618 (REV 2)

CH2MHill Plateau Remediation Company

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F11-127-035

PAGE 1 OF 2

COLLECTOR: Sparks

SAMPLING LOCATION: 216-S-26 RV 6

ICE CHEST NO.:

SHIPPED TO: Waste Sampling & Characterization

COMPANY CONTACT: BAUER, RG

TELEPHONE NO.: 373-3931

PROJECT COORDINATOR: BAUER, RG

PRICE CODE: 8C

DATA TURNAROUND: 15 Days / 15 Days

PROJECT DESIGNATION: ARRA Verification Sampling of the 216-S-26 Waste Site and 200-W-148-PL

AIR QUALITY:

SAF NO.: F11-127

FIELD LOGBOOK NO.: HNF-N-507-19

ACTUAL SAMPLE DEPTH: 6"-12"

COA: 302222ES10

METHOD OF SHIPMENT: GOVERNMENT VEHICLE

ORIGINAL

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, Sd=Sediment, T=Tissue, V=Vegetation, 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

PRESERVATION	Cool-4C	Cool-4C	Cool-4C	Cool-4C	None	None
HOLDING TIME	14/90 Days	28 Days	30 Days	28 Days/48 Hours	6 Months	6 Months
TYPE OF CONTAINER	4G	G/P	G/P	G/P	Square Bottle - Poly	G/P
NO. OF CONTAINER(S)	1	1	1	1	1	1
VOLUME	250mL	250mL	60mL	120mL	500mL	120mL
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS	Uranium Isos - 7196	SEE ITEM (3) IN SPECIAL INSTRUCTIONS	SEE ITEM (4) IN SPECIAL INSTRUCTIONS	SEE ITEM (5) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME	[redacted]					
B2F045	18 SOIL	5-25-11	1052	X	X	X	X	X	X

CHAIN OF POSSESSION		SIGN/ PRINT NAMES	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Dan Sparks	5-25-11 1450	Victor Ring	5/25/11 1450
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
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION: RECEIVED BY | TITLE | DATE/TIME

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

PRINTED ON 5/10/2011

A 6003 6.8 (REV 2)

CH2MHill Plateau Remediation Company

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F11-127-035

PAGE 2 OF 2

COLLECTOR: Sparks	COMPANY CONTACT: BAUER, RG	TELEPHONE NO.: 373-3931	PROJECT COORDINATOR: BAUER, RG	PRICE CODE: 8C	DATA TURNAROUND: 15 Days / 15 Days
SAMPLING LOCATION: 216-S-26 RV 6	PROJECT DESIGNATION: ARRA Verification Sampling of the 216-S-26 Waste Site and 200-W-148-PL		SAF NO.: F11-127	AIR QUALITY:	
ICE CHEST NO.	FIELD LOGBOOK NO.: HNF-N-507-19	ACTUAL SAMPLE DEPTH: 6"-12"	COA: 302222ES10	METHOD OF SHIPMENT: GOVERNMENT VEHICLE	ORIGINAL
SHIPPED TO: Waste Sampling & Characterization	OFFSITE PROPERTY NO.: N/A		BILL OF LADING/AIR BILL NO.: N/A		

SPECIAL INSTRUCTIONS

** The CACN for all analytical work at WSCF is 401352ES20.□** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.
(1) 8270_SVOA_GCMS: SIM {Acenaphthene, Acenaphthylene, Anthracene, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(ghi)perylene, Benzo(k)fluoranthene, Chrysene, Dibenz[a,h]anthracene, Fluoranthene, Fluorene, Indeno(1,2,3-cd)pyrene, Naphthalene, Phenanthrene, Pyrene}; TPH-DieselKerosene Range - WTPH-D {Total petroleum hydrocarbons - diesel range, Total petroleum hydrocarbons - kerosene range}; PCBs - 8082 {Aroclor-1016, Aroclor-1221, Aroclor-1232, Aroclor-1242, Aroclor-1248, Aroclor-1254, Aroclor-1260};
(2) 200.8_HG - ICPMS {Mercury}; ICP/MS - 200.8 (TAL) {Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc}; ICP/MS - 200.8 (Add-on) {Arsenic, Beryllium, Boron, Lead, Selenium, Strontium, Thallium, Tin, Uranium}; ICP Metals - 6010 (Add-On) {Lithium};
(3) IC Anions - 300.0 {Fluoride, Nitrogen in Nitrate};
(4) Gamma Spectroscopy {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155};
(5) Americium-241; Isotopic Uranium {Uranium-233/234, Uranium-235, Uranium-238}; Isotopic Plutonium {Plutonium-238, Plutonium-239/240}; Strontium-89,90 -- Total Sr; Technetium-99;

