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

FLUOR

Memorandum

M8141-SLF-05-001

To: S. J. Trent A0-21 Date: January 3, 2005

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

cc:

w/Attachments		w/o Attachments	
T. F. Dale	S3-30	D. J. Hart	S3-30
H. K. Meznarich	S3-30	M. A. Neely	S3-30
P. D. Mix	S3-30	H. S. Rich	S3-28
J. E. Trechter	S3-30	L. C. Swanson	E6-35
		File/LB	

Subject: FINAL RESULTS 200-PW2/200-PW-4 OU – BOREHOLE SOIL SAMPLING – SAMPLE DELIVERY GROUP WSCF20042230 – SAF NUMBER F03-006

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

(2) HNF-SD-CD-QAPP-017, Rev. 6, Waste Sampling & Characterization Facility Quality Assurance Plan

This letter contains a narrative (Attachment 1) for sample delivery group WSCF20042230, the analytical results (Attachment 2), and the sample receipt information (Attachment 3).

SLF/grf

Attachments 3

RECEIVED
JAN – 6 2005

M8141-SLF-05-001

ATTACHMENT 1

NARRATIVE

Consisting of 9 pages
Including cover page

Sample Delivery Group	**WSCF20042230**
Sample Matrix	**SOLID**
Sample Visual	**N/A**
SAF Number	**F03-006**
Data Deliverable	**Summary Report**

Introduction

Five (5) 200-PW-2/200-PW-4 OU Borehole Soil Sampling, 216-S-7, 24.0' – 56.5', GRP samples (B1B573, B1B574, B1B575, B1B576 and B1B577) were received at the WSCF Laboratory on November 23, 2004. The samples were analyzed for the analytes indicated on the attached copies of the chain of custody (COC) form in accordance with the *Groundwater Remediation Program-Letter of Instruction*, referenced in the cover letter.

The narrative (Attachment 1) will address sample characteristics, analyses requested and general information in performance of the analytical methods. A Data Summary Report (Attachment 2) includes analytical results, a comment report detailing method abnormalities, tentatively identified peaks if applicable, method references, and Laboratory QC information. Copies of the chain of custody and Request for Sample Analysis forms are included as Attachment 3.

Analytical Methodology for Requested Analyses

Inorganic

- Ammonia by EPA Method 300.7. Analytical work was performed with no deviations to the approved method.
- Anions by EPA Method 300. Analytical work was performed with no deviations to the approved method.
- Cyanide by EPA Method 335.2. Analytical work was performed with no deviations to the approved method.
- ICP-MS Metals by EPA Method 200.8. Analytical work was performed with no deviations to the approved method.
- ICP-AES Metals by EPA Method 6010B. Analytical work was performed with no deviations to the approved method.
- Percent Solids by EPA Method 160.3. Analytical work was performed with no deviations to the approved method.

- pH by EPA Method 150.1. Analytical work was performed with no deviations to the approved method.

Organic

- Semi-VOA by EPA Method 8270C. Analytical work was performed with no deviations to the approved method.

- TPH Diesel Range by WDOE Method NWTPH-Dx/Gx. Analytical work was performed with no deviations to the approved method.

- TPH Gas Range by WDOE Method NWTPH-Dx/Gx. Analytical work was performed with no deviations to the approved method.

- VOA by EPA Method 8260B. Analytical work was performed with no deviations to the approved method.

Radiochemistry

- All RadChem analyses (AEA (Plutonium, Americium, Uranium, Neptunium) GEA, Strontium-89/90) were run by internal WDOE accredited WSCF procedures. Analytical work was performed with no deviations to the approved method.

Inorganic Comments

Ammonia - The hold time for this analysis was met. A Blank, Duplicate, Laboratory Control Sample, Matrix Spike and Matrix Spiked Duplicate were analyzed with each delivery group per the GRP Letter of Instruction. See page 18 for QC details. Analytical Notes:

- Sample B1B574, B1B575, B1B576 and B1B577 results were B-flagged; the analytes were less than the reportable detection limit, but greater than or equal to the method detection limit.

- The Duplicate Relative Percent Difference exceeded established laboratory limits. The RPD criterion is not applicable to low level samples.

All other QC controls are within the established limits.

Anions - The hold times for nitrite and nitrate were not met. A Blank, Duplicate, Laboratory Control Sample, Matrix Spike and Matrix Spiked Duplicate were analyzed with each delivery group per GRP Letter of Instruction. See pages 19 through 20 for QC details. Analytical Notes:

- Preparation Date: 01-dec-2004.

- Chloride and Sulfate - Sample B1B573, B1B576 and B1B577 results were B-flagged; the analytes were less than the reportable detection limit, but greater than or equal to the method detection limit.

- Nitrate - Sample B1B574 and B1B575 results were B-flagged; the analytes were less than the reportable detection limit, but greater than or equal to the method detection limit.

- Chloride – The Duplicate Relative Percent Difference exceeded established laboratory limits. The RPD criterion is not applicable to low level samples.

All QC controls are within the established limits.

Cyanide - The hold times for this analysis was met. A Blank, Preparation Blank, Laboratory Control Sample, Matrix Spike and Matrix Spiked Duplicate were analyzed with each delivery group per the GRP Letter of Instruction. See page 21 for QC details. All QC controls are within the established limits.

ICP-AES Metals (Boron and Bismuth only) – The hold time for this analysis was met. A Blank, Laboratory Control Sample, Matrix Spike and Matrix Spiked Duplicate were analyzed with each delivery group per the GRP Letter of Instruction. See page 22 for QC details. Analytical Notes:

- Preparation Date: 15-dec-2004.

- Boron - The analyte detected in the associated preparation Blank sample was evaluated and there was no significant affect on the sample result.

All other QC controls are within the established limits.

ICP-MS Metals – The hold time for this analysis was met. A Blank, Laboratory Control Sample, Matrix Spike and Matrix Spiked Duplicate were analyzed with each delivery group per the GRP Letter of Instruction. See pages 23 through 26 for QC details. Analytical Notes:

- Preparation Date: 07-dec-2004.

- Antimony, Chromium and Silver - The analytes detected in the associated preparation Blank sample were evaluated and there was no significant affect on the sample B1B573 result.

All other QC controls are within the established limits.

pH - The hold time for this analysis was met. All laboratory QC controls are within the established limits.

Percent Solids – analyzed for organic analysis correction only.

Organic Comments

- VOA and TPHG analyses for sample B1B573, B1B574 and B1B575 were deleted due to high radiation levels.

Semi-VOA – The hold time for this analysis was met. A Blank, Laboratory Control Sample, Matrix Spike and Matrix Spiked Duplicate were analyzed with each delivery group per the GRP Letter of Instruction. See pages 35 through 41 for QC details. Analytical Notes:

- Preparation Date: 29-nov-2004.
- Matrix Spike and Matrix Spike Duplicate QC samples were analyzed on sample# B19196 (SDG# 20042240, SAF# F03-025).
- Diethylphthalate and Di-n-butylphthalate - sample B1B573 results were J flagged; results were less than the lowest calibration standard but greater than the detection limit.

All QC controls are within the established limits.

TPHD -WA- The hold time for this analysis were met. A Blank, Laboratory Control Sample, Matrix Spike and Matrix Spiked Duplicate were analyzed with each delivery group per GRP Letter of Instruction. See pages 42 through 43 for QC details. Analytical Notes:

- Preparation Date: 29-nov-2004.
- Matrix Spike and Matrix Spike Duplicate QC samples were analyzed on sample# B19196 (SDG# 20042240, SAF# F03-025).

All QC controls are within the established limits.

TPHG-WA - The hold time for this analysis were met. A Blank, Duplicate, Laboratory Control Sample, Matrix Spike and Matrix Spiked Duplicate were analyzed with each delivery group per GRP Letter of Instruction. See page 44 for QC details. Analytical Note:

- Preparation Date: 29-nov-2004.

All QC controls are within the established limits.

VOA – The hold time for this analysis was met. A Blank, Laboratory Control Sample, Matrix Spike and Matrix Spiked Duplicate were analyzed with each delivery group per the GRP Letter of Instruction. See pages 45 through 47 for QC details. Analytical Notes:

- Toluene – samples B1B576 and B1B577 results were B-flagged; analyte found in the associated Blank QC sample.
- Toluene - sample B1B577 result was J flagged; result was less than the lowest calibration standard but greater than the detection limit.

All other QC controls are within the established limits.

Radiochemistry Comments

RadChem – There are no hold times associated with these WDOE accredited methods. A Blank, Laboratory Control Sample and Duplicate were analyzed with each delivery group per the GRP Letter of Instruction. See pages 54 through 62 for QC details. Analytical Notes:

- Americium-241 – Duplicate QC sample result associated with sample B1B573 Relative Percent Difference exceeded established laboratory limits. The sample was not homogeneous.
- Americum-241 for sample B1B573 was detected in both the GEA and AEA analyses.
- Neptunium-237 – Sample B1B573 Duplicate Relative Percent Difference exceeded established laboratory limit and the Laboratory Control Sample recovery was below established laboratory limits. Sample B1B573 result was X (estimate) flagged. Sample B1B574 and B1B575 results were below the detection limit and not flagged, but should be considered suspect.
- Neptunium-237 – Sample B1B576 Laboratory Control Sample recovery was below established laboratory limits. Samples B1B576 and B1B577 results were below the detection limit and not flagged, but should be considered suspect.
- Plutonium-239/240 - Duplicate QC sample result associated with sample B1B573 Relative Percent Difference exceeded established laboratory limits. The sample was not homogeneous.
- Strontium-89/90 - Duplicate QC samples were analyzed on sample# B19356 (SDG# 20042253, SAF# F04-020).
- Strontium-89/90 - Relative Percent Difference for sample# B19356 was below established laboratory limits. The RPD criterion is not applicable to low level samples with high counting error.
- Strontium-89/90 - Relative Percent Difference for sample# B1B573 exceeded established laboratory limits. The sample was not homogeneous.
- Uranium-238 - Relative Percent Difference for sample# B1B576 exceeded established laboratory limits. The sample was not homogeneous.

All other QC controls are within the established limits.

Radiochemical Tracer Percent Recovery

Sample Number	Lab Sample ID	Isotope	Tracer Recovery (Percent)
BLANK		Sr-85	91.1

Radiochemical Tracer Percent Recovery			
Sample Number	Lab Sample ID	Isotope	Tracer Recovery (Percent)
LCS		Sr-85	98.6
B19356	W040002460	Sr-85	101.9
DUPLICATE	W040002460	Sr-85	105.7
B1B576	W040002328	Sr-85	90.7
B1B577	W040002329	Sr-85	91.9
BLANK		Sr-85	85.2
LCS		Sr-85	91.2
B1B573	W040002325	Sr-85	83.8
DUPLICATE	W040002325	Sr-85	90.0
B1B574	W040002326	Sr-85	84.9
B1B575	W040002327	Sr-85	86.0
BLANK		U-232	83.0
LCS		U-232	65.1
B1B573	W040002325	U-232	66.1
DUPLICATE	W040002325	U-232	76.5
B1B574	W040002326	U-232	77.0
B1B575	W040002327	U-232	79.0
BLANK		U-232	88.4
LCS		U-232	77.4
B1B576	W040002328	U-232	78.2
DUPLICATE	W040002328	U-232	81.2
B1B577	W040002329	U-232	81.6

Radiochemical Tracer Percent Recovery			
Sample Number	Lab Sample ID	Isotope	Tracer Recovery (Percent)
BLANK		Pu-242	77.0
LCS		Pu-242	80.4
B1B573	W040002325	Pu-242	89.0
DUPLICATE	W040002325	Pu-242	71.9
B1B574	W040002326	Pu-242	86.7
B1B575	W040002327	Pu-242	88.4
BLANK		Pu-242	90.8
LCS		Pu-242	95.4
B1B576	W040002328	Pu-242	80.4
DUPLICATE	W040002328	Pu-242	82.3
B1B577	W040002329	Pu-242	85.9
BLANK		Am-243	74.9
LCS		Am-243	79.4
B1B573	W040002325	Am-243	85.9
DUPLICATE	W040002325	Am-243	91.4
B1B574	W040002326	Am-243	87.4
B1B575	W040002327	Am-243	84.0
BLANK		Am-243	87.6
LCS		Am-243	97.2
B1B576	W040002328	Am-243	83.7
DUPLICATE	W040002328	Am-243	85.4
B1B577	W040002329	Am-243	84.5

This Summary Report is in compliance with the SOW, both technically and for completeness. Release of the data contained in this hard copy report has been authorized by the WSCF Laboratory Analytical Manager and Client Services, as verified by the following signature.

Herlene S. Rich
WSCF Production Control

Abbreviations

Hg – mercury
IC – ion chromatography
ICP – inductively coupled plasma
ICP/AES – ICP/atomic emission spectroscopy
ICP/MS – ICP/mass spectrometry
Total U – total uranium
AT/TB – total alpha/total beta
AEA – Alpha Energy Analysis
WTPH-G – Total Hydrocarbons-Gasoline
Am – americium
Cm - curium
Pu – plutonium
Np – neptunium
GEA – gamma energy analysis
H3 – Tritium
Sr – Strontium 89, 90
WTPH-D – Total Hydrocarbons-Diesel
TSS – Total Suspended Solids

M8141-SLF-05-001

ATTACHMENT 2

ANALYTICAL RESULTS

Consisting of 62 pages
Including cover page

WSCF
ANALYTICAL RESULTS REPORT

for

Groundwater Remediation Program

Richland, WA 99354

Attention: Steve Trent

Analytical: _____

Client Services: _____

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

Confidentiality Notice: The information contained in this report is privileged and confidential information intended only for the use of the addressee. If the reader of this report is not the intended recipient, or the employee or agent responsible to deliver it to the intended recipient, you are hereby notified that any dissemination, distribution or copying of this communication is strictly prohibited. If you have received this communication in error, please notify us immediately by telephone at (509) 373-7020.

Contract#: FH-EIS-2003-MEM-001
Report#: WSCF20042230
Report Date: 22-dec-2004
Report WGPP/ver. 1.1

WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent
Project: F03-006: 200-PW-2/PW-4

Group #: WSCF20042230

Sample #	Client ID			CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
Inorganic															
W040002325	B1B573	GRP	TRENT	57-12-5	Cyanide	SOIL	LA-695-402	U	< 0.200	mg/kg	1.00	0.20	12/01/04	11/15/04	11/23/04
W040002325	B1B573	GRP	TRENT	NH4-N	Nitrogen in ammonium	SOIL	LA-503-401		14.6	mg/kg	2.00e+002	0.80	12/09/04	11/15/04	11/23/04
W040002325	B1B573	GRP	TRENT	TS	Total solids	SOIL	LA-519-412		113	%	1.00	0.0	12/06/04	11/15/04	11/23/04
W040002325	B1B573	GRP	TRENT	PH	pH Measurement	SOIL	LA-212-411		9.88	pH	1.00	0.010	12/01/04	11/15/04	11/23/04
W040002325	B1B573	GRP	TRENT	16984-48-8	Fluoride	SOIL	LA-533-410	U	< 4.32	mg/kg	1.88e+002	4.3	12/01/04	11/15/04	11/23/04
W040002325	B1B573	GRP	TRENT	16887-00-6	Chloride	SOIL	LA-533-410	B	12.4	mg/kg	1.88e+002	9.8	12/01/04	11/15/04	11/23/04
W040002325	B1B573	GRP	TRENT	NO2-N	Nitrogen in Nitrite	SOIL	LA-533-410	U	< 3.57	mg/kg	1.88e+002	3.6	12/01/04	11/15/04	11/23/04
W040002325	B1B573	GRP	TRENT	NO3-N	Nitrogen in Nitrate	SOIL	LA-533-410		34.5	mg/kg	1.88e+002	2.4	12/01/04	11/15/04	11/23/04
W040002325	B1B573	GRP	TRENT	PO4-P	Phosphate (P) by IC	SOIL	LA-533-410	U	< 10.2	mg/kg	1.88e+002	10	12/01/04	11/15/04	11/23/04
W040002325	B1B573	GRP	TRENT	14808-79-8	Sulfate	SOIL	LA-533-410	B	22.5	mg/kg	1.88e+002	19	12/01/04	11/15/04	11/23/04
W040002325	B1B573	GRP	TRENT	7440-42-8	Boron	SOIL	LA-505-411	U	< 2.27	mg/kg	87.32	2.3	12/15/04	11/15/04	11/23/04
W040002325	B1B573	GRP	TRENT	7440-69-9	Bismuth	SOIL	LA-505-411	U	< 1.92	mg/kg	87.32	1.9	12/15/04	11/15/04	11/23/04
W040002325	B1B573	GRP	TRENT	7440-02-0	Nickel	SOIL	LA-505-412		7.78	mg/kg	9.42	4.7	12/08/04	11/15/04	11/23/04
W040002325	B1B573	GRP	TRENT	7440-22-4	Silver	SOIL	LA-505-412	U	< 1.88	mg/kg	9.42	1.9	12/08/04	11/15/04	11/23/04
W040002325	B1B573	GRP	TRENT	7440-36-0	Antimony	SOIL	LA-505-412	U	< 4.71	mg/kg	9.42	4.7	12/08/04	11/15/04	11/23/04
W040002325	B1B573	GRP	TRENT	7440-39-3	Barium	SOIL	LA-505-412		127	mg/kg	9.42	1.9	12/08/04	11/15/04	11/23/04
W040002325	B1B573	GRP	TRENT	7440-41-7	Beryllium	SOIL	LA-505-412	U	< 2.83	mg/kg	9.42	2.8	12/08/04	11/15/04	11/23/04
W040002325	B1B573	GRP	TRENT	7440-43-9	Cadmium	SOIL	LA-505-412	U	< 0.942	mg/kg	9.42	0.94	12/08/04	11/15/04	11/23/04
W040002325	B1B573	GRP	TRENT	7440-47-3	Chromium	SOIL	LA-505-412		11.6	mg/kg	9.42	2.8	12/08/04	11/15/04	11/23/04
W040002325	B1B573	GRP	TRENT	7440-50-8	Copper	SOIL	LA-505-412		15.0	mg/kg	9.42	4.7	12/08/04	11/15/04	11/23/04
W040002325	B1B573	GRP	TRENT	7439-92-1	Lead	SOIL	LA-505-412	U	< 11.3	mg/kg	9.42	11	12/08/04	11/15/04	11/23/04
W040002325	B1B573	GRP	TRENT	7439-97-6	Mercury	SOIL	LA-505-412	U	< 0.942	mg/kg	9.42	0.94	12/08/04	11/15/04	11/23/04
W040002325	B1B573	GRP	TRENT	7440-61-1	Uranium	SOIL	LA-505-412		463	mg/kg	9.42	0.94	12/08/04	11/15/04	11/23/04
W040002325	B1B573	GRP	TRENT	7440-38-2	Arsenic	SOIL	LA-505-412		4.08	mg/kg	9.42	2.8	12/08/04	11/15/04	11/23/04
W040002325	B1B573	GRP	TRENT	7782-49-2	Selenium	SOIL	LA-505-412	U	< 2.83	mg/kg	9.42	2.8	12/08/04	11/15/04	11/23/04
W040002326	B1B574	GRP	TRENT	57-12-5	Cyanide	SOIL	LA-695-402	U	< 0.200	mg/kg	1.00	0.20	12/01/04	11/16/04	11/23/04

MDL = Minimum Detection Limit
RQ = Result Qualifier

B - The analyte < the RDL but > = the IDL/MDL (inorganic)
U - Analyzed for but not detected above limiting criteria.
J - Analyte is an estimate, has potentially larger errors
X - Other flags and notes described in the comments/narrative.

DF = Dilution Factor

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

WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent
Project: F03-006: 200-PW-2/PW-4

Group #: WSCF20042230

Sample #	Client ID			CAS #	Test Performed	Matrix	WSCF Method	RQ		Result	Unit	DF	MDL	Analyze	Sample	Receive
W040002326	B1B574	GRP	TRENT	NH4-N	Nitrogen in ammonium	SOIL	LA-503-401	B		6.67	mg/kg	2.00e+002	0.80	12/09/04	11/16/04	11/23/04
W040002326	B1B574	GRP	TRENT	TS	Total solids	SOIL	LA-519-412			119	%	1.00	0.0	12/06/04	11/16/04	11/23/04
W040002326	B1B574	GRP	TRENT	PH	pH Measurement	SOIL	LA-212-411			10.0	pH	1.00	0.010	12/01/04	11/16/04	11/23/04
W040002326	B1B574	GRP	TRENT	16984-48-8	Fluoride	SOIL	LA-533-410	U	<	4.51	mg/kg	1.96e+002	4.5	12/01/04	11/16/04	11/23/04
W040002326	B1B574	GRP	TRENT	16887-00-6	Chloride	SOIL	LA-533-410	U	<	10.2	mg/kg	1.96e+002	10	12/01/04	11/16/04	11/23/04
W040002326	B1B574	GRP	TRENT	NO2-N	Nitrogen in Nitrite	SOIL	LA-533-410	U	<	3.72	mg/kg	1.96e+002	3.7	12/01/04	11/16/04	11/23/04
W040002326	B1B574	GRP	TRENT	NO3-N	Nitrogen in Nitrate	SOIL	LA-533-410	B		20.7	mg/kg	1.96e+002	2.5	12/01/04	11/16/04	11/23/04
W040002326	B1B574	GRP	TRENT	PO4-P	Phosphate (P) by IC	SOIL	LA-533-410	U	<	10.6	mg/kg	1.96e+002	11	12/01/04	11/16/04	11/23/04
W040002326	B1B574	GRP	TRENT	14808-79-8	Sulfate	SOIL	LA-533-410	U	<	19.6	mg/kg	1.96e+002	20	12/01/04	11/16/04	11/23/04
W040002326	B1B574	GRP	TRENT	7440-02-0	Nickel	SOIL	LA-505-412			7.25	mg/kg	8.57	4.3	12/08/04	11/16/04	11/23/04
W040002326	B1B574	GRP	TRENT	7440-22-4	Silver	SOIL	LA-505-412	U	<	1.71	mg/kg	8.57	1.7	12/08/04	11/16/04	11/23/04
W040002326	B1B574	GRP	TRENT	7440-36-0	Antimony	SOIL	LA-505-412	U	<	4.28	mg/kg	8.57	4.3	12/08/04	11/16/04	11/23/04
W040002326	B1B574	GRP	TRENT	7440-39-3	Barium	SOIL	LA-505-412			83.8	mg/kg	8.57	1.7	12/08/04	11/16/04	11/23/04
W040002326	B1B574	GRP	TRENT	7440-41-7	Beryllium	SOIL	LA-505-412	U	<	2.57	mg/kg	8.57	2.6	12/08/04	11/16/04	11/23/04
W040002326	B1B574	GRP	TRENT	7440-43-9	Cadmium	SOIL	LA-505-412	U	<	0.857	mg/kg	8.57	0.86	12/08/04	11/16/04	11/23/04
W040002326	B1B574	GRP	TRENT	7440-47-3	Chromium	SOIL	LA-505-412			11.6	mg/kg	8.57	2.6	12/08/04	11/16/04	11/23/04
W040002326	B1B574	GRP	TRENT	7440-50-8	Copper	SOIL	LA-505-412			9.51	mg/kg	8.57	4.3	12/08/04	11/16/04	11/23/04
W040002326	B1B574	GRP	TRENT	7439-92-1	Lead	SOIL	LA-505-412	U	<	10.3	mg/kg	8.57	10	12/08/04	11/16/04	11/23/04
W040002326	B1B574	GRP	TRENT	7439-97-6	Mercury	SOIL	LA-505-412	U	<	0.857	mg/kg	8.57	0.86	12/08/04	11/16/04	11/23/04
W040002326	B1B574	GRP	TRENT	7440-61-1	Uranium	SOIL	LA-505-412			32.8	mg/kg	8.57	0.86	12/08/04	11/16/04	11/23/04
W040002326	B1B574	GRP	TRENT	7440-38-2	Arsenic	SOIL	LA-505-412			2.82	mg/kg	8.57	2.6	12/08/04	11/16/04	11/23/04
W040002326	B1B574	GRP	TRENT	7782-49-2	Selenium	SOIL	LA-505-412	U	<	2.57	mg/kg	8.57	2.6	12/08/04	11/16/04	11/23/04
W040002327	B1B575	GRP	TRENT	57-12-5	Cyanide	SOIL	LA-695-402	U	<	0.200	mg/kg	1.00	0.20	12/01/04	11/16/04	11/23/04
W040002327	B1B575	GRP	TRENT	NH4-N	Nitrogen in ammonium	SOIL	LA-503-401	B		4.20	mg/kg	2.00e+002	0.80	12/09/04	11/16/04	11/23/04
W040002327	B1B575	GRP	TRENT	TS	Total solids	SOIL	LA-519-412			119	%	1.00	0.0	12/06/04	11/16/04	11/23/04
W040002327	B1B575	GRP	TRENT	PH	pH Measurement	SOIL	LA-212-411			9.89	pH	1.00	0.010	12/01/04	11/16/04	11/23/04
W040002327	B1B575	GRP	TRENT	16984-48-8	Fluoride	SOIL	LA-533-410	U	<	4.48	mg/kg	1.95e+002	4.5	12/01/04	11/16/04	11/23/04

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WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent
Project: F03-006: 200-PW-2/PW-4

Group #: WSCF20042230

Sample #	Client ID			CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W040002327	B1B575	GRP	TRENT	16887-00-6	Chloride	SOIL	LA-533-410	U	< 10.1	mg/kg	1.95e+002	10	12/01/04	11/16/04	11/23/04
W040002327	B1B575	GRP	TRENT	NO2-N	Nitrogen in Nitrite	SOIL	LA-533-410	U	< 3.70	mg/kg	1.95e+002	3.7	12/01/04	11/16/04	11/23/04
W040002327	B1B575	GRP	TRENT	NO3-N	Nitrogen in Nitrate	SOIL	LA-533-410	B	16.2	mg/kg	1.95e+002	2.5	12/01/04	11/16/04	11/23/04
W040002327	B1B575	GRP	TRENT	PO4-P	Phosphate (P) by IC	SOIL	LA-533-410	U	< 10.5	mg/kg	1.95e+002	11	12/01/04	11/16/04	11/23/04
W040002327	B1B575	GRP	TRENT	14808-79-8	Sulfate	SOIL	LA-533-410	U	< 19.5	mg/kg	1.95e+002	20	12/01/04	11/16/04	11/23/04
W040002327	B1B575	GRP	TRENT	7440-02-0	Nickel	SOIL	LA-505-412		5.39	mg/kg	8.91	4.5	12/08/04	11/16/04	11/23/04
W040002327	B1B575	GRP	TRENT	7440-22-4	Silver	SOIL	LA-505-412	U	< 1.78	mg/kg	8.91	1.8	12/08/04	11/16/04	11/23/04
W040002327	B1B575	GRP	TRENT	7440-36-0	Antimony	SOIL	LA-505-412	U	< 4.46	mg/kg	8.91	4.5	12/08/04	11/16/04	11/23/04
W040002327	B1B575	GRP	TRENT	7440-39-3	Barium	SOIL	LA-505-412		81.1	mg/kg	8.91	1.8	12/08/04	11/16/04	11/23/04
W040002327	B1B575	GRP	TRENT	7440-41-7	Beryllium	SOIL	LA-505-412	U	< 2.67	mg/kg	8.91	2.7	12/08/04	11/16/04	11/23/04
W040002327	B1B575	GRP	TRENT	7440-43-9	Cadmium	SOIL	LA-505-412	U	< 0.891	mg/kg	8.91	0.89	12/08/04	11/16/04	11/23/04
W040002327	B1B575	GRP	TRENT	7440-47-3	Chromium	SOIL	LA-505-412		4.21	mg/kg	8.91	2.7	12/08/04	11/16/04	11/23/04
W040002327	B1B575	GRP	TRENT	7440-50-8	Copper	SOIL	LA-505-412		9.20	mg/kg	8.91	4.5	12/08/04	11/16/04	11/23/04
W040002327	B1B575	GRP	TRENT	7439-92-1	Lead	SOIL	LA-505-412	U	< 10.7	mg/kg	8.91	11	12/08/04	11/16/04	11/23/04
W040002327	B1B575	GRP	TRENT	7439-97-6	Mercury	SOIL	LA-505-412	U	< 0.891	mg/kg	8.91	0.89	12/08/04	11/16/04	11/23/04
W040002327	B1B575	GRP	TRENT	7440-61-1	Uranium	SOIL	LA-505-412		26.8	mg/kg	8.91	0.89	12/08/04	11/16/04	11/23/04
W040002327	B1B575	GRP	TRENT	7440-38-2	Arsenic	SOIL	LA-505-412		4.31	mg/kg	8.91	2.7	12/08/04	11/16/04	11/23/04
W040002327	B1B575	GRP	TRENT	7782-49-2	Selenium	SOIL	LA-505-412	U	< 2.67	mg/kg	8.91	2.7	12/08/04	11/16/04	11/23/04
W040002328	B1B576	GRP	TRENT	57-12-5	Cyanide	SOIL	LA-695-402	U	< 0.200	mg/kg	1.00	0.20	12/01/04	11/18/04	11/23/04
W040002328	B1B576	GRP	TRENT	NH4-N	Nitrogen in ammonium	SOIL	LA-503-401	B	1.11	mg/kg	50.00	0.20	12/09/04	11/18/04	11/23/04
W040002328	B1B576	GRP	TRENT	TS	Total solids	SOIL	LA-519-412		111	%	1.00	0.0	12/02/04	11/18/04	11/23/04
W040002328	B1B576	GRP	TRENT	PH	pH Measurement	SOIL	LA-212-411		9.79	pH	1.00	0.010	12/01/04	11/18/04	11/23/04
W040002328	B1B576	GRP	TRENT	16984-48-8	Fluoride	SOIL	LA-533-410	U	< 1.13	mg/kg	49.00	1.1	12/01/04	11/18/04	11/23/04
W040002328	B1B576	GRP	TRENT	16887-00-6	Chloride	SOIL	LA-533-410	B	3.91	mg/kg	49.00	2.5	12/01/04	11/18/04	11/23/04
W040002328	B1B576	GRP	TRENT	NO2-N	Nitrogen in Nitrite	SOIL	LA-533-410	U	< 0.931	mg/kg	49.00	0.93	12/01/04	11/18/04	11/23/04
W040002328	B1B576	GRP	TRENT	NO3-N	Nitrogen in Nitrate	SOIL	LA-533-410		28.4	mg/kg	49.00	0.64	12/01/04	11/18/04	11/23/04
W040002328	B1B576	GRP	TRENT	PO4-P	Phosphate (P) by IC	SOIL	LA-533-410	U	< 2.65	mg/kg	49.00	2.6	12/01/04	11/18/04	11/23/04

