Fluor Hanford, Inc.
Post Office Box 1000
Richland, Washington 99352

0052016

FLUOR

Memorandum

W1141-03-SLF-074

To:	S. J. Trent	Date:	December 22, 2003
From:	S. L. Fitzgerald, Manager WSCF Analytical Services	Telephone:	373-7495

	W/Attachments		W/O Attachments	
cc:	T. F. Dale	S3-28	M. Neely	S3-30
	S. L. Fitzgerald	S3-30	D. Hart	S3-30
	H. K. Meznarich	S3-30	L. C. Swanson	E6-35
	J. E. Trechter	S3-30	File/LB	

Subject: REQUESTED ADDITIONAL RESULTS FOR 200-PW-2/200-PW-4 OU- BOREHOLE SOIL SAMPLING- SAMPLE DELIVERY GROUP WSCF20031045- SAF NUMBER F03-006

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

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

This letter contains a narrative (Attachment 1) for the sample delivery group (WSCF20031045), the analytical results (Attachment 2) and the sample receipt information (Attachment 3).

slf/ddw

Attachments 3

RECEIVED
JUL 07 2004
EDMC

DEC 2003
RECEIVED

W1141-03-SLF-074

ATTACHMENT 1

NARRATIVE

Consisting of 3 pages
Cover page not included

Sample Delivery Group	**WSCF20031045**
Sample Matrix	**Soil**
Sample Visual	**Brown**
SAF Number	**F03-006**
Data Deliverable	**Summary Report**

Introduction

Four (4) soil samples (B173V2, B173V3, B173V4, and B173V5) from the GPP were received at the WSCF Laboratory on August 4 and 11, 2003. The samples were analyzed for those analytes indicated on the attached copy of the chain of custody (COC) form in accordance with the *Groundwater Protection Program- Letter of Instruction*, referenced in the cover letter. On December 15, 2003 GPP requested two additional ICP-MS metals (Cadmium and Selenium), not identified on the COC, be added to the report. The revised report now includes this request.

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

- PCB's by EPA SW-846 Method 8082. Analytical work was performed with no deviations to the approved method.
- ICP-MS Metals by EPA Method 200.8 and ICP-AES Metals by EPA SW-846 Method 6010A. Analytical work was performed with no deviations to the approved method.
- Semi-VOA's by EPA SW-846 Method 8270B. Analytical work was performed with no deviations to the approved method.
- Alcohols and Glycols by EPA SW-846 Method 8015. Analytical work was performed with a deviation to the approved method, comments below.
- WTPH-D by WDOE Method NWTPH-Dx. Analytical work was performed with no deviations to the approved method.
- WTPH-G by WDOE Method NWTPH-Gx. Analytical work was performed with a deviation to the approved method, see comments below.

- IC Anions and Ammonium by EPA SW-846 Method 300.0 and 300.7. Analytical work was performed with no deviations to the approved method for Ammonium, but a deviation was required for the Anions (see comments below).

- The pH by EPA Method 150.1. 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. Percent Solids were not completed on one sample because of radiological conditions, see details in the comment section.

- Cyanide by EPA SW-846 Method 9010. Analytical work was performed with no deviations to the approved method.

- All RadChem analyses (AEA's, GEA) were run by internal WDOE accredited WSCF procedures. Analytical work was performed with no deviations to the approved method.

Comments

PCB's – The hold time(s) for this analysis was met. A Laboratory Control Sample, Matrix Spike and Matrix Spiked Duplicate were analyzed with each delivery group per the GPP Letter of Instruction. See page(s) 2-34 and 2-35 for QC details.

ICP-AES and ICP-MS Metals – The hold time(s) for this analysis was met. A Laboratory Control Sample, Matrix Spike and Matrix Spiked Duplicate were analyzed with each delivery group per the GPP Letter of Instruction. See page(s) 2-49, 2-52, and 2-53 for QC details.

Semi-VOA's – The hold time(s) for this analysis was met. A Laboratory Control Sample, Matrix Spike and Matrix Spiked Duplicate were analyzed with each delivery group per the GPP Letter of Instruction. See page(s) 2-40, 2-41, 2-42, 2-43, 2-44 and 2-45 for QC details. Compounds listed on the tentatively identified peak report with an "N" qualifier have been identified with the program used to interpret the raw data.

Alcohols and Glycols – The hold time(s) for this analysis was not met. A Laboratory Control Sample, Matrix Spike and Matrix Spiked Duplicate were analyzed with each delivery group per the GPP Letter of Instruction. See page(s) 2-51 for QC details. Analytical Note: It was discovered after the final report was issued, the hold time for this analysis was not met. The date provided to analyst to complete the analysis within the hold time requirement was in error.

WTPH-D – The hold time(s) for this analysis was met. A Laboratory Control Sample, Matrix Spike and Matrix Spiked Duplicate were analyzed with each delivery group per the GPP Letter of Instruction. See page(s) 2-33 for details.

WTPH-G – The hold time(s) for this analysis was not met. A Laboratory Control Sample, Matrix Spike and Matrix Spiked Duplicate were analyzed with each delivery group per the GPP Letter of Instruction. See page(s) 2-50 for details. Analytical Note: It was discovered after the final report was issued, the hold time for this analysis was not met. The date provided to analyst to complete the analysis within the hold time requirement was in error.

IC Anions – The client requested hold time(s) for this analysis was met. A Laboratory Control Sample, Matrix Spike and Matrix Spiked Duplicate were analyzed with each delivery group per the GPP Letter of Instruction. See page(s) 2-37 and 2-38 for QC details.

NH4 – The hold time(s) for this analysis was met. A Laboratory Control Sample, Matrix Spike and Matrix Spiked Duplicate were analyzed with each delivery group per the GPP Letter of Instruction. See page(s) 2-39 for QC details.

Percent Solids – PCB's, Semi-VOA's, Alcohols and Glycols, WTPH-G and WTPH-D analytical results were corrected for percent solids except for sample B173V2. All other analytical results, including the B173V2 organics, were reported for the sample as received.

CN – The hold time(s) for this analysis was met. A Laboratory Control Sample, Matrix Spike and Matrix Spiked Duplicate were analyzed with each delivery group per the GPP Letter of Instruction. See page(s) 2-36 for QC details.

RadChem – There are no hold times associated with these WDOE accredited methods. Except for GEA, a Laboratory Control Sample and Duplicate were analyzed with each delivery group per the GPP Letter of Instruction. See page(s) 2-46, 2-47 and 2-48 for QC details.

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.

Troy Dale
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

W1141-03-SLF-074

ATTACHMENT 2

ANALYTICAL RESULTS

Consisting of 53 pages
Cover page not included

WSCF
ANALYTICAL RESULTS REPORT

for

Ground Water Protection Program

Richland, WA 99352

Attention: Steve Trent

Analytical: _____

Client Services: _____ for J. Smith

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#: F03-006
Report#: WSCF20031045
Report Date: 22-dec-2003
Report WGPP/ver. 1
Ground Water Protection Program

WSCF
ANALYTICAL RESULTS REPORT

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

Group #: WSCF20031045

Sample #	Client ID			CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W030000670	B173V2	GPP	TRENT	57-12-5	Cyanide	SOIL	LA-695-402	U	< 0.200	mg/kg	1.00	0.20	08/11/03	07/30/03	08/04/03
W030000670	B173V2	GPP	TRENT	NH4-N	Nitrogen in ammonium	SOIL	LA-503-401	B	2.80	mg/kg	1.91e+002	0.76	08/13/03	07/30/03	08/04/03
W030000670	B173V2	GPP	TRENT	PH	pH Measurement	SOIL	LA-212-411		8.91	pH	1.00	0.010	08/14/03	07/30/03	08/04/03
W030000670	B173V2	GPP	TRENT	14596-10-2	Americium-241	SOIL	LA-508-471	U	1.20	pCi/g	1.00	13	08/21/03	07/30/03	08/04/03
W030000670	B173V2	GPP	TRENT	E,T,C	Am-241 by AEA Total Cntg Error	SOIL	LA-508-471		+- 7.2	pCi/g	1.00	0.0	08/21/03	07/30/03	08/04/03
W030000670	B173V2	GPP	TRENT	16984-48-8	Fluoride	SOIL	LA-533-410	U	< 1.34	mg/kg	1.91e+002	1.3	08/12/03	07/30/03	08/04/03
W030000670	B173V2	GPP	TRENT	16887-00-6	Chloride	SOIL	LA-533-410	B	6.78	mg/kg	1.91e+002	2.7	08/12/03	07/30/03	08/04/03
W030000670	B173V2	GPP	TRENT	NO2-N	Nitrogen in Nitrite	SOIL	LA-533-410	U	< 1.72	mg/kg	1.91e+002	1.7	08/12/03	07/30/03	08/04/03
W030000670	B173V2	GPP	TRENT	NO3-N	Nitrogen in Nitrate	SOIL	LA-533-410		121	mg/kg	1.91e+002	0.96	08/12/03	07/30/03	08/04/03
W030000670	B173V2	GPP	TRENT	14265-44-2	Phosphate	SOIL	LA-533-410	U	< 2.48	mg/kg	1.91e+002	2.5	08/12/03	07/30/03	08/04/03
W030000670	B173V2	GPP	TRENT	14808-79-8	Sulfate	SOIL	LA-533-410	B	8.98	mg/kg	1.91e+002	4.6	08/12/03	07/30/03	08/04/03
W030000670	B173V2	GPP	TRENT	14596-10-2	Americium-241	SOIL	LA-508-462	U	1.23	pCi/g	1.00	6.5	08/11/03	07/30/03	08/04/03
W030000670	B173V2	GPP	TRENT	E,T,C	Am-241 Rel Count Error (GEA)	SOIL	LA-508-462		+- 4.1	pCi/g	1.00	0.0	08/11/03	07/30/03	08/04/03
W030000670	B173V2	GPP	TRENT	14234-35-6	Antimony-125	SOIL	LA-508-462	U	0.583	pCi/g	1.00	1.3	08/11/03	07/30/03	08/04/03
W030000670	B173V2	GPP	TRENT	E,T,C	Sb-125 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.78	pCi/g	1.00	0.0	08/11/03	07/30/03	08/04/03
W030000670	B173V2	GPP	TRENT	14762-78-8	Cerium-144	SOIL	LA-508-462	U	1.09	pCi/g	1.00	6.9	08/11/03	07/30/03	08/04/03
W030000670	B173V2	GPP	TRENT	E,T,C	Ce-144 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 4.1	pCi/g	1.00	0.0	08/11/03	07/30/03	08/04/03
W030000670	B173V2	GPP	TRENT	10198-40-0	Cobalt-60	SOIL	LA-508-462		1.20	pCi/g	1.00	0.16	08/11/03	07/30/03	08/04/03
W030000670	B173V2	GPP	TRENT	E,T,C	Co-60 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.23	pCi/g	1.00	0.0	08/11/03	07/30/03	08/04/03
W030000670	B173V2	GPP	TRENT	13967-70-9	Cesium-134	SOIL	LA-508-462	U	0.0627	pCi/g	1.00	0.31	08/11/03	07/30/03	08/04/03
W030000670	B173V2	GPP	TRENT	E,T,C	Cs-134 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.18	pCi/g	1.00	0.0	08/11/03	07/30/03	08/04/03
W030000670	B173V2	GPP	TRENT	10045-97-3	Cesium-137	SOIL	LA-508-462		5.62	pCi/g	1.00	0.36	08/11/03	07/30/03	08/04/03
W030000670	B173V2	GPP	TRENT	E,T,C	Cs-137 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.85	pCi/g	1.00	0.0	08/11/03	07/30/03	08/04/03
W030000670	B173V2	GPP	TRENT	14683-23-9	Europium-152	SOIL	LA-508-462	U	0.436	pCi/g	1.00	1.6	08/11/03	07/30/03	08/04/03
W030000670	B173V2	GPP	TRENT	E,T,C	Eu-152 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.95	pCi/g	1.00	0.0	08/11/03	07/30/03	08/04/03
W030000670	B173V2	GPP	TRENT	15585-10-1	Europium-154	SOIL	LA-508-462	U	-0.207	pCi/g	1.00	0.49	08/11/03	07/30/03	08/04/03
W030000670	B173V2	GPP	TRENT	E,T,C	Eu-154 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.30	pCi/g	1.00	0.0	08/11/03	07/30/03	08/04/03

MDL=Minimum Detection Limit
RQ=Result Qualifier

B - The analyte < the RDL but > = the IDL/MDL (inorganic)
E - Analyte is an estimate, has potentially larger errors
C - The Analyte was in the Sample and Blank, Sample < = 5 x Blank
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 #: WSCF20031045

Sample #	Client ID			CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W030000670	B173V2	GPP	TRENT	14391-16-3	Europium-155	SOIL	LA-508-462	U	-0.307	pCi/g	1.00	4.1	08/11/03	07/30/03	08/04/03
W030000670	B173V2	GPP	TRENT	E,T,C	Eu-155 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 2.4	pCi/g	1.00	0.0	08/11/03	07/30/03	08/04/03
W030000670	B173V2	GPP	TRENT	14681-63-1	Niobium-94	SOIL	LA-508-462	U	-0.192	pCi/g	1.00	0.28	08/11/03	07/30/03	08/04/03
W030000670	B173V2	GPP	TRENT	E,T,C	Nb-94 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.19	pCi/g	1.00	0.0	08/11/03	07/30/03	08/04/03
W030000670	B173V2	GPP	TRENT	13982-63-3	Radium-226	SOIL	LA-508-462	U	0.612	pCi/g	1.00	0.69	08/11/03	07/30/03	08/04/03
W030000670	B173V2	GPP	TRENT	E,T,C	Ra-226 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.52	pCi/g	1.00	0.0	08/11/03	07/30/03	08/04/03
W030000670	B173V2	GPP	TRENT	15262-20-1	Radium-228	SOIL	LA-508-462		0.849	pCi/g	1.00	0.85	08/11/03	07/30/03	08/04/03
W030000670	B173V2	GPP	TRENT	E,T,C	Ra-228 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.77	pCi/g	1.00	0.0	08/11/03	07/30/03	08/04/03
W030000670	B173V2	GPP	TRENT	13967-48-1	Ruthenium-106	SOIL	LA-508-462	U	0.329	pCi/g	1.00	3.2	08/11/03	07/30/03	08/04/03
W030000670	B173V2	GPP	TRENT	E,T,C	Ru-106 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 1.9	pCi/g	1.00	0.0	08/11/03	07/30/03	08/04/03
W030000670	B173V2	GPP	TRENT	15832-50-5	Tin-126	SOIL	LA-508-462	U	-0.765	pCi/g	1.00	2.9	08/11/03	07/30/03	08/04/03
W030000670	B173V2	GPP	TRENT	E,T,C	Sn-126 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 1.8	pCi/g	1.00	0.0	08/11/03	07/30/03	08/04/03
W030000670	B173V2	GPP	TRENT	15065-10-8	Thorium-234	SOIL	LA-508-462	U	19.2	pCi/g	1.00	51	08/11/03	07/30/03	08/04/03
W030000670	B173V2	GPP	TRENT	E,T,C	Th-234 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 13	pCi/g	1.00	0.0	08/11/03	07/30/03	08/04/03
W030000670	B173V2	GPP	TRENT	15117-96-1	Uranium-235	SOIL	LA-508-462	U	1.10	pCi/g	1.00	6.7	08/11/03	07/30/03	08/04/03
W030000670	B173V2	GPP	TRENT	E,T,C	U-235 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.85	pCi/g	1.00	0.0	08/11/03	07/30/03	08/04/03
W030000670	B173V2	GPP	TRENT	13982-39-3	Zinc-65	SOIL	LA-508-462	U	-0.0914	pCi/g	1.00	0.41	08/11/03	07/30/03	08/04/03
W030000670	B173V2	GPP	TRENT	E,T,C	Zn-65 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.29	pCi/g	1.00	0.0	08/11/03	07/30/03	08/04/03
W030000670	B173V2	GPP	TRENT	14331-83-0	Actinium-228	SOIL	LA-508-462	U	0.849	pCi/g	1.00	0.93	08/11/03	07/30/03	08/04/03
W030000670	B173V2	GPP	TRENT	E,T,C	Ac-228 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.77	pCi/g	1.00	0.0	08/11/03	07/30/03	08/04/03
W030000670	B173V2	GPP	TRENT	14913-49-6	Bismuth-212	SOIL	LA-508-462		2.79	pCi/g	1.00	2.4	08/11/03	07/30/03	08/04/03
W030000670	B173V2	GPP	TRENT	E,T,C	Bi-212 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 1.8	pCi/g	1.00	0.0	08/11/03	07/30/03	08/04/03
W030000670	B173V2	GPP	TRENT	14733-03-0	Bismuth-214	SOIL	LA-508-462	U	0.612	pCi/g	1.00	0.69	08/11/03	07/30/03	08/04/03
W030000670	B173V2	GPP	TRENT	E,T,C	Bi-214 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.52	pCi/g	1.00	0.0	08/11/03	07/30/03	08/04/03
W030000670	B173V2	GPP	TRENT	15092-94-1	Lead-212	SOIL	LA-508-462	U	0.594	pCi/g	1.00	1.2	08/11/03	07/30/03	08/04/03
W030000670	B173V2	GPP	TRENT	E,T,C	Pb-212 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.77	pCi/g	1.00	0.0	08/11/03	07/30/03	08/04/03
W030000670	B173V2	GPP	TRENT	15067-28-4	Lead-214	SOIL	LA-508-462	U	0.869	pCi/g	1.00	1.1	08/11/03	07/30/03	08/04/03

MDL=Minimum Detection Limit
RQ=Result Qualifier

B - The analyte < the RDL but > = the IDL/MDL (inorganic)
E - Analyte is an estimate, has potentially larger errors
C - The Analyte was in the Sample and Blank, Sample < = 5 x Blank
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