PRINTED ON 5/19/2011

N-6002-613 (REV 2)

CH2MHill Plateau Remediation Company

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F11-127-036

COLLECTOR: Sparks	COMPANY CONTACT: BAUER, RG	TELEPHONE NO.: 373-3931	PROJECT COORDINATOR: BAUER, RG	PRICE CODE: 8C
SAMPLING LOCATION: 216-S-26 RV 7	PROJECT DESIGNATION: ARRA Verification Sampling of the 216-S-26 Waste Site and 200-W-148-PL		SAF NO.: F11-127	AIR QUALITY:
ICE CHEST NO.	FIELD LOGBOOK NO.: HNF-N-507-19	ACTUAL SAMPLE DEPTH: 6-12"	COA: 302222ES1C	METHOD OF SHIPMENT: GOVERNMENT VEHICLE
SHIPPED TO: Waste Sampling & Characterization	OFFSITE PROPERTY NO.: N/A		BILL OF LADING/AIR BILL NO.: N/A	

DATA TURNAROUND: 15 Days / 15 Days

ORIGINAL

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

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

PRESERVATION	Cool-4C	Cool-4C	Cool-4C	Cool-4C	None	None
HOLDING TIME	14/40 Days	28 Days	30 Days	28 Days/48 Hours	6 Months	6 Months
TYPE OF CONTAINER	aG	G/P	G/P	G/P	Square Ziploc - Poly	G/P
NO. OF CONTAINER(S)	1	1	1	1	1	1
VOLUME	250mL	250ml	60ml	120mL	500mL	120ml
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS	Chromium Hex 7196	SEE ITEM (3) IN SPECIAL INSTRUCTIONS	SEE ITEM (4) IN SPECIAL INSTRUCTIONS	SEE ITEM (5) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME	[redacted]
B2F046 19	SOIL	5-25-11	1110	X X X X X X

CHAIN OF POSSESSION		SIGN/ PRINT NAMES	
RELINQUISHED BY/REMOVED FROM: D Sparks	DATE/TIME: 5-25-11 1450	RECEIVED BY/STORED IN: TA Fnazim	DATE/TIME: 5-25-11 1450
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
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME

SPECIAL INSTRUCTIONS: SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

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

PRINTED ON 5/19/2011

A 6033 618 (REV 2)

CH2MHill Plateau Remediation Company

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F11-127-036

PAGE 2 OF 2

COLLECTOR: Scales	COMPANY CONTACT: BAUER, RG	TELEPHONE NO.: 373-3931	PROJECT COORDINATOR: BAUER, RG	PRICE CODE:	BC
SAMPLING LOCATION: 216-S-26 RV 7	PROJECT DESIGNATION: ARRA Verification Sampling of the 216-S-26 Waste Site and 200-W 148 PL		SAF NO.: F11-127	AIR QUALITY:	DATA TURNAROUND: 15 Days / 15 Days
ICE CHEST NO.	FIELD LOGBOOK NO.: HNF-N-507-19	ACTUAL SAMPLE DEPTH: 6-12"	COA: 302222ES10	METHOD OF SHIPMENT: GOVERNMENT VEHICLE	ORIGINAL
SHIPPED TO: Waste Sampling & Characterization	OFFSITE PROPERTY NO.: N/A		BILL OF LADING/AIR BILL NO.: N/A		