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WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent
Project: F03-006: 200-PW-2/PW-4

Group #: WSCF20042230

Sample #	Client ID			CAS #	Test Performed	Matrix	WSCF Method	RQ		Result	Unit	DF	MDL	Analyze	Sample	Receive
W040002328	B1B576	GRP	TRENT	14808-79-8	Sulfate	SOIL	LA-533-410	B		27.9	mg/kg	49.00	4.9	12/01/04	11/18/04	11/23/04
W040002328	B1B576	GRP	TRENT	7440-02-0	Nickel	SOIL	LA-505-412			7.83	mg/kg	9.72	4.9	12/08/04	11/18/04	11/23/04
W040002328	B1B576	GRP	TRENT	7440-22-4	Silver	SOIL	LA-505-412	U	<	1.94	mg/kg	9.72	1.9	12/08/04	11/18/04	11/23/04
W040002328	B1B576	GRP	TRENT	7440-36-0	Antimony	SOIL	LA-505-412	U	<	4.86	mg/kg	9.72	4.9	12/08/04	11/18/04	11/23/04
W040002328	B1B576	GRP	TRENT	7440-39-3	Barium	SOIL	LA-505-412			48.7	mg/kg	9.72	1.9	12/08/04	11/18/04	11/23/04
W040002328	B1B576	GRP	TRENT	7440-41-7	Beryllium	SOIL	LA-505-412	U	<	2.92	mg/kg	9.72	2.9	12/08/04	11/18/04	11/23/04
W040002328	B1B576	GRP	TRENT	7440-43-9	Cadmium	SOIL	LA-505-412	U	<	0.972	mg/kg	9.72	0.97	12/08/04	11/18/04	11/23/04
W040002328	B1B576	GRP	TRENT	7440-47-3	Chromium	SOIL	LA-505-412			8.85	mg/kg	9.72	2.9	12/08/04	11/18/04	11/23/04
W040002328	B1B576	GRP	TRENT	7440-50-8	Copper	SOIL	LA-505-412			7.89	mg/kg	9.72	4.9	12/08/04	11/18/04	11/23/04
W040002328	B1B576	GRP	TRENT	7439-92-1	Lead	SOIL	LA-505-412	U	<	11.7	mg/kg	9.72	12	12/08/04	11/18/04	11/23/04
W040002328	B1B576	GRP	TRENT	7439-97-6	Mercury	SOIL	LA-505-412	U	<	0.972	mg/kg	9.72	0.97	12/08/04	11/18/04	11/23/04
W040002328	B1B576	GRP	TRENT	7440-61-1	Uranium	SOIL	LA-505-412			3.56	mg/kg	9.72	0.97	12/08/04	11/18/04	11/23/04
W040002328	B1B576	GRP	TRENT	7440-38-2	Arsenic	SOIL	LA-505-412	U	<	2.92	mg/kg	9.72	2.9	12/08/04	11/18/04	11/23/04
W040002328	B1B576	GRP	TRENT	7782-49-2	Selenium	SOIL	LA-505-412	U	<	2.92	mg/kg	9.72	2.9	12/08/04	11/18/04	11/23/04
W040002329	B1B577	GRP	TRENT	57-12-5	Cyanide	SOIL	LA-695-402	U	<	0.200	mg/kg	1.00	0.20	12/01/04	11/22/04	11/23/04
W040002329	B1B577	GRP	TRENT	NH4-N	Nitrogen in ammonium	SOIL	LA-503-401	B		1.46	mg/kg	49.00	0.20	12/09/04	11/22/04	11/23/04
W040002329	B1B577	GRP	TRENT	TS	Total solids	SOIL	LA-519-412			117	%	1.00	0.0	12/02/04	11/22/04	11/23/04
W040002329	B1B577	GRP	TRENT	PH	pH Measurement	SOIL	LA-212-411			10.2	pH	1.00	0.010	12/01/04	11/22/04	11/23/04
W040002329	B1B577	GRP	TRENT	16984-48-8	Fluoride	SOIL	LA-533-410	U	<	1.13	mg/kg	49.00	1.1	12/01/04	11/22/04	11/23/04
W040002329	B1B577	GRP	TRENT	16887-00-6	Chloride	SOIL	LA-533-410	B		3.92	mg/kg	49.00	2.5	12/01/04	11/22/04	11/23/04
W040002329	B1B577	GRP	TRENT	NO2-N	Nitrogen in Nitrite	SOIL	LA-533-410	U	<	0.931	mg/kg	49.00	0.93	12/01/04	11/22/04	11/23/04
W040002329	B1B577	GRP	TRENT	NO3-N	Nitrogen in Nitrate	SOIL	LA-533-410			8.66	mg/kg	49.00	0.64	12/01/04	11/22/04	11/23/04
W040002329	B1B577	GRP	TRENT	PO4-P	Phosphate (P) by IC	SOIL	LA-533-410	U	<	2.65	mg/kg	49.00	2.6	12/01/04	11/22/04	11/23/04
W040002329	B1B577	GRP	TRENT	14808-79-8	Sulfate	SOIL	LA-533-410	B		21.5	mg/kg	49.00	4.9	12/01/04	11/22/04	11/23/04
W040002329	B1B577	GRP	TRENT	7440-02-0	Nickel	SOIL	LA-505-412			18.4	mg/kg	9.76	4.9	12/08/04	11/22/04	11/23/04
W040002329	B1B577	GRP	TRENT	7440-22-4	Silver	SOIL	LA-505-412	U	<	1.95	mg/kg	9.76	2.0	12/08/04	11/22/04	11/23/04
W040002329	B1B577	GRP	TRENT	7440-36-0	Antimony	SOIL	LA-505-412	U	<	4.88	mg/kg	9.76	4.9	12/08/04	11/22/04	11/23/04

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WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent
Project: F03-006: 200-PW-2/PW-4

Group #: WSCF20042230

Sample #	Client ID			CAS #	Test Performed	Matrix	WSCF Method	RQ		Result	Unit	DF	MDL	Analyze	Sample	Receive
W040002329	B1B577	GRP	TRENT	7440-39-3	Barium	SOIL	LA-505-412			74.8	mg/kg	9.76	2.0	12/08/04	11/22/04	11/23/04
W040002329	B1B577	GRP	TRENT	7440-41-7	Beryllium	SOIL	LA-505-412	U	<	2.93	mg/kg	9.76	2.9	12/08/04	11/22/04	11/23/04
W040002329	B1B577	GRP	TRENT	7440-43-9	Cadmium	SOIL	LA-505-412	U	<	0.976	mg/kg	9.76	0.98	12/08/04	11/22/04	11/23/04
W040002329	B1B577	GRP	TRENT	7440-47-3	Chromium	SOIL	LA-505-412			24.7	mg/kg	9.76	2.9	12/08/04	11/22/04	11/23/04
W040002329	B1B577	GRP	TRENT	7440-50-8	Copper	SOIL	LA-505-412			13.2	mg/kg	9.76	4.9	12/08/04	11/22/04	11/23/04
W040002329	B1B577	GRP	TRENT	7439-92-1	Lead	SOIL	LA-505-412	U	<	11.7	mg/kg	9.76	12	12/08/04	11/22/04	11/23/04
W040002329	B1B577	GRP	TRENT	7439-97-6	Mercury	SOIL	LA-505-412	U	<	0.976	mg/kg	9.76	0.98	12/08/04	11/22/04	11/23/04
W040002329	B1B577	GRP	TRENT	7440-61-1	Uranium	SOIL	LA-505-412	U	<	0.976	mg/kg	9.76	0.98	12/08/04	11/22/04	11/23/04
W040002329	B1B577	GRP	TRENT	7440-38-2	Arsenic	SOIL	LA-505-412			4.29	mg/kg	9.76	2.9	12/08/04	11/22/04	11/23/04
W040002329	B1B577	GRP	TRENT	7782-49-2	Selenium	SOIL	LA-505-412	U	<	2.93	mg/kg	9.76	2.9	12/08/04	11/22/04	11/23/04

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WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20042230
Matrix: SOLID
Test: Ammonia (N) by IC

SAF Number: F03-006
Sample Date: 11/18/04
Receive Date:11/23/04

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
Lab ID: W040002328									
BATCH QC ASSOCIATED WITH SAMPLE									
DUP	Ammonia (N) by IC	7664-41-7	8.90e-01	22.000	RPD	12/09/04	0.000	20.000	*
MS	Ammonia (N) by IC	7664-41-7	4.15e-01	100.728	% Recov	12/09/04	75.000	125.000	
MSD	Ammonia (N) by IC	7664-41-7	3.98e-01	96.602	% Recov	12/09/04	75.000	125.000	
BATCH QC									
BLANK	Ammonia (N) by IC	7664-41-7	<4.00e-3	n/a	mg/L	12/09/04	0.000	30.000	U
BLANK	Ammonia (N) by IC	7664-41-7	<4.00e-3	n/a	mg/L	12/09/04	0.000	30.000	U
LCS	Ammonia (N) by IC	7664-41-7	8.54e+01	103.893	% Recov	12/09/04	80.000	120.000	

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20042230
Matrix: SOLID
Test: Anions by Ion Chromatography

SAF Number: F03-006
Sample Date: 11/22/04
Receive Date:11/23/04

Lab ID: W040002329

BATCH QC ASSOCIATED WITH SAMPLE

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
DUP	Chloride	16887-00-6	6.12e+00	43.825	RPD	12/01/04	0.000	20.000	
DUP	Fluoride	16984-48-8	<1.13e0	n/a	RPD	12/01/04	0.000	20.000	U
DUP	Nitrogen in Nitrite	NO2-N	<9.31e-1	n/a	RPD	12/01/04	0.000	20.000	U
DUP	Nitrogen in Nitrate	NO3-N	8.66e+00	0.000	RPD	12/01/04	0.000	20.000	
DUP	Phosphate (P) by IC	PO4-P	<2.65e0	n/a	RPD	12/01/04	0.000	20.000	U
DUP	Sulfate	14808-79-8	2.07e+01	3.791	RPD	12/01/04	0.000	20.000	
MS	Chloride	16887-00-6	1.03e+00	103.000	% Recov	12/01/04	75.000	125.000	
MS	Fluoride	16984-48-8	5.15e-01	104.251	% Recov	12/01/04	75.000	125.000	
MS	Nitrogen in Nitrite	NO2-N	4.90e-01	98.000	% Recov	12/01/04	75.000	125.000	
MS	Nitrogen in Nitrate	NO3-N	4.99e-01	110.643	% Recov	12/01/04	75.000	125.000	
MS	Phosphate (P) by IC	PO4-P	8.55e-01	88.235	% Recov	12/01/04	75.000	125.000	
MS	Sulfate	14808-79-8	1.92e+00	96.000	% Recov	12/01/04	75.000	125.000	
MSD	Chloride	16887-00-6	1.02e+00	102.000	% Recov	12/01/04	75.000	125.000	
MSD	Fluoride	16984-48-8	5.10e-01	103.239	% Recov	12/01/04	75.000	125.000	
MSD	Nitrogen in Nitrite	NO2-N	4.85e-01	97.000	% Recov	12/01/04	75.000	125.000	
MSD	Nitrogen in Nitrate	NO3-N	5.09e-01	112.860	% Recov	12/01/04	75.000	125.000	
MSD	Phosphate (P) by IC	PO4-P	8.21e-01	84.727	% Recov	12/01/04	75.000	125.000	
MSD	Sulfate	14808-79-8	1.95e+00	97.500	% Recov	12/01/04	75.000	125.000	

BATCH QC

BLANK	Chloride	16887-00-6	<5.20e-2	n/a	mg/L	12/01/04	0.000	300.000	U
BLANK	Chloride	16887-00-6	<5.20e-2	n/a	mg/L	12/01/04	0.000	300.000	U
BLANK	Fluoride	16984-48-8	<2.30e-2	n/a	mg/L	12/01/04	0.000	300.000	U
BLANK	Fluoride	16984-48-8	<2.30e-2	n/a	mg/L	12/01/04	0.000	300.000	U
BLANK	Nitrogen in Nitrite	NO2-N	<1.90e-2	n/a	mg/L	12/01/04	0.000	300.000	U
BLANK	Nitrogen in Nitrite	NO2-N	<1.90e-2	n/a	mg/L	12/01/04	0.000	300.000	U

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20042230
Matrix: SOLID
Test: Anions by Ion Chromatography

SAF Number: F03-006
Sample Date:
Receive Date:

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
BLANK	Nitrogen in Nitrate	NO3-N	<1.30e-2	n/a	mg/L	12/01/04	0.000	300.000	U
BLANK	Nitrogen in Nitrate	NO3-N	<1.30e-2	n/a	mg/L	12/01/04	0.000	300.000	U
BLANK	Phosphate (P) by IC	PO4-P	<5.40e-2	n/a	mg/L	12/01/04	0.000	300.000	U
BLANK	Phosphate (P) by IC	PO4-P	<5.40e-2	n/a	mg/L	12/01/04	0.000	300.000	U
BLANK	Sulfate	14808-79-8	<1.00e-1	n/a	mg/L	12/01/04	0.000	300.000	U
BLANK	Sulfate	14808-79-8	<1.00e-1	n/a	mg/L	12/01/04	0.000	300.000	U
LCS	Chloride	16887-00-6	2.08e+02	104.000	% Recov	12/01/04	80.000	120.000	
LCS	Fluoride	16984-48-8	9.28e+01	94.022	% Recov	12/01/04	80.000	120.000	
LCS	Nitrogen in Nitrite	NO2-N	9.52e+01	95.200	% Recov	12/01/04	80.000	120.000	
LCS	Nitrogen in Nitrate	NO3-N	9.13e+01	101.332	% Recov	12/01/04	80.000	120.000	
LCS	Phosphate (P) by IC	PO4-P	1.74e+02	89.783	% Recov	12/01/04	80.000	120.000	
LCS	Sulfate	14808-79-8	3.85e+02	96.491	% Recov	12/01/04	80.000	120.000	

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20042230
Matrix: SOLID
Test: Cyanide by Midi/Spectrophotom

SAF Number: F03-006
Sample Date: 11/22/04
Receive Date:11/23/04

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
Lab ID: W040002329									
BATCH QC ASSOCIATED WITH SAMPLE									
MS	Cyanide by Midi/Spectrophotom	57-12-5	92.2	92.200	% Recov	12/01/04	75.000	125.000	
MSD	Cyanide by Midi/Spectrophotom	57-12-5	89.6	89.600	% Recov	12/01/04	75.000	125.000	
SPK-RPD	Cyanide by Midi/Spectrophotom	57-12-5	89.600	2.860	RPD	12/01/04	0.000	20.000	
BATCH QC									
BLANK	Cyanide by Midi/Spectrophotom	57-12-5	1	1.000	ug/L	12/01/04	-4.000	4.000	
BLNK-PREP	Cyanide by Midi/Spectrophotom	57-12-5	1	1.000	ug/L	12/01/04	-4.000	4.000	
LCS	Cyanide by Midi/Spectrophotom	57-12-5	99.5	99.500	% Recov	12/01/04	85.000	115.000	

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20042230
Matrix: SOLID
Test: ICP Metals Analysis, Grd H20 P

SAF Number: F03-006
Sample Date: 11/24/04
Receive Date:11/29/04

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
Lab ID: W040002460									
BATCH QC ASSOCIATED WITH SAMPLE									
MS	Boron	7440-42-8	195	97.500	% Recov	12/15/04	75.000	125.000	
MS	Bismuth	7440-69-9	185.8	92.900	% Recov	12/15/04	75.000	125.000	
MSD	Boron	7440-42-8	196	98.000	% Recov	12/15/04	75.000	125.000	
MSD	Bismuth	7440-69-9	189.0	94.500	% Recov	12/15/04	75.000	125.000	
SPK-RPD	Boron	7440-42-8	98.000	0.512	RPD	12/15/04	0.000	20.000	
SPK-RPD	Bismuth	7440-69-9	189.0	1.708	RPD	12/15/04	0.000	20.000	
BATCH QC									
BLANK	Boron	7440-42-8	11.9	11.900	ug/L	12/15/04			
BLANK	Bismuth	7440-69-9	<2.2e-2	n/a	ug/L	12/15/04			U
LCS	Boron	7440-42-8	305	95.912	% Recov	12/15/04	45.000	156.000	
LCS	Bismuth	7440-69-9	201	100.500	% Recov	12/15/04	80.000	120.000	

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20042230
Matrix: SOLID
Test: ICP-2008 MS All possible metal

SAF Number: F03-006
Sample Date: 11/20/04
Receive Date:11/22/04

Lab ID: W040002271
BATCH QC ASSOCIATED WITH SAMPLE

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
MS	Silver	7440-22-4	448.	89.600	% Recov	12/08/04	70.000	130.000	
MS	Arsenic	7440-38-2	497.	99.400	% Recov	12/08/04	70.000	130.000	
MS	Barium	7440-39-3	506.	101.200	% Recov	12/08/04	70.000	130.000	
MS	Beryllium	7440-41-7	500.	100.000	% Recov	12/08/04	70.000	130.000	
MS	Cadmium	7440-43-9	515.	103.000	% Recov	12/08/04	70.000	130.000	
MS	Chromium	7440-47-3	293.	58.600	% Recov	12/08/04	70.000	130.000	*
MS	Copper	7440-50-8	489.	97.800	% Recov	12/08/04	70.000	130.000	
MS	Mercury	7439-97-6	21.3	106.500	% Recov	12/08/04	70.000	130.000	
MS	Nickel	7440-02-0	394.	78.800	% Recov	12/08/04	70.000	130.000	
MS	Lead	7439-92-1	501.	100.200	% Recov	12/08/04	70.000	130.000	
MS	Antimony	7440-36-0	501.	100.200	% Recov	12/08/04	70.000	130.000	
MS	Selenium	7782-49-2	523.	104.600	% Recov	12/08/04	70.000	130.000	
MS	Uranium	7440-61-1	524.	104.800	% Recov	12/08/04	70.000	130.000	
MSD	Silver	7440-22-4	440.	88.000	% Recov	12/08/04	70.000	130.000	
MSD	Arsenic	7440-38-2	499.	99.800	% Recov	12/08/04	70.000	130.000	
MSD	Barium	7440-39-3	502.	100.400	% Recov	12/08/04	70.000	130.000	
MSD	Beryllium	7440-41-7	484.	96.800	% Recov	12/08/04	70.000	130.000	
MSD	Cadmium	7440-43-9	504.	100.800	% Recov	12/08/04	70.000	130.000	
MSD	Chromium	7440-47-3	279.	55.800	% Recov	12/08/04	70.000	130.000	*
MSD	Copper	7440-50-8	483.	96.600	% Recov	12/08/04	70.000	130.000	
MSD	Mercury	7439-97-6	23.3	116.500	% Recov	12/08/04	70.000	130.000	
MSD	Nickel	7440-02-0	380.	76.000	% Recov	12/08/04	70.000	130.000	
MSD	Lead	7439-92-1	490.	98.000	% Recov	12/08/04	70.000	130.000	
MSD	Antimony	7440-36-0	491.	98.200	% Recov	12/08/04	70.000	130.000	
MSD	Selenium	7782-49-2	520.	104.000	% Recov	12/08/04	70.000	130.000	
MSD	Uranium	7440-61-1	503.	100.600	% Recov	12/08/04	70.000	130.000	

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20042230
Matrix: SOLID
Test: ICP-2008 MS All possible metal

SAF Number: F03-006
Sample Date: 11/20/04
Receive Date:11/22/04

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
Lab ID: W040002313									
BATCH QC ASSOCIATED WITH SAMPLE									
MS	Mercury	7439-97-6	20.9	104.500	% Recov	12/08/04	70.000	130.000	
MS	Uranium	7440-61-1	415.	103.750	% Recov	12/08/04	70.000	130.000	
MSD	Mercury	7439-97-6	20.8	104.000	% Recov	12/08/04	70.000	130.000	
MSD	Uranium	7440-61-1	417.	104.250	% Recov	12/08/04	70.000	130.000	
Lab ID: W040002328									
BATCH QC ASSOCIATED WITH SAMPLE									
MS	Silver	7440-22-4	372.	93.000	% Recov	12/08/04	70.000	130.000	
MS	Arsenic	7440-38-2	413.	103.250	% Recov	12/08/04	70.000	130.000	
MS	Barium	7440-39-3	389.	97.250	% Recov	12/08/04	70.000	130.000	
MS	Beryllium	7440-41-7	389.	97.250	% Recov	12/08/04	70.000	130.000	
MS	Cadmium	7440-43-9	402.	100.500	% Recov	12/08/04	70.000	130.000	
MS	Chromium	7440-47-3	387.	96.750	% Recov	12/08/04	70.000	130.000	
MS	Copper	7440-50-8	392.	98.000	% Recov	12/08/04	70.000	130.000	
MS	Mercury	7439-97-6	20.0	100.000	% Recov	12/08/04	70.000	130.000	
MS	Nickel	7440-02-0	389.	97.250	% Recov	12/08/04	70.000	130.000	
MS	Lead	7439-92-1	392.	98.000	% Recov	12/08/04	70.000	130.000	
MS	Antimony	7440-36-0	425.	106.250	% Recov	12/08/04	70.000	130.000	
MS	Selenium	7782-49-2	425.	106.250	% Recov	12/08/04	70.000	130.000	
MS	Uranium	7440-61-1	416.	104.000	% Recov	12/08/04	70.000	130.000	
MSD	Silver	7440-22-4	373.	93.250	% Recov	12/08/04	70.000	130.000	
MSD	Arsenic	7440-38-2	405.	101.250	% Recov	12/08/04	70.000	130.000	
MSD	Barium	7440-39-3	394.	98.500	% Recov	12/08/04	70.000	130.000	
MSD	Beryllium	7440-41-7	385.	96.250	% Recov	12/08/04	70.000	130.000	
MSD	Cadmium	7440-43-9	405.	101.250	% Recov	12/08/04	70.000	130.000	
MSD	Chromium	7440-47-3	386.	96.500	% Recov	12/08/04	70.000	130.000	
MSD	Copper	7440-50-8	391.	97.750	% Recov	12/08/04	70.000	130.000	

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20042230
Matrix: SOLID
Test: ICP-2008 MS All possible metal

SAF Number: F03-006
Sample Date: 11/18/04
Receive Date:11/23/04

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
MSD	Mercury	7439-97-6	19.8	99.000	% Recov	12/08/04	70.000	130.000	
MSD	Nickel	7440-02-0	386.	96.500	% Recov	12/08/04	70.000	130.000	
MSD	Lead	7439-92-1	393.	98.250	% Recov	12/08/04	70.000	130.000	
MSD	Antimony	7440-36-0	426.	106.500	% Recov	12/08/04	70.000	130.000	
MSD	Selenium	7782-49-2	424.	106.000	% Recov	12/08/04	70.000	130.000	
MSD	Uranium	7440-61-1	407.	101.750	% Recov	12/08/04	70.000	130.000	
SPK-RPD	Silver	7440-22-4	93.250	0.268	RPD	12/08/04	0.000	20.000	
SPK-RPD	Arsenic	7440-38-2	101.250	1.956	RPD	12/08/04	0.000	20.000	
SPK-RPD	Barium	7440-39-3	98.500	1.277	RPD	12/08/04	0.000	20.000	
SPK-RPD	Beryllium	7440-41-7	96.250	1.034	RPD	12/08/04	0.000	20.000	
SPK-RPD	Cadmium	7440-43-9	101.250	0.743	RPD	12/08/04	0.000	20.000	
SPK-RPD	Chromium	7440-47-3	96.500	0.259	RPD	12/08/04	0.000	20.000	
SPK-RPD	Copper	7440-50-8	97.750	0.255	RPD	12/08/04	0.000	20.000	
SPK-RPD	Mercury	7439-97-6	99.000	1.005	RPD	12/08/04	0.000	20.000	
SPK-RPD	Nickel	7440-02-0	96.500	0.774	RPD	12/08/04	0.000	20.000	
SPK-RPD	Lead	7439-92-1	98.250	0.255	RPD	12/08/04	0.000	20.000	
SPK-RPD	Antimony	7440-36-0	106.500	0.235	RPD	12/08/04	0.000	20.000	
SPK-RPD	Selenium	7782-49-2	106.000	0.236	RPD	12/08/04	0.000	20.000	
SPK-RPD	Uranium	7440-61-1	101.750	2.187	RPD	12/08/04	0.000	20.000	

BATCH QC

BLANK	Silver	7440-22-4	3.18	3.180	ug/L	12/08/04	-0.440	0.440	*
BLANK	Arsenic	7440-38-2	<0.300	n/a	ug/L	12/08/04	-0.660	0.660	U
BLANK	Barium	7440-39-3	<0.200	n/a	ug/L	12/08/04	-0.440	0.440	U
BLANK	Beryllium	7440-41-7	<0.300	n/a	ug/L	12/08/04	-0.660	0.660	U
BLANK	Cadmium	7440-43-9	<0.100	n/a	ug/L	12/08/04	-0.220	0.220	U
BLANK	Chromium	7440-47-3	3.68	3.680	ug/L	12/08/04	-0.660	0.660	*
BLANK	Copper	7440-50-8	<0.500	n/a	ug/L	12/08/04	-1.100	1.100	U
BLANK	Mercury	7439-97-6	<0.100	n/a	ug/L	12/08/04	-0.220	0.220	U
BLANK	Nickel	7440-02-0	<0.500	n/a	ug/L	12/08/04	-1.100	1.100	U

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20042230
Matrix: SOLID
Test: ICP-2008 MS All possible metal

SAF Number: F03-006
Sample Date:
Receive Date:

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
BLANK	Lead	7439-92-1	<1.20	n/a	ug/L	12/08/04	-2.640	2.640	U
BLANK	Antimony	7440-36-0	7.68	7.680	ug/L	12/08/04	-1.100	1.100	
BLANK	Selenium	7782-49-2	0.500	0.500	ug/L	12/08/04	-0.660	0.660	
BLANK	Uranium	7440-61-1	<0.100	n/a	ug/L	12/08/04	-0.220	0.220	U
LCS	Silver	7440-22-4	156.	131.092	% Recov	12/08/04	110.000	170.000	
LCS	Arsenic	7440-38-2	195.	100.000	% Recov	12/08/04	82.000	142.000	
LCS	Barium	7440-39-3	361.	92.092	% Recov	12/08/04	79.000	123.000	
LCS	Beryllium	7440-41-7	76.8	101.992	% Recov	12/08/04	82.000	128.000	
LCS	Cadmium	7440-43-9	72.1	105.102	% Recov	12/08/04	88.000	127.000	
LCS	Chromium	7440-47-3	75.5	87.283	% Recov	12/08/04	50.000	126.000	
LCS	Copper	7440-50-8	129.	101.575	% Recov	12/08/04	61.000	134.000	
LCS	Mercury	7439-97-6	9.51	101.063	% Recov	12/08/04	75.000	114.000	
LCS	Nickel	7440-02-0	86.4	103.349	% Recov	12/08/04	84.000	125.000	
LCS	Lead	7439-92-1	89.7	94.921	% Recov	12/08/04	87.000	120.000	
LCS	Antimony	7440-36-0	162.	117.391	% Recov	12/08/04	61.000	135.000	
LCS	Selenium	7782-49-2	121.	106.140	% Recov	12/08/04	83.000	145.000	
LCS	Uranium	7440-61-1	395.	98.750	% Recov	12/08/04	89.000	107.000	

WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent
Project: F03-006: 200-PW-2/PW-4

Group #: WSCF20042230

Sample #	Client ID			CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
Organic															
W040002325	B1B573	GRP	TRENT	100-02-7	4-Nitrophenol	SOIL	LA-523-456	U	< 650	ug/kg	1.00	6.5e+02	12/07/04	11/15/04	11/23/04
W040002325	B1B573	GRP	TRENT	106-46-7	1,4-Dichlorobenzene	SOIL	LA-523-456	U	< 310	ug/kg	1.00	3.1e+02	12/07/04	11/15/04	11/23/04
W040002325	B1B573	GRP	TRENT	108-95-2	Phenol	SOIL	LA-523-456	U	< 100	ug/kg	1.00	1.0e+02	12/07/04	11/15/04	11/23/04
W040002325	B1B573	GRP	TRENT	120-82-1	1,2,4-Trichlorobenzene	SOIL	LA-523-456	U	< 290	ug/kg	1.00	2.9e+02	12/07/04	11/15/04	11/23/04
W040002325	B1B573	GRP	TRENT	121-14-2	2,4-Dinitrotoluene	SOIL	LA-523-456	U	< 67.0	ug/kg	1.00	67	12/07/04	11/15/04	11/23/04
W040002325	B1B573	GRP	TRENT	129-00-0	Pyrene	SOIL	LA-523-456	U	< 67.0	ug/kg	1.00	67	12/07/04	11/15/04	11/23/04
W040002325	B1B573	GRP	TRENT	59-50-7	4-Chloro-3-methylphenol	SOIL	LA-523-456	U	< 67.0	ug/kg	1.00	67	12/07/04	11/15/04	11/23/04
W040002325	B1B573	GRP	TRENT	621-64-7	N-Nitrosodi-n-dipropylamine	SOIL	LA-523-456	U	< 67.0	ug/kg	1.00	67	12/07/04	11/15/04	11/23/04
W040002325	B1B573	GRP	TRENT	83-32-9	Acenaphthene	SOIL	LA-523-456	U	< 67.0	ug/kg	1.00	67	12/07/04	11/15/04	11/23/04
W040002325	B1B573	GRP	TRENT	87-86-5	Pentachlorophenol	SOIL	LA-523-456	U	< 300	ug/kg	1.00	3.0e+02	12/07/04	11/15/04	11/23/04
W040002325	B1B573	GRP	TRENT	95-57-8	2-Chlorophenol	SOIL	LA-523-456	U	< 150	ug/kg	1.00	1.5e+02	12/07/04	11/15/04	11/23/04
W040002325	B1B573	GRP	TRENT	100-01-6	4-Nitroaniline	SOIL	LA-523-456	U	< 250	ug/kg	1.00	2.5e+02	12/07/04	11/15/04	11/23/04
W040002325	B1B573	GRP	TRENT	101-55-3	4-Bromophenylphenyl ether	SOIL	LA-523-456	U	< 67.0	ug/kg	1.00	67	12/07/04	11/15/04	11/23/04
W040002325	B1B573	GRP	TRENT	105-67-9	2,4-Dimethylphenol	SOIL	LA-523-456	U	< 67.0	ug/kg	1.00	67	12/07/04	11/15/04	11/23/04
W040002325	B1B573	GRP	TRENT	106-47-8	4-Chloroaniline	SOIL	LA-523-456	U	< 93.0	ug/kg	1.00	93	12/07/04	11/15/04	11/23/04
W040002325	B1B573	GRP	TRENT	108-60-1	Bis(2-chloro-1-methylethyl)eth	SOIL	LA-523-456	U	< 250	ug/kg	1.00	2.5e+02	12/07/04	11/15/04	11/23/04
W040002325	B1B573	GRP	TRENT	111-44-4	Bis(2-chloroethyl) ether	SOIL	LA-523-456	U	< 250	ug/kg	1.00	2.5e+02	12/07/04	11/15/04	11/23/04
W040002325	B1B573	GRP	TRENT	111-91-1	Bis(2-Chloroethoxy)methane	SOIL	LA-523-456	U	< 110	ug/kg	1.00	1.1e+02	12/07/04	11/15/04	11/23/04
W040002325	B1B573	GRP	TRENT	117-81-7	Bis(2-ethylhexyl) phthalate	SOIL	LA-523-456	U	< 560	ug/kg	1.00	5.6e+02	12/07/04	11/15/04	11/23/04
W040002325	B1B573	GRP	TRENT	117-84-0	Di-n-octylphthalate	SOIL	LA-523-456	U	< 67.0	ug/kg	1.00	67	12/07/04	11/15/04	11/23/04
W040002325	B1B573	GRP	TRENT	118-74-1	Hexachlorobenzene	SOIL	LA-523-456	U	< 67.0	ug/kg	1.00	67	12/07/04	11/15/04	11/23/04
W040002325	B1B573	GRP	TRENT	120-12-7	Anthracene	SOIL	LA-523-456	U	< 67.0	ug/kg	1.00	67	12/07/04	11/15/04	11/23/04
W040002325	B1B573	GRP	TRENT	120-83-2	2,4-Dichlorophenol	SOIL	LA-523-456	U	< 80.0	ug/kg	1.00	80	12/07/04	11/15/04	11/23/04
W040002325	B1B573	GRP	TRENT	131-11-3	Dimethyl phthalate	SOIL	LA-523-456	U	< 67.0	ug/kg	1.00	67	12/07/04	11/15/04	11/23/04
W040002325	B1B573	GRP	TRENT	132-64-9	Dibenzofuran	SOIL	LA-523-456	U	< 67.0	ug/kg	1.00	67	12/07/04	11/15/04	11/23/04
W040002325	B1B573	GRP	TRENT	191-24-2	Benzo(ghi)perylene	SOIL	LA-523-456	U	< 67.0	ug/kg	1.00	67	12/07/04	11/15/04	11/23/04

MDL = Minimum Detection Limit
RQ = Result Qualifier

B - The Analyte detected in both the BLANK and the SAMPLE (org.)
J - Analyte is an estimate, has potentially larger errors
X - Other flags and notes described in the comments/narrative.

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

DF = Dilution Factor

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

WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent
Project: F03-006: 200-PW-2/PW-4

Group #: WSCF20042230

Sample #	Client ID			CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W040002325	B1B573	GRP	TRENT	193-39-5	Indeno(1,2,3-cd)pyrene	SOIL	LA-523-456	U	< 67.0	ug/kg	1.00	67	12/07/04	11/15/04	11/23/04
W040002325	B1B573	GRP	TRENT	205-99-2	Benzo(b)fluoranthene	SOIL	LA-523-456	U	< 67.0	ug/kg	1.00	67	12/07/04	11/15/04	11/23/04
W040002325	B1B573	GRP	TRENT	206-44-0	Fluoranthene	SOIL	LA-523-456	U	< 67.0	ug/kg	1.00	67	12/07/04	11/15/04	11/23/04
W040002325	B1B573	GRP	TRENT	207-08-9	Benzo(k)fluoranthene	SOIL	LA-523-456	U	< 67.0	ug/kg	1.00	67	12/07/04	11/15/04	11/23/04
W040002325	B1B573	GRP	TRENT	208-96-8	Acenaphthylene	SOIL	LA-523-456	U	< 80.0	ug/kg	1.00	80	12/07/04	11/15/04	11/23/04
W040002325	B1B573	GRP	TRENT	218-01-9	Chrysene	SOIL	LA-523-456	U	< 67.0	ug/kg	1.00	67	12/07/04	11/15/04	11/23/04
W040002325	B1B573	GRP	TRENT	50-32-8	Benzo(a)pyrene	SOIL	LA-523-456	U	< 67.0	ug/kg	1.00	67	12/07/04	11/15/04	11/23/04
W040002325	B1B573	GRP	TRENT	51-28-5	2,4-Dinitrophenol	SOIL	LA-523-456	U	< 670	ug/kg	1.00	6.7e+02	12/07/04	11/15/04	11/23/04
W040002325	B1B573	GRP	TRENT	53-70-3	Dibenz[a,h]anthracene	SOIL	LA-523-456	U	< 67.0	ug/kg	1.00	67	12/07/04	11/15/04	11/23/04
W040002325	B1B573	GRP	TRENT	534-52-1	4,6-Dinitro-2-methylphenol	SOIL	LA-523-456	U	< 670	ug/kg	1.00	6.7e+02	12/07/04	11/15/04	11/23/04
W040002325	B1B573	GRP	TRENT	541-73-1	1,3-Dichlorobenzene	SOIL	LA-523-456	U	< 320	ug/kg	1.00	3.2e+02	12/07/04	11/15/04	11/23/04
W040002325	B1B573	GRP	TRENT	56-55-3	Benzo(a)anthracene	SOIL	LA-523-456	U	< 67.0	ug/kg	1.00	67	12/07/04	11/15/04	11/23/04
W040002325	B1B573	GRP	TRENT	606-20-2	2,6-Dinitrotoluene	SOIL	LA-523-456	U	< 67.0	ug/kg	1.00	67	12/07/04	11/15/04	11/23/04
W040002325	B1B573	GRP	TRENT	7005-72-3	4-Chlorophenylphenyl ether	SOIL	LA-523-456	U	< 67.0	ug/kg	1.00	67	12/07/04	11/15/04	11/23/04
W040002325	B1B573	GRP	TRENT	77-47-4	Hexachlorocyclopentadiene	SOIL	LA-523-456	U	< 310	ug/kg	1.00	3.1e+02	12/07/04	11/15/04	11/23/04
W040002325	B1B573	GRP	TRENT	78-59-1	Isophorone	SOIL	LA-523-456	U	< 67.0	ug/kg	1.00	67	12/07/04	11/15/04	11/23/04
W040002325	B1B573	GRP	TRENT	84-66-2	Diethylphthalate	SOIL	LA-523-456	J	190	ug/kg	1.00	1.9e+02	12/07/04	11/15/04	11/23/04
W040002325	B1B573	GRP	TRENT	84-74-2	Di-n-butylphthalate	SOIL	LA-523-456	J	560	ug/kg	1.00	87	12/07/04	11/15/04	11/23/04
W040002325	B1B573	GRP	TRENT	85-01-8	Phenanthrene	SOIL	LA-523-456	U	< 67.0	ug/kg	1.00	67	12/07/04	11/15/04	11/23/04
W040002325	B1B573	GRP	TRENT	85-68-7	Butylbenzylphthalate	SOIL	LA-523-456	U	< 67.0	ug/kg	1.00	67	12/07/04	11/15/04	11/23/04
W040002325	B1B573	GRP	TRENT	86-30-6	N-Nitrosodiphenylamine	SOIL	LA-523-456	U	< 67.0	ug/kg	1.00	67	12/07/04	11/15/04	11/23/04
W040002325	B1B573	GRP	TRENT	86-73-7	Fluorene	SOIL	LA-523-456	U	< 67.0	ug/kg	1.00	67	12/07/04	11/15/04	11/23/04
W040002325	B1B573	GRP	TRENT	86-74-8	Carbazole	SOIL	LA-523-456	U	< 80.0	ug/kg	1.00	80	12/07/04	11/15/04	11/23/04
W040002325	B1B573	GRP	TRENT	87-68-3	Hexachlorobutadiene	SOIL	LA-523-456	U	< 370	ug/kg	1.00	3.7e+02	12/07/04	11/15/04	11/23/04
W040002325	B1B573	GRP	TRENT	88-74-4	2-Nitroaniline	SOIL	LA-523-456	U	< 67.0	ug/kg	1.00	67	12/07/04	11/15/04	11/23/04
W040002325	B1B573	GRP	TRENT	88-75-5	2-Nitrophenol	SOIL	LA-523-456	U	< 170	ug/kg	1.00	1.7e+02	12/07/04	11/15/04	11/23/04
W040002325	B1B573	GRP	TRENT	91-20-3	Naphthalene	SOIL	LA-523-456	U	< 290	ug/kg	1.00	2.9e+02	12/07/04	11/15/04	11/23/04

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WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent
Project: F03-006: 200-PW-2/PW-4

Group #: WSCF20042230

Sample #	Client ID			CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W040002325	B1B573	GRP	TRENT	91-57-6	2-Methylnaphthalene	SOIL	LA-523-456	U	< 180	ug/kg	1.00	1.8e+02	12/07/04	11/15/04	11/23/04
W040002325	B1B573	GRP	TRENT	91-58-7	2-Chloronaphthalene	SOIL	LA-523-456	U	< 67.0	ug/kg	1.00	67	12/07/04	11/15/04	11/23/04
W040002325	B1B573	GRP	TRENT	91-94-1	3,3'-Dichlorobenzidine	SOIL	LA-523-456	U	< 80.0	ug/kg	1.00	80	12/07/04	11/15/04	11/23/04
W040002325	B1B573	GRP	TRENT	95-48-7	2-Methylphenol (cresol, o-)	SOIL	LA-523-456	U	< 67.0	ug/kg	1.00	67	12/07/04	11/15/04	11/23/04
W040002325	B1B573	GRP	TRENT	95-50-1	1,2-Dichlorobenzene	SOIL	LA-523-456	U	< 360	ug/kg	1.00	3.6e+02	12/07/04	11/15/04	11/23/04
W040002325	B1B573	GRP	TRENT	95-95-4	2,4,5-Trichlorophenol	SOIL	LA-523-456	U	< 73.0	ug/kg	1.00	73	12/07/04	11/15/04	11/23/04
W040002325	B1B573	GRP	TRENT	98-95-3	Nitrobenzene	SOIL	LA-523-456	U	< 260	ug/kg	1.00	2.6e+02	12/07/04	11/15/04	11/23/04
W040002325	B1B573	GRP	TRENT	99-09-2	3-Nitroaniline	SOIL	LA-523-456	U	< 67.0	ug/kg	1.00	67	12/07/04	11/15/04	11/23/04
W040002325	B1B573	GRP	TRENT	65794-96-9	3 & 4 Methylphenol Total	SOIL	LA-523-456	U	< 110	ug/kg	1.00	1.1e+02	12/07/04	11/15/04	11/23/04
W040002325	B1B573	GRP	TRENT	67-72-1	Hexachloroethane	SOIL	LA-523-456	U	< 470	ug/kg	1.00	4.7e+02	12/07/04	11/15/04	11/23/04
W040002325	B1B573	GRP	TRENT	88-06-2	2,4,6-Trichlorophenol	SOIL	LA-523-456	U	< 67.0	ug/kg	1.00	67	12/07/04	11/15/04	11/23/04
W040002325	B1B573	GRP	TRENT	100-51-6	Benzyl alcohol	SOIL	LA-523-456	U	< 73.0	ug/kg	1.00	73	12/07/04	11/15/04	11/23/04
W040002325	B1B573	GRP	TRENT	126-73-8	Tributyl phosphate	SOIL	LA-523-456	U	< 67.0	ug/kg	1.00	67	12/07/04	11/15/04	11/23/04
W040002325	B1B573	GRP	TRENT	TPHDIESEL	Total Pet. Hydrocarbons Diesel	SOIL	NWTPH	U	< 3.60e+03	ug/kg	1.00	3.6e+03	12/06/04	11/15/04	11/23/04
W040002325	B1B573	GRP	TRENT	TPHKEROSENE	Kerosene	SOIL	NWTPH	U	< 3.60e+03	ug/kg	1.00	3.6e+03	12/06/04	11/15/04	11/23/04
W040002326	B1B574	GRP	TRENT	100-02-7	4-Nitrophenol	SOIL	LA-523-456	U	< 640	ug/kg	1.00	6.4e+02	12/07/04	11/16/04	11/23/04
W040002326	B1B574	GRP	TRENT	106-46-7	1,4-Dichlorobenzene	SOIL	LA-523-456	U	< 310	ug/kg	1.00	3.1e+02	12/07/04	11/16/04	11/23/04
W040002326	B1B574	GRP	TRENT	108-95-2	Phenol	SOIL	LA-523-456	U	< 99.0	ug/kg	1.00	99	12/07/04	11/16/04	11/23/04
W040002326	B1B574	GRP	TRENT	120-82-1	1,2,4-Trichlorobenzene	SOIL	LA-523-456	U	< 290	ug/kg	1.00	2.9e+02	12/07/04	11/16/04	11/23/04
W040002326	B1B574	GRP	TRENT	121-14-2	2,4-Dinitrotoluene	SOIL	LA-523-456	U	< 66.0	ug/kg	1.00	66	12/07/04	11/16/04	11/23/04
W040002326	B1B574	GRP	TRENT	129-00-0	Pyrene	SOIL	LA-523-456	U	< 66.0	ug/kg	1.00	66	12/07/04	11/16/04	11/23/04
W040002326	B1B574	GRP	TRENT	59-50-7	4-Chloro-3-methylphenol	SOIL	LA-523-456	U	< 66.0	ug/kg	1.00	66	12/07/04	11/16/04	11/23/04
W040002326	B1B574	GRP	TRENT	621-64-7	N-Nitrosodi-n-dipropylamine	SOIL	LA-523-456	U	< 66.0	ug/kg	1.00	66	12/07/04	11/16/04	11/23/04
W040002326	B1B574	GRP	TRENT	83-32-9	Acenaphthene	SOIL	LA-523-456	U	< 66.0	ug/kg	1.00	66	12/07/04	11/16/04	11/23/04
W040002326	B1B574	GRP	TRENT	87-86-5	Pentachlorophenol	SOIL	LA-523-456	U	< 300	ug/kg	1.00	3.0e+02	12/07/04	11/16/04	11/23/04
W040002326	B1B574	GRP	TRENT	95-57-8	2-Chlorophenol	SOIL	LA-523-456	U	< 150	ug/kg	1.00	1.5e+02	12/07/04	11/16/04	11/23/04
W040002326	B1B574	GRP	TRENT	126-73-8	Tributyl phosphate	SOIL	LA-523-456	U	< 66.0	ug/kg	1.00	66	12/07/04	11/16/04	11/23/04

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WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent
Project: F03-006: 200-PW-2/PW-4

Group #: WSCF20042230

Sample #	Client ID			CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W040002326	B1B574	GRP	TRENT	TPHDIESEL	Total Pet. Hydrocarbons Diesel	SOIL	NWTPH	U	< 3.70e+03	ug/kg	1.00	3.7e+03	12/06/04	11/16/04	11/23/04
W040002326	B1B574	GRP	TRENT	TPHKEROSENE	Kerosene	SOIL	NWTPH	U	< 3.70e+03	ug/kg	1.00	3.7e+03	12/06/04	11/16/04	11/23/04
W040002327	B1B575	GRP	TRENT	100-02-7	4-Nitrophenol	SOIL	LA-523-456	U	< 610	ug/kg	1.00	6.1e+02	12/07/04	11/16/04	11/23/04
W040002327	B1B575	GRP	TRENT	106-46-7	1,4-Dichlorobenzene	SOIL	LA-523-456	U	< 300	ug/kg	1.00	3.0e+02	12/07/04	11/16/04	11/23/04
W040002327	B1B575	GRP	TRENT	108-95-2	Phenol	SOIL	LA-523-456	U	< 95.0	ug/kg	1.00	95	12/07/04	11/16/04	11/23/04
W040002327	B1B575	GRP	TRENT	120-82-1	1,2,4-Trichlorobenzene	SOIL	LA-523-456	U	< 280	ug/kg	1.00	2.8e+02	12/07/04	11/16/04	11/23/04
W040002327	B1B575	GRP	TRENT	121-14-2	2,4-Dinitrotoluene	SOIL	LA-523-456	U	< 63.0	ug/kg	1.00	63	12/07/04	11/16/04	11/23/04
W040002327	B1B575	GRP	TRENT	129-00-0	Pyrene	SOIL	LA-523-456	U	< 63.0	ug/kg	1.00	63	12/07/04	11/16/04	11/23/04
W040002327	B1B575	GRP	TRENT	59-50-7	4-Chloro-3-methylphenol	SOIL	LA-523-456	U	< 63.0	ug/kg	1.00	63	12/07/04	11/16/04	11/23/04
W040002327	B1B575	GRP	TRENT	621-64-7	N-Nitrosodi-n-dipropylamine	SOIL	LA-523-456	U	< 63.0	ug/kg	1.00	63	12/07/04	11/16/04	11/23/04
W040002327	B1B575	GRP	TRENT	83-32-9	Acenaphthene	SOIL	LA-523-456	U	< 63.0	ug/kg	1.00	63	12/07/04	11/16/04	11/23/04
W040002327	B1B575	GRP	TRENT	87-86-5	Pentachlorophenol	SOIL	LA-523-456	U	< 280	ug/kg	1.00	2.8e+02	12/07/04	11/16/04	11/23/04
W040002327	B1B575	GRP	TRENT	95-57-8	2-Chlorophenol	SOIL	LA-523-456	U	< 140	ug/kg	1.00	1.4e+02	12/07/04	11/16/04	11/23/04
W040002327	B1B575	GRP	TRENT	126-73-8	Tributyl phosphate	SOIL	LA-523-456	U	< 63.0	ug/kg	1.00	63	12/07/04	11/16/04	11/23/04
W040002327	B1B575	GRP	TRENT	TPHDIESEL	Total Pet. Hydrocarbons Diesel	SOIL	NWTPH	U	< 3.70e+03	ug/kg	1.00	3.7e+03	12/06/04	11/16/04	11/23/04
W040002327	B1B575	GRP	TRENT	TPHKEROSENE	Kerosene	SOIL	NWTPH	U	< 3.70e+03	ug/kg	1.00	3.7e+03	12/06/04	11/16/04	11/23/04
W040002328	B1B576	GRP	TRENT	TPHGASOLINE	Total Pet. Hydrocarbons Gas	SOIL	LA-523-443	U	< 250	ug/kg	1.00	2.5e+02	11/29/04	11/18/04	11/23/04
W040002328	B1B576	GRP	TRENT	100-02-7	4-Nitrophenol	SOIL	LA-523-456	U	< 480	ug/kg	1.00	4.8e+02	12/07/04	11/18/04	11/23/04
W040002328	B1B576	GRP	TRENT	106-46-7	1,4-Dichlorobenzene	SOIL	LA-523-456	U	< 230	ug/kg	1.00	2.3e+02	12/07/04	11/18/04	11/23/04
W040002328	B1B576	GRP	TRENT	108-95-2	Phenol	SOIL	LA-523-456	U	< 75.0	ug/kg	1.00	75	12/07/04	11/18/04	11/23/04
W040002328	B1B576	GRP	TRENT	120-82-1	1,2,4-Trichlorobenzene	SOIL	LA-523-456	U	< 220	ug/kg	1.00	2.2e+02	12/07/04	11/18/04	11/23/04
W040002328	B1B576	GRP	TRENT	121-14-2	2,4-Dinitrotoluene	SOIL	LA-523-456	U	< 50.0	ug/kg	1.00	50	12/07/04	11/18/04	11/23/04
W040002328	B1B576	GRP	TRENT	129-00-0	Pyrene	SOIL	LA-523-456	U	< 50.0	ug/kg	1.00	50	12/07/04	11/18/04	11/23/04
W040002328	B1B576	GRP	TRENT	59-50-7	4-Chloro-3-methylphenol	SOIL	LA-523-456	U	< 50.0	ug/kg	1.00	50	12/07/04	11/18/04	11/23/04
W040002328	B1B576	GRP	TRENT	621-64-7	N-Nitrosodi-n-dipropylamine	SOIL	LA-523-456	U	< 50.0	ug/kg	1.00	50	12/07/04	11/18/04	11/23/04
W040002328	B1B576	GRP	TRENT	83-32-9	Acenaphthene	SOIL	LA-523-456	U	< 50.0	ug/kg	1.00	50	12/07/04	11/18/04	11/23/04
W040002328	B1B576	GRP	TRENT	87-86-5	Pentachlorophenol	SOIL	LA-523-456	U	< 220	ug/kg	1.00	2.2e+02	12/07/04	11/18/04	11/23/04

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WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent
Project: F03-006: 200-PW-2/PW-4