2-4

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

Group #: WSCF20031045

Sample #	Client ID			CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W030000670	B173V2	GPP	TRENT	E,T,C	Pb-214 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.73	pCi/g	1.00	0.0	08/11/03	07/30/03	08/04/03
W030000670	B173V2	GPP	TRENT	13968-53-1	Ruthenium-103	SOIL	LA-508-462	U	-0.0537	pCi/g	1.00	0.41	08/11/03	07/30/03	08/04/03
W030000670	B173V2	GPP	TRENT	E,T,C	Ru-103 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.25	pCi/g	1.00	0.0	08/11/03	07/30/03	08/04/03
W030000670	B173V2	GPP	TRENT	13966-06-8	Tin-113	SOIL	LA-508-462	U	-0.194	pCi/g	1.00	0.62	08/11/03	07/30/03	08/04/03
W030000670	B173V2	GPP	TRENT	E,T,C	Sn-113 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.37	pCi/g	1.00	0.0	08/11/03	07/30/03	08/04/03
W030000670	B173V2	GPP	TRENT	14913-50-9	Thallium-208	SOIL	LA-508-462	U	0.374	pCi/g	1.00	0.39	08/11/03	07/30/03	08/04/03
W030000670	B173V2	GPP	TRENT	E,T,C	Tl-208 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.24	pCi/g	1.00	0.0	08/11/03	07/30/03	08/04/03
W030000670	B173V2	GPP	TRENT	7440-69-9	Bismuth	SOIL	LA-505-411	U	< 9.32	mg/kg	93.20	9.3	08/25/03	07/30/03	08/04/03
W030000670	B173V2	GPP	TRENT	7440-42-8	Boron	SOIL	LA-505-411	U	< 9.51	mg/kg	93.20	9.5	08/25/03	07/30/03	08/04/03
W030000670	B173V2	GPP	TRENT	7440-36-0	Antimony	SOIL	LA-505-412	U	< 4.72	mg/kg	9.45	4.7	09/04/03	07/30/03	08/04/03
W030000670	B173V2	GPP	TRENT	7440-38-2	Arsenic	SOIL	LA-505-412		4.72	mg/kg	9.45	2.8	09/04/03	07/30/03	08/04/03
W030000670	B173V2	GPP	TRENT	7440-39-3	Barium	SOIL	LA-505-412		55.7	mg/kg	9.45	1.9	09/04/03	07/30/03	08/04/03
W030000670	B173V2	GPP	TRENT	7440-41-7	Beryllium	SOIL	LA-505-412	U	< 2.84	mg/kg	9.45	2.8	09/04/03	07/30/03	08/04/03
W030000670	B173V2	GPP	TRENT	7440-43-9	Cadmium	SOIL	LA-505-412	U	< 0.940	mg/kg	9.45	0.10	09/04/03	07/30/03	08/04/03
W030000670	B173V2	GPP	TRENT	7440-47-3	Chromium	SOIL	LA-505-412		7.01	mg/kg	9.45	2.8	09/04/03	07/30/03	08/04/03
W030000670	B173V2	GPP	TRENT	7440-50-8	Copper	SOIL	LA-505-412		7.10	mg/kg	9.45	4.7	09/04/03	07/30/03	08/04/03
W030000670	B173V2	GPP	TRENT	7439-92-1	Lead	SOIL	LA-505-412	U	< 11.3	mg/kg	9.45	11	09/04/03	07/30/03	08/04/03
W030000670	B173V2	GPP	TRENT	7440-02-0	Nickel	SOIL	LA-505-412		9.94	mg/kg	9.45	4.7	09/04/03	07/30/03	08/04/03
W030000670	B173V2	GPP	TRENT	7782-49-2	Selenium	SOIL	LA-505-412	U	< 2.84	mg/kg	9.45	0.30	09/04/03	07/30/03	08/04/03
W030000670	B173V2	GPP	TRENT	7440-22-4	Silver	SOIL	LA-505-412	EU	< 1.89	mg/kg	9.45	1.9	09/04/03	07/30/03	08/04/03
W030000670	B173V2	GPP	TRENT	7440-61-1	Uranium	SOIL	LA-505-412		19.2	mg/kg	9.45	0.94	09/04/03	07/30/03	08/04/03
W030000670	B173V2	GPP	TRENT	7439-97-6	Mercury	SOIL	LA-505-412	C	1.71	mg/kg	9.45	0.94	09/04/03	07/30/03	08/04/03
W030000670	B173V2	GPP	TRENT	12674-11-2	Aroclor-1016	SOIL	LA-523-427	U	< 50.0	ug/kg	1.00	50	08/12/03	07/30/03	08/04/03
W030000670	B173V2	GPP	TRENT	11104-28-2	Aroclor-1221	SOIL	LA-523-427	U	< 100	ug/kg	1.00	1.0e+02	08/12/03	07/30/03	08/04/03
W030000670	B173V2	GPP	TRENT	11141-16-5	Aroclor-1232	SOIL	LA-523-427	U	< 50.0	ug/kg	1.00	50	08/12/03	07/30/03	08/04/03
W030000670	B173V2	GPP	TRENT	53469-21-9	Aroclor-1242	SOIL	LA-523-427	U	< 50.0	ug/kg	1.00	50	08/12/03	07/30/03	08/04/03
W030000670	B173V2	GPP	TRENT	12672-29-6	Aroclor-1248	SOIL	LA-523-427	U	< 50.0	ug/kg	1.00	50	08/12/03	07/30/03	08/04/03

MDL=Minimum Detection Limit
RQ=Result Qualifier

B - The analyte < the RDL but > = the IDL/MDL (inorganic)
E - Analyte is an estimate, has potentially larger errors
C - The Analyte was in the Sample and Blank, Sample < = 5 x Blank
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

2 - 5

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

Group #: WSCF20031045

Sample #	Client ID			CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W030000670	B173V2	GPP	TRENT	11097-69-1	Aroclor-1254	SOIL	LA-523-427	U	< 50.0	ug/kg	1.00	50	08/12/03	07/30/03	08/04/03
W030000670	B173V2	GPP	TRENT	11096-82-5	Aroclor-1260	SOIL	LA-523-427	U	< 50.0	ug/kg	1.00	50	08/12/03	07/30/03	08/04/03
W030000670	B173V2	GPP	TRENT	37324-23-5	Aroclor-1262	SOIL	LA-523-427	U	< 50.0	ug/kg	1.00	50	08/12/03	07/30/03	08/04/03
W030000670	B173V2	GPP	TRENT	11100-14-4	Aroclor-1268	SOIL	LA-523-427	U	< 50.0	ug/kg	1.00	50	08/12/03	07/30/03	08/04/03
W030000670	B173V2	GPP	TRENT	13981-16-3	Plutonium-238	SOIL	LA-508-471	U	-2.80	pCi/g	1.00	15	08/21/03	07/30/03	08/04/03
W030000670	B173V2	GPP	TRENT	E,T,C	Pu-238 by AEA Total Cntg Error	SOIL	LA-508-471		+- 8.1	pCi/g	1.00	0.0	08/21/03	07/30/03	08/04/03
W030000670	B173V2	GPP	TRENT	PU-239/240	Pu-239/240 by AEA	SOIL	LA-508-471	U	0.550	pCi/g	1.00	5.1	08/21/03	07/30/03	08/04/03
W030000670	B173V2	GPP	TRENT	E,T,C	Pu-239/240 AEA Total Cntg Err	SOIL	LA-508-471		+- 2.5	pCi/g	1.00	0.0	08/21/03	07/30/03	08/04/03
W030000670	B173V2	GPP	TRENT	U-233/234	Uranium-233/234	SOIL	LA-508-471		16.0	pCi/g	1.00	3.8	08/21/03	07/30/03	08/04/03
W030000670	B173V2	GPP	TRENT	E,T,C	U-233/234 AEA Total Cntg Error	SOIL	LA-508-471		+- 6.7	pCi/g	1.00	0.0	08/21/03	07/30/03	08/04/03
W030000670	B173V2	GPP	TRENT	15117-96-1	Uranium-235	SOIL	LA-508-471		2.60	pCi/g	1.00	1.2	08/21/03	07/30/03	08/04/03
W030000670	B173V2	GPP	TRENT	E,T,C	U-235 by AEA Total Cntg Error	SOIL	LA-508-471		+- 2.2	pCi/g	1.00	0.0	08/21/03	07/30/03	08/04/03
W030000670	B173V2	GPP	TRENT	U-238	Uranium-238	SOIL	LA-508-471		4.40	pCi/g	1.00	3.0	08/21/03	07/30/03	08/04/03
W030000670	B173V2	GPP	TRENT	E,T,C	U-238 by AEA Total Cntg Error	SOIL	LA-508-471		+- 3.1	pCi/g	1.00	0.10	08/21/03	07/30/03	08/04/03
W030000671	B173V3	GPP	TRENT	57-12-5	Cyanide	SOIL	LA-695-402	U	< 0.200	mg/kg	1.00	0.20	08/11/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	NH4-N	Nitrogen in ammonium	SOIL	LA-503-401	B	58.2	mg/kg	1.95e+002	0.78	08/13/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	TS	Total solids	SOIL	LA-519-412		96.2	%	1.00	0.0	08/14/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	PH	pH Measurement	SOIL	LA-212-411		8.04	pH	1.00	0.010	08/14/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	60-29-7	Diethyl ether	SOIL	Organics	U	< 5.00e+03	ug/kg	1.00	5.0e+03	08/26/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	67-56-1	Methanol	SOIL	Organics	U	< 1.00e+03	ug/kg	1.00	1.0e+03	08/26/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	107-21-1	Ethylene glycol	SOIL	Organics	U	< 5.00e+03	ug/kg	1.00	5.0e+03	08/26/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	14596-10-2	Americium-241	SOIL	LA-508-471		0.190	pCi/g	1.00	0.14	08/21/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	E,T,C	Am-241 by AEA Total Cntg Error	SOIL	LA-508-471		+- 0.11	pCi/g	1.00	0.0	08/21/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	16984-48-8	Fluoride	SOIL	LA-533-410	U	< 1.36	mg/kg	1.95e+002	1.4	08/12/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	16887-00-6	Chloride	SOIL	LA-533-410	U	< 2.73	mg/kg	1.95e+002	2.7	08/12/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	NO2-N	Nitrogen in Nitrite	SOIL	LA-533-410	U	< 1.76	mg/kg	1.95e+002	1.8	08/12/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	NO3-N	Nitrogen in Nitrate	SOIL	LA-533-410		289	mg/kg	1.95e+002	0.98	08/12/03	07/31/03	08/04/03

MDL=Minimum Detection Limit
RQ=Result Qualifier

B - The analyte < the RDL but > = the IDL/MDL (inorganic)
E - Analyte is an estimate, has potentially larger errors
C - The Analyte was in the Sample and Blank, Sample < = 5 x Blank
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 #: WSCF20031045

Sample #	Client ID			CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W030000671	B173V3	GPP	TRENT	14265-44-2	Phosphate	SOIL	LA-533-410	U	< 2.54	mg/kg	1.95e+002	2.5	08/12/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	14808-79-8	Sulfate	SOIL	LA-533-410	B	8.68	mg/kg	1.95e+002	4.7	08/12/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	14596-10-2	Americium-241	SOIL	LA-508-462	U	0.128	pCi/g	1.00	0.53	08/11/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	E,T,C	Am-241 Rel Count Error (GEA)	SOIL	LA-508-462		+- 0.30	pCi/g	1.00	0.0	08/11/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	14234-35-6	Antimony-125	SOIL	LA-508-462	U	0.228	pCi/g	1.00	0.28	08/11/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	E,T,C	Sb-125 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.24	pCi/g	1.00	0.0	08/11/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	14762-78-8	Cerium-144	SOIL	LA-508-462	U	-0.240	pCi/g	1.00	0.52	08/11/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	E,T,C	Ce-144 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.33	pCi/g	1.00	0.0	08/11/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	10198-40-0	Cobalt-60	SOIL	LA-508-462		0.228	pCi/g	1.00	0.14	08/11/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	E,T,C	Co-60 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.086	pCi/g	1.00	0.0	08/11/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	13967-70-9	Cesium-134	SOIL	LA-508-462	U	-0.0141	pCi/g	1.00	0.11	08/11/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	E,T,C	Cs-134 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.063	pCi/g	1.00	0.0	08/11/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	10045-97-3	Cesium-137	SOIL	LA-508-462		2.48	pCi/g	1.00	0.092	08/11/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	E,T,C	Cs-137 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.40	pCi/g	1.00	0.0	08/11/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	14683-23-9	Europium-152	SOIL	LA-508-462	U	-0.173	pCi/g	1.00	0.24	08/11/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	E,T,C	Eu-152 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.17	pCi/g	1.00	0.0	08/11/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	15585-10-1	Europium-154	SOIL	LA-508-462	U	-0.0650	pCi/g	1.00	0.30	08/11/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	E,T,C	Eu-154 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.18	pCi/g	1.00	0.0	08/11/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	14391-16-3	Europium-155	SOIL	LA-508-462	U	-0.121	pCi/g	1.00	0.29	08/11/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	E,T,C	Eu-155 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.18	pCi/g	1.00	0.0	08/11/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	14681-63-1	Niobium-94	SOIL	LA-508-462	U	-0.0519	pCi/g	1.00	0.092	08/11/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	E,T,C	Nb-94 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.056	pCi/g	1.00	0.0	08/11/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	13982-63-3	Radium-226	SOIL	LA-508-462		0.733	pCi/g	1.00	0.20	08/11/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	E,T,C	Ra-226 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.29	pCi/g	1.00	0.0	08/11/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	15262-20-1	Radium-228	SOIL	LA-508-462		0.702	pCi/g	1.00	0.33	08/11/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	E,T,C	Ra-228 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.41	pCi/g	1.00	0.0	08/11/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	13967-48-1	Ruthenium-106	SOIL	LA-508-462	U	6.13e-03	pCi/g	1.00	0.86	08/11/03	07/31/03	08/04/03

MDL=Minimum Detection Limit
RQ=Result Qualifier

B - The analyte < the RDL but > = the IDL/MDL (inorganic)
E - Analyte is an estimate, has potentially larger errors
C - The Analyte was in the Sample and Blank, Sample < = 5 x Blank
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

2-7

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

Group #: WSCF20031045

Sample #	Client ID			CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W030000671	B173V3	GPP	TRENT	E,T,C	Ru-106 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.061	pCi/g	1.00	0.0	08/11/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	15832-50-5	Tin-126	SOIL	LA-508-462	U	-3.13e-03	pCi/g	1.00	0.22	08/11/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	E,T,C	Sn-126 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.031	pCi/g	1.00	0.0	08/11/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	15065-10-8	Thorium-234	SOIL	LA-508-462	U	3.45	pCi/g	1.00	4.6	08/11/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	E,T,C	Th-234 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 2.0	pCi/g	1.00	0.0	08/11/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	15117-96-1	Uranium-235	SOIL	LA-508-462	U	0.504	pCi/g	1.00	0.60	08/11/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	E,T,C	U-235 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.50	pCi/g	1.00	0.0	08/11/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	13982-39-3	Zinc-65	SOIL	LA-508-462	U	0.0373	pCi/g	1.00	0.23	08/11/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	E,T,C	Zn-65 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.15	pCi/g	1.00	0.0	08/11/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	14331-83-0	Actinium-228	SOIL	LA-508-462		0.702	pCi/g	1.00	0.33	08/11/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	E,T,C	Ac-228 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.41	pCi/g	1.00	0.0	08/11/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	14913-49-6	Bismuth-212	SOIL	LA-508-462	U	0.440	pCi/g	1.00	0.79	08/11/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	E,T,C	Bi-212 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.45	pCi/g	1.00	0.0	08/11/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	14733-03-0	Bismuth-214	SOIL	LA-508-462		0.733	pCi/g	1.00	0.20	08/11/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	E,T,C	Bi-214 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.29	pCi/g	1.00	0.0	08/11/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	15092-94-1	Lead-212	SOIL	LA-508-462		0.646	pCi/g	1.00	0.14	08/11/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	E,T,C	Pb-212 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.16	pCi/g	1.00	0.0	08/11/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	15067-28-4	Lead-214	SOIL	LA-508-462		0.555	pCi/g	1.00	0.19	08/11/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	E,T,C	Pb-214 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.21	pCi/g	1.00	0.0	08/11/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	13968-53-1	Ruthenium-103	SOIL	LA-508-462	U	-0.0627	pCi/g	1.00	0.090	08/11/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	E,T,C	Ru-103 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.063	pCi/g	1.00	0.0	08/11/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	13966-06-8	Tin-113	SOIL	LA-508-462	U	-0.0263	pCi/g	1.00	0.11	08/11/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	E,T,C	Sn-113 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.068	pCi/g	1.00	0.0	08/11/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	14913-50-9	Thallium-208	SOIL	LA-508-462		0.202	pCi/g	1.00	0.093	08/11/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	E,T,C	Tl-208 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.11	pCi/g	1.00	0.0	08/11/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	7440-69-9	Bismuth	SOIL	LA-505-411	U	< 9.84	mg/kg	98.40	9.8	08/25/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	7440-42-8	Boron	SOIL	LA-505-411	U	< 10.0	mg/kg	98.40	10	08/25/03	07/31/03	08/04/03

MDL=Minimum Detection Limit
RQ=Result Qualifier

B - The analyte < the RDL but > = the IDL/MDL (inorganic)
E - Analyte is an estimate, has potentially larger errors
C - The Analyte was in the Sample and Blank, Sample < = 5 x Blank
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 #: WSCF20031045

Sample #	Client ID			CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W030000671	B173V3	GPP	TRENT	7440-36-0	Antimony	SOIL	LA-505-412	U	< 4.81	mg/kg	9.62	4.8	09/04/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	7440-38-2	Arsenic	SOIL	LA-505-412		5.79	mg/kg	9.62	2.9	09/04/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	7440-39-3	Barium	SOIL	LA-505-412		42.8	mg/kg	9.62	1.9	09/04/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	7440-41-7	Beryllium	SOIL	LA-505-412	U	< 2.89	mg/kg	9.62	2.9	09/04/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	7440-43-9	Cadmium	SOIL	LA-505-412	U	< 0.960	mg/kg	9.62	0.10	09/04/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	7440-47-3	Chromium	SOIL	LA-505-412		8.82	mg/kg	9.62	2.9	09/04/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	7440-50-8	Copper	SOIL	LA-505-412		8.03	mg/kg	9.62	4.8	09/04/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	7439-92-1	Lead	SOIL	LA-505-412	U	< 11.5	mg/kg	9.62	12	09/04/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	7440-02-0	Nickel	SOIL	LA-505-412		11.0	mg/kg	9.62	4.8	09/04/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	7782-49-2	Selenium	SOIL	LA-505-412	U	< 2.89	mg/kg	9.62	0.30	09/04/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	7440-22-4	Silver	SOIL	LA-505-412	EU	< 1.92	mg/kg	9.62	1.9	09/04/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	7440-61-1	Uranium	SOIL	LA-505-412		3.11	mg/kg	9.62	0.96	09/04/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	7439-97-6	Mercury	SOIL	LA-505-412	C	1.59	mg/kg	9.62	0.96	09/04/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	TPHGASOLINE	Total Pet. Hydrocarbons Gas	SOIL	NWTPH	U	< 250	ug/kg	1.00	2.5e+02	08/27/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	12674-11-2	Aroclor-1016	SOIL	LA-523-427	U	< 51.0	ug/kg	1.00	51	08/12/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	11104-28-2	Aroclor-1221	SOIL	LA-523-427	U	< 100	ug/kg	1.00	1.0e+02	08/12/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	11141-16-5	Aroclor-1232	SOIL	LA-523-427	U	< 51.0	ug/kg	1.00	51	08/12/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	53469-21-9	Aroclor-1242	SOIL	LA-523-427	U	< 51.0	ug/kg	1.00	51	08/12/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	12672-29-6	Aroclor-1248	SOIL	LA-523-427	U	< 51.0	ug/kg	1.00	51	08/12/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	11097-69-1	Aroclor-1254	SOIL	LA-523-427	U	< 51.0	ug/kg	1.00	51	08/12/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	11096-82-5	Aroclor-1260	SOIL	LA-523-427	U	< 51.0	ug/kg	1.00	51	08/12/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	37324-23-5	Aroclor-1262	SOIL	LA-523-427	U	< 51.0	ug/kg	1.00	51	08/12/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	11100-14-4	Aroclor-1268	SOIL	LA-523-427	U	< 51.0	ug/kg	1.00	51	08/12/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	13981-16-3	Plutonium-238	SOIL	LA-508-471	U	0.0570	pCi/g	1.00	0.13	08/21/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	E,T,C	Pu-238 by AEA Total Cntg Error	SOIL	LA-508-471		+- 0.080	pCi/g	1.00	0.0	08/21/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	PU-239/240	Pu-239/240 by AEA	SOIL	LA-508-471		0.420	pCi/g	1.00	0.038	08/21/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	E,T,C	Pu-239/240 AEA Total Cntg Err	SOIL	LA-508-471		+- 0.14	pCi/g	1.00	0.0	08/21/03	07/31/03	08/04/03

MDL=Minimum Detection Limit
RQ=Result Qualifier

B - The analyte < the RDL but > = the IDL/MDL (inorganic)
E - Analyte is an estimate, has potentially larger errors
C - The Analyte was in the Sample and Blank, Sample < = 5 x Blank
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 #: WSCF20031045