SPECIAL INSTRUCTIONS

** The CACN for all analytical work at WSCF is 401352ES20 □** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.
(1) 8270_SVOA_GCMS: SIM {Acenaphthene, Acenaphthylene, Anthracene, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(ghi)perylene, Benzo(k)fluoranthene, Chrysene, Dibenz[a,h]anthracene, Fluoranthene, Fluorene, Indeno(1,2,3-cd)pyrene, Naphthalene, Phenanthrene, Pyrene}; TPH-DieselKerosene Range - WTPH-D {Total petroleum hydrocarbons - diesel range, Total petroleum hydrocarbons - kerosene range}, PCBs - 8082 {Aroclor-1016, Aroclor-1221, Aroclor-1232, Aroclor-1242, Aroclor-1248, Aroclor-1254, Aroclor-1260};
(2) 200.8_HG - ICPMS {Mercury}; ICP/MS - 200.8 (TAL) {Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc}; ICP/MS - 200.8 (Add-on) {Arsenic, Beryllium, Boron, Lead, Selenium, Strontium, Thallium, Tin, Uranium}; ICP Metals - 6010 (Add-On) {Lithium};
(3) IC Anions - 300.0 {Fluoride, Nitrogen in Nitrate};
(4) Gamma Spectroscopy {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155};
(5) Americium-241; Isotopic Uranium {Uranium-233/234, Uranium-235, Uranium-238}; Isotopic Plutonium {Plutonium-238, Plutonium-239/240}; Strontium-89,90 -- Total Sr; Technetium-99;

PRINTED ON 5/19/2011

A-6003-618 (REV 2)

CH2MHill Plateau Remediation Company

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F11-127-037

PAGE 1 OF 2

COLLECTOR: D Sparks

SAMPLING LOCATION: 216-S-26 RV 8

ICE CHEST NO.:

COMPANY CONTACT: BAUER, RG

TELEPHONE NO.: 373 3931

PROJECT COORDINATOR: BAUER, RC

PRICE CODE: 8C

DATA TURNAROUND: 15 Days / 15 Days

AIR QUALITY:

PROJECT DESIGNATION: ARRA Verification Sampling of the 216-S-26 Waste Site and 200-W-148-PL

SAF NO.: F11-127

FIELD LOGBOOK NO.: HNF-N-507-19

ACTUAL SAMPLE DEPTH: 6-12"

COA: 302222ES10

METHOD OF SHIPMENT: GOVERNMENT VEHICLE

ORIGINAL

SHIPPED TO: Waste Sampling & Characterization

OFFSITE PROPERTY NO.: N/A

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

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

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

PRESERVATION	Cool~4C	Cool~4C	Cool~4C	Cool~4C	None	None
HOLDING TIME	14/40 Days	28 Days	10 Days	28 Days/48 Hours	6 Months	6 Months
TYPE OF CONTAINER	aG	G/P	G/P	G/P	Square Bottle Poly	G/P
NO. OF CONTAINER(S)	1	1	1	1	1	1
VOLUME	250mL	250mL	60mL	120mL	500mL	120mL
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS	Gamma Rad (7194)	SEE ITEM (3) IN SPECIAL INSTRUCTIONS	SEE ITEM (4) IN SPECIAL INSTRUCTIONS	SEE ITEM (5) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME	[redacted]					
B2F047	20 SOIL	5-25-11	1115	X	X	X	X	X	X

CHAIN OF POSSESSION / SIGN/ PRINT NAMES

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
D Sparks	5-25-11 1450	Victor Jones	5/25/11 1450

SPECIAL INSTRUCTIONS

SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION: RECEIVED BY | TITLE | DATE/TIME

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

PRINTED ON 5/19/2011

A-6003-618 (REV 2)