Group #: WSCF20042230

Sample #	Client ID			CAS #	Test Performed	Matrix	WSCF Method	RQ		Result	Unit	DF	MDL	Analyze	Sample	Receive
W040002328	B1B576	GRP	TRENT	95-57-8	2-Chlorophenol	SOIL	LA-523-456	U	<	110	ug/kg	1.00	1.1e+02	12/07/04	11/18/04	11/23/04
W040002328	B1B576	GRP	TRENT	126-73-8	Tributyl phosphate	SOIL	LA-523-456	U	<	50.0	ug/kg	1.00	50	12/07/04	11/18/04	11/23/04
W040002328	B1B576	GRP	TRENT	75-35-4	1,1-Dichloroethene	SOIL	LA-523-455	U	<	2.00	ug/kg	1.00	2.0	11/29/04	11/18/04	11/23/04
W040002328	B1B576	GRP	TRENT	79-01-6	Trichloroethene	SOIL	LA-523-455	U	<	2.00	ug/kg	1.00	2.0	11/29/04	11/18/04	11/23/04
W040002328	B1B576	GRP	TRENT	71-43-2	Benzene	SOIL	LA-523-455	U	<	2.00	ug/kg	1.00	2.0	11/29/04	11/18/04	11/23/04
W040002328	B1B576	GRP	TRENT	108-88-3	Toluene	SOIL	LA-523-455	B		12.0	ug/kg	1.00	2.0	11/29/04	11/18/04	11/23/04
W040002328	B1B576	GRP	TRENT	108-90-7	Chlorobenzene	SOIL	LA-523-455	U	<	2.00	ug/kg	1.00	2.0	11/29/04	11/18/04	11/23/04
W040002328	B1B576	GRP	TRENT	75-34-3	1,1-Dichloroethane	SOIL	LA-523-455	U	<	2.00	ug/kg	1.00	2.0	11/29/04	11/18/04	11/23/04
W040002328	B1B576	GRP	TRENT	100-41-4	Ethylbenzene	SOIL	LA-523-455	U	<	2.00	ug/kg	1.00	2.0	11/29/04	11/18/04	11/23/04
W040002328	B1B576	GRP	TRENT	100-42-5	Styrene	SOIL	LA-523-455	U	<	2.00	ug/kg	1.00	2.0	11/29/04	11/18/04	11/23/04
W040002328	B1B576	GRP	TRENT	10061-01-5	cis-1,3-Dichloropropene	SOIL	LA-523-455	U	<	2.00	ug/kg	1.00	2.0	11/29/04	11/18/04	11/23/04
W040002328	B1B576	GRP	TRENT	10061-02-6	trans-1,3-Dichloropropene	SOIL	LA-523-455	U	<	2.00	ug/kg	1.00	2.0	11/29/04	11/18/04	11/23/04
W040002328	B1B576	GRP	TRENT	107-06-2	1,2-Dichloroethane	SOIL	LA-523-455	U	<	2.00	ug/kg	1.00	2.0	11/29/04	11/18/04	11/23/04
W040002328	B1B576	GRP	TRENT	108-10-1	4-Methyl-2-Pentanone	SOIL	LA-523-455	U	<	2.00	ug/kg	1.00	2.0	11/29/04	11/18/04	11/23/04
W040002328	B1B576	GRP	TRENT	124-48-1	Dibromochloromethane	SOIL	LA-523-455	U	<	2.00	ug/kg	1.00	2.0	11/29/04	11/18/04	11/23/04
W040002328	B1B576	GRP	TRENT	127-18-4	Tetrachloroethene	SOIL	LA-523-455	U	<	2.00	ug/kg	1.00	2.0	11/29/04	11/18/04	11/23/04
W040002328	B1B576	GRP	TRENT	1330-20-7	Xylenes (total)	SOIL	LA-523-455	U	<	2.00	ug/kg	1.00	2.0	11/29/04	11/18/04	11/23/04
W040002328	B1B576	GRP	TRENT	540-59-0	1,2-Dichloroethene(Total)	SOIL	LA-523-455	U	<	2.00	ug/kg	1.00	2.0	11/29/04	11/18/04	11/23/04
W040002328	B1B576	GRP	TRENT	56-23-5	Carbon tetrachloride	SOIL	LA-523-455	U	<	2.00	ug/kg	1.00	2.0	11/29/04	11/18/04	11/23/04
W040002328	B1B576	GRP	TRENT	591-78-6	2-Hexanone	SOIL	LA-523-455	U	<	2.00	ug/kg	1.00	2.0	11/29/04	11/18/04	11/23/04
W040002328	B1B576	GRP	TRENT	67-64-1	Acetone	SOIL	LA-523-455	U	<	2.00	ug/kg	1.00	2.0	11/29/04	11/18/04	11/23/04
W040002328	B1B576	GRP	TRENT	67-66-3	Chloroform	SOIL	LA-523-455	U	<	2.00	ug/kg	1.00	2.0	11/29/04	11/18/04	11/23/04
W040002328	B1B576	GRP	TRENT	71-55-6	1,1,1-Trichloroethane	SOIL	LA-523-455	U	<	2.00	ug/kg	1.00	2.0	11/29/04	11/18/04	11/23/04
W040002328	B1B576	GRP	TRENT	74-83-9	Bromomethane	SOIL	LA-523-455	U	<	2.00	ug/kg	1.00	2.0	11/29/04	11/18/04	11/23/04
W040002328	B1B576	GRP	TRENT	74-87-3	Chloromethane	SOIL	LA-523-455	U	<	2.00	ug/kg	1.00	2.0	11/29/04	11/18/04	11/23/04
W040002328	B1B576	GRP	TRENT	75-00-3	Chloroethane	SOIL	LA-523-455	U	<	2.00	ug/kg	1.00	2.0	11/29/04	11/18/04	11/23/04
W040002328	B1B576	GRP	TRENT	75-01-4	Vinyl chloride	SOIL	LA-523-455	U	<	2.00	ug/kg	1.00	2.0	11/29/04	11/18/04	11/23/04

MDL = Minimum Detection Limit
RQ = Result Qualifier

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

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

WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent
Project: F03-006: 200-PW-2/PW-4

Group #: WSCF20042230

Sample #	Client ID			CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W040002328	B1B576	GRP	TRENT	75-09-2	Methylenechloride	SOIL	LA-523-455	U	< 2.00	ug/kg	1.00	2.0	11/29/04	11/18/04	11/23/04
W040002328	B1B576	GRP	TRENT	75-15-0	Carbon disulfide	SOIL	LA-523-455	U	< 2.00	ug/kg	1.00	2.0	11/29/04	11/18/04	11/23/04
W040002328	B1B576	GRP	TRENT	75-25-2	Bromoform	SOIL	LA-523-455	U	< 2.00	ug/kg	1.00	2.0	11/29/04	11/18/04	11/23/04
W040002328	B1B576	GRP	TRENT	75-27-4	Bromodichloromethane	SOIL	LA-523-455	U	< 2.00	ug/kg	1.00	2.0	11/29/04	11/18/04	11/23/04
W040002328	B1B576	GRP	TRENT	78-87-5	1,2-Dichloropropane	SOIL	LA-523-455	U	< 2.00	ug/kg	1.00	2.0	11/29/04	11/18/04	11/23/04
W040002328	B1B576	GRP	TRENT	78-93-3	2-Butanone	SOIL	LA-523-455	U	< 2.00	ug/kg	1.00	2.0	11/29/04	11/18/04	11/23/04
W040002328	B1B576	GRP	TRENT	79-00-5	1,1,2-Trichloroethane	SOIL	LA-523-455	U	< 2.00	ug/kg	1.00	2.0	11/29/04	11/18/04	11/23/04
W040002328	B1B576	GRP	TRENT	79-34-5	1,1,2,2-Tetrachloroethane	SOIL	LA-523-455	U	< 2.00	ug/kg	1.00	2.0	11/29/04	11/18/04	11/23/04
W040002328	B1B576	GRP	TRENT	TPHDIESEL	Total Pet. Hydrocarbons Diesel	SOIL	NWTPH	U	< 5.00e+03	ug/kg	1.00	5.0e+03	12/06/04	11/18/04	11/23/04
W040002328	B1B576	GRP	TRENT	TPHKEROSENE	Kerosene	SOIL	NWTPH	U	< 5.00e+03	ug/kg	1.00	5.0e+03	12/06/04	11/18/04	11/23/04
W040002329	B1B577	GRP	TRENT	TPHGASOLINE	Total Pet. Hydrocarbons Gas	SOIL	LA-523-443	U	< 250	ug/kg	1.00	2.5e+02	11/29/04	11/22/04	11/23/04
W040002329	B1B577	GRP	TRENT	100-02-7	4-Nitrophenol	SOIL	LA-523-456	U	< 480	ug/kg	1.00	4.8e+02	12/07/04	11/22/04	11/23/04
W040002329	B1B577	GRP	TRENT	106-46-7	1,4-Dichlorobenzene	SOIL	LA-523-456	U	< 230	ug/kg	1.00	2.3e+02	12/07/04	11/22/04	11/23/04
W040002329	B1B577	GRP	TRENT	108-95-2	Phenol	SOIL	LA-523-456	U	< 75.0	ug/kg	1.00	75	12/07/04	11/22/04	11/23/04
W040002329	B1B577	GRP	TRENT	120-82-1	1,2,4-Trichlorobenzene	SOIL	LA-523-456	U	< 220	ug/kg	1.00	2.2e+02	12/07/04	11/22/04	11/23/04
W040002329	B1B577	GRP	TRENT	121-14-2	2,4-Dinitrotoluene	SOIL	LA-523-456	U	< 50.0	ug/kg	1.00	50	12/07/04	11/22/04	11/23/04
W040002329	B1B577	GRP	TRENT	129-00-0	Pyrene	SOIL	LA-523-456	U	< 50.0	ug/kg	1.00	50	12/07/04	11/22/04	11/23/04
W040002329	B1B577	GRP	TRENT	59-50-7	4-Chloro-3-methylphenol	SOIL	LA-523-456	U	< 50.0	ug/kg	1.00	50	12/07/04	11/22/04	11/23/04
W040002329	B1B577	GRP	TRENT	621-64-7	N-Nitrosodi-n-dipropylamine	SOIL	LA-523-456	U	< 50.0	ug/kg	1.00	50	12/07/04	11/22/04	11/23/04
W040002329	B1B577	GRP	TRENT	83-32-9	Acenaphthene	SOIL	LA-523-456	U	< 50.0	ug/kg	1.00	50	12/07/04	11/22/04	11/23/04
W040002329	B1B577	GRP	TRENT	87-86-5	Pentachlorophenol	SOIL	LA-523-456	U	< 220	ug/kg	1.00	2.2e+02	12/07/04	11/22/04	11/23/04
W040002329	B1B577	GRP	TRENT	95-57-8	2-Chlorophenol	SOIL	LA-523-456	U	< 110	ug/kg	1.00	1.1e+02	12/07/04	11/22/04	11/23/04
W040002329	B1B577	GRP	TRENT	126-73-8	Tributyl phosphate	SOIL	LA-523-456	U	< 50.0	ug/kg	1.00	50	12/07/04	11/22/04	11/23/04
W040002329	B1B577	GRP	TRENT	75-35-4	1,1-Dichloroethene	SOIL	LA-523-455	U	< 2.00	ug/kg	1.00	2.0	11/29/04	11/22/04	11/23/04
W040002329	B1B577	GRP	TRENT	79-01-6	Trichloroethene	SOIL	LA-523-455	U	< 2.00	ug/kg	1.00	2.0	11/29/04	11/22/04	11/23/04
W040002329	B1B577	GRP	TRENT	71-43-2	Benzene	SOIL	LA-523-455	U	< 2.00	ug/kg	1.00	2.0	11/29/04	11/22/04	11/23/04
W040002329	B1B577	GRP	TRENT	108-88-3	Toluene	SOIL	LA-523-455	BJ	8.40	ug/kg	1.00	2.0	11/29/04	11/22/04	11/23/04

MDL = Minimum Detection Limit
RQ = Result Qualifier

B - The Analyte detected in both the BLANK and the SAMPLE (org.)
J - Analyte is an estimate, has potentially larger errors
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B - The analyte < the RDL but > = the IDL/MDL (inorganic)
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WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent
Project: F03-006: 200-PW-2/PW-4

Group #: WSCF20042230

Sample #	Client ID			CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W040002329	B1B577	GRP	TRENT	108-90-7	Chlorobenzene	SOIL	LA-523-455	U	< 2.00	ug/kg	1.00	2.0	11/29/04	11/22/04	11/23/04
W040002329	B1B577	GRP	TRENT	75-34-3	1,1-Dichloroethane	SOIL	LA-523-455	U	< 2.00	ug/kg	1.00	2.0	11/29/04	11/22/04	11/23/04
W040002329	B1B577	GRP	TRENT	100-41-4	Ethylbenzene	SOIL	LA-523-455	U	< 2.00	ug/kg	1.00	2.0	11/29/04	11/22/04	11/23/04
W040002329	B1B577	GRP	TRENT	100-42-5	Styrene	SOIL	LA-523-455	U	< 2.00	ug/kg	1.00	2.0	11/29/04	11/22/04	11/23/04
W040002329	B1B577	GRP	TRENT	10061-01-5	cis-1,3-Dichloropropene	SOIL	LA-523-455	U	< 2.00	ug/kg	1.00	2.0	11/29/04	11/22/04	11/23/04
W040002329	B1B577	GRP	TRENT	10061-02-6	trans-1,3-Dichloropropene	SOIL	LA-523-455	U	< 2.00	ug/kg	1.00	2.0	11/29/04	11/22/04	11/23/04
W040002329	B1B577	GRP	TRENT	107-06-2	1,2-Dichloroethane	SOIL	LA-523-455	U	< 2.00	ug/kg	1.00	2.0	11/29/04	11/22/04	11/23/04
W040002329	B1B577	GRP	TRENT	108-10-1	4-Methyl-2-Pentanone	SOIL	LA-523-455	U	< 2.00	ug/kg	1.00	2.0	11/29/04	11/22/04	11/23/04
W040002329	B1B577	GRP	TRENT	124-48-1	Dibromochloromethane	SOIL	LA-523-455	U	< 2.00	ug/kg	1.00	2.0	11/29/04	11/22/04	11/23/04
W040002329	B1B577	GRP	TRENT	127-18-4	Tetrachloroethene	SOIL	LA-523-455	U	< 2.00	ug/kg	1.00	2.0	11/29/04	11/22/04	11/23/04
W040002329	B1B577	GRP	TRENT	1330-20-7	Xylenes (total)	SOIL	LA-523-455	U	< 2.00	ug/kg	1.00	2.0	11/29/04	11/22/04	11/23/04
W040002329	B1B577	GRP	TRENT	540-59-0	1,2-Dichloroethene(Total)	SOIL	LA-523-455	U	< 2.00	ug/kg	1.00	2.0	11/29/04	11/22/04	11/23/04
W040002329	B1B577	GRP	TRENT	56-23-5	Carbon tetrachloride	SOIL	LA-523-455	U	< 2.00	ug/kg	1.00	2.0	11/29/04	11/22/04	11/23/04
W040002329	B1B577	GRP	TRENT	591-78-6	2-Hexanone	SOIL	LA-523-455	U	< 2.00	ug/kg	1.00	2.0	11/29/04	11/22/04	11/23/04
W040002329	B1B577	GRP	TRENT	67-64-1	Acetone	SOIL	LA-523-455	U	< 2.00	ug/kg	1.00	2.0	11/29/04	11/22/04	11/23/04
W040002329	B1B577	GRP	TRENT	67-66-3	Chloroform	SOIL	LA-523-455	U	< 2.00	ug/kg	1.00	2.0	11/29/04	11/22/04	11/23/04
W040002329	B1B577	GRP	TRENT	71-55-6	1,1,1-Trichloroethane	SOIL	LA-523-455	U	< 2.00	ug/kg	1.00	2.0	11/29/04	11/22/04	11/23/04
W040002329	B1B577	GRP	TRENT	74-83-9	Bromomethane	SOIL	LA-523-455	U	< 2.00	ug/kg	1.00	2.0	11/29/04	11/22/04	11/23/04
W040002329	B1B577	GRP	TRENT	74-87-3	Chloromethane	SOIL	LA-523-455	U	< 2.00	ug/kg	1.00	2.0	11/29/04	11/22/04	11/23/04
W040002329	B1B577	GRP	TRENT	75-00-3	Chloroethane	SOIL	LA-523-455	U	< 2.00	ug/kg	1.00	2.0	11/29/04	11/22/04	11/23/04
W040002329	B1B577	GRP	TRENT	75-01-4	Vinyl chloride	SOIL	LA-523-455	U	< 2.00	ug/kg	1.00	2.0	11/29/04	11/22/04	11/23/04
W040002329	B1B577	GRP	TRENT	75-09-2	Methylenechloride	SOIL	LA-523-455	U	< 2.00	ug/kg	1.00	2.0	11/29/04	11/22/04	11/23/04
W040002329	B1B577	GRP	TRENT	75-15-0	Carbon disulfide	SOIL	LA-523-455	U	< 2.00	ug/kg	1.00	2.0	11/29/04	11/22/04	11/23/04
W040002329	B1B577	GRP	TRENT	75-25-2	Bromoform	SOIL	LA-523-455	U	< 2.00	ug/kg	1.00	2.0	11/29/04	11/22/04	11/23/04
W040002329	B1B577	GRP	TRENT	75-27-4	Bromodichloromethane	SOIL	LA-523-455	U	< 2.00	ug/kg	1.00	2.0	11/29/04	11/22/04	11/23/04
W040002329	B1B577	GRP	TRENT	78-87-5	1,2-Dichloropropane	SOIL	LA-523-455	U	< 2.00	ug/kg	1.00	2.0	11/29/04	11/22/04	11/23/04
W040002329	B1B577	GRP	TRENT	78-93-3	2-Butanone	SOIL	LA-523-455	U	< 2.00	ug/kg	1.00	2.0	11/29/04	11/22/04	11/23/04

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WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent
Project: F03-006: 200-PW-2/PW-4

Group #: WSCF20042230

Sample #	Client ID			CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W040002329	B1B577	GRP	TRENT	79-00-5	1,1,2-Trichloroethane	SOIL	LA-523-455	U	< 2.00	ug/kg	1.00	2.0	11/29/04	11/22/04	11/23/04
W040002329	B1B577	GRP	TRENT	79-34-5	1,1,2,2-Tetrachloroethane	SOIL	LA-523-455	U	< 2.00	ug/kg	1.00	2.0	11/29/04	11/22/04	11/23/04
W040002329	B1B577	GRP	TRENT	TPHDIESEL	Total Pet. Hydrocarbons Diesel	SOIL	NWTPH	U	< 5.00e+03	ug/kg	1.00	5.0e+03	12/06/04	11/22/04	11/23/04
W040002329	B1B577	GRP	TRENT	TPHKEROSENE	Kerosene	SOIL	NWTPH	U	< 5.00e+03	ug/kg	1.00	5.0e+03	12/06/04	11/22/04	11/23/04

MDL = Minimum Detection Limit
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WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20042230
Matrix: SOLID
Test: SW-846 8270B Semi-Vols

SAF Number: F03-006
Sample Date: 11/15/04
Receive Date:11/23/04

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
Lab ID: W040002325									
BATCH QC ASSOCIATED WITH SAMPLE									
SURR	2-Fluorophenol	367-12-4	2776.0	83.400	% Recov	12/07/04	42.000	105.000	
SURR	2-Fluorobiphenyl	321-60-8	3406.4	102.000	% Recov	12/07/04	56.000	122.000	
SURR	Nitrobenzene-d5	4165-60-0	2694.4	81.000	% Recov	12/07/04	64.000	111.000	
SURR	Phenol-d5	4165-62-2	2817.0	84.700	% Recov	12/07/04	54.000	120.000	
SURR	2,4,6-Tribromophenol	118-79-6	2691.6	80.900	% Recov	12/07/04	24.000	122.000	
SURR	Terphenyl-d14 (7Cl)	98904-43-9	3092.5	92.900	% Recov	12/07/04	35.000	150.000	
Lab ID: W040002326									
BATCH QC ASSOCIATED WITH SAMPLE									
SURR	2-Fluorophenol	367-12-4	2767.2	83.500	% Recov	12/07/04	42.000	105.000	
SURR	2-Fluorobiphenyl	321-60-8	3218.5	97.100	% Recov	12/07/04	56.000	122.000	
SURR	Nitrobenzene-d5	4165-60-0	2539.3	76.600	% Recov	12/07/04	64.000	111.000	
SURR	Phenol-d5	4165-62-2	2807.5	84.700	% Recov	12/07/04	54.000	120.000	
SURR	2,4,6-Tribromophenol	118-79-6	2541.1	76.600	% Recov	12/07/04	24.000	122.000	
SURR	Terphenyl-d14 (7Cl)	98904-43-9	3013.9	90.900	% Recov	12/07/04	35.000	150.000	
Lab ID: W040002327									
BATCH QC ASSOCIATED WITH SAMPLE									
SURR	2-Fluorophenol	367-12-4	2643.3	83.800	% Recov	12/07/04	42.000	105.000	
SURR	2-Fluorobiphenyl	321-60-8	3047.0	96.600	% Recov	12/07/04	56.000	122.000	
SURR	Nitrobenzene-d5	4165-60-0	2468.7	78.300	% Recov	12/07/04	64.000	111.000	
SURR	Phenol-d5	4165-62-2	2704.4	85.700	% Recov	12/07/04	54.000	120.000	
SURR	2,4,6-Tribromophenol	118-79-6	2675.9	84.800	% Recov	12/07/04	24.000	122.000	
SURR	Terphenyl-d14 (7Cl)	98904-43-9	2859.3	90.600	% Recov	12/07/04	35.000	150.000	

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20042230
Matrix: SOLID
Test: SW-846 8270B Semi-Vols

SAF Number: F03-006
Sample Date: 11/18/04
Receive Date:11/23/04

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
Lab ID: W040002328									
BATCH QC ASSOCIATED WITH SAMPLE									
SURR	2-Fluorophenol	367-12-4	2062.6	82.700	% Recov	12/07/04	42.000	105.000	
SURR	2-Fluorobiphenyl	321-60-8	2314.8	92.800	% Recov	12/07/04	56.000	122.000	
SURR	Nitrobenzene-d5	4165-60-0	1876.1	75.200	% Recov	12/07/04	64.000	111.000	
SURR	Phenol-d5	4165-62-2	2074.8	83.200	% Recov	12/07/04	54.000	120.000	
SURR	2,4,6-Tribromophenol	118-79-6	1877.9	75.300	% Recov	12/07/04	24.000	122.000	
SURR	Terphenyl-d14 (7Cl)	98904-43-9	2155.1	86.400	% Recov	12/07/04	35.000	150.000	
Lab ID: W040002329									
BATCH QC ASSOCIATED WITH SAMPLE									
SURR	2-Fluorophenol	367-12-4	2066.0	82.800	% Recov	12/07/04	42.000	105.000	
SURR	2-Fluorobiphenyl	321-60-8	2351.1	94.200	% Recov	12/07/04	56.000	122.000	
SURR	Nitrobenzene-d5	4165-60-0	1993.9	79.900	% Recov	12/07/04	64.000	111.000	
SURR	Phenol-d5	4165-62-2	2107.5	84.500	% Recov	12/07/04	54.000	120.000	
SURR	2,4,6-Tribromophenol	118-79-6	1905.9	76.400	% Recov	12/07/04	24.000	122.000	
SURR	Terphenyl-d14 (7Cl)	98904-43-9	2146.3	86.000	% Recov	12/07/04	35.000	150.000	
Lab ID: W040002413									
BATCH QC ASSOCIATED WITH SAMPLE									
MS	1,2,4-Trichlorobenzene	120-82-1	2131.6	82.400	% Recov	12/07/04	46.000	107.000	
MS	1,4-Dichlorobenzene	106-46-7	1991.6	77.000	% Recov	12/07/04	30.000	96.000	
MS	2,4-Dinitrotoluene	121-14-2	1786.9	69.100	% Recov	12/07/04	59.000	106.000	
MS	2-Fluorophenol	367-12-4	2062.2	79.700	% Recov	12/07/04	42.000	105.000	
MS	Acenaphthene	83-32-9	2277.8	88.000	% Recov	12/07/04	61.000	116.000	
MS	4-Chloro-3-methylphenol	59-50-7	3354.4	86.400	% Recov	12/07/04	61.000	106.000	
MS	2-Chlorophenol	95-57-8	3021.8	77.900	% Recov	12/07/04	66.000	106.000	
MS	N-Nitrosodi-n-dipropylamine	621-64-7	2403.7	92.900	% Recov	12/07/04	71.000	114.000	
MS	2-Fluorobiphenyl	321-60-8	2246.8	86.800	% Recov	12/07/04	56.000	122.000	

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20042230
Matrix: SOLID
Test: SW-846 8270B Semi-Vols

SAF Number: F03-006
Sample Date: 11/24/04
Receive Date:11/24/04

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
MS	Phenol	108-95-2	3360.2	86.600	% Recov	12/07/04	42.000	111.000	
MS	Nitrobenzene-d5	4165-60-0	1875.7	72.500	% Recov	12/07/04	64.000	111.000	
MS	4-Nitrophenol	100-02-7	2508.0	64.600	% Recov	12/07/04	32.000	118.000	
MS	Pentachlorophenol	87-86-5	2467.8	63.600	% Recov	12/07/04	62.000	114.000	
MS	Phenol-d5	4165-62-2	2299.0	88.900	% Recov	12/07/04	54.000	120.000	
MS	Pyrene	129-00-0	2011.9	77.800	% Recov	12/07/04	66.000	118.000	
MS	2,4,6-Tribromophenol	118-79-6	2180.2	84.300	% Recov	12/07/04	24.000	122.000	
MS	Terphenyl-d14 (7Cl)	98904-43-9	2100.8	81.200	% Recov	12/07/04	35.000	150.000	
MSD	1,2,4-Trichlorobenzene	120-82-1	2285.4	88.500	% Recov	12/07/04	46.000	107.000	
MSD	1,4-Dichlorobenzene	106-46-7	2115.1	81.900	% Recov	12/07/04	30.000	96.000	
MSD	2,4-Dinitrotoluene	121-14-2	2014.7	78.000	% Recov	12/07/04	59.000	106.000	
MSD	2-Fluorophenol	367-12-4	2076.4	80.400	% Recov	12/07/04	42.000	105.000	
MSD	Acenaphthene	83-32-9	2379.7	92.200	% Recov	12/07/04	61.000	116.000	
MSD	4-Chloro-3-methylphenol	59-50-7	3373.3	87.100	% Recov	12/07/04	61.000	106.000	
MSD	2-Chlorophenol	95-57-8	3114.3	80.400	% Recov	12/07/04	66.000	106.000	
MSD	N-Nitrosodi-n-dipropylamine	621-64-7	2734.5	106.000	% Recov	12/07/04	71.000	114.000	
MSD	2-Fluorobiphenyl	321-60-8	2361.8	91.500	% Recov	12/07/04	56.000	122.000	
MSD	Phenol	108-95-2	3436.2	88.700	% Recov	12/07/04	42.000	111.000	
MSD	Nitrobenzene-d5	4165-60-0	2248.0	87.100	% Recov	12/07/04	64.000	111.000	
MSD	4-Nitrophenol	100-02-7	2979.2	76.900	% Recov	12/07/04	32.000	118.000	
MSD	Pentachlorophenol	87-86-5	2448.9	63.200	% Recov	12/07/04	62.000	114.000	
MSD	Phenol-d5	4165-62-2	2384.2	92.300	% Recov	12/07/04	54.000	120.000	
MSD	Pyrene	129-00-0	2177.5	84.300	% Recov	12/07/04	66.000	118.000	
MSD	2,4,6-Tribromophenol	118-79-6	1963.0	76.000	% Recov	12/07/04	24.000	122.000	
MSD	Terphenyl-d14 (7Cl)	98904-43-9	2279.9	88.300	% Recov	12/07/04	35.000	150.000	
SPK-RPD	1,2,4-Trichlorobenzene	120-82-1	88.500	7.139	RPD	12/07/04	0.000	20.000	
SPK-RPD	1,4-Dichlorobenzene	106-46-7	81.900	6.167	RPD	12/07/04	0.000	20.000	
SPK-RPD	2,4-Dinitrotoluene	121-14-2	78.000	12.101	RPD	12/07/04	0.000	20.000	
SPK-RPD	2-Fluorophenol	367-12-4	80.400	0.874	RPD	12/07/04	0.000	20.000	
SPK-RPD	Acenaphthene	83-32-9	92.200	4.661	RPD	12/07/04	0.000	20.000	

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20042230
Matrix: SOLID
Test: SW-846 8270B Semi-Vols

SAF Number: F03-006
Sample Date: 11/24/04
Receive Date:11/24/04

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
SPK-RPD	4-Chloro-3-methylphenol	59-50-7	87.100	0.807	RPD	12/07/04	0.000	20.000	
SPK-RPD	2-Chlorophenol	95-57-8	80.400	3.159	RPD	12/07/04	0.000	20.000	
SPK-RPD	N-Nitrosodi-n-dipropylamine	621-64-7	106.000	13.172	RPD	12/07/04	0.000	20.000	
SPK-RPD	2-Fluorobiphenyl	321-60-8	91.500	5.272	RPD	12/07/04	0.000	20.000	
SPK-RPD	Phenol	108-95-2	88.700	2.396	RPD	12/07/04	0.000	20.000	
SPK-RPD	Nitrobenzene-d5	4165-60-0	87.100	18.296	RPD	12/07/04	0.000	20.000	
SPK-RPD	4-Nitrophenol	100-02-7	76.900	17.385	RPD	12/07/04	0.000	20.000	
SPK-RPD	Pentachlorophenol	87-86-5	63.200	0.631	RPD	12/07/04	0.000	20.000	
SPK-RPD	Phenol-d5	4165-62-2	92.300	3.753	RPD	12/07/04	0.000	20.000	
SPK-RPD	Pyrene	129-00-0	84.300	8.020	RPD	12/07/04	0.000	20.000	
SPK-RPD	2,4,6-Tribromophenol	118-79-6	76.000	10.356	RPD	12/07/04	0.000	20.000	
SPK-RPD	Terphenyl-d14 (7Cl)	98904-43-9	88.300	8.378	RPD	12/07/04	0.000	20.000	