Sample #	Client ID			CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W030000671	B173V3	GPP	TRENT	100-02-7	4-Nitrophenol	SOIL	LA-523-456	U	< 670	ug/kg	1.00	6.7e+02	08/13/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	106-46-7	1,4-Dichlorobenzene	SOIL	LA-523-456	U	< 320	ug/kg	1.00	3.2e+02	08/13/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	108-95-2	Phenol	SOIL	LA-523-456	U	< 100	ug/kg	1.00	1.0e+02	08/13/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	120-82-1	1,2,4-Trichlorobenzene	SOIL	LA-523-456	U	< 300	ug/kg	1.00	3.0e+02	08/13/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	121-14-2	2,4-Dinitrotoluene	SOIL	LA-523-456	U	< 69.0	ug/kg	1.00	69	08/13/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	129-00-0	Pyrene	SOIL	LA-523-456	U	< 69.0	ug/kg	1.00	69	08/13/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	59-50-7	4-Chloro-3-methylphenol	SOIL	LA-523-456	U	< 69.0	ug/kg	1.00	69	08/13/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	621-64-7	N-Nitrosodi-n-dipropylamine	SOIL	LA-523-456	U	< 69.0	ug/kg	1.00	69	08/13/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	83-32-9	Acenaphthene	SOIL	LA-523-456	U	< 69.0	ug/kg	1.00	69	08/13/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	87-86-5	Pentachlorophenol	SOIL	LA-523-456	U	< 310	ug/kg	1.00	3.1e+02	08/13/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	95-57-8	2-Chlorophenol	SOIL	LA-523-456	U	< 150	ug/kg	1.00	1.5e+02	08/13/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	100-01-6	4-Nitroaniline	SOIL	LA-523-456	U	< 260	ug/kg	1.00	2.6e+02	08/13/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	101-55-3	4-Bromophenylphenyl ether	SOIL	LA-523-456	U	< 69.0	ug/kg	1.00	69	08/13/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	105-67-9	2,4-Dimethylphenol	SOIL	LA-523-456	U	< 69.0	ug/kg	1.00	69	08/13/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	106-47-8	4-Chloroaniline	SOIL	LA-523-456	U	< 97.0	ug/kg	1.00	97	08/13/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	108-60-1	Bis(2-chloro-1-methylethyl)eth	SOIL	LA-523-456	U	< 260	ug/kg	1.00	2.6e+02	08/13/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	111-44-4	Bis(2-chloroethyl) ether	SOIL	LA-523-456	U	< 260	ug/kg	1.00	2.6e+02	08/13/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	111-91-1	Bis(2-Chloroethoxy)methane	SOIL	LA-523-456	U	< 120	ug/kg	1.00	1.2e+02	08/13/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	117-81-7	Bis(2-ethylhexyl) phthalate	SOIL	LA-523-456	U	< 580	ug/kg	1.00	5.8e+02	08/13/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	117-84-0	Di-n-octylphthalate	SOIL	LA-523-456	U	< 69.0	ug/kg	1.00	69	08/13/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	118-74-1	Hexachlorobenzene	SOIL	LA-523-456	U	< 69.0	ug/kg	1.00	69	08/13/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	120-12-7	Anthracene	SOIL	LA-523-456	U	< 69.0	ug/kg	1.00	69	08/13/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	120-83-2	2,4-Dichlorophenol	SOIL	LA-523-456	U	< 83.0	ug/kg	1.00	83	08/13/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	131-11-3	Dimethyl phthalate	SOIL	LA-523-456	U	< 69.0	ug/kg	1.00	69	08/13/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	132-64-9	Dibenzofuran	SOIL	LA-523-456	U	< 69.0	ug/kg	1.00	69	08/13/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	191-24-2	Benzo(ghi)perylene	SOIL	LA-523-456	U	< 69.0	ug/kg	1.00	69	08/13/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	193-39-5	Indeno(1,2,3-cd)pyrene	SOIL	LA-523-456	U	< 69.0	ug/kg	1.00	69	08/13/03	07/31/03	08/04/03

MDL=Minimum Detection Limit
RQ=Result Qualifier

B - The analyte < the RDL but > = the IDL/MDL (inorganic)
E - Analyte is an estimate, has potentially larger errors
C - The Analyte was in the Sample and Blank, Sample < = 5 x Blank
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 #: WSCF20031045

Sample #	Client ID			CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W030000671	B173V3	GPP	TRENT	205-99-2	Benzo(b)fluoranthene	SOIL	LA-523-456	U	< 69.0	ug/kg	1.00	69	08/13/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	206-44-0	Fluoranthene	SOIL	LA-523-456	U	< 69.0	ug/kg	1.00	69	08/13/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	207-08-9	Benzo(k)fluoranthene	SOIL	LA-523-456	U	< 69.0	ug/kg	1.00	69	08/13/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	208-96-8	Acenaphthylene	SOIL	LA-523-456	U	< 83.0	ug/kg	1.00	83	08/13/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	218-01-9	Chrysene	SOIL	LA-523-456	U	< 69.0	ug/kg	1.00	69	08/13/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	50-32-8	Benzo(a)pyrene	SOIL	LA-523-456	U	< 69.0	ug/kg	1.00	69	08/13/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	51-28-5	2,4-Dinitrophenol	SOIL	LA-523-456	U	< 690	ug/kg	1.00	6.9e+02	08/13/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	53-70-3	Dibenz[a,h]anthracene	SOIL	LA-523-456	U	< 69.0	ug/kg	1.00	69	08/13/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	534-52-1	4,6-Dinitro-2-methylphenol	SOIL	LA-523-456	U	< 690	ug/kg	1.00	6.9e+02	08/13/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	541-73-1	1,3-Dichlorobenzene	SOIL	LA-523-456	U	< 330	ug/kg	1.00	3.3e+02	08/13/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	56-55-3	Benzo(a)anthracene	SOIL	LA-523-456	U	< 69.0	ug/kg	1.00	69	08/13/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	606-20-2	2,6-Dinitrotoluene	SOIL	LA-523-456	U	< 69.0	ug/kg	1.00	69	08/13/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	7005-72-3	4-Chlorophenylphenyl ether	SOIL	LA-523-456	U	< 69.0	ug/kg	1.00	69	08/13/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	77-47-4	Hexachlorocyclopentadiene	SOIL	LA-523-456	U	< 320	ug/kg	1.00	3.2e+02	08/13/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	78-59-1	Isophorone	SOIL	LA-523-456	U	< 69.0	ug/kg	1.00	69	08/13/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	84-66-2	Diethylphthalate	SOIL	LA-523-456	U	< 190	ug/kg	1.00	1.9e+02	08/13/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	84-74-2	Di-n-butylphthalate	SOIL	LA-523-456	U	< 90.0	ug/kg	1.00	90	08/13/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	85-01-8	Phenanthrene	SOIL	LA-523-456	U	< 69.0	ug/kg	1.00	69	08/13/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	85-68-7	Butylbenzylphthalate	SOIL	LA-523-456	U	< 69.0	ug/kg	1.00	69	08/13/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	86-30-6	N-Nitrosodiphenylamine	SOIL	LA-523-456	U	< 69.0	ug/kg	1.00	69	08/13/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	86-73-7	Fluorene	SOIL	LA-523-456	U	< 69.0	ug/kg	1.00	69	08/13/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	86-74-8	Carbazole	SOIL	LA-523-456	U	< 83.0	ug/kg	1.00	83	08/13/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	87-68-3	Hexachlorobutadiene	SOIL	LA-523-456	U	< 380	ug/kg	1.00	3.8e+02	08/13/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	88-74-4	2-Nitroaniline	SOIL	LA-523-456	U	< 69.0	ug/kg	1.00	69	08/13/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	88-75-5	2-Nitrophenol	SOIL	LA-523-456	U	< 180	ug/kg	1.00	1.8e+02	08/13/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	91-20-3	Naphthalene	SOIL	LA-523-456	U	< 300	ug/kg	1.00	3.0e+02	08/13/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	91-57-6	2-Methylnaphthalene	SOIL	LA-523-456	U	< 190	ug/kg	1.00	1.9e+02	08/13/03	07/31/03	08/04/03

MDL=Minimum Detection Limit
RQ=Result Qualifier

B - The analyte < the RDL but > = the IDL/MDL (inorganic)
E - Analyte is an estimate, has potentially larger errors
C - The Analyte was in the Sample and Blank, Sample < = 5 x Blank
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 #: WSCF20031045

Sample #	Client ID			CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W030000671	B173V3	GPP	TRENT	91-58-7	2-Chloronaphthalene	SOIL	LA-523-456	U	< 69.0	ug/kg	1.00	69	08/13/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	91-94-1	3,3'-Dichlorobenzidine	SOIL	LA-523-456	U	< 83.0	ug/kg	1.00	83	08/13/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	95-48-7	2-Methylphenol (cresol, o-)	SOIL	LA-523-456	U	< 69.0	ug/kg	1.00	69	08/13/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	95-50-1	1,2-Dichlorobenzene	SOIL	LA-523-456	U	< 370	ug/kg	1.00	3.7e+02	08/13/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	95-95-4	2,4,5-Trichlorophenol	SOIL	LA-523-456	U	< 76.0	ug/kg	1.00	76	08/13/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	98-95-3	Nitrobenzene	SOIL	LA-523-456	U	< 270	ug/kg	1.00	2.7e+02	08/13/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	99-09-2	3-Nitroaniline	SOIL	LA-523-456	U	< 69.0	ug/kg	1.00	69	08/13/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	65794-96-9	3 & 4 Methylphenol Total	SOIL	LA-523-456	U	< 120	ug/kg	1.00	1.2e+02	08/13/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	67-72-1	Hexachloroethane	SOIL	LA-523-456	U	< 480	ug/kg	1.00	4.8e+02	08/13/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	88-06-2	2,4,6-Trichlorophenol	SOIL	LA-523-456	U	< 69.0	ug/kg	1.00	69	08/13/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	111-76-2	2-Butoxyethanol	SOIL	LA-523-456	U	< 100	ug/kg	1.00	1.0e+02	08/13/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	126-73-8	Tributyl phosphate	SOIL	LA-523-456	U	< 69.0	ug/kg	1.00	69	08/13/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	U-233/234	Uranium-233/234	SOIL	LA-508-471		1.40	pCi/g	1.00	0.013	08/21/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	E,T,C	U-233/234 AEA Total Cntg Error	SOIL	LA-508-471		+- 0.39	pCi/g	1.00	0.0	08/21/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	15117-96-1	Uranium-235	SOIL	LA-508-471	U	0.0380	pCi/g	1.00	0.050	08/21/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	E,T,C	U-235 by AEA Total Cntg Error	SOIL	LA-508-471		+- 0.037	pCi/g	1.00	0.0	08/21/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	U-238	Uranium-238	SOIL	LA-508-471		0.570	pCi/g	1.00	0.013	08/21/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	E,T,C	U-238 by AEA Total Cntg Error	SOIL	LA-508-471		+- 0.18	pCi/g	1.00	0.10	08/21/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	TPHDIESEL	Total Pet. Hydrocarbons Diesel	SOIL	NWTPH	U	< 3.90e+03	ug/kg	1.00	3.9e+03	08/08/03	07/31/03	08/04/03
W030000671	B173V3	GPP	TRENT	TPHKEROSENE	Kerosene	SOIL	NWTPH	U	< 3.90e+03	ug/kg	1.00	3.9e+03	08/08/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	57-12-5	Cyanide	SOIL	LA-695-402	U	< 0.200	mg/kg	1.00	0.20	08/11/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	NH4-N	Nitrogen in ammonium	SOIL	LA-503-401	B	40.5	mg/kg	1.95e+002	0.78	08/13/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	TS	Total solids	SOIL	LA-519-412		96.5	%	1.00	0.0	08/14/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	PH	pH Measurement	SOIL	LA-212-411		7.99	pH	1.00	0.010	08/14/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	60-29-7	Diethyl ether	SOIL	Organics	U	< 5.00e+03	ug/kg	1.00	5.0e+03	08/26/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	67-56-1	Methanol	SOIL	Organics	U	< 1.00e+03	ug/kg	1.00	1.0e+03	08/26/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	107-21-1	Ethylene glycol	SOIL	Organics	U	< 5.00e+03	ug/kg	1.00	5.0e+03	08/26/03	07/31/03	08/04/03

MDL=Minimum Detection Limit
RQ=Result Qualifier

B - The analyte < the RDL but > = the IDL/MDL (inorganic)
E - Analyte is an estimate, has potentially larger errors
C - The Analyte was in the Sample and Blank, Sample < = 5 x Blank
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 #: WSCF20031045

Sample #	Client ID			CAS #	Test Performed	Matrix	WSCF Method	RQ		Result	Unit	DF	MDL	Analyze	Sample	Receive
W030000672	B173V4	GPP	TRENT	14596-10-2	Americium-241	SOIL	LA-508-471	U		0.140	pCi/g	1.00	0.16	08/21/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	E,T,C	Am-241 by AEA Total Cntg Error	SOIL	LA-508-471		+-	0.11	pCi/g	1.00	0.0	08/21/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	16984-48-8	Fluoride	SOIL	LA-533-410	U	<	1.36	mg/kg	1.95e+002	1.4	08/12/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	16887-00-6	Chloride	SOIL	LA-533-410	B		4.67	mg/kg	1.95e+002	2.7	08/12/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	NO2-N	Nitrogen in Nitrite	SOIL	LA-533-410	U	<	1.76	mg/kg	1.95e+002	1.8	08/12/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	NO3-N	Nitrogen in Nitrate	SOIL	LA-533-410			247	mg/kg	1.95e+002	0.98	08/12/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	14265-44-2	Phosphate	SOIL	LA-533-410	U	<	2.54	mg/kg	1.95e+002	2.5	08/12/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	14808-79-8	Sulfate	SOIL	LA-533-410	U	<	4.68	mg/kg	1.95e+002	4.7	08/12/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	14596-10-2	Americium-241	SOIL	LA-508-462	U		0.105	pCi/g	1.00	0.47	08/11/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	E,T,C	Am-241 Rel Count Error (GEA)	SOIL	LA-508-462		+-	0.28	pCi/g	1.00	0.0	08/11/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	14234-35-6	Antimony-125	SOIL	LA-508-462			0.303	pCi/g	1.00	0.25	08/11/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	E,T,C	Sb-125 Rel. Count Error (GEA)	SOIL	LA-508-462		+-	0.23	pCi/g	1.00	0.0	08/11/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	14762-78-8	Cerium-144	SOIL	LA-508-462	U		0.0509	pCi/g	1.00	0.50	08/11/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	E,T,C	Ce-144 Rel. Count Error (GEA)	SOIL	LA-508-462		+-	0.29	pCi/g	1.00	0.0	08/11/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	10198-40-0	Cobalt-60	SOIL	LA-508-462			0.232	pCi/g	1.00	0.098	08/11/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	E,T,C	Co-60 Rel. Count Error (GEA)	SOIL	LA-508-462		+-	0.11	pCi/g	1.00	0.0	08/11/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	13967-70-9	Cesium-134	SOIL	LA-508-462	U		0.0753	pCi/g	1.00	0.11	08/11/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	E,T,C	Cs-134 Rel. Count Error (GEA)	SOIL	LA-508-462		+-	0.059	pCi/g	1.00	0.0	08/11/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	10045-97-3	Cesium-137	SOIL	LA-508-462			2.45	pCi/g	1.00	0.092	08/11/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	E,T,C	Cs-137 Rel. Count Error (GEA)	SOIL	LA-508-462		+-	0.41	pCi/g	1.00	0.0	08/11/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	14683-23-9	Europium-152	SOIL	LA-508-462	U		-0.0621	pCi/g	1.00	0.23	08/11/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	E,T,C	Eu-152 Rel. Count Error (GEA)	SOIL	LA-508-462		+-	0.16	pCi/g	1.00	0.0	08/11/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	15585-10-1	Europium-154	SOIL	LA-508-462	U		-0.0602	pCi/g	1.00	0.30	08/11/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	E,T,C	Eu-154 Rel. Count Error (GEA)	SOIL	LA-508-462		+-	0.18	pCi/g	1.00	0.0	08/11/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	14391-16-3	Europium-155	SOIL	LA-508-462	U		9.53e-03	pCi/g	1.00	0.26	08/11/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	E,T,C	Eu-155 Rel. Count Error (GEA)	SOIL	LA-508-462		+-	0.095	pCi/g	1.00	0.0	08/11/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	14681-63-1	Niobium-94	SOIL	LA-508-462	U		0.0502	pCi/g	1.00	0.086	08/11/03	07/31/03	08/04/03

MDL=Minimum Detection Limit
RQ=Result Qualifier

B - The analyte < the RDL but > = the IDL/MDL (inorganic)
E - Analyte is an estimate, has potentially larger errors
C - The Analyte was in the Sample and Blank, Sample < = 5 x Blank
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 #: WSCF20031045

Sample #	Client ID			CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W030000672	B173V4	GPP	TRENT	E,T,C	Nb-94 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.048	pCi/g	1.00	0.0	08/11/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	13982-63-3	Radium-226	SOIL	LA-508-462		0.696	pCi/g	1.00	0.18	08/11/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	E,T,C	Ra-226 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.24	pCi/g	1.00	0.0	08/11/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	15262-20-1	Radium-228	SOIL	LA-508-462		0.761	pCi/g	1.00	0.31	08/11/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	E,T,C	Ra-228 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.36	pCi/g	1.00	0.0	08/11/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	13967-48-1	Ruthenium-106	SOIL	LA-508-462	U	0.0145	pCi/g	1.00	0.80	08/11/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	E,T,C	Ru-106 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.14	pCi/g	1.00	0.0	08/11/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	15832-50-5	Tin-126	SOIL	LA-508-462	U	0.199	pCi/g	1.00	0.20	08/11/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	E,T,C	Sn-126 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.14	pCi/g	1.00	0.0	08/11/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	15065-10-8	Thorium-234	SOIL	LA-508-462	U	2.71	pCi/g	1.00	4.0	08/11/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	E,T,C	Th-234 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 1.6	pCi/g	1.00	0.0	08/11/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	15117-96-1	Uranium-235	SOIL	LA-508-462	U	0.102	pCi/g	1.00	0.52	08/11/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	E,T,C	U-235 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.11	pCi/g	1.00	0.0	08/11/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	13982-39-3	Zinc-65	SOIL	LA-508-462	U	-0.228	pCi/g	1.00	0.20	08/11/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	E,T,C	Zn-65 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.23	pCi/g	1.00	0.0	08/11/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	14331-83-0	Actinium-228	SOIL	LA-508-462		0.761	pCi/g	1.00	0.31	08/11/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	E,T,C	Ac-228 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.36	pCi/g	1.00	0.0	08/11/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	14913-49-6	Bismuth-212	SOIL	LA-508-462		1.02	pCi/g	1.00	0.67	08/11/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	E,T,C	Bi-212 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.47	pCi/g	1.00	0.0	08/11/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	14733-03-0	Bismuth-214	SOIL	LA-508-462		0.696	pCi/g	1.00	0.18	08/11/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	E,T,C	Bi-214 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.24	pCi/g	1.00	0.0	08/11/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	15092-94-1	Lead-212	SOIL	LA-508-462		0.664	pCi/g	1.00	0.14	08/11/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	E,T,C	Pb-212 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.16	pCi/g	1.00	0.0	08/11/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	15067-28-4	Lead-214	SOIL	LA-508-462		0.651	pCi/g	1.00	0.17	08/11/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	E,T,C	Pb-214 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.21	pCi/g	1.00	0.0	08/11/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	13968-53-1	Ruthenium-103	SOIL	LA-508-462	U	-0.0262	pCi/g	1.00	0.081	08/11/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	E,T,C	Ru-103 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.049	pCi/g	1.00	0.0	08/11/03	07/31/03	08/04/03

MDL = Minimum Detection Limit
RQ = Result Qualifier

B - The analyte < the RDL but > = the IDL/MDL (inorganic)
E - Analyte is an estimate, has potentially larger errors
C - The Analyte was in the Sample and Blank, Sample < = 5 x Blank
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 #: WSCF20031045