CH2MHill Plateau Remediation Company	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F11-127-037	PAGE 2 OF 2
COLLECTOR Spark S	COMPANY CONTACT BAUER, RG	TELEPHONE NO. 373-3931	PROJECT COORDINATOR BAUER, RG	PRICE CODE 8C	DATA TURNAROUND 15 Days / 15 Days
SAMPLING LOCATION 216-S-26 RV 8	PROJECT DESIGNATION ARRA Verification Sampling of the 216-S-26 Waste Site and 200-W-148 PL		SAF NO. F11-127	AIR QUALITY	ORIGINAL
ICE CHEST NO.	FIELD LOGBOOK NO. HNF-N-507-19	ACTUAL SAMPLE DEPTH 6-12 ft	COA 302222ES10	METHOD OF SHIPMENT GOVERNMENT VEHICLE	
SHIPPED TO Waste Sampling & Characterization	OFFSITE PROPERTY NO. N/A		BILL OF LADING/AIR BILL NO. N/A		

SPECIAL INSTRUCTIONS

** The CACN for all analytical work at WSCF is 401352ES20.☐** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.
(1) 8270_SVOA_GCMS: SIM {Acenaphthene, Acenaphthylene, Anthracene, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(ghi)perylene, Benzo(k)fluoranthene, Chrysene, Dibenz[a,h]anthracene, Fluoranthene, Fluorene, Indeno(1,2,3-cd)pyrene, Naphthalene, Phenanthrene, Pyrene}; TPH-DieselKerosene Range - WTPH-D {Total petroleum hydrocarbons - diesel range, Total petroleum hydrocarbons - kerosene range}; PCBs - 8082 {Aroclor-1016, Aroclor-1221, Aroclor-1232, Aroclor-1242, Aroclor-1248, Aroclor-1254, Aroclor-1260};
(2) 200.8_HG - ICPMS {Mercury}; ICP/MS - 200.8 (TAL) {Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc}; ICP/MS - 200.8 (Add-on) {Arsenic, Beryllium, Boron, Lead, Selenium, Strontium, Thallium, Tin, Uranium}; ICP Metals - 6010 (Add-On) {Lithium};
(3) IC Anions - 300.0 {Fluoride, Nitrogen in Nitrate};
(4) Gamma Spectroscopy {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155};
(5) Americium-241; Isotopic Uranium {Uranium-233/234, Uranium-235, Uranium-238}; Isotopic Plutonium {Plutonium-238, Plutonium-239/240}; Strontium-89,90 - Total Sr; Technetium-99;

PRINTED ON 5/19/2011

A-6003-518 (REV 2)

CH2MHill Plateau Remediation Company

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F11-127-038

PAGE 1 OF 2

COLLECTOR: Sparks

COMPANY CONTACT: BAUER, RG

TELEPHONE NO.: 373-3931

PROJECT COORDINATOR: BAUER, RG

PRICE CODE: 8C

DATA TURNAROUND: 15 Days / 15 Days

SAMPLING LOCATION: 200-W 148 FL RV 9

PROJECT DESIGNATION: ARRA Verification Sampling of the 216-S-26 Waste Site and 200-W-148 PL

SAF NO.: F11-127

AIR QUALITY: [ ]

ICE CHEST NO.:

FIELD LOGBOOK NO.: HNF-N-507-19

ACTUAL SAMPLE DEPTH: 6"-12"

COA: 302222CS10

METHOD OF SHIPMENT: GOVERNMENT VEHICLE

ORIGINAL

SHIPPED TO: Waste Sampling & Characterization

OFFSITE PROPERTY NO.: N/A

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

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

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

PRESERVATION	Cool-4C	Cool-4C	Cool-4C	Cool-4C	None	None
HOLDING TIME	14/40 Days	28 Days	30 Days	28 Days/48 Hours	6 Months	6 Months
TYPE OF CONTAINER	G	G/P	G/P	G/P	Square Bottle - Poly	G/P
NO. OF CONTAINER(S)	1	1	1	1	1	1
VOLUME	250mL	250mL	60mL	120mL	500ml	120ml
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS	Chrysotile per 7195	SEE ITEM (3) IN SPECIAL INSTRUCTIONS	SEE ITEM (4) IN SPECIAL INSTRUCTIONS	SEE ITEM (5) IN SPECIAL INSTRUCTIONS