BATCH QC

BLANK	1,2-Dichlorobenzene	95-50-1	< 270	n/a	ug/Kg	12/07/04			U
BLANK	1,2,4-Trichlorobenzene	120-82-1	< 220	n/a	ug/Kg	12/07/04			U
BLANK	1,3-Dichlorobenzene	541-73-1	< 240	n/a	ug/Kg	12/07/04			U
BLANK	1,4-Dichlorobenzene	106-46-7	< 230	n/a	ug/Kg	12/07/04			U
BLANK	2,4-Dichlorophenol	120-83-2	< 60	n/a	ug/Kg	12/07/04			U
BLANK	2,4-Dinitrotoluene	121-14-2	< 50	n/a	ug/Kg	12/07/04			U
BLANK	2,4,5-Trichlorophenol	95-95-4	< 55	n/a	ug/Kg	12/07/04			U
BLANK	2,4,6-Trichlorophenol	88-06-2	< 50	n/a	ug/Kg	12/07/04			U
BLANK	2,4-Dimethylphenol	105-67-9	< 50	n/a	ug/Kg	12/07/04			U
BLANK	2,6-Dinitrotoluene	606-20-2	< 50	n/a	ug/Kg	12/07/04			U
BLANK	2-Chloronaphthalene	91-58-7	< 50	n/a	ug/Kg	12/07/04			U
BLANK	2-Fluorophenol	367-12-4	2108.3	84.300	% Recov	12/07/04	42.000	105.000	
BLANK	2-Methylnaphthalene	91-57-6	< 140	n/a	ug/Kg	12/07/04			U
BLANK	2-Methylphenol (cresol, o-)	95-48-7	< 50	n/a	ug/Kg	12/07/04			U
BLANK	2-Nitroaniline	88-74-4	< 50	n/a	ug/Kg	12/07/04			U
BLANK	2-Nitrophenol	88-75-5	< 130	n/a	ug/Kg	12/07/04			U

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20042230
Matrix: SOLID
Test: SW-846 8270B Semi-Vols

SAF Number: F03-006
Sample Date:
Receive Date:

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
BLANK	3 & 4 Methylphenol Total	65794-96-9	< 85	n/a	ug/Kg	12/07/04			U
BLANK	3-Nitroaniline	99-09-2	< 50	n/a	ug/Kg	12/07/04			U
BLANK	4,6-Dinitro-2-methylphenol	534-52-1	< 500	n/a	ug/Kg	12/07/04			U
BLANK	4-Bromophenylphenyl ether	101-55-3	< 50	n/a	ug/Kg	12/07/04			U
BLANK	4-Chlorophenylphenyl ether	7005-72-3	< 50	n/a	ug/Kg	12/07/04			U
BLANK	Acenaphthene	83-32-9	< 50	n/a	ug/Kg	12/07/04			U
BLANK	Acenaphthylene	208-96-8	< 60	n/a	ug/Kg	12/07/04			U
BLANK	Anthracene	120-12-7	< 50	n/a	ug/Kg	12/07/04			U
BLANK	Bis(2-chloroethyl) ether	111-44-4	< 180	n/a	ug/Kg	12/07/04			U
BLANK	Benzo(a)anthracene	56-55-3	< 50	n/a	ug/Kg	12/07/04			U
BLANK	Benzo(b)fluoranthene	205-99-2	< 50	n/a	ug/Kg	12/07/04			U
BLANK	Benzo(ghi)perylene	191-24-2	< 50	n/a	ug/Kg	12/07/04			U
BLANK	Benzo(a)pyrene	50-32-8	< 50	n/a	ug/Kg	12/07/04			U
BLANK	Bis(2-Chloroethoxy)methane	111-91-1	< 85	n/a	ug/Kg	12/07/04			U
BLANK	Bis(2-ethylhexyl) phthalate	117-81-7	< 420	n/a	ug/Kg	12/07/04			U
BLANK	Bis(2-chloro-1-methylethyl)eth	108-60-1	< 190	n/a	ug/Kg	12/07/04			U
BLANK	Benzyl alcohol	100-51-6	< 55	n/a	ug/Kg	12/07/04			U
BLANK	Benzo(k)fluoranthene	207-08-9	< 50	n/a	ug/Kg	12/07/04			U
BLANK	Butylbenzylphthalate	85-68-7	< 50	n/a	ug/Kg	12/07/04			U
BLANK	Carbazole	86-74-8	< 60	n/a	ug/Kg	12/07/04			U
BLANK	4-Chloroaniline	106-47-8	< 70	n/a	ug/Kg	12/07/04			U
BLANK	4-Chloro-3-methylphenol	59-50-7	< 50	n/a	ug/Kg	12/07/04			U
BLANK	2-Chlorophenol	95-57-8	< 110	n/a	ug/Kg	12/07/04			U
BLANK	Chrysene	218-01-9	< 50	n/a	ug/Kg	12/07/04			U
BLANK	3,3'-Dichlorobenzidine	91-94-1	< 60	n/a	ug/Kg	12/07/04			U
BLANK	Dibenz[a,h]anthracene	53-70-3	< 50	n/a	ug/Kg	12/07/04			U
BLANK	Dibenzofuran	132-64-9	< 50	n/a	ug/Kg	12/07/04			U
BLANK	Di-n-butylphthalate	84-74-2	< 65	n/a	ug/Kg	12/07/04			U
BLANK	Diethylphthalate	84-66-2	< 140	n/a	ug/Kg	12/07/04			U
BLANK	Dimethyl phthalate	131-11-3	< 50	n/a	ug/Kg	12/07/04			U

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20042230
Matrix: SOLID
Test: SW-846 8270B Semi-Vols

SAF Number: F03-006
Sample Date:
Receive Date:

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
BLANK	2,4-Dinitrophenol	51-28-5	< 500	n/a	ug/Kg	12/07/04			U
BLANK	Di-n-octylphthalate	117-84-0	< 50	n/a	ug/Kg	12/07/04			U
BLANK	N-Nitrosodi-n-dipropylamine	621-64-7	< 50	n/a	ug/Kg	12/07/04			U
BLANK	2-Fluorobiphenyl	321-60-8	2408.1	96.300	% Recov	12/07/04	56.000	122.000	
BLANK	Fluorene	86-73-7	< 50	n/a	ug/Kg	12/07/04			U
BLANK	Fluoranthene	206-44-0	< 50	n/a	ug/Kg	12/07/04			U
BLANK	Hexachlorobenzene	118-74-1	< 50	n/a	ug/Kg	12/07/04			U
BLANK	Hexachlorobutadiene	87-68-3	< 280	n/a	ug/Kg	12/07/04			U
BLANK	Hexachlorocyclopentadiene	77-47-4	< 230	n/a	ug/Kg	12/07/04			U
BLANK	Hexachloroethane	67-72-1	< 350	n/a	ug/Kg	12/07/04			U
BLANK	Indeno(1,2,3-cd)pyrene	193-39-5	< 50	n/a	ug/Kg	12/07/04			U
BLANK	Isophorone	78-59-1	< 50	n/a	ug/Kg	12/07/04			U
BLANK	Phenol	108-95-2	< 75	n/a	ug/Kg	12/07/04			U
BLANK	Naphthalene	91-20-3	< 220	n/a	ug/Kg	12/07/04			U
BLANK	Nitrobenzene-d5	4165-60-0	1943.1	77.700	% Recov	12/07/04	64.000	111.000	
BLANK	Nitrobenzene	98-95-3	< 200	n/a	ug/Kg	12/07/04			U
BLANK	4-Nitrophenol	100-02-7	< 480	n/a	ug/Kg	12/07/04			U
BLANK	4-Nitroaniline	100-01-6	< 180	n/a	ug/Kg	12/07/04			U
BLANK	N-Nitrosodiphenylamine	86-30-6	< 50	n/a	ug/Kg	12/07/04			U
BLANK	Pentachlorophenol	87-86-5	< 220	n/a	ug/Kg	12/07/04			U
BLANK	Phenanthrene	85-01-8	< 50	n/a	ug/Kg	12/07/04			U
BLANK	Phenol-d5	4165-62-2	2055.5	82.200	% Recov	12/07/04	54.000	120.000	
BLANK	Pyrene	129-00-0	< 50	n/a	ug/Kg	12/07/04			U
BLANK	Tributyl phosphate	126-73-8	< 50	n/a	ug/Kg	12/07/04			U
BLANK	2,4,6-Tribromophenol	118-79-6	1944.1	77.800	% Recov	12/07/04	24.000	122.000	
BLANK	Terphenyl-d14 (7Cl)	98904-43-9	2300.3	92.000	% Recov	12/07/04	35.000	150.000	
LCS	1,2,4-Trichlorobenzene	120-82-1	2103.6	84.100	% Recov	12/07/04	46.000	107.000	
LCS	1,4-Dichlorobenzene	106-46-7	2081.5	83.300	% Recov	12/07/04	42.000	111.000	
LCS	2,4-Dinitrotoluene	121-14-2	2029.8	81.200	% Recov	12/07/04	59.000	106.000	
LCS	2-Fluorophenol	367-12-4	2215.2	88.600	% Recov	12/07/04	50.000	110.000	

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20042230
Matrix: SOLID
Test: SW-846 8270B Semi-Vols

SAF Number: F03-006
Sample Date:
Receive Date:

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
LCS	Acenaphthene	83-32-9	2386.9	95.500	% Recov	12/07/04	61.000	116.000	
LCS	4-Chloro-3-methylphenol	59-50-7	3219.7	85.900	% Recov	12/07/04	61.000	106.000	
LCS	2-Chlorophenol	95-57-8	3212.9	85.700	% Recov	12/07/04	66.000	106.000	
LCS	N-Nitrosodi-n-dipropylamine	621-64-7	2383.7	95.300	% Recov	12/07/04	71.000	114.000	
LCS	2-Fluorobiphenyl	321-60-8	2333.2	93.300	% Recov	12/07/04	58.000	109.000	
LCS	Phenol	108-95-2	3372.6	89.900	% Recov	12/07/04	67.000	105.000	
LCS	Nitrobenzene-d5	4165-60-0	2063.2	82.500	% Recov	12/07/04	60.000	118.000	
LCS	4-Nitrophenol	100-02-7	2543.3	67.800	% Recov	12/07/04	32.000	118.000	
LCS	Pentachlorophenol	87-86-5	2530.4	67.500	% Recov	12/07/04	62.000	114.000	
LCS	Phenol-d5	4165-62-2	2209.0	88.400	% Recov	12/07/04	59.000	116.000	
LCS	Pyrene	129-00-0	2034.3	81.400	% Recov	12/07/04	66.000	118.000	
LCS	2,4,6-Tribromophenol	118-79-6	2336.2	93.400	% Recov	12/07/04	60.000	120.000	
LCS	Terphenyl-d14 (7Cl)	98904-43-9	2253.6	90.100	% Recov	12/07/04	60.000	120.000	

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20042230
Matrix: SOLID
Test: WTPH-D TPH Diesel Range (Wa)

SAF Number: F03-006
Sample Date: 11/15/04
Receive Date:11/23/04

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
Lab ID: W040002325									
BATCH QC ASSOCIATED WITH SAMPLE									
SURR	ortho-Terphenyl Surr	84-15-1	25410	105.000	% Recov	12/06/04	70.000	130.000	
Lab ID: W040002326									
BATCH QC ASSOCIATED WITH SAMPLE									
SURR	ortho-Terphenyl Surr	84-15-1	25645	104.000	% Recov	12/06/04	70.000	130.000	
Lab ID: W040002327									
BATCH QC ASSOCIATED WITH SAMPLE									
SURR	ortho-Terphenyl Surr	84-15-1	22250	90.400	% Recov	12/06/04	70.000	130.000	
Lab ID: W040002328									
BATCH QC ASSOCIATED WITH SAMPLE									
SURR	ortho-Terphenyl Surr	84-15-1	32652	98.500	% Recov	12/06/04	70.000	130.000	
Lab ID: W040002329									
BATCH QC ASSOCIATED WITH SAMPLE									
SURR	ortho-Terphenyl Surr	84-15-1	31710	95.400	% Recov	12/06/04	70.000	130.000	
Lab ID: W040002413									
BATCH QC ASSOCIATED WITH SAMPLE									
MS	ortho-Terphenyl Surr	84-15-1	33506	97.400	% Recov	12/06/04	70.000	130.000	
MS	Total Pet. Hydrocarbons Diesel	TPHDIESEL	151830	88.300	% Recov	12/06/04	75.000	125.000	
MSD	ortho-Terphenyl Surr	84-15-1	34540	100.000	% Recov	12/06/04	70.000	130.000	
MSD	Total Pet. Hydrocarbons Diesel	TPHDIESEL	160920	93.600	% Recov	12/06/04	75.000	125.000	
SPK-RPD	ortho-Terphenyl Surr	84-15-1	100.000	2.634	RPD	12/06/04	0.000	20.000	
SPK-RPD	Total Pet. Hydrocarbons Diesel	TPHDIESEL	93.600	5.827	RPD	12/06/04	0.000	20.000	

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20042230
Matrix: SOLID
Test: WTPH-D TPH Diesel Range (Wa)

SAF Number: F03-006
Sample Date: 11/24/04
Receive Date:11/24/04

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
BATCH QC									
BLANK	Kerosene	TPHKEROSENE	< 3800	n/a	ug/Kg	12/06/04			U
BLANK	ortho-Terphenyl Surr	84-15-1	24362	97.400	% Recov	12/06/04	70.000	130.000	
BLANK	Total Pet. Hydrocarbons Diesel	TPHDIESEL	< 3800	n/a	ug/Kg	12/06/04			U
LCS	Kerosene	TPHKEROSENE	130160	104.000	% Recov	12/06/04	70.000	130.000	
LCS	ortho-Terphenyl Surr	84-15-1	23121	92.500	% Recov	12/06/04	70.000	130.000	

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20042230
Matrix: SOLID
Test: NWTPH-GX TPH Gasoline Range

SAF Number: F03-006
Sample Date: 11/18/04
Receive Date:11/23/04

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
Lab ID: W040002328									
BATCH QC ASSOCIATED WITH SAMPLE									
DUP	Total Pet. Hydrocarbons Gas	TPHGASOLINE	<250	n/a	RPD	11/29/04	0.000	20.000	U
MS	Total Pet. Hydrocarbons Gas	TPHGASOLINE	3700	107.246	% Recov	11/29/04	50.000	150.000	
MSD	Total Pet. Hydrocarbons Gas	TPHGASOLINE	3800	110.145	% Recov	11/29/04	50.000	150.000	
SPK-RPD	Total Pet. Hydrocarbons Gas	TPHGASOLINE	110.145	2.667	RPD	11/29/04	0.000	20.000	
BATCH QC									
BLANK	Total Pet. Hydrocarbons Gas	TPHGASOLINE	<250	n/a	mg/L	11/29/04	0.000	300.000	U
LCS	Total Pet. Hydrocarbons Gas	TPHGASOLINE	1100	86.207	% Recov	11/29/04	85.000	115.000	

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20042230
Matrix: SOLID
Test: VOA Ground Water Protection

SAF Number: F03-006
Sample Date: 11/18/04
Receive Date:11/23/04

Lab ID: W040002328
BATCH QC ASSOCIATED WITH SAMPLE

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
MS	1,1-Dichloroethene	75-35-4	45.700	91.400	% Recov	11/29/04	63.000	117.000	
MS	Benzene	71-43-2	54.150	108.000	% Recov	11/29/04	75.000	129.000	
MS	4-Bromofluorobenzene	460-00-4	98.870	98.900	% Recov	11/29/04	84.000	116.000	
MS	Chlorobenzene	108-90-7	55.840	112.000	% Recov	11/29/04	79.000	119.000	
MS	1,2-Dichloroethane-d4	17060-07-0	105.30	105.000	% Recov	11/29/04	82.000	136.000	
MS	Toluene-d8	2037-26-5	101.60	102.000	% Recov	11/29/04	89.000	119.000	
MS	Toluene	108-88-3	57.430	115.000	% Recov	11/29/04	76.000	120.000	
MS	Trichloroethene	79-01-6	52.850	106.000	% Recov	11/29/04	73.000	123.000	
MSD	1,1-Dichloroethene	75-35-4	47.390	94.800	% Recov	11/29/04	63.000	117.000	
MSD	Benzene	71-43-2	54.840	110.000	% Recov	11/29/04	75.000	129.000	
MSD	4-Bromofluorobenzene	460-00-4	98.820	98.800	% Recov	11/29/04	84.000	116.000	
MSD	Chlorobenzene	108-90-7	56.710	113.000	% Recov	11/29/04	79.000	119.000	
MSD	1,2-Dichloroethane-d4	17060-07-0	106.40	106.000	% Recov	11/29/04	82.000	136.000	
MSD	Toluene-d8	2037-26-5	102.80	103.000	% Recov	11/29/04	89.000	119.000	
MSD	Toluene	108-88-3	52.620	105.000	% Recov	11/29/04	76.000	120.000	
MSD	Trichloroethene	79-01-6	51.470	103.000	% Recov	11/29/04	73.000	123.000	
SPK-RPD	1,1-Dichloroethene	75-35-4	94.800	3.652	RPD	11/29/04	0.000	25.000	
SPK-RPD	Benzene	71-43-2	110.000	1.835	RPD	11/29/04	0.000	25.000	
SPK-RPD	4-Bromofluorobenzene	460-00-4	98.800	0.101	RPD	11/29/04	0.000	25.000	
SPK-RPD	Chlorobenzene	108-90-7	113.000	0.889	RPD	11/29/04	0.000	25.000	
SPK-RPD	1,2-Dichloroethane-d4	17060-07-0	106.000	0.948	RPD	11/29/04	0.000	25.000	
SPK-RPD	Toluene-d8	2037-26-5	103.000	0.976	RPD	11/29/04	0.000	25.000	
SPK-RPD	Toluene	108-88-3	105.000	9.091	RPD	11/29/04	0.000	25.000	
SPK-RPD	Trichloroethene	79-01-6	103.000	2.871	RPD	11/29/04	0.000	25.000	
SURR	4-Bromofluorobenzene	460-00-4	95.220	95.200	% Recov	11/29/04	71.000	125.000	
SURR	1,2-Dichloroethane-d4	17060-07-0	97.840	97.800	% Recov	11/29/04	80.000	134.000	

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20042230
Matrix: SOLID
Test: VOA Ground Water Protection

SAF Number: F03-006
Sample Date: 11/18/04
Receive Date:11/23/04

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
SURR	Toluene-d8	2037-26-5	97.280	97.300	% Recov	11/29/04	80.000	126.000	

Lab ID: W040002329
BATCH QC ASSOCIATED WITH SAMPLE

SURR	4-Bromofluorobenzene	460-00-4	98.290	98.300	% Recov	11/29/04	71.000	125.000	
SURR	1,2-Dichloroethane-d4	17060-07-0	108.60	109.000	% Recov	11/29/04	80.000	134.000	
SURR	Toluene-d8	2037-26-5	101.20	101.000	% Recov	11/29/04	80.000	126.000	

BATCH QC

BLANK	1,1-Dichloroethane	75-34-3	< 2.0	n/a	ug/Kg	11/29/04			U
BLANK	1,1,1-Trichloroethane	71-55-6	< 2.0	n/a	ug/Kg	11/29/04			U
BLANK	1,1,2-Trichloroethane	79-00-5	< 2.0	n/a	ug/Kg	11/29/04			U
BLANK	1,1,2,2-Tetrachloroethane	79-34-5	< 2.0	n/a	ug/Kg	11/29/04			U
BLANK	1,1-Dichloroethene	75-35-4	< 2.0	n/a	ug/Kg	11/29/04			U
BLANK	1,2-Dichloroethane	107-06-2	< 2.0	n/a	ug/Kg	11/29/04			U
BLANK	1,2-Dichloroethene(Total)	540-59-0	< 2.0	n/a	ug/Kg	11/29/04			U
BLANK	2-Hexanone	591-78-6	< 2.0	n/a	ug/Kg	11/29/04			U
BLANK	4-Methyl-2-Pentanone	108-10-1	< 2.0	n/a	ug/Kg	11/29/04			U
BLANK	Acetone	67-64-1	< 2.0	n/a	ug/Kg	11/29/04			U
BLANK	Bromodichloromethane	75-27-4	< 2.0	n/a	ug/Kg	11/29/04			U
BLANK	Benzene	71-43-2	< 2.0	n/a	ug/Kg	11/29/04			U
BLANK	4-Bromofluorobenzene	460-00-4	98.860	98.900	% Recov	11/29/04	71.000	125.000	
BLANK	Bromoform	75-25-2	< 2.0	n/a	ug/Kg	11/29/04			U
BLANK	Carbon disulfide	75-15-0	< 2.0	n/a	ug/Kg	11/29/04			U
BLANK	Carbon tetrachloride	56-23-5	< 2.0	n/a	ug/Kg	11/29/04			U
BLANK	Dibromochloromethane	124-48-1	< 2.0	n/a	ug/Kg	11/29/04			U
BLANK	Chloroform	67-66-3	< 2.0	n/a	ug/Kg	11/29/04			U
BLANK	Chlorobenzene	108-90-7	< 2.0	n/a	ug/Kg	11/29/04			U
BLANK	cis-1,3-Dichloropropene	10061-01-5	< 2.0	n/a	ug/Kg	11/29/04			U
BLANK	Chloroethane	75-00-3	< 2.0	n/a	ug/Kg	11/29/04			U

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20042230
Matrix: SOLID
Test: VOA Ground Water Protection

SAF Number: F03-006
Sample Date:
Receive Date:

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
BLANK	1,2-Dichloroethane-d4	17060-07-0	100.80	101.000	% Recov	11/29/04	80.000	134.000	
BLANK	1,2-Dichloropropane	78-87-5	< 2.0	n/a	ug/Kg	11/29/04			U
BLANK	Ethylbenzene	100-41-4	< 2.0	n/a	ug/Kg	11/29/04			U
BLANK	Bromomethane	74-83-9	< 2.0	n/a	ug/Kg	11/29/04			U
BLANK	Chloromethane	74-87-3	< 2.0	n/a	ug/Kg	11/29/04			U
BLANK	2-Butanone	78-93-3	< 2.0	n/a	ug/Kg	11/29/04			U
BLANK	Methylenechloride	75-09-2	< 2.0	n/a	ug/Kg	11/29/04			U
BLANK	Tetrachloroethene	127-18-4	< 2.0	n/a	ug/Kg	11/29/04			U
BLANK	Styrene	100-42-5	< 2.0	n/a	ug/Kg	11/29/04			U
BLANK	Xylenes (total)	1330-20-7	< 2.0	n/a	ug/Kg	11/29/04			U
BLANK	Toluene-d8	2037-26-5	98.720	98.700	% Recov	11/29/04	80.000	126.000	
BLANK	Toluene	108-88-3	13	13.000	ug/Kg	11/29/04			
BLANK	trans-1,3-Dichloropropene	10061-02-6	< 2.0	n/a	ug/Kg	11/29/04			U
BLANK	Trichloroethene	79-01-6	< 2.0	n/a	ug/Kg	11/29/04			U
BLANK	Vinyl chloride	75-01-4	< 2.0	n/a	ug/Kg	11/29/04			U
LCS	1,1-Dichloroethene	75-35-4	44.920	89.800	% Recov	11/29/04	70.000	130.000	
LCS	Benzene	71-43-2	54.680	109.000	% Recov	11/29/04	70.000	130.000	
LCS	4-Bromofluorobenzene	460-00-4	97.900	97.900	% Recov	11/29/04	71.000	125.000	
LCS	Chlorobenzene	108-90-7	56.840	114.000	% Recov	11/29/04	70.000	130.000	
LCS	1,2-Dichloroethane-d4	17060-07-0	110.50	110.000	% Recov	11/29/04	80.000	134.000	
LCS	Toluene-d8	2037-26-5	102.50	102.000	% Recov	11/29/04	80.000	126.000	
LCS	Toluene	108-88-3	58.230	116.000	% Recov	11/29/04	70.000	130.000	
LCS	Trichloroethene	79-01-6	51.680	103.000	% Recov	11/29/04	70.000	130.000	

WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent
Project: F03-006: 200-PW-2/PW-4

Group #: WSCF20042230

Sample #	Client ID			CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
Radiochemistry															
W040002325	B1B573	GRP	TRENT	14596-10-2	Americium-241	SOIL	LA-508-471		1.90e+03	pCi/g	1.00	11	12/20/04	11/15/04	11/23/04
W040002325	B1B573	GRP	TRENT	E,T,C	Am-241 by AEA Total Cntg Error	SOIL	LA-508-471		+- 4.9e+02	pCi/g	1.00	0.0	12/20/04	11/15/04	11/23/04
W040002325	B1B573	GRP	TRENT	14234-35-6	Antimony-125	SOIL	LA-508-481	U	-14.2	pCi/g	1.00	36	11/29/04	11/15/04	11/23/04
W040002325	B1B573	GRP	TRENT	E,T,C	Sb-125 Rel. Count Error (GEA)	SOIL	LA-508-481		+- 22	pCi/g	1.00	0.0	11/29/04	11/15/04	11/23/04
W040002325	B1B573	GRP	TRENT	10198-40-0	Cobalt-60	SOIL	LA-508-481	U	2.30	pCi/g	1.00	3.4	11/29/04	11/15/04	11/23/04
W040002325	B1B573	GRP	TRENT	E,T,C	Co-60 Rel. Count Error (GEA)	SOIL	LA-508-481		+- 2.3	pCi/g	1.00	0.0	11/29/04	11/15/04	11/23/04
W040002325	B1B573	GRP	TRENT	13967-70-9	Cesium-134	SOIL	LA-508-481	U	0.265	pCi/g	1.00	9.6	11/29/04	11/15/04	11/23/04
W040002325	B1B573	GRP	TRENT	E,T,C	Cs-134 Rel. Count Error (GEA)	SOIL	LA-508-481		+- 2.6	pCi/g	1.00	0.0	11/29/04	11/15/04	11/23/04
W040002325	B1B573	GRP	TRENT	10045-97-3	Cesium-137	SOIL	LA-508-481		2.00e+04	pCi/g	1.00	13	11/29/04	11/15/04	11/23/04
W040002325	B1B573	GRP	TRENT	E,T,C	Cs-137 Rel. Count Error (GEA)	SOIL	LA-508-481		+- 3.0e+03	pCi/g	1.00	0.0	11/29/04	11/15/04	11/23/04
W040002325	B1B573	GRP	TRENT	14683-23-9	Europium-152	SOIL	LA-508-481	U	-12.3	pCi/g	1.00	31	11/29/04	11/15/04	11/23/04
W040002325	B1B573	GRP	TRENT	E,T,C	Eu-152 Rel. Count Error (GEA)	SOIL	LA-508-481		+- 19	pCi/g	1.00	0.0	11/29/04	11/15/04	11/23/04
W040002325	B1B573	GRP	TRENT	15585-10-1	Europium-154	SOIL	LA-508-481	U	13.9	pCi/g	1.00	14	11/29/04	11/15/04	11/23/04
W040002325	B1B573	GRP	TRENT	E,T,C	Eu-154 Rel. Count Error (GEA)	SOIL	LA-508-481		+- 10	pCi/g	1.00	0.0	11/29/04	11/15/04	11/23/04
W040002325	B1B573	GRP	TRENT	14391-16-3	Europium-155	SOIL	LA-508-481	U	-6.63	pCi/g	1.00	26	11/29/04	11/15/04	11/23/04
W040002325	B1B573	GRP	TRENT	E,T,C	Eu-155 Rel. Count Error (GEA)	SOIL	LA-508-481		+- 16	pCi/g	1.00	0.0	11/29/04	11/15/04	11/23/04
W040002325	B1B573	GRP	TRENT	13982-63-3	Radium-226	SOIL	LA-508-481	U	-8.22	pCi/g	1.00	18	11/29/04	11/15/04	11/23/04
W040002325	B1B573	GRP	TRENT	E,T,C	Ra-226 Rel. Count Error (GEA)	SOIL	LA-508-481		+- 11	pCi/g	1.00	0.0	11/29/04	11/15/04	11/23/04
W040002325	B1B573	GRP	TRENT	15262-20-1	Radium-228	SOIL	LA-508-481	U	2.70	pCi/g	1.00	24	11/29/04	11/15/04	11/23/04
W040002325	B1B573	GRP	TRENT	E,T,C	Ra-228 Rel. Count Error (GEA)	SOIL	LA-508-481		+- 14	pCi/g	1.00	0.0	11/29/04	11/15/04	11/23/04
W040002325	B1B573	GRP	TRENT	15832-50-5	Tin-126	SOIL	LA-508-481	U	-1.11	pCi/g	1.00	16	11/29/04	11/15/04	11/23/04
W040002325	B1B573	GRP	TRENT	E,T,C	Sn-126 Rel. Count Error (GEA)	SOIL	LA-508-481		+- 9.7	pCi/g	1.00	0.0	11/29/04	11/15/04	11/23/04
W040002325	B1B573	GRP	TRENT	13994-20-2	Neptunium-237	SOIL	LA-508-471	X	6.80	pCi/g	1.00	3.3	12/16/04	11/15/04	11/23/04
W040002325	B1B573	GRP	TRENT	E,T,C	Np-237 by AEA Total Ctng Error	SOIL	LA-508-471		+- 4.1	pCi/g	1.00	0.0	12/16/04	11/15/04	11/23/04
W040002325	B1B573	GRP	TRENT	13981-16-3	Plutonium-238	SOIL	LA-508-471		190	pCi/g	1.00	13	12/20/04	11/15/04	11/23/04
W040002325	B1B573	GRP	TRENT	E,T,C	Pu-238 by AEA Total Cntg Error	SOIL	LA-508-471		+- 51	pCi/g	1.00	0.0	12/20/04	11/15/04	11/23/04

MDL = Minimum Detection Limit
RQ = Result Qualifier

B - The analyte < the RDL but > = the IDL/MDL (inorganic)
U - Analyzed for but not detected above limiting criteria.
J - Analyte is an estimate, has potentially larger errors
X - Other flags and notes described in the comments/narrative.