Sample #	Client ID			CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W030000672	B173V4	GPP	TRENT	13966-06-8	Tin-113	SOIL	LA-508-462	U	5.15e-03	pCi/g	1.00	0.11	08/11/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	E,T,C	Sn-113 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.052	pCi/g	1.00	0.0	08/11/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	14913-50-9	Thallium-208	SOIL	LA-508-462		0.228	pCi/g	1.00	0.090	08/11/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	E,T,C	Tl-208 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.096	pCi/g	1.00	0.0	08/11/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	7440-69-9	Bismuth	SOIL	LA-505-411	U	< 9.65	mg/kg	96.50	9.6	08/25/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	7440-42-8	Boron	SOIL	LA-505-411	U	< 9.84	mg/kg	96.50	9.8	08/25/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	7440-36-0	Antimony	SOIL	LA-505-412	EU	< 4.78	mg/kg	9.56	4.8	09/04/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	7440-38-2	Arsenic	SOIL	LA-505-412		6.20	mg/kg	9.56	2.9	09/04/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	7440-39-3	Barium	SOIL	LA-505-412		52.4	mg/kg	9.56	1.9	09/04/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	7440-41-7	Beryllium	SOIL	LA-505-412	U	< 2.87	mg/kg	9.56	2.9	09/04/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	7440-43-9	Cadmium	SOIL	LA-505-412	U	< 0.960	mg/kg	9.56	0.10	09/04/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	7440-47-3	Chromium	SOIL	LA-505-412		6.19	mg/kg	9.56	2.9	09/04/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	7440-50-8	Copper	SOIL	LA-505-412		10.4	mg/kg	9.56	4.8	09/04/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	7439-92-1	Lead	SOIL	LA-505-412	U	< 11.5	mg/kg	9.56	12	09/04/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	7440-02-0	Nickel	SOIL	LA-505-412		8.16	mg/kg	9.56	4.8	09/04/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	7782-49-2	Selenium	SOIL	LA-505-412	U	< 2.87	mg/kg	9.56	0.30	09/04/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	7440-22-4	Silver	SOIL	LA-505-412	EU	< 1.91	mg/kg	9.56	1.9	09/04/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	7440-61-1	Uranium	SOIL	LA-505-412		4.88	mg/kg	9.56	0.96	09/04/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	7439-97-6	Mercury	SOIL	LA-505-412	C	1.66	mg/kg	9.56	0.96	09/04/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	TPHGASOLINE	Total Pet. Hydrocarbons Gas	SOIL	NWTPH	U	< 250	ug/kg	1.00	2.5e+02	08/27/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	12674-11-2	Aroclor-1016	SOIL	LA-523-427	U	< 49.0	ug/kg	1.00	49	08/12/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	11104-28-2	Aroclor-1221	SOIL	LA-523-427	U	< 99.0	ug/kg	1.00	99	08/12/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	11141-16-5	Aroclor-1232	SOIL	LA-523-427	U	< 49.0	ug/kg	1.00	49	08/12/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	53469-21-9	Aroclor-1242	SOIL	LA-523-427	U	< 49.0	ug/kg	1.00	49	08/12/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	12672-29-6	Aroclor-1248	SOIL	LA-523-427	U	< 49.0	ug/kg	1.00	49	08/12/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	11097-69-1	Aroclor-1254	SOIL	LA-523-427	U	< 49.0	ug/kg	1.00	49	08/12/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	11096-82-5	Aroclor-1260	SOIL	LA-523-427	U	< 49.0	ug/kg	1.00	49	08/12/03	07/31/03	08/04/03

MDL=Minimum Detection Limit
RQ=Result Qualifier

B - The analyte < the RDL but > = the IDL/MDL (inorganic)
E - Analyte is an estimate, has potentially larger errors
C - The Analyte was in the Sample and Blank, Sample < = 5 x Blank
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 #: WSCF20031045

Sample #	Client ID			CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W030000672	B173V4	GPP	TRENT	37324-23-5	Aroclor-1262	SOIL	LA-523-427	U	< 49.0	ug/kg	1.00	49	08/12/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	11100-14-4	Aroclor-1268	SOIL	LA-523-427	U	< 49.0	ug/kg	1.00	49	08/12/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	13981-16-3	Plutonium-238	SOIL	LA-508-471	U	0.0430	pCi/g	1.00	0.077	08/21/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	E,T,C	Pu-238 by AEA Total Cntg Error	SOIL	LA-508-471		+- 0.052	pCi/g	1.00	0.0	08/21/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	PU-239/240	Pu-239/240 by AEA	SOIL	LA-508-471		0.380	pCi/g	1.00	0.040	08/21/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	E,T,C	Pu-239/240 AEA Total Cntg Err	SOIL	LA-508-471		+- 0.13	pCi/g	1.00	0.0	08/21/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	100-02-7	4-Nitrophenol	SOIL	LA-523-456	U	< 670	ug/kg	1.00	6.7e+02	08/13/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	106-46-7	1,4-Dichlorobenzene	SOIL	LA-523-456	U	< 320	ug/kg	1.00	3.2e+02	08/13/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	108-95-2	Phenol	SOIL	LA-523-456	U	< 100	ug/kg	1.00	1.0e+02	08/13/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	120-82-1	1,2,4-Trichlorobenzene	SOIL	LA-523-456	U	< 300	ug/kg	1.00	3.0e+02	08/13/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	121-14-2	2,4-Dinitrotoluene	SOIL	LA-523-456	U	< 69.0	ug/kg	1.00	69	08/13/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	129-00-0	Pyrene	SOIL	LA-523-456	U	< 69.0	ug/kg	1.00	69	08/13/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	59-50-7	4-Chloro-3-methylphenol	SOIL	LA-523-456	U	< 69.0	ug/kg	1.00	69	08/13/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	621-64-7	N-Nitrosodi-n-dipropylamine	SOIL	LA-523-456	U	< 69.0	ug/kg	1.00	69	08/13/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	83-32-9	Acenaphthene	SOIL	LA-523-456	U	< 69.0	ug/kg	1.00	69	08/13/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	87-86-5	Pentachlorophenol	SOIL	LA-523-456	U	< 310	ug/kg	1.00	3.1e+02	08/13/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	95-57-8	2-Chlorophenol	SOIL	LA-523-456	U	< 150	ug/kg	1.00	1.5e+02	08/13/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	100-01-6	4-Nitroaniline	SOIL	LA-523-456	U	< 260	ug/kg	1.00	2.6e+02	08/13/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	101-55-3	4-Bromophenylphenyl ether	SOIL	LA-523-456	U	< 69.0	ug/kg	1.00	69	08/13/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	105-67-9	2,4-Dimethylphenol	SOIL	LA-523-456	U	< 69.0	ug/kg	1.00	69	08/13/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	106-47-8	4-Chloroaniline	SOIL	LA-523-456	U	< 97.0	ug/kg	1.00	97	08/13/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	108-60-1	Bis(2-chloro-1-methylethyl)eth	SOIL	LA-523-456	U	< 260	ug/kg	1.00	2.6e+02	08/13/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	111-44-4	Bis(2-chloroethyl) ether	SOIL	LA-523-456	U	< 260	ug/kg	1.00	2.6e+02	08/13/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	111-91-1	Bis(2-Chloroethoxy)methane	SOIL	LA-523-456	U	< 120	ug/kg	1.00	1.2e+02	08/13/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	117-81-7	Bis(2-ethylhexyl) phthalate	SOIL	LA-523-456	U	< 580	ug/kg	1.00	5.8e+02	08/13/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	117-84-0	Di-n-octylphthalate	SOIL	LA-523-456	U	< 69.0	ug/kg	1.00	69	08/13/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	118-74-1	Hexachlorobenzene	SOIL	LA-523-456	U	< 69.0	ug/kg	1.00	69	08/13/03	07/31/03	08/04/03

MDL=Minimum Detection Limit
RQ=Result Qualifier

B - The analyte < the RDL but > = the IDL/MDL (inorganic)
E - Analyte is an estimate, has potentially larger errors
C - The Analyte was in the Sample and Blank, Sample < = 5 x Blank
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 #: WSCF20031045

Sample #	Client ID			CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W030000672	B173V4	GPP	TRENT	120-12-7	Anthracene	SOIL	LA-523-456	U	< 69.0	ug/kg	1.00	69	08/13/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	120-83-2	2,4-Dichlorophenol	SOIL	LA-523-456	U	< 83.0	ug/kg	1.00	83	08/13/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	131-11-3	Dimethyl phthalate	SOIL	LA-523-456	U	< 69.0	ug/kg	1.00	69	08/13/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	132-64-9	Dibenzofuran	SOIL	LA-523-456	U	< 69.0	ug/kg	1.00	69	08/13/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	191-24-2	Benzo(ghi)perylene	SOIL	LA-523-456	U	< 69.0	ug/kg	1.00	69	08/13/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	193-39-5	Indeno(1,2,3-cd)pyrene	SOIL	LA-523-456	U	< 69.0	ug/kg	1.00	69	08/13/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	205-99-2	Benzo(b)fluoranthene	SOIL	LA-523-456	U	< 69.0	ug/kg	1.00	69	08/13/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	206-44-0	Fluoranthene	SOIL	LA-523-456	U	< 69.0	ug/kg	1.00	69	08/13/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	207-08-9	Benzo(k)fluoranthene	SOIL	LA-523-456	U	< 69.0	ug/kg	1.00	69	08/13/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	208-96-8	Acenaphthylene	SOIL	LA-523-456	U	< 83.0	ug/kg	1.00	83	08/13/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	218-01-9	Chrysene	SOIL	LA-523-456	U	< 69.0	ug/kg	1.00	69	08/13/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	50-32-8	Benzo(a)pyrene	SOIL	LA-523-456	U	< 69.0	ug/kg	1.00	69	08/13/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	51-28-5	2,4-Dinitrophenol	SOIL	LA-523-456	U	< 690	ug/kg	1.00	6.9e+02	08/13/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	53-70-3	Dibenz[a,h]anthracene	SOIL	LA-523-456	U	< 69.0	ug/kg	1.00	69	08/13/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	534-52-1	4,6-Dinitro-2-methylphenol	SOIL	LA-523-456	U	< 690	ug/kg	1.00	6.9e+02	08/13/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	541-73-1	1,3-Dichlorobenzene	SOIL	LA-523-456	U	< 330	ug/kg	1.00	3.3e+02	08/13/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	56-55-3	Benzo(a)anthracene	SOIL	LA-523-456	U	< 69.0	ug/kg	1.00	69	08/13/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	606-20-2	2,6-Dinitrotoluene	SOIL	LA-523-456	U	< 69.0	ug/kg	1.00	69	08/13/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	7005-72-3	4-Chlorophenylphenyl ether	SOIL	LA-523-456	U	< 69.0	ug/kg	1.00	69	08/13/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	77-47-4	Hexachlorocyclopentadiene	SOIL	LA-523-456	U	< 320	ug/kg	1.00	3.2e+02	08/13/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	78-59-1	Isophorone	SOIL	LA-523-456	U	< 69.0	ug/kg	1.00	69	08/13/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	84-66-2	Diethylphthalate	SOIL	LA-523-456	U	< 190	ug/kg	1.00	1.9e+02	08/13/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	84-74-2	Di-n-butylphthalate	SOIL	LA-523-456	U	< 90.0	ug/kg	1.00	90	08/13/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	85-01-8	Phenanthrene	SOIL	LA-523-456	U	< 69.0	ug/kg	1.00	69	08/13/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	85-68-7	Butylbenzylphthalate	SOIL	LA-523-456	U	< 69.0	ug/kg	1.00	69	08/13/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	86-30-6	N-Nitrosodiphenylamine	SOIL	LA-523-456	U	< 69.0	ug/kg	1.00	69	08/13/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	86-73-7	Fluorene	SOIL	LA-523-456	U	< 69.0	ug/kg	1.00	69	08/13/03	07/31/03	08/04/03

MDL=Minimum Detection Limit
RQ=Result Qualifier

B - The analyte < the RDL but > = the IDL/MDL (inorganic)
E - Analyte is an estimate, has potentially larger errors
C - The Analyte was in the Sample and Blank, Sample < = 5 x Blank
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 #: WSCF20031045

Sample #	Client ID			CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W030000672	B173V4	GPP	TRENT	86-74-8	Carbazole	SOIL	LA-523-456	U	< 83.0	ug/kg	1.00	83	08/13/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	87-68-3	Hexachlorobutadiene	SOIL	LA-523-456	U	< 380	ug/kg	1.00	3.8e+02	08/13/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	88-74-4	2-Nitroaniline	SOIL	LA-523-456	U	< 69.0	ug/kg	1.00	69	08/13/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	88-75-5	2-Nitrophenol	SOIL	LA-523-456	U	< 180	ug/kg	1.00	1.8e+02	08/13/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	91-20-3	Naphthalene	SOIL	LA-523-456	U	< 300	ug/kg	1.00	3.0e+02	08/13/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	91-57-6	2-Methylnaphthalene	SOIL	LA-523-456	U	< 190	ug/kg	1.00	1.9e+02	08/13/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	91-58-7	2-Chloronaphthalene	SOIL	LA-523-456	U	< 69.0	ug/kg	1.00	69	08/13/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	91-94-1	3,3'-Dichlorobenzidine	SOIL	LA-523-456	U	< 83.0	ug/kg	1.00	83	08/13/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	95-48-7	2-Methylphenol (cresol, o-)	SOIL	LA-523-456	U	< 69.0	ug/kg	1.00	69	08/13/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	95-50-1	1,2-Dichlorobenzene	SOIL	LA-523-456	U	< 370	ug/kg	1.00	3.7e+02	08/13/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	95-95-4	2,4,5-Trichlorophenol	SOIL	LA-523-456	U	< 76.0	ug/kg	1.00	76	08/13/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	98-95-3	Nitrobenzene	SOIL	LA-523-456	U	< 270	ug/kg	1.00	2.7e+02	08/13/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	99-09-2	3-Nitroaniline	SOIL	LA-523-456	U	< 69.0	ug/kg	1.00	69	08/13/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	65794-96-9	3 & 4 Methylphenol Total	SOIL	LA-523-456	U	< 120	ug/kg	1.00	1.2e+02	08/13/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	67-72-1	Hexachloroethane	SOIL	LA-523-456	U	< 480	ug/kg	1.00	4.8e+02	08/13/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	88-06-2	2,4,6-Trichlorophenol	SOIL	LA-523-456	U	< 69.0	ug/kg	1.00	69	08/13/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	111-76-2	2-Butoxyethanol	SOIL	LA-523-456	U	< 100	ug/kg	1.00	1.0e+02	08/13/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	126-73-8	Tributyl phosphate	SOIL	LA-523-456	U	< 69.0	ug/kg	1.00	69	08/13/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	U-233/234	Uranium-233/234	SOIL	LA-508-471		1.40	pCi/g	1.00	0.013	08/21/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	E,T,C	U-233/234 AEA Total Cntg Error	SOIL	LA-508-471		+- 0.39	pCi/g	1.00	0.0	08/21/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	15117-96-1	Uranium-235	SOIL	LA-508-471		0.0820	pCi/g	1.00	0.014	08/21/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	E,T,C	U-235 by AEA Total Cntg Error	SOIL	LA-508-471		+- 0.046	pCi/g	1.00	0.0	08/21/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	U-238	Uranium-238	SOIL	LA-508-471		0.670	pCi/g	1.00	0.035	08/21/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	E,T,C	U-238 by AEA Total Cntg Error	SOIL	LA-508-471		+- 0.21	pCi/g	1.00	0.10	08/21/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	TPHDIESEL	Total Pet. Hydrocarbons Diesel	SOIL	NWTPH	U	< 3.90e+03	ug/kg	1.00	3.9e+03	08/08/03	07/31/03	08/04/03
W030000672	B173V4	GPP	TRENT	TPHKEROSENE	Kerosene	SOIL	NWTPH	U	< 3.90e+03	ug/kg	1.00	3.9e+03	08/08/03	07/31/03	08/04/03
W030000673	B173V5	GPP	TRENT	57-12-5	Cyanide	SOIL	LA-695-402	U	< 0.200	mg/kg	1.00	0.20	08/11/03	08/04/03	08/04/03

MDL=Minimum Detection Limit
RQ=Result Qualifier

B - The analyte < the RDL but > = the IDL/MDL (inorganic)
E - Analyte is an estimate, has potentially larger errors
C - The Analyte was in the Sample and Blank, Sample <= 5 x Blank
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 #: WSCF20031045

Sample #	Client ID			CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W030000673	B173V5	GPP	TRENT	NH4-N	Nitrogen in ammonium	SOIL	LA-503-401	B	1.34	mg/kg	1.97e+002	0.79	08/13/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	TS	Total solids	SOIL	LA-519-412		97.3	%	1.00	0.0	08/14/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	PH	pH Measurement	SOIL	LA-212-411		8.21	pH	1.00	0.010	08/14/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	60-29-7	Diethyl ether	SOIL	Organics	U	< 5.00e+03	ug/kg	1.00	5.0e+03	08/26/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	67-56-1	Methanol	SOIL	Organics	U	< 1.00e+03	ug/kg	1.00	1.0e+03	08/26/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	107-21-1	Ethylene glycol	SOIL	Organics	U	< 5.00e+03	ug/kg	1.00	5.0e+03	08/26/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	14596-10-2	Americium-241	SOIL	LA-508-471	U	4.10e-03	pCi/g	1.00	0.071	08/21/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	E,T,C	Am-241 by AEA Total Cntg Error	SOIL	LA-508-471		+- 0.040	pCi/g	1.00	0.0	08/21/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	16984-48-8	Fluoride	SOIL	LA-533-410	U	< 1.38	mg/kg	1.97e+002	1.4	08/12/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	16887-00-6	Chloride	SOIL	LA-533-410	B	8.58	mg/kg	1.97e+002	2.8	08/12/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	NO2-N	Nitrogen in Nitrite	SOIL	LA-533-410	U	< 1.77	mg/kg	1.97e+002	1.8	08/12/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	NO3-N	Nitrogen in Nitrate	SOIL	LA-533-410		73.1	mg/kg	1.97e+002	0.98	08/12/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	14265-44-2	Phosphate	SOIL	LA-533-410	U	< 2.56	mg/kg	1.97e+002	2.6	08/12/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	14808-79-8	Sulfate	SOIL	LA-533-410	U	< 4.73	mg/kg	1.97e+002	4.7	08/12/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	14596-10-2	Americium-241	SOIL	LA-508-462	U	-0.227	pCi/g	1.00	0.20	08/21/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	E,T,C	Am-241 Rel Count Error (GEA)	SOIL	LA-508-462		+- 0.23	pCi/g	1.00	0.0	08/21/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	14234-35-6	Antimony-125	SOIL	LA-508-462		0.129	pCi/g	1.00	0.074	08/21/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	E,T,C	Sb-125 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.074	pCi/g	1.00	0.0	08/21/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	14762-78-8	Cerium-144	SOIL	LA-508-462	U	-0.153	pCi/g	1.00	0.16	08/21/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	E,T,C	Ce-144 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.15	pCi/g	1.00	0.0	08/21/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	10198-40-0	Cobalt-60	SOIL	LA-508-462		0.0817	pCi/g	1.00	0.029	08/21/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	E,T,C	Co-60 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.029	pCi/g	1.00	0.0	08/21/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	13967-70-9	Cesium-134	SOIL	LA-508-462	U	0.0315	pCi/g	1.00	0.032	08/21/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	E,T,C	Cs-134 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.020	pCi/g	1.00	0.0	08/21/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	10045-97-3	Cesium-137	SOIL	LA-508-462		0.0638	pCi/g	1.00	0.025	08/21/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	E,T,C	Cs-137 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.036	pCi/g	1.00	0.0	08/21/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	14683-23-9	Europium-152	SOIL	LA-508-462	U	0.0402	pCi/g	1.00	0.066	08/21/03	08/04/03	08/04/03

MDL=Minimum Detection Limit
RQ=Result Qualifier

B - The analyte < the RDL but > = the IDL/MDL (inorganic)
E - Analyte is an estimate, has potentially larger errors
C - The Analyte was in the Sample and Blank. Sample < = 5 x Blank
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 #: WSCF20031045