SAMPLE NO.		MATRIX*	SAMPLE DATE	SAMPLE TIME						
B2F048	21	SOIL	5-25-11	1125	X	X	X	X	X	X

CHAIN OF POSSESSION

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Dan Sparks	5-25-11 / 1450	TA Frazier	5-25-11 1450
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
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME

SIGN/ PRINT NAMES

SPECIAL INSTRUCTIONS

SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION: RECEIVED BY | TITLE | DATE/TIME

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

PRINTED ON 5/19/2011

A 6003 618 (REV 2)

CH2MHill Plateau Remediation Company

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F11-127-038

PAGE 2 OF 2

COLLECTOR: Sparks	COMPANY CONTACT: BAUER, RG	TELEPHONE NO.: 373-3931	PROJECT COORDINATOR: BAUER, RG	PRICE CODE: 8C	DATA TURNAROUND: 15 Days / 15 Days
SAMPLING LOCATION: 200-W-148-PL RV 9	PROJECT DESIGNATION: ARRA Verification Sampling of the 216-S-26 Waste Site and 200-W-148 PL		SAF NO.: F11-127	AIR QUALITY: ☐	
ICE CHEST NO.	FIELD LOGBOOK NO.: HNF-N-507-19	ACTUAL SAMPLE DEPTH: 6"-12"	COA: 302222ES10	METHOD OF SHIPMENT: GOVERNMENT VEHICLE	ORIGINAL
SHIPPED TO: Waste Sampling & Characterization	OFFSITE PROPERTY NO.: N/A		BILL OF LADING/AIR BILL NO.: N/A		

SPECIAL INSTRUCTIONS

** The CACN for all analytical work at WSCF is 401352ES20.☐** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.
(1) 8270_SVOA_GCMS: SIM {Acenaphthene, Acenaphthylene, Anthracene, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(ghi)perylene, Benzo(k)fluoranthene, Chrysene, Dibenz[a,h]anthracene, Fluoranthene, Fluorene, Indeno(1,2,3-cd)pyrene, Naphthalene, Phenanthrene, Pyrene}; TPH-DieselKerosene Range - WTPH-D {Total petroleum hydrocarbons - diesel range, Total petroleum hydrocarbons - kerosene range}; PCBs - 8082 {Aroclor-1016, Aroclor-1221, Aroclor-1232, Aroclor-1242, Aroclor-1248, Aroclor-1254, Aroclor-1260};
(2) 200.8_HG - ICPMS {Mercury}; ICP/MS - 200.8 (TAL) {Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc}; ICP/MS - 200.8 (Add-on) {Arsenic, Beryllium, Boron, Lead, Selenium, Strontium, Thallium, Tin, Uranium}; ICP Metals - 6010 (Add-On) {Lithium};
(3) IC Anions - 300.0 {Fluoride, Nitrogen in Nitrate};
(4) Gamma Spectroscopy {Cesium 137, Cobalt 60, Europium 152, Europium 154, Europium-155};
(5) Americium-241; Isotopic Uranium {Uranium-233/234, Uranium 235, Uranium 238}; Isotopic Plutonium {Plutonium-238, Plutonium-239/240}; Strontium-89,90 -- Total Sr; Technetium-99;

PRINTED ON 5/10/2011

A 6000 619 (REV 2)

Sample Receipt

Chain of Custody

CH2MHill Plateau Remediation Company — **CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST** — F11-127-039 — PAGE 1 OF 2

COLLECTOR: Sparks

COMPANY CONTACT: BAUER, RG

TELEPHONE NO.: 373-3931

PROJECT COORDINATOR: BAUER, RG

PRICE CODE: 8C

DATA TURNAROUND: 15 Days / 15 Days

SAMPLING LOCATION: 200 W 148-PL RV 10

PROJECT DESIGNATION: ARRA Verification Sampling of the 216-S-26 Waste Site and 200-W-148 PL

SAF NO.: F11-127

AIR QUALITY: ☐

ICE CHEST NO.:

FIELD LOGBOOK NO.: HNF-N-507-19

ACTUAL SAMPLE DEPTH: 6"-12"