DF = Dilution Factor

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

WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent
Project: F03-006: 200-PW-2/PW-4

Group #: WSCF20042230

Sample #	Client ID			CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W040002325	B1B573	GRP	TRENT	PU-239/240	Pu-239/240 by AEA	SOIL	LA-508-471		1.10e+04	pCi/g	1.00	3.4	12/20/04	11/15/04	11/23/04
W040002325	B1B573	GRP	TRENT	E,T,C	Pu-239/240 AEA Total Cntg Err	SOIL	LA-508-471		+- 2.8e+03	pCi/g	1.00	0.0	12/20/04	11/15/04	11/23/04
W040002325	B1B573	GRP	TRENT	SR-RAD	Strontium-89/90	SOIL	LA-508-415		5.30e+04	pCi/g	1.00	1.3e+02	12/20/04	11/15/04	11/23/04
W040002325	B1B573	GRP	TRENT	E,T,C	Sr-89/90 Rel. Count Error	SOIL	LA-508-415		+- 8.0e+03	pCi/g	1.00	0.0	12/20/04	11/15/04	11/23/04
W040002325	B1B573	GRP	TRENT	U-233/234	Uranium-233/234	SOIL	LA-508-471		230	pCi/g	1.00	5.0	12/20/04	11/15/04	11/23/04
W040002325	B1B573	GRP	TRENT	E,T,C	U-233/234 AEA Total Cntg Error	SOIL	LA-508-471		+- 62	pCi/g	1.00	0.0	12/20/04	11/15/04	11/23/04
W040002325	B1B573	GRP	TRENT	15117-96-1	Uranium-235	SOIL	LA-508-471		25.0	pCi/g	1.00	5.5	12/20/04	11/15/04	11/23/04
W040002325	B1B573	GRP	TRENT	E,T,C	U-235 by AEA Total Cntg Error	SOIL	LA-508-471		+- 10	pCi/g	1.00	0.0	12/20/04	11/15/04	11/23/04
W040002325	B1B573	GRP	TRENT	U-238	Uranium-238	SOIL	LA-508-471		200	pCi/g	1.00	1.5	12/20/04	11/15/04	11/23/04
W040002325	B1B573	GRP	TRENT	E,T,C	U-238 by AEA Total Cntg Error	SOIL	LA-508-471		+- 56	pCi/g	1.00	0.10	12/20/04	11/15/04	11/23/04
W040002326	B1B574	GRP	TRENT	14596-10-2	Americium-241	SOIL	LA-508-471	U	6.10	pCi/g	1.00	6.5	12/20/04	11/16/04	11/23/04
W040002326	B1B574	GRP	TRENT	E,T,C	Am-241 by AEA Total Cntg Error	SOIL	LA-508-471		+- 4.9	pCi/g	1.00	0.0	12/20/04	11/16/04	11/23/04
W040002326	B1B574	GRP	TRENT	10198-40-0	Cobalt-60	SOIL	LA-508-481	U	0.0602	pCi/g	1.00	0.12	11/24/04	11/16/04	11/23/04
W040002326	B1B574	GRP	TRENT	E,T,C	Co-60 Rel. Count Error (GEA)	SOIL	LA-508-481		+- 0.059	pCi/g	1.00	0.0	11/24/04	11/16/04	11/23/04
W040002326	B1B574	GRP	TRENT	10045-97-3	Cesium-137	SOIL	LA-508-481		501	pCi/g	1.00	0.56	11/24/04	11/16/04	11/23/04
W040002326	B1B574	GRP	TRENT	E,T,C	Cs-137 Rel. Count Error (GEA)	SOIL	LA-508-481		+- 91	pCi/g	1.00	0.0	11/24/04	11/16/04	11/23/04
W040002326	B1B574	GRP	TRENT	14683-23-9	Europium-152	SOIL	LA-508-481	U	-0.153	pCi/g	1.00	2.3	11/24/04	11/16/04	11/23/04
W040002326	B1B574	GRP	TRENT	E,T,C	Eu-152 Rel. Count Error (GEA)	SOIL	LA-508-481		+- 1.3	pCi/g	1.00	0.0	11/24/04	11/16/04	11/23/04
W040002326	B1B574	GRP	TRENT	15585-10-1	Europium-154	SOIL	LA-508-481	U	4.73e-03	pCi/g	1.00	0.33	11/24/04	11/16/04	11/23/04
W040002326	B1B574	GRP	TRENT	E,T,C	Eu-154 Rel. Count Error (GEA)	SOIL	LA-508-481		+- 0.047	pCi/g	1.00	0.0	11/24/04	11/16/04	11/23/04
W040002326	B1B574	GRP	TRENT	14391-16-3	Europium-155	SOIL	LA-508-481	U	-0.376	pCi/g	1.00	3.6	11/24/04	11/16/04	11/23/04
W040002326	B1B574	GRP	TRENT	E,T,C	Eu-155 Rel. Count Error (GEA)	SOIL	LA-508-481		+- 2.2	pCi/g	1.00	0.0	11/24/04	11/16/04	11/23/04
W040002326	B1B574	GRP	TRENT	13982-63-3	Radium-226	SOIL	LA-508-481	U	0.892	pCi/g	1.00	1.1	11/24/04	11/16/04	11/23/04
W040002326	B1B574	GRP	TRENT	E,T,C	Ra-226 Rel. Count Error (GEA)	SOIL	LA-508-481		+- 0.69	pCi/g	1.00	0.0	11/24/04	11/16/04	11/23/04
W040002326	B1B574	GRP	TRENT	15262-20-1	Radium-228	SOIL	LA-508-481	U	0.479	pCi/g	1.00	0.51	11/24/04	11/16/04	11/23/04
W040002326	B1B574	GRP	TRENT	E,T,C	Ra-228 Rel. Count Error (GEA)	SOIL	LA-508-481		+- 0.42	pCi/g	1.00	0.0	11/24/04	11/16/04	11/23/04
W040002326	B1B574	GRP	TRENT	13994-20-2	Neptunium-237	SOIL	LA-508-471	U	1.10	pCi/g	1.00	4.1	12/16/04	11/16/04	11/23/04

MDL = Minimum Detection Limit
RQ = Result Qualifier

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

WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent
Project: F03-006: 200-PW-2/PW-4

Group #: WSCF20042230

Sample #	Client ID			CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W040002326	B1B574	GRP	TRENT	E,T,C	Np-237 by AEA Total Ctng Error	SOIL	LA-508-471		+- 2.2	pCi/g	1.00	0.0	12/16/04	11/16/04	11/23/04
W040002326	B1B574	GRP	TRENT	13981-16-3	Plutonium-238	SOIL	LA-508-471	U	4.70	pCi/g	1.00	5.6	12/20/04	11/16/04	11/23/04
W040002326	B1B574	GRP	TRENT	E,T,C	Pu-238 by AEA Total Cntg Error	SOIL	LA-508-471		+- 4.1	pCi/g	1.00	0.0	12/20/04	11/16/04	11/23/04
W040002326	B1B574	GRP	TRENT	PU-239/240	Pu-239/240 by AEA	SOIL	LA-508-471		26.0	pCi/g	1.00	4.0	12/20/04	11/16/04	11/23/04
W040002326	B1B574	GRP	TRENT	E,T,C	Pu-239/240 AEA Total Cntg Err	SOIL	LA-508-471		+- 9.6	pCi/g	1.00	0.0	12/20/04	11/16/04	11/23/04
W040002326	B1B574	GRP	TRENT	SR-RAD	Strontium-89/90	SOIL	LA-508-415		4.10e+03	pCi/g	1.00	1.4e+02	12/20/04	11/16/04	11/23/04
W040002326	B1B574	GRP	TRENT	E,T,C	Sr-89/90 Rel. Count Error	SOIL	LA-508-415		+- 8.2e+02	pCi/g	1.00	0.0	12/20/04	11/16/04	11/23/04
W040002326	B1B574	GRP	TRENT	U-233/234	Uranium-233/234	SOIL	LA-508-471		0.0160	pCi/g	1.00	4.1e-03	12/20/04	11/16/04	11/23/04
W040002326	B1B574	GRP	TRENT	E,T,C	U-233/234 AEA Total Cntg Error	SOIL	LA-508-471		+- 6.9e-03	pCi/g	1.00	0.0	12/20/04	11/16/04	11/23/04
W040002326	B1B574	GRP	TRENT	15117-96-1	Uranium-235	SOIL	LA-508-471	U	9.80e-04	pCi/g	1.00	4.5e-03	12/20/04	11/16/04	11/23/04
W040002326	B1B574	GRP	TRENT	E,T,C	U-235 by AEA Total Cntg Error	SOIL	LA-508-471		+- 2.4e-03	pCi/g	1.00	0.0	12/20/04	11/16/04	11/23/04
W040002326	B1B574	GRP	TRENT	U-238	Uranium-238	SOIL	LA-508-471		8.00e-03	pCi/g	1.00	1.2e-03	12/20/04	11/16/04	11/23/04
W040002326	B1B574	GRP	TRENT	E,T,C	U-238 by AEA Total Cntg Error	SOIL	LA-508-471		+- 4.3e-03	pCi/g	1.00	0.10	12/20/04	11/16/04	11/23/04
W040002327	B1B575	GRP	TRENT	14596-10-2	Americium-241	SOIL	LA-508-471	U	3.10	pCi/g	1.00	7.4	12/20/04	11/16/04	11/23/04
W040002327	B1B575	GRP	TRENT	E,T,C	Am-241 by AEA Total Cntg Error	SOIL	LA-508-471		+- 4.3	pCi/g	1.00	0.0	12/20/04	11/16/04	11/23/04
W040002327	B1B575	GRP	TRENT	10198-40-0	Cobalt-60	SOIL	LA-508-481	U	0.0248	pCi/g	1.00	0.11	11/24/04	11/16/04	11/23/04
W040002327	B1B575	GRP	TRENT	E,T,C	Co-60 Rel. Count Error (GEA)	SOIL	LA-508-481		+- 0.061	pCi/g	1.00	0.0	11/24/04	11/16/04	11/23/04
W040002327	B1B575	GRP	TRENT	10045-97-3	Cesium-137	SOIL	LA-508-481		760	pCi/g	1.00	0.63	11/24/04	11/16/04	11/23/04
W040002327	B1B575	GRP	TRENT	E,T,C	Cs-137 Rel. Count Error (GEA)	SOIL	LA-508-481		+- 1.2e+02	pCi/g	1.00	0.0	11/24/04	11/16/04	11/23/04
W040002327	B1B575	GRP	TRENT	14683-23-9	Europium-152	SOIL	LA-508-481	U	-1.09	pCi/g	1.00	2.4	11/24/04	11/16/04	11/23/04
W040002327	B1B575	GRP	TRENT	E,T,C	Eu-152 Rel. Count Error (GEA)	SOIL	LA-508-481		+- 1.5	pCi/g	1.00	0.0	11/24/04	11/16/04	11/23/04
W040002327	B1B575	GRP	TRENT	15585-10-1	Europium-154	SOIL	LA-508-481	U	0.226	pCi/g	1.00	0.45	11/24/04	11/16/04	11/23/04
W040002327	B1B575	GRP	TRENT	E,T,C	Eu-154 Rel. Count Error (GEA)	SOIL	LA-508-481		+- 0.24	pCi/g	1.00	0.0	11/24/04	11/16/04	11/23/04
W040002327	B1B575	GRP	TRENT	14391-16-3	Europium-155	SOIL	LA-508-481	U	0.133	pCi/g	1.00	3.4	11/24/04	11/16/04	11/23/04
W040002327	B1B575	GRP	TRENT	E,T,C	Eu-155 Rel. Count Error (GEA)	SOIL	LA-508-481		+- 1.3	pCi/g	1.00	0.0	11/24/04	11/16/04	11/23/04
W040002327	B1B575	GRP	TRENT	13982-63-3	Radium-226	SOIL	LA-508-481	U	0.360	pCi/g	1.00	1.2	11/24/04	11/16/04	11/23/04
W040002327	B1B575	GRP	TRENT	E,T,C	Ra-226 Rel. Count Error (GEA)	SOIL	LA-508-481		+- 0.75	pCi/g	1.00	0.0	11/24/04	11/16/04	11/23/04

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J - Analyte is an estimate, has potentially larger errors
X - Other flags and notes described in the comments/narrative.

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WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent
Project: F03-006: 200-PW-2/PW-4

Group #: WSCF20042230

Sample #	Client ID			CAS #	Test Performed	Matrix	WSCF Method	RQ		Result	Unit	DF	MDL	Analyze	Sample	Receive
W040002327	B1B575	GRP	TRENT	15262-20-1	Radium-228	SOIL	LA-508-481			0.846	pCi/g	1.00	0.68	11/24/04	11/16/04	11/23/04
W040002327	B1B575	GRP	TRENT	E,T,C	Ra-228 Rel. Count Error (GEA)	SOIL	LA-508-481		+-	0.50	pCi/g	1.00	0.0	11/24/04	11/16/04	11/23/04
W040002327	B1B575	GRP	TRENT	13994-20-2	Neptunium-237	SOIL	LA-508-471	U		-2.80	pCi/g	1.00	7.9	12/16/04	11/16/04	11/23/04
W040002327	B1B575	GRP	TRENT	E,T,C	Np-237 by AEA Total Ctng Error	SOIL	LA-508-471		+-	28	pCi/g	1.00	0.0	12/16/04	11/16/04	11/23/04
W040002327	B1B575	GRP	TRENT	13981-16-3	Plutonium-238	SOIL	LA-508-471	U		1.40	pCi/g	1.00	12	12/20/04	11/16/04	11/23/04
W040002327	B1B575	GRP	TRENT	E,T,C	Pu-238 by AEA Total Cntg Error	SOIL	LA-508-471		+-	6.7	pCi/g	1.00	0.0	12/20/04	11/16/04	11/23/04
W040002327	B1B575	GRP	TRENT	PU-239/240	Pu-239/240 by AEA	SOIL	LA-508-471			13.0	pCi/g	1.00	4.4	12/20/04	11/16/04	11/23/04
W040002327	B1B575	GRP	TRENT	E,T,C	Pu-239/240 AEA Total Cntg Err	SOIL	LA-508-471		+-	6.2	pCi/g	1.00	0.0	12/20/04	11/16/04	11/23/04
W040002327	B1B575	GRP	TRENT	SR-RAD	Strontium-89/90	SOIL	LA-508-415			4.90e+03	pCi/g	1.00	1.5e+02	12/20/04	11/16/04	11/23/04
W040002327	B1B575	GRP	TRENT	E,T,C	Sr-89/90 Rel. Count Error	SOIL	LA-508-415		+-	9.8e+02	pCi/g	1.00	0.0	12/20/04	11/16/04	11/23/04
W040002327	B1B575	GRP	TRENT	U-233/234	Uranium-233/234	SOIL	LA-508-471			7.80	pCi/g	1.00	3.6	12/20/04	11/16/04	11/23/04
W040002327	B1B575	GRP	TRENT	E,T,C	U-233/234 AEA Total Cntg Error	SOIL	LA-508-471		+-	4.6	pCi/g	1.00	0.0	12/20/04	11/16/04	11/23/04
W040002327	B1B575	GRP	TRENT	15117-96-1	Uranium-235	SOIL	LA-508-471	U		1.10	pCi/g	1.00	3.9	12/20/04	11/16/04	11/23/04
W040002327	B1B575	GRP	TRENT	E,T,C	U-235 by AEA Total Cntg Error	SOIL	LA-508-471		+-	2.2	pCi/g	1.00	0.0	12/20/04	11/16/04	11/23/04
W040002327	B1B575	GRP	TRENT	U-238	Uranium-238	SOIL	LA-508-471			12.0	pCi/g	1.00	1.3	12/20/04	11/16/04	11/23/04
W040002327	B1B575	GRP	TRENT	E,T,C	U-238 by AEA Total Cntg Error	SOIL	LA-508-471		+-	5.8	pCi/g	1.00	0.10	12/20/04	11/16/04	11/23/04
W040002328	B1B576	GRP	TRENT	14596-10-2	Americium-241	SOIL	LA-508-471			0.0320	pCi/g	1.00	0.019	12/20/04	11/18/04	11/23/04
W040002328	B1B576	GRP	TRENT	E,T,C	Am-241 by AEA Total Cntg Error	SOIL	LA-508-471		+-	0.018	pCi/g	1.00	0.0	12/20/04	11/18/04	11/23/04
W040002328	B1B576	GRP	TRENT	10198-40-0	Cobalt-60	SOIL	LA-508-481			0.0223	pCi/g	1.00	0.021	11/24/04	11/18/04	11/23/04
W040002328	B1B576	GRP	TRENT	E,T,C	Co-60 Rel. Count Error (GEA)	SOIL	LA-508-481		+-	0.018	pCi/g	1.00	0.0	11/24/04	11/18/04	11/23/04
W040002328	B1B576	GRP	TRENT	10045-97-3	Cesium-137	SOIL	LA-508-481			2.41	pCi/g	1.00	0.019	11/24/04	11/18/04	11/23/04
W040002328	B1B576	GRP	TRENT	E,T,C	Cs-137 Rel. Count Error (GEA)	SOIL	LA-508-481		+-	0.39	pCi/g	1.00	0.0	11/24/04	11/18/04	11/23/04
W040002328	B1B576	GRP	TRENT	14683-23-9	Europium-152	SOIL	LA-508-481	U		-0.0284	pCi/g	1.00	0.062	11/24/04	11/18/04	11/23/04
W040002328	B1B576	GRP	TRENT	E,T,C	Eu-152 Rel. Count Error (GEA)	SOIL	LA-508-481		+-	0.050	pCi/g	1.00	0.0	11/24/04	11/18/04	11/23/04
W040002328	B1B576	GRP	TRENT	15585-10-1	Europium-154	SOIL	LA-508-481	U		-0.0500	pCi/g	1.00	0.061	11/24/04	11/18/04	11/23/04
W040002328	B1B576	GRP	TRENT	E,T,C	Eu-154 Rel. Count Error (GEA)	SOIL	LA-508-481		+-	0.050	pCi/g	1.00	0.0	11/24/04	11/18/04	11/23/04
W040002328	B1B576	GRP	TRENT	14391-16-3	Europium-155	SOIL	LA-508-481	U		9.34e-03	pCi/g	1.00	0.081	11/24/04	11/18/04	11/23/04

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

WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent
Project: F03-006: 200-PW-2/PW-4

Group #: WSCF20042230

Sample #	Client ID			CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W040002328	B1B576	GRP	TRENT	E,T,C	Eu-155 Rel. Count Error (GEA)	SOIL	LA-508-481		+- 0.048	pCi/g	1.00	0.0	11/24/04	11/18/04	11/23/04
W040002328	B1B576	GRP	TRENT	13982-63-3	Radium-226	SOIL	LA-508-481		0.468	pCi/g	1.00	0.039	11/24/04	11/18/04	11/23/04
W040002328	B1B576	GRP	TRENT	E,T,C	Ra-226 Rel. Count Error (GEA)	SOIL	LA-508-481		+- 0.084	pCi/g	1.00	0.0	11/24/04	11/18/04	11/23/04
W040002328	B1B576	GRP	TRENT	15262-20-1	Radium-228	SOIL	LA-508-481		0.573	pCi/g	1.00	0.061	11/24/04	11/18/04	11/23/04
W040002328	B1B576	GRP	TRENT	E,T,C	Ra-228 Rel. Count Error (GEA)	SOIL	LA-508-481		+- 0.11	pCi/g	1.00	0.0	11/24/04	11/18/04	11/23/04
W040002328	B1B576	GRP	TRENT	13994-20-2	Neptunium-237	SOIL	LA-508-471	U	-2.30e-03	pCi/g	1.00	0.010	12/13/04	11/18/04	11/23/04
W040002328	B1B576	GRP	TRENT	E,T,C	Np-237 by AEA Total Ctng Error	SOIL	LA-508-471		+- 0.023	pCi/g	1.00	0.0	12/13/04	11/18/04	11/23/04
W040002328	B1B576	GRP	TRENT	13981-16-3	Plutonium-238	SOIL	LA-508-471	U	0.0220	pCi/g	1.00	0.055	12/20/04	11/18/04	11/23/04
W040002328	B1B576	GRP	TRENT	E,T,C	Pu-238 by AEA Total Cntg Error	SOIL	LA-508-471		+- 0.033	pCi/g	1.00	0.0	12/20/04	11/18/04	11/23/04
W040002328	B1B576	GRP	TRENT	PU-239/240	Pu-239/240 by AEA	SOIL	LA-508-471		0.0390	pCi/g	1.00	0.022	12/20/04	11/18/04	11/23/04
W040002328	B1B576	GRP	TRENT	E,T,C	Pu-239/240 AEA Total Cntg Err	SOIL	LA-508-471		+- 0.022	pCi/g	1.00	0.0	12/20/04	11/18/04	11/23/04
W040002328	B1B576	GRP	TRENT	SR-RAD	Strontium-89/90	SOIL	LA-508-415		1.10	pCi/g	1.00	0.20	12/07/04	11/18/04	11/23/04
W040002328	B1B576	GRP	TRENT	E,T,C	Sr-89/90 Rel. Count Error	SOIL	LA-508-415		+- 0.34	pCi/g	1.00	0.0	12/07/04	11/18/04	11/23/04
W040002328	B1B576	GRP	TRENT	U-233/234	Uranium-233/234	SOIL	LA-508-471		2.60	pCi/g	1.00	0.014	12/20/04	11/18/04	11/23/04
W040002328	B1B576	GRP	TRENT	E,T,C	U-233/234 AEA Total Cntg Error	SOIL	LA-508-471		+- 0.68	pCi/g	1.00	0.0	12/20/04	11/18/04	11/23/04
W040002328	B1B576	GRP	TRENT	15117-96-1	Uranium-235	SOIL	LA-508-471		0.160	pCi/g	1.00	5.7e-03	12/20/04	11/18/04	11/23/04
W040002328	B1B576	GRP	TRENT	E,T,C	U-235 by AEA Total Cntg Error	SOIL	LA-508-471		+- 0.054	pCi/g	1.00	0.0	12/20/04	11/18/04	11/23/04
W040002328	B1B576	GRP	TRENT	U-238	Uranium-238	SOIL	LA-508-471		2.90	pCi/g	1.00	5.2e-03	12/20/04	11/18/04	11/23/04
W040002328	B1B576	GRP	TRENT	E,T,C	U-238 by AEA Total Cntg Error	SOIL	LA-508-471		+- 0.75	pCi/g	1.00	0.10	12/20/04	11/18/04	11/23/04
W040002329	B1B577	GRP	TRENT	14596-10-2	Americium-241	SOIL	LA-508-471		0.530	pCi/g	1.00	0.013	12/20/04	11/22/04	11/23/04
W040002329	B1B577	GRP	TRENT	E,T,C	Am-241 by AEA Total Cntg Error	SOIL	LA-508-471		+- 0.13	pCi/g	1.00	0.0	12/20/04	11/22/04	11/23/04
W040002329	B1B577	GRP	TRENT	10198-40-0	Cobalt-60	SOIL	LA-508-481	U	0.0131	pCi/g	1.00	0.024	11/24/04	11/22/04	11/23/04
W040002329	B1B577	GRP	TRENT	E,T,C	Co-60 Rel. Count Error (GEA)	SOIL	LA-508-481		+- 0.012	pCi/g	1.00	0.0	11/24/04	11/22/04	11/23/04
W040002329	B1B577	GRP	TRENT	10045-97-3	Cesium-137	SOIL	LA-508-481		30.9	pCi/g	1.00	0.055	11/24/04	11/22/04	11/23/04
W040002329	B1B577	GRP	TRENT	E,T,C	Cs-137 Rel. Count Error (GEA)	SOIL	LA-508-481		+- 4.3	pCi/g	1.00	0.0	11/24/04	11/22/04	11/23/04
W040002329	B1B577	GRP	TRENT	14683-23-9	Europium-152	SOIL	LA-508-481	U	-0.175	pCi/g	1.00	0.26	11/24/04	11/22/04	11/23/04
W040002329	B1B577	GRP	TRENT	E,T,C	Eu-152 Rel. Count Error (GEA)	SOIL	LA-508-481		+- 0.18	pCi/g	1.00	0.0	11/24/04	11/22/04	11/23/04

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WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent
Project: F03-006: 200-PW-2/PW-4

Group #: WSCF20042230

Sample #	Client ID			CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W040002329	B1B577	GRP	TRENT	15585-10-1	Europium-154	SOIL	LA-508-481	U	-5.52e-04	pCi/g	1.00	0.079	11/24/04	11/22/04	11/23/04
W040002329	B1B577	GRP	TRENT	E,T,C	Eu-154 Rel. Count Error (GEA)	SOIL	LA-508-481		+- 5.5e-03	pCi/g	1.00	0.0	11/24/04	11/22/04	11/23/04
W040002329	B1B577	GRP	TRENT	14391-16-3	Europium-155	SOIL	LA-508-481	U	-0.188	pCi/g	1.00	0.33	11/24/04	11/22/04	11/23/04
W040002329	B1B577	GRP	TRENT	E,T,C	Eu-155 Rel. Count Error (GEA)	SOIL	LA-508-481		+- 0.20	pCi/g	1.00	0.0	11/24/04	11/22/04	11/23/04
W040002329	B1B577	GRP	TRENT	13982-63-3	Radium-226	SOIL	LA-508-481		0.394	pCi/g	1.00	0.13	11/24/04	11/22/04	11/23/04
W040002329	B1B577	GRP	TRENT	E,T,C	Ra-226 Rel. Count Error (GEA)	SOIL	LA-508-481		+- 0.12	pCi/g	1.00	0.0	11/24/04	11/22/04	11/23/04
W040002329	B1B577	GRP	TRENT	15262-20-1	Radium-228	SOIL	LA-508-481		0.535	pCi/g	1.00	0.091	11/24/04	11/22/04	11/23/04
W040002329	B1B577	GRP	TRENT	E,T,C	Ra-228 Rel. Count Error (GEA)	SOIL	LA-508-481		+- 0.12	pCi/g	1.00	0.0	11/24/04	11/22/04	11/23/04
W040002329	B1B577	GRP	TRENT	13994-20-2	Neptunium-237	SOIL	LA-508-471	U	-2.50e-03	pCi/g	1.00	9.0e-03	12/13/04	11/22/04	11/23/04
W040002329	B1B577	GRP	TRENT	E,T,C	Np-237 by AEA Total Ctng Error	SOIL	LA-508-471		+- 0.025	pCi/g	1.00	0.0	12/13/04	11/22/04	11/23/04
W040002329	B1B577	GRP	TRENT	13981-16-3	Plutonium-238	SOIL	LA-508-471	U	0.0480	pCi/g	1.00	0.052	12/20/04	11/22/04	11/23/04
W040002329	B1B577	GRP	TRENT	E,T,C	Pu-238 by AEA Total Cntg Error	SOIL	LA-508-471		+- 0.036	pCi/g	1.00	0.0	12/20/04	11/22/04	11/23/04
W040002329	B1B577	GRP	TRENT	PU-239/240	Pu-239/240 by AEA	SOIL	LA-508-471		3.00	pCi/g	1.00	5.0e-03	12/20/04	11/22/04	11/23/04
W040002329	B1B577	GRP	TRENT	E,T,C	Pu-239/240 AEA Total Cntg Err	SOIL	LA-508-471		+- 0.78	pCi/g	1.00	0.0	12/20/04	11/22/04	11/23/04
W040002329	B1B577	GRP	TRENT	SR-RAD	Strontium-89/90	SOIL	LA-508-415		12.0	pCi/g	1.00	0.20	12/07/04	11/22/04	11/23/04
W040002329	B1B577	GRP	TRENT	E,T,C	Sr-89/90 Rel. Count Error	SOIL	LA-508-415		+- 1.8	pCi/g	1.00	0.0	12/07/04	11/22/04	11/23/04
W040002329	B1B577	GRP	TRENT	U-233/234	Uranium-233/234	SOIL	LA-508-471		1.40	pCi/g	1.00	4.7e-03	12/20/04	11/22/04	11/23/04
W040002329	B1B577	GRP	TRENT	E,T,C	U-233/234 AEA Total Cntg Error	SOIL	LA-508-471		+- 0.36	pCi/g	1.00	0.0	12/20/04	11/22/04	11/23/04
W040002329	B1B577	GRP	TRENT	15117-96-1	Uranium-235	SOIL	LA-508-471		0.110	pCi/g	1.00	5.1e-03	12/20/04	11/22/04	11/23/04
W040002329	B1B577	GRP	TRENT	E,T,C	U-235 by AEA Total Cntg Error	SOIL	LA-508-471		+- 0.041	pCi/g	1.00	0.0	12/20/04	11/22/04	11/23/04
W040002329	B1B577	GRP	TRENT	U-238	Uranium-238	SOIL	LA-508-471		1.40	pCi/g	1.00	0.013	12/20/04	11/22/04	11/23/04
W040002329	B1B577	GRP	TRENT	E,T,C	U-238 by AEA Total Cntg Error	SOIL	LA-508-471		+- 0.36	pCi/g	1.00	0.10	12/20/04	11/22/04	11/23/04

MDL=Minimum Detection Limit
RQ=Result Qualifier

B - The analyte < the RDL but >= the IDL/MDL (inorganic)
U - Analyzed for but not detected above limiting criteria.
J - Analyte is an estimate, has potentially larger errors
X - Other flags and notes described in the comments/narrative.