Sample #	Client ID			CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W030000673	B173V5	GPP	TRENT	E,T,C	Eu-152 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.070	pCi/g	1.00	0.0	08/21/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	15585-10-1	Europium-154	SOIL	LA-508-462	U	-0.0539	pCi/g	1.00	0.088	08/21/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	E,T,C	Eu-154 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.055	pCi/g	1.00	0.0	08/21/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	14391-16-3	Europium-155	SOIL	LA-508-462	U	-0.0305	pCi/g	1.00	0.091	08/21/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	E,T,C	Eu-155 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.055	pCi/g	1.00	0.0	08/21/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	14681-63-1	Niobium-94	SOIL	LA-508-462	U	-6.69e-03	pCi/g	1.00	0.024	08/21/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	E,T,C	Nb-94 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.014	pCi/g	1.00	0.0	08/21/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	13982-63-3	Radium-226	SOIL	LA-508-462		0.455	pCi/g	1.00	0.051	08/21/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	E,T,C	Ra-226 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.076	pCi/g	1.00	0.0	08/21/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	15262-20-1	Radium-228	SOIL	LA-508-462		0.704	pCi/g	1.00	0.090	08/21/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	E,T,C	Ra-228 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.15	pCi/g	1.00	0.0	08/21/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	13967-48-1	Ruthenium-106	SOIL	LA-508-462	U	-0.0798	pCi/g	1.00	0.22	08/21/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	E,T,C	Ru-106 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.13	pCi/g	1.00	0.0	08/21/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	15832-50-5	Tin-126	SOIL	LA-508-462	U	0.238	pCi/g	1.00	0.24	08/21/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	E,T,C	Sn-126 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.088	pCi/g	1.00	0.0	08/21/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	15065-10-8	Thorium-234	SOIL	LA-508-462	U	1.05	pCi/g	1.00	1.6	08/21/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	E,T,C	Th-234 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.53	pCi/g	1.00	0.0	08/21/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	15117-96-1	Uranium-235	SOIL	LA-508-462	U	0.0729	pCi/g	1.00	0.17	08/21/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	E,T,C	U-235 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.037	pCi/g	1.00	0.0	08/21/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	13982-39-3	Zinc-65	SOIL	LA-508-462	U	9.09e-06	pCi/g	1.00	0.067	08/21/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	E,T,C	Zn-65 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 9.1e-05	pCi/g	1.00	0.0	08/21/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	14331-83-0	Actinium-228	SOIL	LA-508-462		0.704	pCi/g	1.00	0.090	08/21/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	E,T,C	Ac-228 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.15	pCi/g	1.00	0.0	08/21/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	14913-49-6	Bismuth-212	SOIL	LA-508-462		0.500	pCi/g	1.00	0.20	08/21/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	E,T,C	Bi-212 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.20	pCi/g	1.00	0.0	08/21/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	14733-03-0	Bismuth-214	SOIL	LA-508-462		0.455	pCi/g	1.00	0.051	08/21/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	E,T,C	Bi-214 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.076	pCi/g	1.00	0.0	08/21/03	08/04/03	08/04/03

MDL=Minimum Detection Limit
RQ=Result Qualifier

B - The analyte < the RDL but > = the IDL/MDL (inorganic)
E - Analyte is an estimate, has potentially larger errors
C - The Analyte was in the Sample and Blank, Sample < = 5 x Blank
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 #: WSCF20031045

Sample #	Client ID			CAS #	Test Performed	Matrix	WSCF Method	RQ		Result	Unit	DF	MDL	Analyze	Sample	Receive
W030000673	B173V5	GPP	TRENT	15092-94-1	Lead-212	SOIL	LA-508-462			0.720	pCi/g	1.00	0.042	08/21/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	E,T,C	Pb-212 Rel. Count Error (GEA)	SOIL	LA-508-462		+-	0.071	pCi/g	1.00	0.0	08/21/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	15067-28-4	Lead-214	SOIL	LA-508-462			0.515	pCi/g	1.00	0.048	08/21/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	E,T,C	Pb-214 Rel. Count Error (GEA)	SOIL	LA-508-462		+-	0.079	pCi/g	1.00	0.0	08/21/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	13968-53-1	Ruthenium-103	SOIL	LA-508-462	U		3.21e-03	pCi/g	1.00	0.025	08/21/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	E,T,C	Ru-103 Rel. Count Error (GEA)	SOIL	LA-508-462		+-	0.015	pCi/g	1.00	0.0	08/21/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	13966-06-8	Tin-113	SOIL	LA-508-462	U		5.25e-03	pCi/g	1.00	0.030	08/21/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	E,T,C	Sn-113 Rel. Count Error (GEA)	SOIL	LA-508-462		+-	0.018	pCi/g	1.00	0.0	08/21/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	14913-50-9	Thallium-208	SOIL	LA-508-462			0.233	pCi/g	1.00	0.023	08/21/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	E,T,C	Tl-208 Rel. Count Error (GEA)	SOIL	LA-508-462		+-	0.041	pCi/g	1.00	0.0	08/21/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	7440-69-9	Bismuth	SOIL	LA-505-411	U	<	9.28	mg/kg	92.80	9.3	08/25/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	7440-42-8	Boron	SOIL	LA-505-411	U	<	9.47	mg/kg	92.80	9.5	08/25/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	7440-36-0	Antimony	SOIL	LA-505-412	EU	<	4.68	mg/kg	9.36	4.7	09/04/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	7440-38-2	Arsenic	SOIL	LA-505-412			5.92	mg/kg	9.36	2.8	09/04/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	7440-39-3	Barium	SOIL	LA-505-412			78.0	mg/kg	9.36	1.9	09/04/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	7440-41-7	Beryllium	SOIL	LA-505-412	U	<	2.81	mg/kg	9.36	2.8	09/04/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	7440-43-9	Cadmium	SOIL	LA-505-412	U	<	0.940	mg/kg	9.36	0.10	09/04/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	7440-47-3	Chromium	SOIL	LA-505-412			8.12	mg/kg	9.36	2.8	09/04/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	7440-50-8	Copper	SOIL	LA-505-412			9.58	mg/kg	9.36	4.7	09/04/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	7439-92-1	Lead	SOIL	LA-505-412	U	<	11.2	mg/kg	9.36	11	09/04/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	7440-02-0	Nickel	SOIL	LA-505-412			13.1	mg/kg	9.36	4.7	09/04/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	7782-49-2	Selenium	SOIL	LA-505-412	U	<	2.81	mg/kg	9.36	0.30	09/04/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	7440-22-4	Silver	SOIL	LA-505-412	EU	<	1.87	mg/kg	9.36	1.9	09/04/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	7440-61-1	Uranium	SOIL	LA-505-412			1.23	mg/kg	9.36	0.94	09/04/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	7439-97-6	Mercury	SOIL	LA-505-412	C		1.31	mg/kg	9.36	0.94	09/04/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	TPHGASOLINE	Total Pet. Hydrocarbons Gas	SOIL	NWTPH	U	<	100	ug/kg	1.00	1.0e+02	08/27/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	12674-11-2	Aroclor-1016	SOIL	LA-523-427	U	<	47.0	ug/kg	1.00	47	08/12/03	08/04/03	08/04/03

MDL=Minimum Detection Limit
RQ=Result Qualifier

B - The analyte < the RDL but > = the IDL/MDL (inorganic)
E - Analyte is an estimate, has potentially larger errors
C - The Analyte was in the Sample and Blank, Sample < = 5 x Blank
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 #: WSCF20031045

Sample #	Client ID			CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W030000673	B173V5	GPP	TRENT	11104-28-2	Aroclor-1221	SOIL	LA-523-427	U	< 93.0	ug/kg	1.00	93	08/12/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	11141-16-5	Aroclor-1232	SOIL	LA-523-427	U	< 47.0	ug/kg	1.00	47	08/12/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	53469-21-9	Aroclor-1242	SOIL	LA-523-427	U	< 47.0	ug/kg	1.00	47	08/12/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	12672-29-6	Aroclor-1248	SOIL	LA-523-427	U	< 47.0	ug/kg	1.00	47	08/12/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	11097-69-1	Aroclor-1254	SOIL	LA-523-427	U	< 47.0	ug/kg	1.00	47	08/12/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	11096-82-5	Aroclor-1260	SOIL	LA-523-427	U	< 47.0	ug/kg	1.00	47	08/12/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	37324-23-5	Aroclor-1262	SOIL	LA-523-427	U	< 47.0	ug/kg	1.00	47	08/12/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	11100-14-4	Aroclor-1268	SOIL	LA-523-427	U	< 47.0	ug/kg	1.00	47	08/12/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	13981-16-3	Plutonium-238	SOIL	LA-508-471	U	6.70e-03	pCi/g	1.00	0.034	08/21/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	E,T,C	Pu-238 by AEA Total Cntg Error	SOIL	LA-508-471		+- 0.019	pCi/g	1.00	0.0	08/21/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	PU-239/240	Pu-239/240 by AEA	SOIL	LA-508-471	U	0.0160	pCi/g	1.00	0.021	08/21/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	E,T,C	Pu-239/240 AEA Total Cntg Err	SOIL	LA-508-471		+- 0.016	pCi/g	1.00	0.0	08/21/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	100-02-7	4-Nitrophenol	SOIL	LA-523-456	U	< 660	ug/kg	1.00	6.6e+02	08/13/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	106-46-7	1,4-Dichlorobenzene	SOIL	LA-523-456	U	< 320	ug/kg	1.00	3.2e+02	08/13/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	108-95-2	Phenol	SOIL	LA-523-456	U	< 100	ug/kg	1.00	1.0e+02	08/13/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	120-82-1	1,2,4-Trichlorobenzene	SOIL	LA-523-456	U	< 300	ug/kg	1.00	3.0e+02	08/13/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	121-14-2	2,4-Dinitrotoluene	SOIL	LA-523-456	U	< 68.0	ug/kg	1.00	68	08/13/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	129-00-0	Pyrene	SOIL	LA-523-456	U	< 68.0	ug/kg	1.00	68	08/13/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	59-50-7	4-Chloro-3-methylphenol	SOIL	LA-523-456	U	< 68.0	ug/kg	1.00	68	08/13/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	621-64-7	N-Nitrosodi-n-dipropylamine	SOIL	LA-523-456	U	< 68.0	ug/kg	1.00	68	08/13/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	83-32-9	Acenaphthene	SOIL	LA-523-456	U	< 68.0	ug/kg	1.00	68	08/13/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	87-86-5	Pentachlorophenol	SOIL	LA-523-456	U	< 310	ug/kg	1.00	3.1e+02	08/13/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	95-57-8	2-Chlorophenol	SOIL	LA-523-456	U	< 150	ug/kg	1.00	1.5e+02	08/13/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	100-01-6	4-Nitroaniline	SOIL	LA-523-456	U	< 250	ug/kg	1.00	2.5e+02	08/13/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	101-55-3	4-Bromophenylphenyl ether	SOIL	LA-523-456	U	< 68.0	ug/kg	1.00	68	08/13/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	105-67-9	2,4-Dimethylphenol	SOIL	LA-523-456	U	< 68.0	ug/kg	1.00	68	08/13/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	106-47-8	4-Chloroaniline	SOIL	LA-523-456	U	< 96.0	ug/kg	1.00	96	08/13/03	08/04/03	08/04/03

MDL=Minimum Detection Limit
RQ=Result Qualifier

B - The analyte < the RDL but >= the IDL/MDL (inorganic)
E - Analyte is an estimate, has potentially larger errors
C - The Analyte was in the Sample and Blank, Sample <= 5 x Blank
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 #: WSCF20031045

Sample #	Client ID			CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W030000673	B173V5	GPP	TRENT	108-60-1	Bis(2-chloro-1-methylethyl)eth	SOIL	LA-523-456	U	< 260	ug/kg	1.00	2.6e+02	08/13/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	111-44-4	Bis(2-chloroethyl) ether	SOIL	LA-523-456	U	< 250	ug/kg	1.00	2.5e+02	08/13/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	111-91-1	Bis(2-Chloroethoxy)methane	SOIL	LA-523-456	U	< 120	ug/kg	1.00	1.2e+02	08/13/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	117-81-7	Bis(2-ethylhexyl) phthalate	SOIL	LA-523-456	U	< 570	ug/kg	1.00	5.7e+02	08/13/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	117-84-0	Di-n-octylphthalate	SOIL	LA-523-456	U	< 68.0	ug/kg	1.00	68	08/13/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	118-74-1	Hexachlorobenzene	SOIL	LA-523-456	U	< 68.0	ug/kg	1.00	68	08/13/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	120-12-7	Anthracene	SOIL	LA-523-456	U	< 68.0	ug/kg	1.00	68	08/13/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	120-83-2	2,4-Dichlorophenol	SOIL	LA-523-456	U	< 82.0	ug/kg	1.00	82	08/13/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	131-11-3	Dimethyl phthalate	SOIL	LA-523-456	U	< 68.0	ug/kg	1.00	68	08/13/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	132-64-9	Dibenzofuran	SOIL	LA-523-456	U	< 68.0	ug/kg	1.00	68	08/13/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	191-24-2	Benzo(ghi)perylene	SOIL	LA-523-456	U	< 68.0	ug/kg	1.00	68	08/13/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	193-39-5	Indeno(1,2,3-cd)pyrene	SOIL	LA-523-456	U	< 68.0	ug/kg	1.00	68	08/13/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	205-99-2	Benzo(b)fluoranthene	SOIL	LA-523-456	U	< 68.0	ug/kg	1.00	68	08/13/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	206-44-0	Fluoranthene	SOIL	LA-523-456	U	< 68.0	ug/kg	1.00	68	08/13/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	207-08-9	Benzo(k)fluoranthene	SOIL	LA-523-456	U	< 68.0	ug/kg	1.00	68	08/13/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	208-96-8	Acenaphthylene	SOIL	LA-523-456	U	< 82.0	ug/kg	1.00	82	08/13/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	218-01-9	Chrysene	SOIL	LA-523-456	U	< 68.0	ug/kg	1.00	68	08/13/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	50-32-8	Benzo(a)pyrene	SOIL	LA-523-456	U	< 68.0	ug/kg	1.00	68	08/13/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	51-28-5	2,4-Dinitrophenol	SOIL	LA-523-456	U	< 680	ug/kg	1.00	6.8e+02	08/13/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	53-70-3	Dibenz(a,h)anthracene	SOIL	LA-523-456	U	< 68.0	ug/kg	1.00	68	08/13/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	534-52-1	4,6-Dinitro-2-methylphenol	SOIL	LA-523-456	U	< 680	ug/kg	1.00	6.8e+02	08/13/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	541-73-1	1,3-Dichlorobenzene	SOIL	LA-523-456	U	< 330	ug/kg	1.00	3.3e+02	08/13/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	56-55-3	Benzo(a)anthracene	SOIL	LA-523-456	U	< 68.0	ug/kg	1.00	68	08/13/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	606-20-2	2,6-Dinitrotoluene	SOIL	LA-523-456	U	< 68.0	ug/kg	1.00	68	08/13/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	7005-72-3	4-Chlorophenylphenyl ether	SOIL	LA-523-456	U	< 68.0	ug/kg	1.00	68	08/13/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	77-47-4	Hexachlorocyclopentadiene	SOIL	LA-523-456	U	< 320	ug/kg	1.00	3.2e+02	08/13/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	78-59-1	Isophorone	SOIL	LA-523-456	U	< 68.0	ug/kg	1.00	68	08/13/03	08/04/03	08/04/03

MDL=Minimum Detection Limit
RQ=Result Qualifier

B - The analyte < the RDL but > = the IDL/MDL (inorganic)
E - Analyte is an estimate, has potentially larger errors
C - The Analyte was in the Sample and Blank, Sample < = 5 x Blank
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 #: WSCF20031045

Sample #	Client ID			CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W030000673	B173V5	GPP	TRENT	84-66-2	Diethylphthalate	SOIL	LA-523-456	U	< 190	ug/kg	1.00	1.9e+02	08/13/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	84-74-2	Di-n-butylphthalate	SOIL	LA-523-456	U	< 89.0	ug/kg	1.00	89	08/13/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	85-01-8	Phenanthrene	SOIL	LA-523-456	U	< 68.0	ug/kg	1.00	68	08/13/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	85-68-7	Butylbenzylphthalate	SOIL	LA-523-456	U	< 68.0	ug/kg	1.00	68	08/13/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	86-30-6	N-Nitrosodiphenylamine	SOIL	LA-523-456	U	< 68.0	ug/kg	1.00	68	08/13/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	86-73-7	Fluorene	SOIL	LA-523-456	U	< 68.0	ug/kg	1.00	68	08/13/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	86-74-8	Carbazole	SOIL	LA-523-456	U	< 82.0	ug/kg	1.00	82	08/13/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	87-68-3	Hexachlorobutadiene	SOIL	LA-523-456	U	< 380	ug/kg	1.00	3.8e+02	08/13/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	88-74-4	2-Nitroaniline	SOIL	LA-523-456	U	< 68.0	ug/kg	1.00	68	08/13/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	88-75-5	2-Nitrophenol	SOIL	LA-523-456	U	< 180	ug/kg	1.00	1.8e+02	08/13/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	91-20-3	Naphthalene	SOIL	LA-523-456	U	< 290	ug/kg	1.00	2.9e+02	08/13/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	91-57-6	2-Methylnaphthalene	SOIL	LA-523-456	U	< 180	ug/kg	1.00	1.8e+02	08/13/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	91-58-7	2-Chloronaphthalene	SOIL	LA-523-456	U	< 68.0	ug/kg	1.00	68	08/13/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	91-94-1	3,3'-Dichlorobenzidine	SOIL	LA-523-456	U	< 82.0	ug/kg	1.00	82	08/13/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	95-48-7	2-Methylphenol (cresol, o-)	SOIL	LA-523-456	U	< 68.0	ug/kg	1.00	68	08/13/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	95-50-1	1,2-Dichlorobenzene	SOIL	LA-523-456	U	< 370	ug/kg	1.00	3.7e+02	08/13/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	95-95-4	2,4,5-Trichlorophenol	SOIL	LA-523-456	U	< 75.0	ug/kg	1.00	75	08/13/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	98-95-3	Nitrobenzene	SOIL	LA-523-456	U	< 270	ug/kg	1.00	2.7e+02	08/13/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	99-09-2	3-Nitroaniline	SOIL	LA-523-456	U	< 68.0	ug/kg	1.00	68	08/13/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	65794-96-9	3 & 4 Methylphenol Total	SOIL	LA-523-456	U	< 120	ug/kg	1.00	1.2e+02	08/13/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	67-72-1	Hexachloroethane	SOIL	LA-523-456	U	< 480	ug/kg	1.00	4.8e+02	08/13/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	88-06-2	2,4,6-Trichlorophenol	SOIL	LA-523-456	U	< 68.0	ug/kg	1.00	68	08/13/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	111-76-2	2-Butoxyethanol	SOIL	LA-523-456	U	< 100	ug/kg	1.00	1.0e+02	08/13/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	126-73-8	Tributyl phosphate	SOIL	LA-523-456	U	< 68.0	ug/kg	1.00	68	08/13/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	U-233/234	Uranium-233/234	SOIL	LA-508-471		0.300	pCi/g	1.00	0.014	08/21/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	E.T.C	U-233/234 AEA Total Cntg Error	SOIL	LA-508-471		+- 0.090	pCi/g	1.00	0.0	08/21/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	15117-96-1	Uranium-235	SOIL	LA-508-471		0.0330	pCi/g	1.00	5.6e-03	08/21/03	08/04/03	08/04/03

MDL=Minimum Detection Limit
RQ=Result Qualifier

B - The analyte < the RDL but > = the IDL/MDL (inorganic)
E - Analyte is an estimate, has potentially larger errors
C - The Analyte was in the Sample and Blank, Sample < = 5 x Blank
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 #: WSCF20031045

Sample #	Client ID			CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W030000673	B173V5	GPP	TRENT	E,T,C	U-235 by AEA Total Cntg Error	SOIL	LA-508-471		+- 0.018	pCi/g	1.00	0.0	08/21/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	U-238	Uranium-238	SOIL	LA-508-471		0.240	pCi/g	1.00	0.014	08/21/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	E,T,C	U-238 by AEA Total Cntg Error	SOIL	LA-508-471		+- 0.074	pCi/g	1.00	0.10	08/21/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	TPHDIESEL	Total Pet. Hydrocarbons Diesel	SOIL	NWTPH	U	< 3.80e+03	ug/kg	1.00	3.8e+03	08/08/03	08/04/03	08/04/03
W030000673	B173V5	GPP	TRENT	TPHKEROSENE	Kerosene	SOIL	NWTPH	U	< 3.80e+03	ug/kg	1.00	3.8e+03	08/08/03	08/04/03	08/04/03