COA: 302222ES10

METHOD OF SHIPMENT: GOVERNMENT VEHICLE

ORIGINAL

SHIPPED TO: Waste Sampling & Characterization

OFFSITE PROPERTY NO.: N/A

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

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

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

PRESERVATION	Cool<4C	Cool<4C	Cool<4C	Cool<4C	None	None
HOLDING TIME	14/40 Days	28 Days	30 Days	28 Days/48 Hours	6 Months	6 Months
TYPE OF CONTAINER	BG	G/P	G/P	G/P	Square Bottle - Poly	G/P
NO. OF CONTAINER(S)	1	1	1	1	1	1
VOLUME	250mL	250mL	60mL	120mL	500mL	120mL
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS	Cyanide HOLD - 28d	SEE ITEM (3) IN SPECIAL INSTRUCTIONS	SEE ITEM (4) IN SPECIAL INSTRUCTIONS	SEE ITEM (5) IN SPECIAL INSTRUCTIONS

SAMPLE NO.		MATRIX*	SAMPLE DATE	SAMPLE TIME						
B2F049	22	SOIL	5-25-11	1125	X	X	X	X	X	X

CHAIN OF POSSESSION / SIGN/ PRINT NAMES

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
D.M. Sparks	5-25-11 / 1450	TA FRAZIER	5-25-11 1450

SPECIAL INSTRUCTIONS: SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION — RECEIVED BY — TITLE — DATE/TIME

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

PRINTED ON 5/19/2011

A-6305-818 (REV 2)

CH2MHill Plateau Remediation Company

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F11-127-039

PAGE 2 OF 2

COLLECTOR: Sparks	COMPANY CONTACT: BAUER, RG	TELEPHONE NO.: 373-3931	PROJECT COORDINATOR: BAUER, RG	PRICE CODE: 8C	DATA TURNAROUND: 15 Days / 15 Days
SAMPLING LOCATION: 200 W 148 PL RV 10	PROJECT DESIGNATION: ARRA Verification Sampling of the 216-S-26 Waste Site and 200-W-148-PL		SAF NO.: F11-127	AIR QUALITY:	ORIGINAL
ICE CHEST NO.	FIELD LOGBOOK NO.: HNF-N-507-19	ACTUAL SAMPLE DEPTH: 6"-12"	COA: 302222ES10	METHOD OF SHIPMENT: GOVERNMENT VEHICLE	
SHIPPED TO: Waste Sampling & Characterization	OFFSITE PROPERTY NO.: N/A		BILL OF LADING/AIR BILL NO.: N/A		

SPECIAL INSTRUCTIONS

** The CACN for all analytical work at WSCF is 401352ES20.□** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.
(1) 8270_SVOA_GCMS: SIM {Acenaphthene, Acenaphthylene, Anthracene, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(ghi)perylene, Benzo(k)fluoranthene, Chrysene, Dibenz[a,h]anthracene, Fluoranthene, Fluorene, Indeno(1,2,3-cd)pyrene, Naphthalene, Phenanthrene, Pyrene}; TPH-DieselKerosene Range - WTPH-D {Total petroleum hydrocarbons - diesel range, Total petroleum hydrocarbons - kerosene range}; PCBs 8082 {Aroclor-1016, Aroclor 1221, Aroclor-1232, Aroclor-1242, Aroclor-1248, Aroclor-1254, Aroclor-1260};
(2) 200.8_HG - ICPMS {Mercury}; ICP/MS 200.8 (TAL) {Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc}; ICP/MS - 200.8 (Add on) {Arsenic, Beryllium, Boron, Lead, Selenium, Strontium, Thallium, Tin, Uranium}; ICP Metals 6010 (Add On) {Lithium};
(3) IC Anions - 300.0 {Fluoride, Nitrogen in Nitrate};
(4) Gamma Spectroscopy {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155};
(5) Americium-241; Isotopic Uranium {Uranium-233/234, Uranium-235, Uranium-238}; Isotopic Plutonium {Plutonium-238, Plutonium-239/240}; Strontium-89,90 - Total Sr; Technetium-99;

PRINTED ON 5/19/2011

A 6000 618 (REV 2)