DF=Dilution Factor

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

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20042230
Matrix: SOLID
Test: Americium by AEA

SAF Number: F03-006
Sample Date: 11/18/04
Receive Date:11/23/04

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
Lab ID: W040002328									
BATCH QC ASSOCIATED WITH SAMPLE									
DUP	Americium-241	14596-10-2	3.3e-02	3.077	RPD	12/20/04	0.000	20.000	
BATCH QC									
BLANK	Americium-241	14596-10-2	2.0e-02	0.020	pCi/g	12/20/04	-10.000	1000.000	
LCS	Americium-241	14596-10-2	4.7e+01	97.713	% Recov	12/20/04	75.000	125.000	

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20042230
Matrix: SOLID
Test: Americium by AEA

SAF Number: F03-006
Sample Date: 11/15/04
Receive Date:11/23/04

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
Lab ID: W040002325									
BATCH QC ASSOCIATED WITH SAMPLE									
DUP	Americium-241	14596-10-2	4.6e+02	122.034	RPD	12/20/04	0.000	20.000	*
BATCH QC									
BLANK	Americium-241	14596-10-2	U1.5e+00	n/a	pCi/g	12/20/04	-10.000	1000.000	
LCS	Americium-241	14596-10-2	1.2e+01	107.865	% Recov	12/20/04	75.000	125.000	

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20042230
Matrix: SOLID
Test: Gamma Energy Analysis-grd H2O

SAF Number: F03-006
Sample Date: 11/15/04
Receive Date:11/23/04

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
Lab ID: W040002325									
BATCH QC ASSOCIATED WITH SAMPLE									
DUP	Cobalt-60	10198-40-0	U3.67e-2	n/a	RPD	11/29/04	0.000	20.000	
DUP	Cesium-134	13967-70-9	U3.85e0	n/a	RPD	11/29/04	0.000	20.000	
DUP	Cesium-137	10045-97-3	2.01e+04	0.499	RPD	11/29/04	0.000	20.000	
DUP	Europium-152	14683-23-9	U-1.49e1	n/a	RPD	11/29/04	0.000	20.000	
DUP	Europium-154	15585-10-1	U9.80e0	n/a	RPD	11/29/04	0.000	20.000	
DUP	Europium-155	14391-16-3	U1.90e-1	n/a	RPD	11/29/04	0.000	20.000	
DUP	Radium-226	13982-63-3	U1.71e1	n/a	RPD	11/29/04	0.000	20.000	
DUP	Radium-228	15262-20-1	U-9.58e0	n/a	RPD	11/29/04	0.000	20.000	
DUP	Antimony-125	14234-35-6	U1.60e1	n/a	RPD	11/29/04	0.000	20.000	
DUP	Tin-126	15832-50-5	U1.46e1	n/a	RPD	11/29/04	0.000	20.000	
BATCH QC									
BLANK	Cobalt-60	10198-40-0	U3.58e-4	n/a	pCi/g	11/24/04	-10.000	1000.000	
BLANK	Cesium-134	13967-70-9	U-1.1e-3	n/a	pCi/g	11/24/04	-10.000	1000.000	
BLANK	Cesium-137	10045-97-3	U-2.3e-3	n/a	pCi/g	11/24/04	-10.000	1000.000	
BLANK	Europium-152	14683-23-9	U-7.8e-3	n/a	pCi/g	11/24/04	-10.000	1000.000	
BLANK	Europium-154	15585-10-1	U-3.1e-4	n/a	pCi/g	11/24/04	-10.000	1000.000	
BLANK	Europium-155	14391-16-3	U4.12e-4	n/a	pCi/g	11/24/04	-10.000	1000.000	
BLANK	Radium-226	13982-63-3	1.18e-01	0.118	pCi/g	11/24/04	-10.000	1000.000	
BLANK	Radium-228	15262-20-1	4.76e-02	0.048	pCi/g	11/24/04	-10.000	1000.000	
BLANK	Antimony-125	14234-35-6	U6.75e-3	n/a	pCi/g	11/24/04	-10.000	1000.000	
BLANK	Tin-126	15832-50-5	U1.59e-2	n/a	pCi/g	11/24/04	-10.000	1000.000	
LCS	Cobalt-60	10198-40-0	4.41e+03	105.251	% Recov	11/29/04	80.000	120.000	
LCS	Cesium-137	10045-97-3	3.76e+03	105.028	% Recov	11/29/04	80.000	120.000	

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20042230
Matrix: SOLID
Test: Neptunium by AEA

SAF Number: F03-006
Sample Date: 11/18/04
Receive Date:11/23/04

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
Lab ID: W040002328									
BATCH QC ASSOCIATED WITH SAMPLE									
DUP	Neptunium-237	13994-20-2	U-9.7e-04	n/a	RPD	12/13/04	0.000	25.000	
BATCH QC									
BLANK	Neptunium-237	13994-20-2	7.9e-04	0.001	pCi/g	12/13/04	-10.000	1000.000	
LCS	Neptunium-237	13994-20-2	23.0	23.000	% Recov	12/13/04	75.000	125.000	*
Lab ID: W040002325									
BATCH QC ASSOCIATED WITH SAMPLE									
DUP	Neptunium-237	13994-20-2	2.9	80.412	RPD	12/16/04	0.000	25.000	*
BATCH QC									
BLANK	Neptunium-237	13994-20-2	-1.6	-1.600	pCi/g	12/16/04	-10.000	1000.000	
LCS	Neptunium-237	13994-20-2	33.0	33.000	% Recov	12/16/04	75.000	125.000	*

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20042230
Matrix: SOLID
Test: Plutonium Isotopics by AEA

SAF Number: F03-006
Sample Date: 11/15/04
Receive Date:11/23/04

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
Lab ID: W040002325									
BATCH QC ASSOCIATED WITH SAMPLE									
DUP	Pu-239/240 by AEA	PU-239/240	2.4e+03	128.358	RPD	12/20/04	0.000	20.000	*
BATCH QC									
BLANK	Pu-239/240 by AEA	PU-239/240	2.4e+01	24.000	pCi/g	12/20/04	-10.000	1000.000	
LCS	Pu-239/240 by AEA	PU-239/240	12.7	103.252	% Recov	12/20/04	75.000	125.000	

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20042230
Matrix: SOLID
Test: Strontium 89/90

SAF Number: F03-006
Sample Date: 11/24/04
Receive Date:11/29/04

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
Lab ID: W040002460									
BATCH QC ASSOCIATED WITH SAMPLE									
DUP	Strontium-89/90	SR-RAD	-4.3E-01	-660.000	RPD	12/07/04	0.000	20.000	*
BATCH QC									
BLANK	Strontium-89/90	10098-97-2	-1.0E-01	-0.100	pCi/g	12/07/04	-10.000	300.000	
LCS	Strontium-89/90	10098-97-2	74.1	104.219	% Recov	12/07/04	80.000	120.000	

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20042230
Matrix: SOLID
Test: Strontium 89/90

SAF Number: F03-006
Sample Date: 11/15/04
Receive Date:11/23/04

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
Lab ID: W040002325									
BATCH QC ASSOCIATED WITH SAMPLE									
DUP	Strontium-89/90	SR-RAD	3.4E+04	43.678	RPD	12/20/04	0.000	20.000	*
BATCH QC									
BLANK	Strontium-89/90	10098-97-2	U-8.6E+01	n/a	pCi/g	12/20/04	-10.000	300.000	
LCS	Strontium-89/90	10098-97-2	76.7	107.876	% Recov	12/20/04	80.000	120.000	

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20042230
Matrix: SOLID
Test: Plutonium Isotopics by AEA

SAF Number: F03-006
Sample Date: 11/18/04
Receive Date:11/23/04

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
Lab ID: W040002328									
BATCH QC ASSOCIATED WITH SAMPLE									
DUP	Pu-239/240 by AEA	PU-239/240	U-3.8E-03	n/a	RPD	12/20/04	0.000	20.000	
BATCH QC									
BLANK	Pu-239/240 by AEA	PU-239/240	5.3e-03	0.005	pCi/g	12/20/04	-10.000	1000.000	
LCS	Pu-239/240 by AEA	PU-239/240	5.0e+01	101.626	% Recov	12/20/04	75.000	125.000	

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20042230
Matrix: SOLID
Test: Uranium Isotopics by AEA

SAF Number: F03-006
Sample Date: 11/15/04
Receive Date:11/23/04

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
Lab ID: W040002325									
BATCH QC ASSOCIATED WITH SAMPLE									
DUP	Uranium-238	U-238	1.7e+02	16.216	RPD	12/20/04	0.000	20.000	
BATCH QC									
BLANK	Uranium-238	24678-82-8	U4.5e-01	n/a	pCi/g	12/20/04	-10.000	1000.000	
LCS	Uranium-238	24678-82-8	22.31	117.700	% Recov	12/20/04	75.000	125.000	
Lab ID: W040002328									
BATCH QC ASSOCIATED WITH SAMPLE									
DUP	Uranium-238	U-238	2.3e+00	23.077	RPD	12/20/04	0.000	20.000	
BATCH QC									
BLANK	Uranium-238	24678-82-8	U5.4e-03	n/a	pCi/g	12/20/04	-10.000	1000.000	
LCS	Uranium-238	24678-82-8	8.8e+01	116.064	% Recov	12/20/04	75.000	125.000	

WSCF
ANALYTICAL COMMENT REPORT

Attention: Steve Trent
Project Number F03-006

Group #: WSCF20042230

Sample #	Client ID	Lab Area	Test	Comment
		VALGROUP		W040002325 Am-241 detected at 324 pCi/g. IC anions: Chloride DUP RPD criterion not applicable to sample results < 10X MDL IC ammonia-N, DUP RPD criterion not applicable to sample results <10X MDL -wb W040002328-29/Sr89/90 duplicate is flagged but the sample activity is low level. RPD does not apply.lmh ORGANICS: Sample concentrations are corrected for moisture and reported dry weight basis. gar SVOA: A J-flag is used for target compounds where the concentration is less than the lowest calibration standard but greater than the detection limit. den VOA: A J-flag is used for target compounds that were found at a concentration less than the lowest calibration standard but greater than the detection limit. gar ICP-MS: Preparation blank results are in ug/L (ppb); sample results are in ug/g (ppm). No flags. W040002328/Np237 duplicate is flagged but the sample activity is below detection. LCS recovery is low so

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

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WSCF
ANALYTICAL COMMENT REPORT

Attention: Steve Trent
Project Number F03-006

Group #: WSCF20042230

Sample #	Client ID	Lab Area	Test	Comment
				the sample result is an estimated value.lmh
				W040002325-2327/Np237 duplicate is flagged but the sample activity is low level. LCS recovery is low so the sample results for this batch are estimated values.lmh
				W040003225-2327/Sr89/90 duplicate is flagged because the sample is not homogeneous.lmh
				W040002325-2327/Pu duplicate is flagged because the sample is not homogeneous.lmh
				W040002328-2329/U ISO duplicate is flagged because the sample is not homogeneous.lmh

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

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WSCF
TENTATIVELY IDENTIFIED PEAK REPORT

Attention: Steve Trent
Project Number F03-006 :200-PW-2/PW-4

Group #: WSCF20042230

Sample #	Client ID			Test Name	Peak Name	CAS#	RT	RQ	Result	Units
W040002325	B1B573	GRP	TRENT	Gamma Energy Analysis-grd H2O	AM-241 Count Error				15	%
W040002326	B1B574	GRP	TRENT	Gamma Energy Analysis-grd H2O	K-40 Count Error				17	%
W040002326	B1B574	GRP	TRENT	SW-846 8270B Semi-Vols	SMP 11.059 Diethylphthalate	84-66-2	11.05973		3.3e+02	ug/kg
W040002326	B1B574	GRP	TRENT	SW-846 8270B Semi-Vols	SMP 14.810 Di-n-butylphthalate	84-74-2	14.81001		3.0e+02	ug/kg
W040002327	B1B575	GRP	TRENT	Gamma Energy Analysis-grd H2O	K-40 Count Error				18	%
W040002327	B1B575	GRP	TRENT	SW-846 8270B Semi-Vols	SMP 11.038 Diethylphthalate	84-66-2	11.03843		4.0e+02	ug/kg
W040002327	B1B575	GRP	TRENT	SW-846 8270B Semi-Vols	SMP 14.809 Di-n-butylphthalate	84-74-2	14.80915		9.7e+02	ug/kg
W040002328	B1B576	GRP	TRENT	Gamma Energy Analysis-grd H2O	K-40 Count Error				13	%
W040002328	B1B576	GRP	TRENT	Gamma Energy Analysis-grd H2O	PB-212 Count Error				15	%
W040002328	B1B576	GRP	TRENT	Gamma Energy Analysis-grd H2O	PB-214 Count Error				17	%
W040002328	B1B576	GRP	TRENT	Gamma Energy Analysis-grd H2O	BI-214 Count Error				18	%
W040002328	B1B576	GRP	TRENT	Gamma Energy Analysis-grd H2O	AC-228 Count Error				19	%
W040002328	B1B576	GRP	TRENT	Gamma Energy Analysis-grd H2O	TL-208 Count Error				19	%
W040002328	B1B576	GRP	TRENT	Gamma Energy Analysis-grd H2O	BI-212 Count Error				36	%
W040002328	B1B576	GRP	TRENT	SW-846 8270B Semi-Vols	SMP 11.080 Diethylphthalate	84-66-2	11.08025		1.8e+02	ug/kg
W040002328	B1B576	GRP	TRENT	SW-846 8270B Semi-Vols	SMP 14.810 Di-n-butylphthalate	84-74-2	14.81008		3.3e+02	ug/kg
W040002329	B1B577	GRP	TRENT	Gamma Energy Analysis-grd H2O	K-40 Count Error				10	%
W040002329	B1B577	GRP	TRENT	Gamma Energy Analysis-grd H2O	AC-228 Count Error				23	%
W040002329	B1B577	GRP	TRENT	Gamma Energy Analysis-grd H2O	BI-214 Count Error				31	%
W040002329	B1B577	GRP	TRENT	Gamma Energy Analysis-grd H2O	PB-214 Count Error				38	%
W040002329	B1B577	GRP	TRENT	Gamma Energy Analysis-grd H2O	PB-212 Count Error				39	%
W040002329	B1B577	GRP	TRENT	SW-846 8270B Semi-Vols	SMP 14.801 Di-n-butylphthalate	84-74-2	14.80131		3.1e+02	ug/kg
W040002329	B1B577	GRP	TRENT	SW-846 8270B Semi-Vols	SMP 23.221 Unknown Hydrocarbon	Unknown	23.22155	J	4.2e+02	ug/kg
W040002329	B1B577	GRP	TRENT	SW-846 8270B Semi-Vols	SMP 23.885 Unknown Hydrocarbon	Unknown	23.88576	J	4.0e+02	ug/kg
W040002329	B1B577	GRP	TRENT	SW-846 8270B Semi-Vols	SMP 26.103 Unknown Hydrocarbon	Unknown	26.10323	J	4.7e+02	ug/kg

RQ=Result Qualifier J - Analyte is an estimate, has potentially larger errors

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WSCF
TENTATIVELY IDENTIFIED PEAK REPORT

Attention: Steve Trent
Project Number F03-006 :200-PW-2/PW-4

Group #: WSCF20042230

Sample #	Client ID	Test Name	Peak Name	CAS#	RT	RQ	Result	Units

RQ=Result Qualifier J - Analyte is an estimate, has potentially larger errors

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WSCF
METHOD REFERENCES REPORT

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

LA-212-411 Determination of Soil pH Measurement
EPA SW-846 9045C SOIL AND WASTE pH

LA-503-401 LA-503-401: ANALYSIS OF CATIONS BY ION CHROMATOGRAPHY
EPA-600/4-86-024 300.7 Dissolved Sodium, Ammonium, Potassium, and Calcium in Wet Deposition by Chemical

LA-505-411 LA-505-411: ELEMENTAL ANALYSIS BY INDUCTIVELY COUPLED PLASMA ATOMIC EMISSION SPE
EPA SW-846 6010B INDUCTIVELY COUPLED PLASMA-ATOMIC EMISSION SPECTROMETRY

LA-505-412 LA-505-412: DETERMINATION OF TRACE ELEMENTS IN WATERS AND WASTES BY INDUCTIVELY
EPA-600/R-94-111 200.8 DETERMINATION OF TRACE ELEMENTS IN WATERS AND WASTES BY INDUCTIVELY COUPLED PLAS

LA-508-415 LA-508-415: OPERATION OF THE PROTEAN 2-INCH ALPHA/BETA COUNTING SYSTEM FOR GROSS
None No reference to any industry method.

LA-508-471 LA-508-471: ALPHA ENERGY ANALYZER DATA ACQUISITION AND SYSTEM CHECKOUT USING ALP
None No reference to any industry method.

LA-508-481 LA-508-481: GAMMA ENERGY ANALYSIS USING PROCOUNT SOFTWARE
None No reference to any industry method.

LA-519-412 LA-519-412: TOTAL RESIDUE/% SOLIDS DRIED AT 103 - 105 C
EPA-600/4-79-020 160.3 RESIDUE, TOTAL
Standard Methods 2540B Total Solids Dried at 103-105 C

Note: A complete list of WSCF analytical procedures and referenced regulatory or industry methods is available online at \\ap006\aspdocs\WSCF\Sample Mgmt\ProcedureMethodCrossReference.pdf. This document includes on-line links to full-text versions of the procedures and methods, where available.

WSCF
METHOD REFERENCES REPORT

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LA-523-443	LA-523-443: GAS CHROMATOGRAPH ANALYSIS OF GASOLINE RANGE TOTAL PETROLEUM HYDROCA	
	WDOE TPH NWTPH-G	Volatile Petroleum Products Method for Soil and Water
LA-523-455	LA-523-455: VOLATILE SAMPLE ANALYSIS BY SW-846	
	EPA SW-846 8000B	DETERMINATIVE CHROMATOGRAPHIC SEPARATIONS
	EPA SW-846 8260B	VOLATILE ORGANIC COMPOUNDS BY GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC/MS)
LA-523-456	LA-523-456: SEMIVOLATILE SAMPLE ANALYSIS BY SW-846, METHOD 8270C	
	EPA SW-846 8000B	DETERMINATIVE CHROMATOGRAPHIC SEPARATIONS
	EPA SW-846 8270C	SEMIVOLATILE ORGANIC COMPOUNDS BY GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC/MS)
LA-533-410	LA-533-410: ANION ANALYSIS BY ION CHROMATOGRAPHY	
	EPA-600/R-94-111 300	DETERMINATION OF INORGANIC ANIONS BY ION CHROMATOGRAPHY
LA-695-402	LA-695-402: DETERMINATION OF CYANIDE BY MIDIDISTILLATION AND SPECTROPHOTOMETRIC	
	EPA-600/4-79-020 335.2	Cyanide, Total
NWTPH	NWTPH-Diesel and/or Gasoline	
	WDOE NWTPH-Dx/Gx	Total Petroleum Hydrocarbons - Diesel/Gasoline

Note: A complete list of WSCF analytical procedures and referenced regulatory or industry methods is available online at \\ap006\aspdocs\WSCF\Sample Mgmt\ProcedureMethodCrossReference.pdf. This document includes on-line links to full-text versions of the procedures and methods, where available.

w13qlog v1 22-dec-2004 13:43:39

W13q Worklist/Batch/QC Report for Group# WSCF20042230

WL#	S#	Batch	QC#	Tray Type	Sample#	Test
				SAMPLE	W040002325	Percent Solids
				SAMPLE	W040002326	Percent Solids
				SAMPLE	W040002327	Percent Solids
				SAMPLE	W040002328	Percent Solids
				SAMPLE	W040002329	Percent Solids
				SAMPLE	W040002325	pH Soil and Waste Measurement
				SAMPLE	W040002326	pH Soil and Waste Measurement
				SAMPLE	W040002327	pH Soil and Waste Measurement
				SAMPLE	W040002328	pH Soil and Waste Measurement
				SAMPLE	W040002329	pH Soil and Waste Measurement
24160	1	24517	27847	BLANK		Gamma Energy Analysis-grd H2O
24160	2	24517	27847	LCS		Gamma Energy Analysis-grd H2O
24160	3	24517	27847	DUP	W040002325	Gamma Energy Analysis-grd H2O
24160	4	24517	27847	SAMPLE	W040002325	Gamma Energy Analysis-grd H2O
24160	5	24517	27847	SAMPLE	W040002326	Gamma Energy Analysis-grd H2O
24160	6	24517	27847	SAMPLE	W040002327	Gamma Energy Analysis-grd H2O
24160	7	24517	27847	SAMPLE	W040002328	Gamma Energy Analysis-grd H2O
24160	8	24517	27847	SAMPLE	W040002329	Gamma Energy Analysis-grd H2O
			27917	BLANK		Cyanide by Midi/Spectrophotom
			27917	BLNK-PREP		Cyanide by Midi/Spectrophotom
			27917	LCS		Cyanide by Midi/Spectrophotom
			27917	SAMPLE	W040002325	Cyanide by Midi/Spectrophotom
			27917	SAMPLE	W040002326	Cyanide by Midi/Spectrophotom
			27917	SAMPLE	W040002327	Cyanide by Midi/Spectrophotom
			27917	SAMPLE	W040002328	Cyanide by Midi/Spectrophotom
			27917	MS	W040002329	Cyanide by Midi/Spectrophotom
			27917	MSD	W040002329	Cyanide by Midi/Spectrophotom
			27917	SAMPLE	W040002329	Cyanide by Midi/Spectrophotom
			27917	SPK-RPD	W040002329	Cyanide by Midi/Spectrophotom
24272	2	24629	27932	BLANK		Anions by Ion Chromatography
24272	12	24629	27932	BLANK		Anions by Ion Chromatography
24272	3	24629	27932	LCS		Anions by Ion Chromatography
24272	8	24629	27932	SAMPLE	W040002325	Anions by Ion Chromatography
24272	9	24629	27932	SAMPLE	W040002326	Anions by Ion Chromatography
24272	10	24629	27932	SAMPLE	W040002327	Anions by Ion Chromatography
24272	11	24629	27932	SAMPLE	W040002328	Anions by Ion Chromatography
24272	5	24629	27932	DUP	W040002329	Anions by Ion Chromatography
24272	6	24629	27932	MS	W040002329	Anions by Ion Chromatography
24272	7	24629	27932	MSD	W040002329	Anions by Ion Chromatography
24272	4	24629	27932	SAMPLE	W040002329	Anions by Ion Chromatography
			27947	BLANK		WTPH-D TPH Diesel Range (Wa)
			27947	LCS		WTPH-D TPH Diesel Range (Wa)
			27947	SAMPLE	W040002325	WTPH-D TPH Diesel Range (Wa)
			27947	SURR	W040002325	WTPH-D TPH Diesel Range (Wa)
			27947	SAMPLE	W040002326	WTPH-D TPH Diesel Range (Wa)
			27947	SURR	W040002326	WTPH-D TPH Diesel Range (Wa)
			27947	SAMPLE	W040002327	WTPH-D TPH Diesel Range (Wa)
			27947	SURR	W040002327	WTPH-D TPH Diesel Range (Wa)
			27947	SAMPLE	W040002328	WTPH-D TPH Diesel Range (Wa)
			27947	SURR	W040002328	WTPH-D TPH Diesel Range (Wa)

			27947	SAMPLE	W040002329	WTPH-D TPH Diesel Range (Wa)
			27947	SURR	W040002329	WTPH-D TPH Diesel Range (Wa)
			27947	MS	W040002413	WTPH-D TPH Diesel Range (Wa)
			27947	MSD	W040002413	WTPH-D TPH Diesel Range (Wa)
			27947	SPK-RPD	W040002413	WTPH-D TPH Diesel Range (Wa)
24280	1	24637	27953	BLANK		Strontium 89/90
24280	2	24637	27953	LCS		Strontium 89/90
24280	5	24637	27953	SAMPLE	W040002328	Strontium 89/90
24280	6	24637	27953	SAMPLE	W040002329	Strontium 89/90
24280	3	24637	27953	DUP	W040002460	Strontium 89/90
			27988	BLANK		SW-846 8270B Semi-Vols
			27988	LCS		SW-846 8270B Semi-Vols
			27988	SAMPLE	W040002325	SW-846 8270B Semi-Vols
			27988	SURR	W040002325	SW-846 8270B Semi-Vols
			27988	SAMPLE	W040002326	SW-846 8270B Semi-Vols
			27988	SURR	W040002326	SW-846 8270B Semi-Vols
			27988	SAMPLE	W040002327	SW-846 8270B Semi-Vols
			27988	SURR	W040002327	SW-846 8270B Semi-Vols
			27988	SAMPLE	W040002328	SW-846 8270B Semi-Vols
			27988	SURR	W040002328	SW-846 8270B Semi-Vols
			27988	SAMPLE	W040002329	SW-846 8270B Semi-Vols
			27988	SURR	W040002329	SW-846 8270B Semi-Vols
			27988	MS	W040002413	SW-846 8270B Semi-Vols
			27988	MSD	W040002413	SW-846 8270B Semi-Vols
			27988	SPK-RPD	W040002413	SW-846 8270B Semi-Vols
24318	1	24675	27990	BLANK		ICP-2008 MS All possible metal
24318	3	24675	27990	LCS		ICP-2008 MS All possible metal
24318	4	24675	27990	MS	W040002271	ICP-2008 MS All possible metal
24318	5	24675	27990	MSD	W040002271	ICP-2008 MS All possible metal
24318	14	24675	27990	MS	W040002313	ICP-2008 MS All possible metal
24318	15	24675	27990	MSD	W040002313	ICP-2008 MS All possible metal
24318	6	24675	27990	SAMPLE	W040002325	ICP-2008 MS All possible metal
24318	7	24675	27990	SAMPLE	W040002326	ICP-2008 MS All possible metal
24318	8	24675	27990	SAMPLE	W040002327	ICP-2008 MS All possible metal
24318	10	24675	27990	MS	W040002328	ICP-2008 MS All possible metal
24318	11	24675	27990	MSD	W040002328	ICP-2008 MS All possible metal
24318	9	24675	27990	SAMPLE	W040002328	ICP-2008 MS All possible metal
24318	0	24675	27990	SPK-RPD	W040002328	ICP-2008 MS All possible metal
24318	12	24675	27990	SAMPLE	W040002329	ICP-2008 MS All possible metal
24346	2	24704	28022	BLANK		Ammonia (N) by IC
24346	14	24704	28022	BLANK		Ammonia (N) by IC
24346	3	24704	28022	LCS		Ammonia (N) by IC
24346	9	24704	28022	SAMPLE	W040002325	Ammonia (N) by IC
24346	10	24704	28022	SAMPLE	W040002326	Ammonia (N) by IC
24346	11	24704	28022	SAMPLE	W040002327	Ammonia (N) by IC
24346	5	24704	28022	DUP	W040002328	Ammonia (N) by IC
24346	6	24704	28022	MS	W040002328	Ammonia (N) by IC
24346	7	24704	28022	MSD	W040002328	Ammonia (N) by IC
24346	4	24704	28022	SAMPLE	W040002328	Ammonia (N) by IC
24346	8	24704	28022	SAMPLE	W040002329	Ammonia (N) by IC
24330	1	24688	28035	BLANK		Neptunium by AEA
24330	2	24688	28035	LCS		Neptunium by AEA
24330	3	24688	28035	DUP	W040002328	Neptunium by AEA
24330	4	24688	28035	SAMPLE	W040002328	Neptunium by AEA
24330	5	24688	28035	SAMPLE	W040002329	Neptunium by AEA