MDL=Minimum Detection Limit
RQ=Result Qualifier

B - The analyte < the RDL but > = the IDL/MDL (inorganic)
E - Analyte is an estimate, has potentially larger errors
C - The Analyte was in the Sample and Blank, Sample < = 5 x Blank
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 COMMENT REPORT

2 - 25

Attention: Steve Trent
Project Number F03-006

Group #: WSCF20031045

Sample #	Client ID	Lab Area	Test	Comment
		VALGROUP		IC: "B" Qualifier - Chloride and Sulfate detected above MDL but below lowest calibration standard -wwb NH4-IC "B" Qualifier detected above MDL but below lowest calibration standard -jmv SVOA: Sample extracts in this group were Wet and they had to be filtered twice inorder to remove water before analysis. W030000671 had surrogate Nitrobenzene-d5 out at 52.8% and sample W030000672 had surrogates Phenol-d5 out at 47.8% and nitrobenzene-d5 out at 40.9%. The LCS, Blank,MS and MSD were all good. all results were reported on a dry weight basis. den PCB: Sample W030000670 (B173V2) was too radioactive for moisture analysis. Results are reported on an "as received" wet weight basis for that sample.gar PCB: Late entry for LCS which was lost in original upload. Corresponding LCS was uploaded 12/09/03 to complete the batch QC which was missing in the previous release. cgc W030000670 for Pu/AM and the U ISO Tests had poor RPD. RPD does not apply to low level samples. NWTPH-GX: LCS low at 81.2% all other QC good though.gar ICP-AES: Bismuth LCS recoveries were low,(57%);however, spike recoveries were within acceptable limits. The sample results of less than detectable is valid with no qualifiers required -wwb ICP-MS: Estimated silver results due to low

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

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

WSCF
ANALYTICAL COMMENT REPORT

Attention: Steve Trent
Project Number F03-006

Group #: WSCF20031045

Sample #	Client ID			Lab Area	Test	Comment
						spike recoveries. High silver and antimony LCS recoveries but no flags issued because they were within manufacturers specifications. High silver preparation blank but no flag issued because sample result was not detected. Mercury flag assumes dilution applied to sample and blank. Cyanide: LCS is slightly biased low at 84.8%. However, the matrix spikes and other QC was acceptable and the sample result (less than detectable) is valid. -wwb 9/5/2003
W030000670	B173V2	GPP	TRENT	VALTEST	pH Soil and Waste Measurement	pH: used 1 gram (20 grams called for by procedure)
W030000671	B173V3	GPP	TRENT	VALTEST	pH Soil and Waste Measurement	pH: used 5 grams (20 grams called for by procedure) -wb
W030000672	B173V4	GPP	TRENT	VALTEST	pH Soil and Waste Measurement	pH: 10 grams used (20 grams called for by procedure) -wb

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

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

WSCF
TENTATIVELY IDENTIFIED PEAK REPORT

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

Group #: WSCF20031045

Sample #	Client ID			Test Name	Peak Name	CAS#	RT	RQ	Result	Units
W030000670	B173V2	GPP	TRENT	Gamma Energy Analysis-grd H2O	K-40 Count Error				15	%
W030000670	B173V2	GPP	TRENT	Gamma Energy Analysis-grd H2O	K-40				25	pCi/g
W030000671	B173V3	GPP	TRENT	Gamma Energy Analysis-grd H2O	K-40 Count Error				14	%
W030000671	B173V3	GPP	TRENT	Gamma Energy Analysis-grd H2O	K-40				22	pCi/g
W030000671	B173V3	GPP	TRENT	SW-846 8270B Semi-Vols	SMP 6.274 1,2,4-Trithiolane	289-16-7	6.2747	J	1.3e+02	ug/kg
W030000672	B173V4	GPP	TRENT	Gamma Energy Analysis-grd H2O	K-40 Count Error				14	%
W030000672	B173V4	GPP	TRENT	Gamma Energy Analysis-grd H2O	K-40				23	pCi/g
W030000672	B173V4	GPP	TRENT	SW-846 8270B Semi-Vols	SMP 5.161 Unknown	Unknown	5.16165	BJ	1.4e+02	ug/kg
W030000673	B173V5	GPP	TRENT	Gamma Energy Analysis-grd H2O	K-40				21	pCi/g
W030000673	B173V5	GPP	TRENT	Gamma Energy Analysis-grd H2O	K-40 Count Error				6.9	%
W030000673	B173V5	GPP	TRENT	SW-846 8270B Semi-Vols	SMP 5.124 Unknown	Unknown	5.124433	BJ	3.3e+02	ug/kg

RQ=Result Qualifier B - The analyte < the RDL but > = the IDL/MDL (inorganic) J - Estimated Value

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

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-508-462	Gamma Energy Analysis -- the Genie System -- WSCF	
	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-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
LA-523-427	LA-523-427: POLYCHLORINATED BIPHENYLS (PCBs) BY GAS CHROMATOGRAPHY	
	EPA SW-846 3510C	SEPARATORY FUNNEL LIQUID-LIQUID EXTRACTION
	EPA SW-846 3545	PRESSURIZED FLUID EXTRACTION (PFE)

Note: A complete list of WSCF analytical procedures and referenced regulatory or industry methods is available online at http://apweb02/asponlinedocs/wscf/sample%20mgmt/ProcedureMethodCrossReference.pdf. This document includes on-line links to full-text versions of the procedures and methods, where available.

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.

	EPA SW-846 3665A	SULFURIC ACID/PERMANGANATE CLEANUP
	EPA SW-846 8000B	DETERMINATIVE CHROMATOGRAPHIC SEPARATIONS
	EPA SW-846 8082	POLYCHLORINATED BIPHENYLS (PCBs) BY GAS CHROMATOGRAPHY
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
Organics	Organics - Alcohols, Glycols	
	EPA SW-846 8015B	Nonhalogenated Organics Using GC/FID

Note: A complete list of WSCF analytical procedures and referenced regulatory or industry methods is available online at http://apweb02/asponlinedocs/wscf/sample%20mgmt/ProcedureMethodCrossReference.pdf. This document includes on-line links to full-text versions of the procedures and methods, where available.

w13qlog v1 22-dec-2003 11:43:39

W13q Worklist/Batch/QC Report for Group# WSCF20031045

WL#	S#	Batch	QC#	Tray Type	Sample#	Test
				SAMPLE	W030000671	Percent Solids
				SAMPLE	W030000672	Percent Solids
				SAMPLE	W030000673	Percent Solids
				SAMPLE	W030000670	pH Soil and Waste Measurement
				SAMPLE	W030000671	pH Soil and Waste Measurement
				SAMPLE	W030000672	pH Soil and Waste Measurement
				SAMPLE	W030000673	pH Soil and Waste Measurement
			23203	BLANK		WTPH-D TPH Diesel Range (Wa)
			23203	LCS		WTPH-D TPH Diesel Range (Wa)
			23203	MS	W030000671	WTPH-D TPH Diesel Range (Wa)
			23203	MSD	W030000671	WTPH-D TPH Diesel Range (Wa)
			23203	SAMPLE	W030000671	WTPH-D TPH Diesel Range (Wa)
			23203	SPK-RPD	W030000671	WTPH-D TPH Diesel Range (Wa)
			23203	SURR	W030000671	WTPH-D TPH Diesel Range (Wa)
			23203	SAMPLE	W030000672	WTPH-D TPH Diesel Range (Wa)
			23203	SURR	W030000672	WTPH-D TPH Diesel Range (Wa)
			23203	SAMPLE	W030000673	WTPH-D TPH Diesel Range (Wa)
			23203	SURR	W030000673	WTPH-D TPH Diesel Range (Wa)
			23203	DUP	W03Q000077	WTPH-D TPH Diesel Range (Wa)
			23212	LCS		PCBs complete list
			23212	SAMPLE	W030000670	PCBs complete list
			23212	SURR	W030000670	PCBs complete list
			23212	SAMPLE	W030000671	PCBs complete list
			23212	SURR	W030000671	PCBs complete list
			23212	SAMPLE	W030000672	PCBs complete list
			23212	SURR	W030000672	PCBs complete list
			23212	MS	W030000673	PCBs complete list
			23212	MSD	W030000673	PCBs complete list
			23212	SAMPLE	W030000673	PCBs complete list
			23212	SPK-RPD	W030000673	PCBs complete list
			23212	SURR	W030000673	PCBs complete list
			23212	DUP	W03Q000079	PCBs complete list
			23225	BLANK		Cyanide by Midi/Spectrophotom
			23225	BLNK-PREP		Cyanide by Midi/Spectrophotom
			23225	LCS		Cyanide by Midi/Spectrophotom
			23225	LCS-2		Cyanide by Midi/Spectrophotom
			23225	SAMPLE	W030000670	Cyanide by Midi/Spectrophotom
			23225	DUP	W030000671	Cyanide by Midi/Spectrophotom
			23225	MS	W030000671	Cyanide by Midi/Spectrophotom
			23225	MSD	W030000671	Cyanide by Midi/Spectrophotom
			23225	SAMPLE	W030000671	Cyanide by Midi/Spectrophotom
			23225	SPK-RPD	W030000671	Cyanide by Midi/Spectrophotom
			23225	SAMPLE	W030000672	Cyanide by Midi/Spectrophotom
			23225	SAMPLE	W030000673	Cyanide by Midi/Spectrophotom
20086	2	20470	23250	BLANK		Anions by Ion Chromatography
20086	11	20470	23250	BLANK		Anions by Ion Chromatography
20086	3	20470	23250	LCS		Anions by Ion Chromatography
20086	4	20470	23250	SAMPLE	W030000670	Anions by Ion Chromatography
20086	6	20470	23250	DUP	W030000671	Anions by Ion Chromatography
20086	7	20470	23250	MS	W030000671	Anions by Ion Chromatography

20086	8	20470	23250	MSD	W030000671	Anions by Ion Chromatography
20086	5	20470	23250	SAMPLE	W030000671	Anions by Ion Chromatography
20086	9	20470	23250	SAMPLE	W030000672	Anions by Ion Chromatography
20086	10	20470	23250	SAMPLE	W030000673	Anions by Ion Chromatography
20087	3	20472	23258	BLNK-PREP		Ammonia (N) by IC
20087	11	20472	23258	BLNK-PREP		Ammonia (N) by IC
20087	1	20472	23258	LCS		Ammonia (N) by IC
20087	8	20472	23258	SAMPLE	W030000670	Ammonia (N) by IC
20087	5	20472	23258	DUP	W030000671	Ammonia (N) by IC
20087	6	20472	23258	MS	W030000671	Ammonia (N) by IC
20087	7	20472	23258	MSD	W030000671	Ammonia (N) by IC
20087	4	20472	23258	SAMPLE	W030000671	Ammonia (N) by IC
20087	9	20472	23258	SAMPLE	W030000672	Ammonia (N) by IC
20087	10	20472	23258	SAMPLE	W030000673	Ammonia (N) by IC
20053	1	20438	23272	SAMPLE	W030000670	Gamma Energy Analysis-grd H2O
			23298	BLANK		SW-846 8270B Semi-Vols
			23298	LCS		SW-846 8270B Semi-Vols
			23298	SAMPLE	W030000671	SW-846 8270B Semi-Vols
			23298	SURR	W030000671	SW-846 8270B Semi-Vols
			23298	MS	W030000672	SW-846 8270B Semi-Vols
			23298	MSD	W030000672	SW-846 8270B Semi-Vols
			23298	SAMPLE	W030000672	SW-846 8270B Semi-Vols
			23298	SPK-RPD	W030000672	SW-846 8270B Semi-Vols
			23298	SURR	W030000672	SW-846 8270B Semi-Vols
			23298	SAMPLE	W030000673	SW-846 8270B Semi-Vols
			23298	SURR	W030000673	SW-846 8270B Semi-Vols
20026	1	20411	23362	SAMPLE	W030000671	Gamma Energy Analysis-grd H2O
20026	2	20411	23362	SAMPLE	W030000672	Gamma Energy Analysis-grd H2O
20026	3	20411	23362	SAMPLE	W030000673	Gamma Energy Analysis-grd H2O
20125	1	20506	23379	BLANK		Uranium Isotopics by AEA
20125	2	20506	23379	LCS		Uranium Isotopics by AEA
20125	3	20506	23379	SAMPLE	W030000670	Uranium Isotopics by AEA
20125	4	20506	23379	SAMPLE	W030000671	Uranium Isotopics by AEA
20125	5	20506	23379	SAMPLE	W030000672	Uranium Isotopics by AEA
20125	6	20506	23379	DUP	W030000673	Uranium Isotopics by AEA
20125	7	20506	23379	SAMPLE	W030000673	Uranium Isotopics by AEA
20122	1	20509	23380	BLANK		Plutonium Isotopics by AEA
20122	2	20509	23380	LCS		Plutonium Isotopics by AEA
20122	3	20509	23380	SAMPLE	W030000670	Plutonium Isotopics by AEA
20122	4	20509	23380	SAMPLE	W030000671	Plutonium Isotopics by AEA
20122	5	20509	23380	SAMPLE	W030000672	Plutonium Isotopics by AEA
20122	6	20509	23380	DUP	W030000673	Plutonium Isotopics by AEA
20122	7	20509	23380	SAMPLE	W030000673	Plutonium Isotopics by AEA
20124	1	20507	23381	BLANK		Americium by AEA
20124	2	20507	23381	LCS		Americium by AEA
20124	3	20507	23381	SAMPLE	W030000670	Americium by AEA
20124	4	20507	23381	SAMPLE	W030000671	Americium by AEA
20124	5	20507	23381	SAMPLE	W030000672	Americium by AEA
20124	6	20507	23381	DUP	W030000673	Americium by AEA
20124	7	20507	23381	SAMPLE	W030000673	Americium by AEA
20194	1	20577	23392	BLANK		ICP Metals Analysis, Grd H2O P
20194	2	20577	23392	LCS		ICP Metals Analysis, Grd H2O P

20194	4	20577	23392	MS	W030000670	ICP Metals Analysis, Grd H20 P
20194	5	20577	23392	MSD	W030000670	ICP Metals Analysis, Grd H20 P
20194	3	20577	23392	SAMPLE	W030000670	ICP Metals Analysis, Grd H20 P
20194	0	20577	23392	SPK-RPD	W030000670	ICP Metals Analysis, Grd H20 P
20194	6	20577	23392	SAMPLE	W030000671	ICP Metals Analysis, Grd H20 P
20194	7	20577	23392	SAMPLE	W030000672	ICP Metals Analysis, Grd H20 P
20194	8	20577	23392	SAMPLE	W030000673	ICP Metals Analysis, Grd H20 P
20238	1	20621	23431	BLANK		NWTPH-GX TPH Gasoline Range
20238	2	20621	23431	LCS		NWTPH-GX TPH Gasoline Range
20238	4	20621	23431	DUP	W030000671	NWTPH-GX TPH Gasoline Range
20238	3	20621	23431	SAMPLE	W030000671	NWTPH-GX TPH Gasoline Range
20238	5	20621	23431	SAMPLE	W030000672	NWTPH-GX TPH Gasoline Range
20238	7	20621	23431	MS	W030000673	NWTPH-GX TPH Gasoline Range
20238	8	20621	23431	MSD	W030000673	NWTPH-GX TPH Gasoline Range
20238	6	20621	23431	SAMPLE	W030000673	NWTPH-GX TPH Gasoline Range
20238	8	20621	23431	SPK-RPD	W030000673	NWTPH-GX TPH Gasoline Range
20243	1	20627	23437	BLANK		Alcohols, Glycols - 8015
20243	2	20627	23437	LCS		Alcohols, Glycols - 8015
20243	4	20627	23437	MS	W030000671	Alcohols, Glycols - 8015
20243	5	20627	23437	MSD	W030000671	Alcohols, Glycols - 8015
20243	3	20627	23437	SAMPLE	W030000671	Alcohols, Glycols - 8015
20243	5	20627	23437	SPK-RPD	W030000671	Alcohols, Glycols - 8015
20243	6	20627	23437	SAMPLE	W030000672	Alcohols, Glycols - 8015
20243	7	20627	23437	SAMPLE	W030000673	Alcohols, Glycols - 8015
20246	1	20630	23449	BLANK		ICP-2008 MS All possible metal
20246	2	20630	23449	LCS		ICP-2008 MS All possible metal
20246	4	20630	23449	MS	W030000670	ICP-2008 MS All possible metal
20246	5	20630	23449	MSD	W030000670	ICP-2008 MS All possible metal
20246	3	20630	23449	SAMPLE	W030000670	ICP-2008 MS All possible metal
20246	6	20630	23449	SAMPLE	W030000671	ICP-2008 MS All possible metal
20246	7	20630	23449	SAMPLE	W030000672	ICP-2008 MS All possible metal
20246	8	20630	23449	SAMPLE	W030000673	ICP-2008 MS All possible metal

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20031045
Matrix: SOLID
Test: WTPH-D TPH Diesel Range (Wa)

SAF Number: F03-006
Sample Date: 07/31/03
Receive Date:08/04/03

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
Lab ID: W030000671									
BATCH QC ASSOCIATED WITH SAMPLE									
MS	ortho-Terphenyl Surr	84-15-1	25551	98.500	% Recov	08/08/03	70.000	130.000	
MS	Total Pet. Hydrocarbons Diesel	TPHDIESEL	124120	95.700	% Recov	08/08/03	75.000	125.000	
MSD	Kerosene	TPHKEROSENE	111720	86.100	%Recove	08/08/03	70.000	130.000	
MSD	ortho-Terphenyl Surr	84-15-1	26440	102.000	% Recov	08/08/03	70.000	130.000	
SPK-RPD	ortho-Terphenyl Surr	84-15-1	102.000	3.491	RPD	08/08/03	0.000	20.000	
SURR	ortho-Terphenyl Surr	84-15-1	25468	98.100	% Recov	08/08/03	70.000	130.000	
Lab ID: W030000672									
BATCH QC ASSOCIATED WITH SAMPLE									
SURR	ortho-Terphenyl Surr	84-15-1	25521	98.600	% Recov	08/08/03	70.000	130.000	
Lab ID: W030000673									
BATCH QC ASSOCIATED WITH SAMPLE									
SURR	ortho-Terphenyl Surr	84-15-1	25615	101.000	% Recov	08/08/03	70.000	130.000	
Lab ID: W03Q000077									
BATCH QC ASSOCIATED WITH SAMPLE									
DUP	Total Pet. Hydrocarbons Diesel	TPHDIESEL	1800	0.038	RPD	08/08/03	0.000	20.000	
BATCH QC									
BLANK	Kerosene	TPHKEROSENE	< 5000	n/a	ug/Kg	08/08/03	0.000	100.000	U
BLANK	ortho-Terphenyl Surr	84-15-1	25959	104.000	% Recov	08/08/03	70.000	130.000	
BLANK	Total Pet. Hydrocarbons Diesel	TPHDIESEL	< 3800	n/a	ug/Kg	08/08/03	0.000	300.000	U
LCS	Kerosene	TPHKEROSENE	127380	102.000	%Recove	08/08/03	70.000	130.000	
LCS	ortho-Terphenyl Surr	84-15-1	26240	105.000	% Recov	08/08/03	70.000	130.000	

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20031045
Matrix: SOLID
Test: PCBs complete list

SAF Number: F03-006
Sample Date: 07/30/03
Receive Date:08/04/03

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
Lab ID: W030000670									
BATCH QC ASSOCIATED WITH SAMPLE									
SURR	Decachlorobiphenyl	2051-24-3	1068.5	107.000	% Recov	08/12/03	50.000	150.000	
SURR	Tetrachloro-m-xylene	877-09-8	1034.2	103.000	% Recov	08/12/03	50.000	150.000	
Lab ID: W030000671									
BATCH QC ASSOCIATED WITH SAMPLE									
SURR	Decachlorobiphenyl	2051-24-3	1003.5	97.600	% Recov	08/12/03	50.000	150.000	
SURR	Tetrachloro-m-xylene	877-09-8	963.17	93.700	% Recov	08/12/03	50.000	150.000	
Lab ID: W030000672									
BATCH QC ASSOCIATED WITH SAMPLE									
SURR	Decachlorobiphenyl	2051-24-3	887.51	90.100	% Recov	08/12/03	50.000	150.000	
SURR	Tetrachloro-m-xylene	877-09-8	800.15	81.200	% Recov	08/12/03	50.000	150.000	
Lab ID: W030000673									
BATCH QC ASSOCIATED WITH SAMPLE									
MS	Aroclor-1260	11096-82-5	167.76	83.800	% Recov	08/12/03	75.000	125.000	
MS	Decachlorobiphenyl	2051-24-3	923.92	92.400	% Recov	08/12/03	50.000	150.000	
MS	Tetrachloro-m-xylene	877-09-8	806.29	80.600	% Recov	08/12/03	50.000	150.000	
MSD	Aroclor-1260	11096-82-5	157.07	78.600	% Recov	08/12/03	75.000	125.000	
MSD	Decachlorobiphenyl	2051-24-3	838.17	83.900	% Recov	08/12/03	50.000	150.000	
MSD	Tetrachloro-m-xylene	877-09-8	803.52	80.400	% Recov	08/12/03	50.000	150.000	
SPK-RPD	Aroclor-1260	11096-82-5	78.600	6.404	RPD	08/11/03	0.000	25.000	
SPK-RPD	Decachlorobiphenyl	2051-24-3	83.900	9.643	RPD	08/11/03	0.000	20.000	
SPK-RPD	Tetrachloro-m-xylene	877-09-8	80.400	0.248	RPD	08/11/03	0.000	20.000	
SURR	Decachlorobiphenyl	2051-24-3	903.31	96.900	% Recov	08/12/03	50.000	150.000	
SURR	Tetrachloro-m-xylene	877-09-8	782.18	83.900	% Recov	08/12/03	50.000	150.000	

WSCF ANALYTICAL LABORATORY QC REPORT

2 - 35

SDG Number: WSCF20031045
Matrix: SOLID
Test: PCBs complete list

SAF Number: F03-006
Sample Date: 08/04/03
Receive Date:08/04/03

Lab ID: W03Q000079

BATCH QC ASSOCIATED WITH SAMPLE

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
DUP	Decachlorobiphenyl	2051-24-3	0.45305	90.600	% Recov	08/12/03	50.000	150.000	
DUP	Tetrachloro-m-xylene	877-09-8	0.45014	90.000	% Recov	08/12/03	50.000	150.000	

BATCH QC

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
BLANK	Decachlorobiphenyl	2051-24-3	0.76750	76.800	% Recov	08/11/03	50.000	150.000	
BLANK	Tetrachloro-m-xylene	877-09-8	0.77158	77.200	% Recov	08/11/03	50.000	150.000	
LCS	Aroclor-1260	11096-82-5	252.00	115.000	% Recov	08/11/03	70.000	130.000	
LCS	Decachlorobiphenyl	2051-24-3	711.77	71.200	% Recov	08/11/03	50.000	150.000	
LCS	Tetrachloro-m-xylene	877-09-8	727.46	72.700	% Recov	08/11/03	50.000	150.000	

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20031045
Matrix: SOLID
Test: Cyanide by Midi/Spectrophotom

SAF Number: F03-006
Sample Date: 07/31/03
Receive Date:08/04/03

Lab ID: W030000671

BATCH QC ASSOCIATED WITH SAMPLE

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
DUP	Cyanide by Midi/Spectrophotom	57-12-5	<0.2	n/a	RPD	08/11/03	0.000	20.000	U
MS	Cyanide by Midi/Spectrophotom	57-12-5	104.7	104.700	% Recov	08/11/03	75.000	125.000	
MSD	Cyanide by Midi/Spectrophotom	57-12-5	99.4	99.400	% Recov	08/11/03	75.000	125.000	
SPK-RPD	Cyanide by Midi/Spectrophotom	57-12-5	99.400	5.194	RPD	08/11/03	0.000	20.000	

BATCH QC

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
BLANK	Cyanide by Midi/Spectrophotom	57-12-5	1.4973	1.497	ug/L	08/11/03	-4.000	4.000	
BLNK-PREP	Cyanide by Midi/Spectrophotom	57-12-5	n/a	n/a	ug/L	08/11/03	-4.000	4.000	
LCS	Cyanide by Midi/Spectrophotom	57-12-5	84.8	84.800	% Recov	08/11/03	85.000	115.000	
LCS-2	Cyanide by Midi/Spectrophotom	57-12-5	n/a	n/a	% Recov	08/11/03	85.000	115.000	

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20031045
Matrix: SOLID
Test: Anions by Ion Chromatography

SAF Number: F03-006
Sample Date: 07/31/03
Receive Date:08/04/03

Lab ID: W030000671

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	<2.69e0	n/a	RPD	08/12/03	0.000	20.000	U
DUP	Fluoride	16984-48-8	<1.34e0	n/a	RPD	08/12/03	0.000	20.000	U
DUP	Nitrogen in Nitrite	NO2-N	<1.73e0	n/a	RPD	08/12/03	0.000	20.000	U
DUP	Nitrogen in Nitrate	NO3-N	2.69e+02	7.168	RPD	08/12/03	0.000	20.000	
DUP	Phosphate	14265-44-2	<2.50e0	n/a	RPD	08/12/03	0.000	20.000	U
DUP	Sulfate	14808-79-8	<4.61e0	n/a	RPD	08/12/03	0.000	20.000	U
MS	Chloride	16887-00-6	1.00e+00	101.010	% Recov	08/12/03	75.000	125.000	
MS	Fluoride	16984-48-8	5.25e-01	107.362	% Recov	08/12/03	75.000	125.000	
MS	Nitrogen in Nitrite	NO2-N	4.51e-01	89.484	% Recov	08/12/03	75.000	125.000	
MS	Nitrogen in Nitrate	NO3-N	5.25e-01	117.713	% Recov	08/12/03	75.000	125.000	
MS	Phosphate	14265-44-2	8.55e-01	89.155	% Recov	08/12/03	75.000	125.000	
MS	Sulfate	14808-79-8	1.92e+00	97.462	% Recov	08/12/03	75.000	125.000	
MSD	Chloride	16887-00-6	9.33e-01	94.242	% Recov	08/12/03	75.000	125.000	
MSD	Fluoride	16984-48-8	4.92e-01	100.613	% Recov	08/12/03	75.000	125.000	
MSD	Nitrogen in Nitrite	NO2-N	4.28e-01	84.921	% Recov	08/12/03	75.000	125.000	
MSD	Nitrogen in Nitrate	NO3-N	3.97e-01	89.013	% Recov	08/12/03	75.000	125.000	
MSD	Phosphate	14265-44-2	8.12e-01	84.672	% Recov	08/12/03	75.000	125.000	
MSD	Sulfate	14808-79-8	1.83e+00	92.893	% Recov	08/12/03	75.000	125.000	

BATCH QC

BLANK	Chloride	16887-00-6	<1.40e-2	n/a	mg/L	08/13/03	0.000	300.000	U
BLANK	Chloride	16887-00-6	<1.40e-2	n/a	mg/L	08/12/03	0.000	300.000	U
BLANK	Fluoride	16984-48-8	<7.00e-3	n/a	mg/L	08/12/03	0.000	300.000	U
BLANK	Fluoride	16984-48-8	<7.00e-3	n/a	mg/L	08/13/03	0.000	300.000	U
BLANK	Nitrogen in Nitrite	NO2-N	<9.00e-3	n/a	mg/L	08/13/03	0.000	300.000	U
BLANK	Nitrogen in Nitrite	NO2-N	<9.00e-3	n/a	mg/L	08/12/03	0.000	300.000	U

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20031045
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	<5.00e-3	n/a	mg/L	08/12/03	0.000	300.000	U
BLANK	Nitrogen in Nitrate	NO3-N	<5.00e-3	n/a	mg/L	08/13/03	0.000	300.000	U
BLANK	Phosphate	14265-44-2	<1.30e-2	n/a	mg/L	08/12/03	0.000	300.000	U
BLANK	Phosphate	14265-44-2	<1.30e-2	n/a	mg/L	08/13/03	0.000	300.000	U
BLANK	Sulfate	14808-79-8	<2.40e-2	n/a	mg/L	08/12/03	0.000	300.000	U
BLANK	Sulfate	14808-79-8	<2.40e-2	n/a	mg/L	08/13/03	0.000	300.000	U
LCS	Chloride	16887-00-6	2.00e+02	100.000	% Recov	08/12/03	80.000	120.000	
LCS	Fluoride	16984-48-8	1.07e+02	108.409	% Recov	08/12/03	80.000	120.000	
LCS	Nitrogen in Nitrite	NO2-N	9.36e+01	91.765	% Recov	08/12/03	80.000	120.000	
LCS	Nitrogen in Nitrate	NO3-N	8.73e+01	96.892	% Recov	08/12/03	80.000	120.000	
LCS	Phosphate	14265-44-2	1.90e+02	98.039	% Recov	08/12/03	80.000	120.000	
LCS	Sulfate	14808-79-8	4.03e+02	101.003	% Recov	08/12/03	80.000	120.000	

WSCF ANALYTICAL LABORATORY QC REPORT

2 - 39

SDG Number: WSCF20031045
Matrix: SOLID
Test: Ammonia (N) by IC

SAF Number: F03-006
Sample Date: 07/31/03
Receive Date:08/04/03

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
Lab ID: W030000671									
BATCH QC ASSOCIATED WITH SAMPLE									
DUP	Ammonia (N) by IC	7664-41-7	5.27e+01	9.919	RPD	08/13/03	0.000	20.000	
MS	Ammonia (N) by IC	7664-41-7	1.49e-01	90.303	% Recov	08/13/03	75.000	125.000	
MSD	Ammonia (N) by IC	7664-41-7	1.73e-01	104.848	% Recov	08/13/03	75.000	125.000	
BATCH QC									
BLNK-PREP	Ammonia (N) by IC	7664-41-7	<4.00e-3	n/a	Ratio	08/13/03			U
BLNK-PREP	Ammonia (N) by IC	7664-41-7	<4.00e-3	n/a	Ratio	08/14/03			U
LCS	Ammonia (N) by IC	7664-41-7	8.75e+01	105.549	% Recov	08/13/03	80.000	120.000	

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20031045
Matrix: SOLID
Test: SW-846 8270B Semi-Vols

SAF Number: F03-006
Sample Date: 07/31/03
Receive Date:08/04/03

Lab ID: W030000671
BATCH QC ASSOCIATED WITH SAMPLE

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
SURR	2-Fluorophenol	367-12-4	1914.0	57.600	%Recove	08/13/03	42.000	105.000	
SURR	2-Fluorobiphenyl	321-60-8	2013.8	60.600	%Recove	08/13/03	56.000	122.000	
SURR	Nitrobenzene-d5	4165-60-0	1755.6	52.800	%Recove	08/13/03	64.000	111.000	
SURR	Phenol-d5	4165-62-2	2125.1	63.900	%Recove	08/13/03	54.000	120.000	
SURR	2,4,6-Tribromophenol	118-79-6	2285.2	68.700	%Recove	08/13/03	24.000	122.000	
SURR	Terphenyl-d14 (7Cl)	98904-43-9	1807.4	54.400	%Recove	08/13/03	35.000	150.000	

Lab ID: W030000672
BATCH QC ASSOCIATED WITH SAMPLE

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
MS	1,2,4-Trichlorobenzene	120-82-1	2658.1	79.900	% Recov	08/13/03	46.000	107.000	
MS	1,4-Dichlorobenzene	106-46-7	2637.4	79.300	% Recov	08/13/03	30.000	96.000	
MS	2,4-Dinitrotoluene	121-14-2	2737.3	82.300	% Recov	08/13/03	59.000	106.000	
MS	2-Fluorophenol	367-12-4	2376.0	71.400	%Recove	08/13/03	42.000	105.000	
MS	Acenaphthene	83-32-9	2789.8	83.800	% Recov	08/13/03	61.000	116.000	
MS	4-Chloro-3-methylphenol	59-50-7	3864.1	77.400	% Recov	08/13/03	61.000	106.000	
MS	2-Chlorophenol	95-57-8	3473.9	69.600	% Recov	08/13/03	66.000	106.000	
MS	N-Nitrosodi-n-dipropylamine	621-64-7	3075.3	92.400	% Recov	08/13/03	71.000	114.000	
MS	2-Fluorobiphenyl	321-60-8	2769.3	83.200	%Recove	08/13/03	56.000	122.000	
MS	Phenol	108-95-2	3974.9	79.600	% Recov	08/13/03	42.000	111.000	
MS	Nitrobenzene-d5	4165-60-0	2525.5	75.900	%Recove	08/13/03	64.000	111.000	
MS	4-Nitrophenol	100-02-7	4612.4	92.400	% Recov	08/13/03	32.000	118.000	
MS	Pentachlorophenol	87-86-5	4977.2	99.700	% Recov	08/13/03	62.000	114.000	
MS	Phenol-d5	4165-62-2	2426.5	72.900	%Recove	08/13/03	54.000	120.000	
MS	Pyrene	129-00-0	2363.6	71.000	% Recov	08/13/03	66.000	118.000	
MS	2,4,6-Tribromophenol	118-79-6	2775.7	83.400	%Recove	08/13/03	24.000	122.000	
MS	Terphenyl-d14 (7Cl)	98904-43-9	2391.0	71.800	%Recove	08/13/03	35.000	150.000	

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20031045
Matrix: SOLID
Test: SW-846 8270B Semi-Vols

SAF Number: F03-006
Sample Date: 07/31/03
Receive Date:08/04/03

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
MSD	1,2,4-Trichlorobenzene	120-82-1	2677.1	80.500	% Recov	08/13/03	46.000	107.000	
MSD	1,4-Dichlorobenzene	106-46-7	2769.8	83.300	% Recov	08/13/03	30.000	96.000	
MSD	2,4-Dinitrotoluene	121-14-2	2853.1	85.800	% Recov	08/13/03	59.000	106.000	
MSD	2-Fluorophenol	367-12-4	2204.4	66.300	%Recove	08/13/03	42.000	105.000	
MSD	Acenaphthene	83-32-9	2869.9	86.300	% Recov	08/13/03	61.000	116.000	
MSD	4-Chloro-3-methylphenol	59-50-7	3885.0	77.900	% Recov	08/13/03	61.000	106.000	
MSD	2-Chlorophenol	95-57-8	3488.1	69.900	% Recov	08/13/03	66.000	106.000	
MSD	N-Nitrosodi-n-dipropylamine	621-64-7	3194.9	96.100	% Recov	08/13/03	71.000	114.000	
MSD	2-Fluorobiphenyl	321-60-8	2828.2	85.000	%Recove	08/13/03	56.000	122.000	
MSD	Phenol	108-95-2	4070.8	81.600	% Recov	08/13/03	42.000	111.000	
MSD	Nitrobenzene-d5	4165-60-0	2519.1	75.800	%Recove	08/13/03	64.000	111.000	
MSD	4-Nitrophenol	100-02-7	4916.6	98.600	% Recov	08/13/03	32.000	118.000	
MSD	Pentachlorophenol	87-86-5	4800.1	96.200	% Recov	08/13/03	62.000	114.000	
MSD	Phenol-d5	4165-62-2	2544.3	76.500	%Recove	08/13/03	54.000	120.000	
MSD	Pyrene	129-00-0	2279.9	68.600	% Recov	08/13/03	66.000	118.000	
MSD	2,4,6-Tribromophenol	118-79-6	2541.9	76.400	%Recove	08/13/03	24.000	122.000	
MSD	Terphenyl-d14 (7Cl)	98904-43-9	2505.8	75.400	%Recove	08/13/03	35.000	150.000	
SPK-RPD	1,2,4-Trichlorobenzene	120-82-1	80.500	0.748	RPD	08/13/03	0.000	20.000	
SPK-RPD	1,4-Dichlorobenzene	106-46-7	83.300	4.920	RPD	08/13/03	0.000	20.000	
SPK-RPD	2,4-Dinitrotoluene	121-14-2	85.800	4.164	RPD	08/13/03	0.000	20.000	
SPK-RPD	2-Fluorophenol	367-12-4	66.300	92.857	%Recove	08/13/03	42.000	105.000	
SPK-RPD	Acenaphthene	83-32-9	86.300	2.939	RPD	08/13/03	0.000	20.000	
SPK-RPD	4-Chloro-3-methylphenol	59-50-7	77.900	0.644	RPD	08/13/03	0.000	20.000	
SPK-RPD	2-Chlorophenol	95-57-8	69.900	0.430	RPD	08/13/03	0.000	20.000	
SPK-RPD	N-Nitrosodi-n-dipropylamine	621-64-7	96.100	3.926	RPD	08/13/03	0.000	20.000	
SPK-RPD	2-Fluorobiphenyl	321-60-8	85.000	102.163	%Recove	08/13/03	56.000	122.000	
SPK-RPD	Phenol	108-95-2	81.600	2.481	RPD	08/13/03	0.000	20.000	
SPK-RPD	Nitrobenzene-d5	4165-60-0	75.800	99.868	%Recove	08/13/03	64.000	111.000	
SPK-RPD	4-Nitrophenol	100-02-7	98.600	6.492	RPD	08/13/03	0.000	20.000	
SPK-RPD	Pentachlorophenol	87-86-5	96.200	3.573	RPD	08/13/03	0.000	20.000	

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20031045
Matrix: SOLID
Test: SW-846 8270B Semi-Vols

SAF Number: F03-006
Sample Date: 07/31/03
Receive Date:08/04/03

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
SPK-RPD	Phenol-d5	4165-62-2	76.500	104.938	%Recove	08/13/03	54.000	120.000	
SPK-RPD	Pyrene	129-00-0	68.600	3.438	RPD	08/13/03	0.000	20.000	
SPK-RPD	2,4,6-Tribromophenol	118-79-6	76.400	91.607	%Recove	08/13/03	24.000	122.000	
SPK-RPD	Terphenyl-d14 (7Cl)	98904-43-9	75.400	105.014	%Recove	08/13/03	35.000	150.000	
SURR	2-Fluorophenol	367-12-4	1423.4	42.700	%Recove	08/13/03	42.000	105.000	
SURR	2-Fluorobiphenyl	321-60-8	1902.1	57.100	%Recove	08/13/03	56.000	122.000	
SURR	Nitrobenzene-d5	4165-60-0	1362.8	40.900	%Recove	08/13/03	64.000	111.000	*
SURR	Phenol-d5	4165-62-2	1593.4	47.800	%Recove	08/13/03	54.000	120.000	*
SURR	2,4,6-Tribromophenol	118-79-6	1368.5	41.100	%Recove	08/13/03	24.000	122.000	
SURR	Terphenyl-d14 (7Cl)	98904-43-9	1345.4	40.400	%Recove	08/13/03	35.000	150.000	

Lab ID: W030000673
BATCH QC ASSOCIATED WITH SAMPLE

SURR	2-Fluorophenol	367-12-4	2210.4	66.400	%Recove	08/13/03	42.000	105.000	
SURR	2-Fluorobiphenyl	321-60-8	2628.1	79.000	%Recove	08/13/03	56.000	122.000	
SURR	Nitrobenzene-d5	4165-60-0	2438.7	73.300	%Recove	08/13/03	64.000	111.000	
SURR	Phenol-d5	4165-62-2	2659.9	79.900	%Recove	08/13/03	54.000	120.000	
SURR	2,4,6-Tribromophenol	118-79-6	2833.3	85.200	%Recove	08/13/03	24.000	122.000	
SURR	Terphenyl-d14 (7Cl)	98904-43-9	2410.8	72.500	%Recove	08/13/03	35.000	150.000	

BATCH QC

BLANK	1,2-Dichlorobenzene	95-50-1	< 360	n/a	ug/Kg	08/13/03			U
BLANK	1,2,4-Trichlorobenzene	120-82-1	< 290	n/a	ug/Kg	08/13/03			U
BLANK	1,3-Dichlorobenzene	541-73-1	< 320	n/a	ug/Kg	08/13/03			U
BLANK	1,4-Dichlorobenzene	106-46-7	< 310	n/a	ug/Kg	08/13/03			U
BLANK	2,4-Dichlorophenol	120-83-2	< 80	n/a	ug/Kg	08/13/03			U
BLANK	2,4-Dinitrotoluene	121-14-2	< 67	n/a	ug/Kg	08/13/03			U
BLANK	2,4,5-Trichlorophenol	95-95-4	< 73	n/a	ug/Kg	08/13/03			U
BLANK	2,4,6-Trichlorophenol	88-06-2	< 67	n/a	ug/Kg	08/13/03			U
BLANK	2,4-Dimethylphenol	105-67-9	< 67	n/a	ug/Kg	08/13/03			U