24428	1	24786	28117	BLANK		Neptunium by AEA
24428	2	24786	28117	LCS		Neptunium by AEA
24428	3	24786	28117	DUP	W040002325	Neptunium by AEA
24428	4	24786	28117	SAMPLE	W040002325	Neptunium by AEA
24428	5	24786	28117	SAMPLE	W040002326	Neptunium by AEA
24428	6	24786	28117	SAMPLE	W040002327	Neptunium by AEA
24349	1	24707	28137	BLANK		Strontium 89/90
24349	2	24707	28137	LCS		Strontium 89/90
24349	3	24707	28137	DUP	W040002325	Strontium 89/90
24349	4	24707	28137	SAMPLE	W040002325	Strontium 89/90
24349	5	24707	28137	SAMPLE	W040002326	Strontium 89/90
24349	6	24707	28137	SAMPLE	W040002327	Strontium 89/90
24473	1	24830	28147	BLANK		Americium by AEA
24473	2	24830	28147	LCS		Americium by AEA
24473	3	24830	28147	DUP	W040002325	Americium by AEA
24473	4	24830	28147	SAMPLE	W040002325	Americium by AEA
24473	5	24830	28147	SAMPLE	W040002326	Americium by AEA
24473	6	24830	28147	SAMPLE	W040002327	Americium by AEA
24474	1	24829	28148	BLANK		Plutonium Isotopics by AEA
24474	2	24829	28148	LCS		Plutonium Isotopics by AEA
24474	3	24829	28148	DUP	W040002325	Plutonium Isotopics by AEA
24474	4	24829	28148	SAMPLE	W040002325	Plutonium Isotopics by AEA
24474	5	24829	28148	SAMPLE	W040002326	Plutonium Isotopics by AEA
24474	6	24829	28148	SAMPLE	W040002327	Plutonium Isotopics by AEA
24471	1	24832	28149	BLANK		Americium by AEA
24471	2	24832	28149	LCS		Americium by AEA
24471	3	24832	28149	DUP	W040002328	Americium by AEA
24471	4	24832	28149	SAMPLE	W040002328	Americium by AEA
24471	5	24832	28149	SAMPLE	W040002329	Americium by AEA
24517	1	24875	28150	BLANK		ICP Metals Analysis, Grd H20 P
24517	2	24875	28150	LCS		ICP Metals Analysis, Grd H20 P
24517	7	24875	28150	SAMPLE	W040002325	ICP Metals Analysis, Grd H20 P
24517	4	24875	28150	MS	W040002460	ICP Metals Analysis, Grd H20 P
24517	5	24875	28150	MSD	W040002460	ICP Metals Analysis, Grd H20 P
24517	0	24875	28150	SPK-RPD	W040002460	ICP Metals Analysis, Grd H20 P
24472	1	24831	28151	BLANK		Plutonium Isotopics by AEA
24472	2	24831	28151	LCS		Plutonium Isotopics by AEA
24472	3	24831	28151	DUP	W040002328	Plutonium Isotopics by AEA
24472	4	24831	28151	SAMPLE	W040002328	Plutonium Isotopics by AEA
24472	5	24831	28151	SAMPLE	W040002329	Plutonium Isotopics by AEA
24470	1	24833	28153	BLANK		Uranium Isotopics by AEA
24470	2	24833	28153	LCS		Uranium Isotopics by AEA
24470	3	24833	28153	DUP	W040002325	Uranium Isotopics by AEA
24470	4	24833	28153	SAMPLE	W040002325	Uranium Isotopics by AEA
24470	5	24833	28153	SAMPLE	W040002326	Uranium Isotopics by AEA
24470	6	24833	28153	SAMPLE	W040002327	Uranium Isotopics by AEA
24469	1	24834	28160	BLANK		Uranium Isotopics by AEA
24469	2	24834	28160	LCS		Uranium Isotopics by AEA
24469	3	24834	28160	DUP	W040002328	Uranium Isotopics by AEA
24469	4	24834	28160	SAMPLE	W040002328	Uranium Isotopics by AEA
24469	5	24834	28160	SAMPLE	W040002329	Uranium Isotopics by AEA

24527	1	24886	28171	BLANK		NWTPH-GX TPH Gasoline Range
24527	2	24886	28171	LCS		NWTPH-GX TPH Gasoline Range
24527	4	24886	28171	DUP	W040002328	NWTPH-GX TPH Gasoline Range
24527	5	24886	28171	MS	W040002328	NWTPH-GX TPH Gasoline Range
24527	6	24886	28171	MSD	W040002328	NWTPH-GX TPH Gasoline Range
24527	3	24886	28171	SAMPLE	W040002328	NWTPH-GX TPH Gasoline Range
24527	6	24886	28171	SPK-RPD	W040002328	NWTPH-GX TPH Gasoline Range
24527	7	24886	28171	SAMPLE	W040002329	NWTPH-GX TPH Gasoline Range
			28173	BLANK		VOA Ground Water Protection
			28173	LCS		VOA Ground Water Protection
			28173	MS	W040002328	VOA Ground Water Protection
			28173	MSD	W040002328	VOA Ground Water Protection
			28173	SAMPLE	W040002328	VOA Ground Water Protection
			28173	SPK-RPD	W040002328	VOA Ground Water Protection
			28173	SURR	W040002328	VOA Ground Water Protection
			28173	SAMPLE	W040002329	VOA Ground Water Protection
			28173	SURR	W040002329	VOA Ground Water Protection

M8141-SLF-05-001

ATTACHMENT 3

SAMPLE RECEIPT INFORMATION

Consisting of 11 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

File
12/22/04

ACKNOWLEDGMENT OF SAMPLES RECEIVED

Groundwater Remediation Program
Richland, WA 99354
Attn: Steve Trent

Customer Code: GPP
PO#: 119153/ES10
Group#: 20042230
Project#: F03-006
Proj Mgr: STEVE TRENT A0-21
Phone: 373-5869

The following samples were received from you on 11/23/04. They have been scheduled for the tests listed beside each sample. If this information is incorrect, please contact your service representative. Thank you for using Waste Sampling and Characterization Facility.

Sample#	Sample Id	Tests Scheduled	Matrix	Sample Date
W040002325	B1B573	GRP	TRENT Solid, or handle as if solid	11/15/04
		@2008 @AEA-30 @AEA-31 @AEA-32 @AEA-33		
		@GEA-GPP @GPP6010 @IC-30 @SR89_90 @SVOCGPP @TPHD		
		@TPHG-WA @VOA-GPP CN-02 NH4-IC PERSOLID PH-30		
W040002326	B1B574	GRP	TRENT Solid, or handle as if solid	11/16/04
		@2008 @AEA-30 @AEA-31 @AEA-32 @AEA-33		
		@GEA-GPP @IC-30 @SR89_90 @SVOCGPP @TPHD-WA @TPHG		
		@VOA-GPP CN-02 NH4-IC PERSOLID PH-30		
W040002327	B1B575	GRP	TRENT Solid, or handle as if solid	11/16/04
		@2008 @AEA-30 @AEA-31 @AEA-32 @AEA-33		
		@GEA-GPP @IC-30 @SR89_90 @SVOCGPP @TPHD-WA @TPHG		
		@VOA-GPP CN-02 NH4-IC PERSOLID PH-30		
W040002328	B1B576	GRP	TRENT Solid, or handle as if solid	11/18/04
		@2008 @AEA-30 @AEA-31 @AEA-32 @AEA-33		
		@GEA-GPP @IC-30 @SR89_90 @SVOCGPP @TPHD-WA @TPHG		
		@VOA-GPP CN-02 NH4-IC PERSOLID PH-30		
W040002329	B1B577	GRP	TRENT Solid, or handle as if solid	11/22/04
		@2008 @AEA-30 @AEA-31 @AEA-32 @AEA-33		
		@GEA-GPP @IC-30 @SR89_90 @SVOCGPP @TPHD-WA @TPHG		
		@VOA-GPP CN-02 NH4-IC PERSOLID PH-30		

Test Acronym Description

Test Acronym	Description
@2008	ICP-2008 MS All possible metal
@AEA-30	Plutonium Isotopics by AEA
@AEA-31	Americium by AEA
@AEA-32	Uranium Isotopics by AEA
@AEA-33	Neptunium by AEA
@GEA-GPP	Gamma Energy Analysis-grd H2O
@GPP6010	ICP Metals Analysis, Grd H20 P
@IC-30	Anions by Ion Chromatography
@SR89_90	Strontium 89/90

Groundwater Remediation Program

Richland, WA 99354
Attn: Steve Trent

Customer Code: GPP
PO#: 119153/ES10
Group#: 20042230
Project#: F03-006
Proj Mgr: STEVE TRENT A0-21
Phone: 373-5869

Test Acronym Description

Test Acronym	Description
@SVOCGPP	SW-846 8270B Semi-Vols
@TPHD-WA	WTPH-D TPH Diesel Range (Wa)
@TPHG-WA	NWTPH-GX TPH Gasoline Range
@VOA-GPP	VOA Ground Water Protection
CN-02	Cyanide by Midi/Spectrophotom
NH4-IC	Ammonia (N) by IC
PERSOLID	Percent Solids
PH-30	pH Soil and Waste Measurement

12/22/04

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F03-006-266

COLLECTOR: Pope/Pfister/Wiberg/Tyra / HUGHES	COMPANY CONTACT: TRENT, SJ	TELEPHONE NO.: 373-5869	PROJECT COORDINATOR: TRENT, SJ
PRICE CODE: 8N	DATA TURNAROUND: 45 Days / 45 Days	AIR QUALITY: ☐	
SAMPLING LOCATION: 200-PW2/216-S-7, 24.0-26.5 ft	PROJECT DESIGNATION: 200-PW-2/200-PW-4 OU - Borehole Soil Sampling	SAF NO.: F03-006	
ICE CHEST NO.: GRP-04-005	FIELD LOGBOOK NO.:	COA: 119153ES10	METHOD OF SHIPMENT: Government Vehicle
SHIPPED TO: Waste Sampling & Characterization	OFFSITE PROPERTY NO.: N/A		BILL OF LADING/AIR BILL NO.: N/A

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

POSSIBLE SAMPLE HAZARDS/ REMARKS

SPECIAL HANDLING AND/OR STORAGE
RADIOACTIVE TIE TO: B1B586
20042230

PRESERVATION			Cool 4C	Cool 4C	Cool 4C	Cool 4C	Cool 4C	Cool 4C			
TYPE OF CONTAINER			Square Bottle - Poly	aGs*	aG	aGs*	aG	aG			
NO. OF CONTAINER(S)			1	3	1	3	1	1			
VOLUME			500mL	40mL	60mL	40mL	120mL	120mL			
SAMPLE ANALYSIS			SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS	SEE ITEM (3) IN SPECIAL INSTRUCTIONS	TPH-Gasoline Range - WTPH-G;	SEE ITEM (4) IN SPECIAL INSTRUCTIONS	SEE ITEM (5) IN SPECIAL INSTRUCTIONS			
			GOA								
SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME								
B1B573 [illegible]	SOIL	11-15-04	0930	X	X	X	X	X	X		

CHAIN OF POSSESSION / SIGN/ PRINT NAMES

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Kevin D Hughes	11-15-04 1300	S-7 Site fridge	11-15-04 1300
S-7 Site fridge	11-23-04 / 13:30	Kevin D Hughes	11-23-04 13:30
Kevin D Hughes	11-23-04 14:10	[illegible]	11/23/04 1410

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION: RECEIVED BY | TITLE | DATE/TIME

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

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F03-006-266	PAGE 2 OF 2
COLLECTOR Pope/Pfister/Wiberg/Tyra	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** TRENT, SJ	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION 200-PW2/216-S-7, 24.0-26.5 ft	**PROJECT DESIGNATION** 200-PW-2/200-PW-4 OU - Borehole Soil Sampling		**SAF NO.** F03-006	**AIR QUALITY**	**45 Days**
ICE CHEST NO. GRP-04-005	**FIELD LOGBOOK NO.**	**COA** 119153ES10	**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 laboratory is to report both kerosene and diesel range compounds from WTPH-D analysis. FH acknowledges that the analytical holding times (less than 14 days) may not be met by the labs due to the radiological characteristics of the samples.

(1)Gamma Spectroscopy {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} Gamma Spec - Add-on {Antimony-125, Cesium-134, Radium-226, Radium-228, Tin-126} Isotopic Plutonium; Americium-241; Isotopic Uranium; Neptunium-237; Strontium-89,90 -- Total Sr; MM 9-22-04 → Exp. to GEA - 24 hour turn around
(2)VOA - 8260A (TCL); VOA - 8260A (Add-On) {1-Butanol, ~~2-Pentanone~~, Benzyl alcohol, ~~n-Butylbenzene~~} MM 9-22-04
(3)Semi-VOA - 8270A (TCL); Semi-VOA -- 8270A (Add-On) ~~{2-Butoxyethanol,~~ Tributyl phosphate} TPH-Diesel Range - WTPH-D;
(4)ICP/MS - 200.8 (TAL) {Antimony, Barium, Cadmium, Chromium, Copper, Nickel, Silver} ICP/MS - 200.8 (Add-on) (Arsenic, Beryllium, Lead, Selenium, Uranium} ICP/MS - 200.8 (Hg) {Mercury} ICP Metals - 6010A (Add-on) (Bismuth, Boron}
(5)IC Anions - 300.0 {Chloride, Fluoride, Nitrogen in Nitrate, Nitrogen in Nitrite, Phosphate, Sulfate} Cyanide (Total) - 335.2; Cations (IC) - 300.7 {Nitrogen in ammonium} pH (Soil) - 9045;

A-6003-618(03/03)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F03-006-267	PAGE 1 OF 2

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
Pope/Pfister/Wiberg/Tyra	TRENT, SJ	373-5869	TRENT, SJ			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	**45 Days / 45 Days**
200-PW2/216-S-7, 34-36.5 ft	200-PW-2/200-PW-4 OU - Borehole Soil Sampling		F03-006			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**COA**	**METHOD OF SHIPMENT**			
GRP-04-005		119153ES10	Government Vehicle			
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**			
Waste Sampling & Characterization	N/A		N/A			

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

POSSIBLE SAMPLE HAZARDS/ REMARKS

SPECIAL HANDLING AND/OR STORAGE
RADIOACTIVE TIE TO: B1B587

PRESERVATION	Cool 4C	Cool 4C	Cool 4C	Cool 4C	Cool 4C	Cool 4C				
TYPE OF CONTAINER	Square Bottle - Poly	aGs*	aG	aGs*	aG	aG				
NO. OF CONTAINER(S)	1	3	1	3	1	1				
VOLUME	500mL	40mL	60mL	40mL	120mL	120mL				
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS 6EA	SEE ITEM (2) IN SPECIAL INSTRUCTIONS	SEE ITEM (3) IN SPECIAL INSTRUCTIONS	TPH-Gasoline Range - WTPH-G;	SEE ITEM (4) IN SPECIAL INSTRUCTIONS	SEE ITEM (5) IN SPECIAL INSTRUCTIONS				

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME										
B1B574 WCH-CU-324	SOIL	11-16-04	13:35	—	—	—	—	—	—				
B1B575 2327	SOIL	11-16-04	13:35	—	—	—	—	—	—				

CHAIN OF POSSESSION		SIGN/ PRINT NAMES	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Kevin D Hughes [signature]	11-16-04 1500	S-7 Site fridge	11-16-04 1500
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
S-7 Site fridge	11-23-04/13:30	Kevin Hughes [signature]	11-23-04 8:30
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Kevin D Hughes [signature]	11-23-04 14:10	[signature]	11/23/04 1410
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

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F03-006-267	PAGE 2 OF 2
COLLECTOR Pope/Pfister/Wiberg/Tyra	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** TRENT, SJ	**PRICE CODE** 8N **AIR QUALITY** ☐	**DATA TURNAROUND** **45 Days**
SAMPLING LOCATION 200-PW2/216-S-7, 34-36.5 ft	**PROJECT DESIGNATION** 200-PW-2/200-PW-4 OU - Borehole Soil Sampling		**SAF NO.** F03-006		
ICE CHEST NO. GRP-04-005	**FIELD LOGBOOK NO.**	**COA** 119153ES10	**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 laboratory is to report both kerosene and diesel range compounds from WTPH-D analysis. FH acknowledges that the analytical holding times (less than 14 days) may not be met by the labs due to the radiological characteristics of the samples.

(1)Gamma Spectroscopy {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} Gamma Spec - Add-on {~~Antimony-125, Cesium-134~~ TMJ 9-22-04, Radium-226, Radium-228, ~~Tin-126~~ TMJ 9-22-04} Isotopic Plutonium; Americium-241; Isotopic Uranium; Neptunium-237; Strontium-89,90 -- Total Sr; Expedite GEA - 24 hour turn around
(2)VOA - 8260A (TCL); VOA - 8260A (~~Add-On) (1-Butanol, 2-Pentanone, Benzyl alcohol, n-Butylbenzene}~~ TMJ 9-22-04
(3)~~Semi-VOA - 8270A (TCL), Semi-VOA - 8270A (Add-On) (2-Butoxyethanol,~~ Tributyl phosphate} TPH-Diesel Range - WTPH-D;
(4)ICP/MS - 200.8 (TAL) {Antimony, Barium, Cadmium, Chromium, Copper, Nickel, Silver} ICP/MS - 200.8 (Add-on) {Arsenic, Beryllium, Lead, Selenium, Uranium} ICP/MS - 200.8 (Hg) {Mercury} ICP Metals - 6010A (Add-on) {~~Bismuth, Boron}~~ TMJ 9-22-04 TMJ 9-22-04
(5)IC Anions - 300.0 {Chloride, Fluoride, Nitrogen in Nitrate, Nitrogen in Nitrite, Phosphate, Sulfate} Cyanide (Total) - 335.2; Cations (IC) - 300.7 {Nitrogen in ammonium} pH (Soil) - 9045;

A-6003-618(03/03)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F03-006-268	PAGE 1 OF 2

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 8N	DATA TURNAROUND
Pope/Pflister/Wiberg/Tyra	TRENT, SJ	373-5869	TRENT, SJ		
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY** ☐	45 Days / 45 Days
200-PW2/216-S-7, 44-46.5 ft	200-PW-2/200-PW-4 OU - Borehole Soil Sampling		F03-006		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**COA**	**METHOD OF SHIPMENT**		
6RP-04-005	HNF-N-336 1	119153ES10	Government Vehicle		
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**		
Waste Sampling & Characterization	N/A		N/A		

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

POSSIBLE SAMPLE HAZARDS/ REMARKS

SPECIAL HANDLING AND/OR STORAGE
RADIOACTIVE TIE TO: B1B588

PRESERVATION	Cool 4C	Cool 4C	Cool 4C	Cool 4C	Cool 4C	Cool 4C
TYPE OF CONTAINER	Square Bottle - Poly	aGs*	aG	aGs*	aG	aG
NO. OF CONTAINER(S)	1	3	1	3	1	1
VOLUME	500mL	40mL	60mL	40mL	120mL	120mL
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS GEA	SEE ITEM (2) IN SPECIAL INSTRUCTIONS	SEE ITEM (3) IN SPECIAL INSTRUCTIONS	TPH-Gasoline Range - WTPH-G;	SEE ITEM (4) IN SPECIAL INSTRUCTIONS	SEE ITEM (5) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME						
B1B576 W0402C2328	SOIL	11-18-04	0815	✓	—	—	✓	—	—

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Kevin D. Hughes	11-18-04/11:30	S-7 site fridge	11-18-04/11:30
S7 Site Fridge	11-23-04/13:30	Kevin Hughes	11-23-04/13:30
Kevin D Hughes	11-23-04 14:10	[illegible]	11/23/04 1410

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

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

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F03-006-268	PAGE 2 OF 2
COLLECTOR Pope/Pfister/Wiberg/Tyra	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** TRENT, SJ	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION 200-PW2/216-S-7, 44-46.5 ft	**PROJECT DESIGNATION** 200-PW-2/200-PW-4 OU - Borehole Soil Sampling		**SAF NO.** F03-006	**AIR QUALITY**	**45 Days**
ICE CHEST NO. GRP-04-005	**FIELD LOGBOOK NO.** HNF-N-336 1	**COA** 119153ES10	**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 laboratory is to report both kerosene and diesel range compounds from WTPH-D analysis. FH acknowledges that the analytical holding times (less than 14 days) may not be met by the labs due to the radiological characteristics of the samples.

(1)Gamma Spectroscopy {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} Gamma Spec - Add-on {~~Antimony-125, Cesium-134,~~ TMJ 9-22-04 Radium-226, Radium-228, ~~Tin-126}~~ TMJ 9-22-04 Isotopic Plutonium; Americium-241; Isotopic Uranium; Neptunium-237; Strontium-89,90 -- Total Sr; Expedite GEA - 24 hour Turnaround
(2)VOA - 8260A (TCL); VOA - 8260A (~~Add-On) {1-Butanol, 2-Pentanone, Benzyl alcohol, n-Butylbenzene}~~ TMJ 9-22-04
(3)~~Semi-VOA - 8270A (TCL), Semi-VOA - 8270A (Add-On) {2-Butoxyethanol,~~ Tributyl phosphate} TPH-Diesel Range - WTPH-D;
(4)ICP/MS - 200.8 (TAL) {Antimony, Barium, Cadmium, Chromium, Copper, Nickel, Silver} ICP/MS - 200.8 (Add-on) {Arsenic, Beryllium, Lead, Selenium, Uranium} ICP/MS - 200.8 (Hg) {Mercury} ICP Metals - 6010A (Add-on) ~~{Bismuth, Boron}~~ TMJ 9-22-04 TMJ 9-22-04
(5)IC Anions - 300.0 {Chloride, Fluoride, Nitrogen in Nitrate, Nitrogen in Nitrite, Phosphate, Sulfate} Cyanide (Total) - 335.2; Cations (IC) - 300.7 {Nitrogen in ammonium} pH (Soil) - 9045;

A-6003-618(03/03)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F03-006-269	PAGE 1 OF 2
COLLECTOR Pope/Pfister/Wiberg/Tyra	COMPANY CONTACT TRENT, SJ	TELEPHONE NO. 373-5869	PROJECT COORDINATOR TRENT, SJ	PRICE CODE 8N	DATA TURNAROUND
SAMPLING LOCATION 200-PW2/216-S-7, 54-56.5 ft	PROJECT DESIGNATION 200-PW-2/200-PW-4 OU - Borehole Soil Sampling		SAF NO. F03-006	AIR QUALITY ☐	45 Days / 45 Days
ICE CHEST NO. GRP-04-005	FIELD LOGBOOK NO.	COA 119153ES10	METHOD OF SHIPMENT Government Vehicle		
SHIPPED TO Waste Sampling & Characterization	OFFSITE PROPERTY NO. N/A		BILL OF LADING/AIR BILL NO. N/A		

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

POSSIBLE SAMPLE HAZARDS/ REMARKS

SPECIAL HANDLING AND/OR STORAGE
RADIOACTIVE TIE TO: B1B589

PRESERVATION			Cool 4C	Cool 4C	Cool 4C	Cool 4C	Cool 4C	Cool 4C			
TYPE OF CONTAINER			aGs*	aG	aGs*	P	aG	aG			
NO. OF CONTAINER(S)			3	1	3	1	1	1			
VOLUME			40mL	120mL	40mL	500mL	250mL	250mL			
SAMPLE ANALYSIS			SEE ITEM (1) IN SPECIAL INSTRUCTIONS	SEE ITEM (2) IN SPECIAL INSTRUCTIONS	TPH-Gasoline Range - WTPH-G;	SEE ITEM (3) IN SPECIAL INSTRUCTIONS GEA GEA 11-23-04	SEE ITEM (4) IN SPECIAL INSTRUCTIONS	SEE ITEM (5) IN SPECIAL INSTRUCTIONS			
SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME								
B1B577 W04-003-2329	SOIL	11/22/04	1330	X	X	X	X	X	X		

CHAIN OF POSSESSION / SIGN/ PRINT NAMES

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Kevin D Hughes	11-22-04 14:30	S-7 Site fridge 11-22-04	14:30
S-7 Site fridge	11-23-04 13:30	Kevin D Hughes	11-23-04 13:30
Kevin D Hughes	11-23-04 14:10	K Beebe	11/23/04 1410

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

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

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F03-006-269	PAGE 2 OF 2
COLLECTOR Pope/Pfister/Wiberg/Tyra	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** TRENT, SJ	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION 200-PW2/216-S-7, 54-56.5 ft	**PROJECT DESIGNATION** 200-PW-2/200-PW-4 OU - Borehole Soil Sampling		**SAF NO.** F03-006	**AIR QUALITY** ☐	**45 Days**
ICE CHEST NO. GRR04-005	**FIELD LOGBOOK NO.**	**COA** 119153ES10	**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 laboratory is to report both kerosene and diesel range compounds from WTPH-D analysis. FH acknowledges that the analytical holding times (less than 14 days) may not be met by the labs due to the radiological characteristics of the samples.

(1)VOA - 8260A (TCL); ~~VOA - 8260A (Add-On) (1-Butanol, 2-Pentanone, Benzyl alcohol, n-Butylbenzene)~~ TMJ 9-22-04
(2)~~Semi-VOA - 8270A (TCL); Semi-VOA - 8270A (Add-On) (2-Butoxyethanol,~~ Tributyl phosphate} TPH-Diesel Range - WTPH-D; TMJ 9-22-04 TMJ 9-22-04
(3)Gamma Spectroscopy {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155} Gamma Spec - Add-on {~~Antimony-125, Cesium-134,~~ Radium-226, Radium-228, ~~Tin-120~~} Isotopic Plutonium; Americium-241; Isotopic Uranium; Neptunium-237; Strontium-89,90 -- Total Sr; Erpiolite GEA copper → 24 hour turnaround
(4)ICP/MS - 200.8 (TAL) {Antimony, Barium, Cadmium, Chromium, Nickel, Silver} ICP/MS - 200.8 (Add-on) {Arsenic, Beryllium, Lead, Selenium, Uranium} ICP/MS - 200.8 (Hg) {Mercury} ~~ICP Metals - 6010A (Add-on) (Bismuth, Boron)~~ TMJ 9.22-04
(5)IC Anions - 300.0 {Chloride, Fluoride, Nitrogen in Nitrate, Nitrogen in Nitrite, Phosphate, Sulfate} Cyanide (Total) - 335.2; Cations (IC) - 300.7 {Nitrogen in ammonium} pH (Soil) - 9045;

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