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20031045
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	2,6-Dinitrotoluene	606-20-2	< 67	n/a	ug/Kg	08/13/03			U
BLANK	2-Butoxyethanol	111-76-2	< 100	n/a	ug/Kg	08/13/03			U
BLANK	2-Chloronaphthalene	91-58-7	< 67	n/a	ug/Kg	08/13/03			U
BLANK	2-Fluorophenol	367-12-4	2175.4	65.300	%Recove	08/13/03	42.000	105.000	
BLANK	2-Methylnaphthalene	91-57-6	< 180	n/a	ug/Kg	08/13/03			U
BLANK	2-Methylphenol (cresol, o-)	95-48-7	< 67	n/a	ug/Kg	08/13/03			U
BLANK	2-Nitroaniline	88-74-4	< 67	n/a	ug/Kg	08/13/03			U
BLANK	2-Nitrophenol	88-75-5	< 170	n/a	ug/Kg	08/13/03			U
BLANK	3 & 4 Methylphenol Total	65794-96-9	< 110	n/a	ug/Kg	08/13/03	0.000	300.000	U
BLANK	3-Nitroaniline	99-09-2	< 67	n/a	ug/Kg	08/13/03			U
BLANK	4,6-Dinitro-2-methylphenol	534-52-1	< 670	n/a	ug/Kg	08/13/03			U
BLANK	4-Bromophenylphenyl ether	101-55-3	< 67	n/a	ug/Kg	08/13/03			U
BLANK	4-Chlorophenylphenyl ether	7005-72-3	< 67	n/a	ug/Kg	08/13/03			U
BLANK	Acenaphthene	83-32-9	< 67	n/a	ug/Kg	08/13/03			U
BLANK	Acenaphthylene	208-96-8	< 80	n/a	ug/Kg	08/13/03			U
BLANK	Anthracene	120-12-7	< 67	n/a	ug/Kg	08/13/03			U
BLANK	Bis(2-chloroethyl) ether	111-44-4	< 250	n/a	ug/Kg	08/13/03			U
BLANK	Benzo(a)anthracene	56-55-3	< 67	n/a	ug/Kg	08/13/03			U
BLANK	Benzo(b)fluoranthene	205-99-2	< 67	n/a	ug/Kg	08/13/03			U
BLANK	Benzo(ghi)perylene	191-24-2	< 67	n/a	ug/Kg	08/13/03			U
BLANK	Benzo(a)pyrene	50-32-8	< 67	n/a	ug/Kg	08/13/03			U
BLANK	Bis(2-Chloroethoxy)methane	111-91-1	< 110	n/a	ug/Kg	08/13/03			U
BLANK	Bis(2-ethylhexyl) phthalate	117-81-7	< 560	n/a	ug/Kg	08/13/03			U
BLANK	Bis(2-chloro-1-methylethyl)eth	108-60-1	< 250	n/a	ug/Kg	08/13/03	0.000	10.000	U
BLANK	Benzo(k)fluoranthene	207-08-9	< 67	n/a	ug/Kg	08/13/03			U
BLANK	Butylbenzylphthalate	85-68-7	< 67	n/a	ug/Kg	08/13/03			U
BLANK	Carbazole	86-74-8	< 80	n/a	ug/Kg	08/13/03			U
BLANK	4-Chloroaniline	106-47-8	< 93	n/a	ug/Kg	08/13/03			U
BLANK	4-Chloro-3-methylphenol	59-50-7	< 67	n/a	ug/Kg	08/13/03			U
BLANK	2-Chlorophenol	95-57-8	< 150	n/a	ug/Kg	08/13/03			U

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20031045
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	Chrysene	218-01-9	< 67	n/a	ug/Kg	08/13/03			U
BLANK	3,3'-Dichlorobenzidine	91-94-1	< 80	n/a	ug/Kg	08/13/03			U
BLANK	Dibenz[a,h]anthracene	53-70-3	< 67	n/a	ug/Kg	08/13/03			U
BLANK	Dibenzofuran	132-64-9	< 67	n/a	ug/Kg	08/13/03			U
BLANK	Di-n-butylphthalate	84-74-2	< 87	n/a	ug/Kg	08/13/03			U
BLANK	Diethylphthalate	84-66-2	430	430.000	ug/Kg	08/13/03			
BLANK	Dimethyl phthalate	131-11-3	< 67	n/a	ug/Kg	08/13/03			U
BLANK	2,4-Dinitrophenol	51-28-5	< 670	n/a	ug/Kg	08/13/03			U
BLANK	Di-n-octylphthalate	117-84-0	< 67	n/a	ug/Kg	08/13/03			U
BLANK	N-Nitrosodi-n-dipropylamine	621-64-7	< 67	n/a	ug/Kg	08/13/03			U
BLANK	2-Fluorobiphenyl	321-60-8	2704.7	81.100	%Recove	08/13/03	56.000	122.000	
BLANK	Fluorene	86-73-7	< 67	n/a	ug/Kg	08/13/03			U
BLANK	Fluoranthene	206-44-0	< 67	n/a	ug/Kg	08/13/03			U
BLANK	Hexachlorobenzene	118-74-1	< 67	n/a	ug/Kg	08/13/03			U
BLANK	Hexachlorobutadiene	87-68-3	< 370	n/a	ug/Kg	08/13/03			U
BLANK	Hexachlorocyclopentadiene	77-47-4	< 310	n/a	ug/Kg	08/13/03			U
BLANK	Hexachloroethane	67-72-1	< 470	n/a	ug/Kg	08/13/03			U
BLANK	Indeno(1,2,3-cd)pyrene	193-39-5	< 67	n/a	ug/Kg	08/13/03			U
BLANK	Isophorone	78-59-1	< 67	n/a	ug/Kg	08/13/03			U
BLANK	Phenol	108-95-2	< 100	n/a	ug/Kg	08/13/03			U
BLANK	Naphthalene	91-20-3	< 290	n/a	ug/Kg	08/13/03			U
BLANK	Nitrobenzene-d5	4165-60-0	2322.4	69.700	%Recove	08/13/03	64.000	111.000	
BLANK	Nitrobenzene	98-95-3	< 260	n/a	ug/Kg	08/13/03			U
BLANK	4-Nitrophenol	100-02-7	< 650	n/a	ug/Kg	08/13/03			U
BLANK	4-Nitroaniline	100-01-6	< 250	n/a	ug/Kg	08/13/03			U
BLANK	N-Nitrosodiphenylamine	86-30-6	< 67	n/a	ug/Kg	08/13/03			U
BLANK	Pentachlorophenol	87-86-5	< 300	n/a	ug/Kg	08/13/03			U
BLANK	Phenanthrene	85-01-8	< 67	n/a	ug/Kg	08/13/03			U
BLANK	Phenol-d5	4165-62-2	2714.0	81.400	%Recove	08/13/03	54.000	120.000	
BLANK	Pyrene	129-00-0	< 67	n/a	ug/Kg	08/13/03			U

WSCF ANALYTICAL LABORATORY QC REPORT

2 - 45

SDG Number: WSCF20031045
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	Tributyl phosphate	126-73-8	< 67	n/a	ug/Kg	08/13/03			U
BLANK	2,4,6-Tribromophenol	118-79-6	2135.9	64.100	%Recove	08/13/03	24.000	122.000	
BLANK	Terphenyl-d14 (7Cl)	98904-43-9	2300.7	69.000	%Recove	08/13/03	35.000	150.000	
LCS	1,2,4-Trichlorobenzene	120-82-1	2498.7	75.000	% Recov	08/13/03	46.000	107.000	
LCS	1,4-Dichlorobenzene	106-46-7	2297.5	68.900	% Recov	08/13/03	42.000	111.000	
LCS	2,4-Dinitrotoluene	121-14-2	2525.8	75.800	% Recov	08/13/03	59.000	106.000	
LCS	2-Fluorophenol	367-12-4	2321.0	69.600	% Recov	08/13/03	50.000	110.000	
LCS	Acenaphthene	83-32-9	2566.8	77.000	% Recov	08/13/03	61.000	116.000	
LCS	4-Chloro-3-methylphenol	59-50-7	3647.8	73.000	% Recov	08/13/03	61.000	106.000	
LCS	2-Chlorophenol	95-57-8	3541.4	70.800	% Recov	08/13/03	66.000	106.000	
LCS	N-Nitrosodi-n-dipropylamine	621-64-7	2679.5	80.400	% Recov	08/13/03	71.000	114.000	
LCS	2-Fluorobiphenyl	321-60-8	2560.8	76.800	% Recov	08/13/03	58.000	109.000	
LCS	Phenol	108-95-2	3926.6	78.500	% Recov	08/13/03	67.000	105.000	
LCS	Nitrobenzene-d5	4165-60-0	2168.1	65.000	% Recov	08/13/03	60.000	118.000	
LCS	4-Nitrophenol	100-02-7	3537.5	70.800	% Recov	08/13/03	32.000	118.000	
LCS	Pentachlorophenol	87-86-5	4169.9	83.400	% Recov	08/13/03	62.000	114.000	
LCS	Phenol-d5	4165-62-2	2288.8	68.700	% Recov	08/13/03	59.000	116.000	
LCS	Pyrene	129-00-0	2327.1	69.800	% Recov	08/13/03	66.000	118.000	
LCS	2,4,6-Tribromophenol	118-79-6	2766.3	83.000	% Recov	08/13/03	60.000	120.000	
LCS	Terphenyl-d14 (7Cl)	98904-43-9	2335.0	70.100	% Recov	08/13/03	60.000	120.000	

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20031045
Matrix: SOLID
Test: Uranium Isotopics by AEA

SAF Number: F03-006
Sample Date: 08/04/03
Receive Date:08/04/03

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
Lab ID: W030000673									
BATCH QC ASSOCIATED WITH SAMPLE									
DUP	Uranium-238	U-238	1.4e-01	52.632	RPD	08/21/03	0.000	20.000	
BATCH QC									
BLANK	Uranium-238	24678-82-8	2.0e-02	0.020	pCi/g	08/21/03	0.000	1000.000	
LCS	Uranium-238	24678-82-8	35.56	93.801	% Recov	08/21/03	75.000	125.000	

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20031045
Matrix: SOLID
Test: Plutonium Isotopics by AEA

SAF Number: F03-006
Sample Date: 08/04/03
Receive Date:08/04/03

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
Lab ID: W030000673									
BATCH QC ASSOCIATED WITH SAMPLE									
DUP	Pu-239/240 by AEA	PU-239/240	1.1e-02	37.037	RPD	08/21/03	0.000	20.000	
BATCH QC									
BLANK	Pu-239/240 by AEA	PU-239/240	7.0e-03	0.007	pCi/g	08/21/03	0.000	1000.000	
LCS	Pu-239/240 by AEA	PU-239/240	1.2e+01	97.561	% Recov	08/21/03	75.000	125.000	

WSCF ANALYTICAL LABORATORY QC REPORT

2 - 48

SDG Number: WSCF20031045
Matrix: SOLID
Test: Americium by AEA

SAF Number: F03-006
Sample Date: 08/04/03
Receive Date:08/04/03

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
Lab ID: W030000673									
BATCH QC ASSOCIATED WITH SAMPLE									
DUP	Americium-241	14596-10-2	2.6e-02	145.515	RPD	08/21/03	0.000	20.000	
BATCH QC									
BLANK	Americium-241	14596-10-2	8.9e-02	0.089	pCi/g	08/21/03	0.000	1000.000	
LCS	Americium-241	14596-10-2	12.18	92.624	% Recov	08/21/03	75.000	125.000	

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20031045
Matrix: SOLID
Test: ICP Metals Analysis, Grd H20 P

SAF Number: F03-006
Sample Date: 07/30/03
Receive Date:08/04/03

Lab ID: W030000670

BATCH QC ASSOCIATED WITH SAMPLE

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
MS	Boron	7440-42-8	448	106.413	% Recov	08/25/03	75.000	125.000	
MS	Bismuth	7440-69-9	415	98.575	% Recov	08/25/03	75.000	125.000	
MSD	Boron	7440-42-8	492	105.806	% Recov	08/25/03	75.000	125.000	
MSD	Bismuth	7440-69-9	458	98.495	% Recov	08/25/03	75.000	125.000	
SPK-RPD	Boron	7440-42-8	9836.136	9.254	RPD	08/25/03	0.000	20.000	
SPK-RPD	Bismuth	7440-69-9	9164.000	9.871	RPD	08/25/03	0.000	20.000	

BATCH QC

BLANK	Boron	7440-42-8	0.2	0.200	ug/g	08/25/03	-10.000	10.000	
BLANK	Bismuth	7440-69-9	<0.1	n/a	ug/g	08/25/03	-1.000	0.068	U
LCS	Boron	7440-42-8	56.3	87.695	% Recov	08/25/03	80.000	120.000	
LCS	Bismuth	7440-69-9	286	57.430	% Recov	08/25/03	80.000	120.000	

WSCF ANALYTICAL LABORATORY QC REPORT

2 - 50

SDG Number: WSCF20031045
Matrix: SOLID
Test: NWTPH-GX TPH Gasoline Range

SAF Number: F03-006
Sample Date: 07/31/03
Receive Date:08/04/03

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
Lab ID: W030000671									
BATCH QC ASSOCIATED WITH SAMPLE									
DUP	Total Pet. Hydrocarbons Gas	TPHGASOLINE	<100	n/a	RPD	08/27/03	0.000	20.000	U
Lab ID: W030000673									
BATCH QC ASSOCIATED WITH SAMPLE									
MS	Total Pet. Hydrocarbons Gas	TPHGASOLINE	3240	93.913	% Recov	08/27/03	50.000	150.000	
MSD	Total Pet. Hydrocarbons Gas	TPHGASOLINE	3510	101.739	% Recov	08/27/03	50.000	150.000	
SPK-RPD	Total Pet. Hydrocarbons Gas	TPHGASOLINE	101.739	8.000	RPD	08/27/03	0.000	20.000	
BATCH QC									
BLANK	Total Pet. Hydrocarbons Gas	TPHGASOLINE	<100	n/a	mg/L	08/27/03	0.000	300.000	U
LCS	Total Pet. Hydrocarbons Gas	TPHGASOLINE	5600	81.159	% Recov	08/27/03	85.000	115.000	

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20031045
Matrix: SOLID
Test: Alcohols, Glycols - 8015

SAF Number: F03-006
Sample Date: 07/31/03
Receive Date:08/04/03

Lab ID: W030000671

BATCH QC ASSOCIATED WITH SAMPLE

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
MS	2-Bromoethanol	540-51-2	24000	120.000	%Recove	08/26/03	70.000	125.000	
MS	Diethyl ether	60-29-7	20000	100.000	%Recove	08/26/03	75.000	125.000	
MS	Ethylene glycol	107-21-1	23000	115.000	%Recove	08/26/03	75.000	125.000	
MS	Methanol	67-56-1	22000	110.000	%Recove	08/26/03	75.000	125.000	
MSD	2-Bromoethanol	540-51-2	22000	110.000	%Recove	08/26/03	70.000	125.000	
MSD	Diethyl ether	60-29-7	18000	90.000	%Recove	08/26/03	75.000	125.000	
MSD	Ethylene glycol	107-21-1	19000	95.000	%Recove	08/26/03	75.000	125.000	
MSD	Methanol	67-56-1	22000	110.000	%Recove	08/26/03	75.000	125.000	
SPK-RPD	2-Bromoethanol	540-51-2	110.000	8.696	RPD	08/26/03	0.000	20.000	
SPK-RPD	Diethyl ether	60-29-7	90.000	10.526	RPD	08/26/03	0.000	20.000	
SPK-RPD	Ethylene glycol	107-21-1	95.000	19.048	RPD	08/26/03	0.000	20.000	
SPK-RPD	Methanol	67-56-1	110.000	0.000	RPD	08/26/03	0.000	20.000	

BATCH QC

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
BLANK	2-Bromoethanol	540-51-2	19000	0.950	ug/Kg	08/26/03	0.000	10.000	
BLANK	Diethyl ether	60-29-7	<5000	n/a	ug/Kg	08/26/03	0.000	10.000	U
BLANK	Ethylene glycol	107-21-1	<5000	n/a	ug/Kg	08/26/03	0.000	5.000	U
BLANK	Methanol	67-56-1	<1000	n/a	ug/Kg	08/26/03	0.000	10.000	U
LCS	2-Bromoethanol	540-51-2	20000	100.000	%Recove	08/26/03	70.000	130.000	
LCS	Diethyl ether	60-29-7	4700	94.000	%Recove	08/26/03	70.000	130.000	
LCS	Ethylene glycol	107-21-1	4000	80.000	%Recove	08/26/03	70.000	130.000	
LCS	Methanol	67-56-1	6000	120.000	%Recove	08/26/03	70.000	130.000	

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20031045
Matrix: SOLID
Test: ICP-2008 MS All possible metal

SAF Number: F03-006
Sample Date: 07/30/03
Receive Date:08/04/03

Lab ID: W030000670
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	126.3	31.575	% Recov	09/04/03	70.000	130.000	
MS	Arsenic	7440-38-2	338	93.889	% Recov	09/04/03	70.000	130.000	
MS	Barium	7440-39-3	351	97.500	% Recov	09/04/03	70.000	130.000	
MS	Beryllium	7440-41-7	454	126.111	% Recov	09/04/03	70.000	130.000	
MS	Cadmium	7440-43-9	322	89.444	% Recov	09/04/03	85.000	115.000	
MS	Chromium	7440-47-3	355.894	88.974	% Recov	09/04/03	70.000	130.000	
MS	Copper	7440-50-8	373.603	93.401	% Recov	09/04/03	70.000	130.000	
MS	Mercury	7439-97-6	15.779	78.895	% Recov	09/04/03	70.000	130.000	
MS	Nickel	7440-02-0	372.558	93.139	% Recov	09/04/03	70.000	130.000	
MS	Lead	7439-92-1	332.5	83.125	% Recov	09/04/03	70.000	130.000	
MS	Antimony	7440-36-0	269	74.722	% Recov	09/04/03	70.000	130.000	
MS	Selenium	7782-49-2	331	91.944	% Recov	09/04/03	70.000	130.000	
MS	Uranium	7440-61-1	333.89	83.472	% Recov	09/04/03	70.000	130.000	
MSD	Silver	7440-22-4	104.3	26.075	% Recov	09/04/03	70.000	130.000	
MSD	Arsenic	7440-38-2	336.281	84.070	% Recov	09/04/03	70.000	130.000	
MSD	Barium	7440-39-3	356.14	89.035	% Recov	09/04/03	70.000	130.000	
MSD	Beryllium	7440-41-7	456.9	114.225	% Recov	09/04/03	70.000	130.000	
MSD	Cadmium	7440-43-9	316	87.778	% Recov	09/04/03	85.000	115.000	
MSD	Chromium	7440-47-3	352.394	88.099	% Recov	09/04/03	70.000	130.000	
MSD	Copper	7440-50-8	371.503	92.876	% Recov	09/04/03	70.000	130.000	
MSD	Mercury	7439-97-6	15.499	77.495	% Recov	09/04/03	70.000	130.000	
MSD	Nickel	7440-02-0	367.758	91.939	% Recov	09/04/03	70.000	130.000	
MSD	Lead	7439-92-1	330.5	82.625	% Recov	09/04/03	70.000	130.000	
MSD	Antimony	7440-36-0	269	74.722	% Recov	09/04/03	70.000	130.000	
MSD	Selenium	7782-49-2	329	91.389	% Recov	09/04/03	70.000	130.000	
MSD	Uranium	7440-61-1	329.69	82.422	% Recov	09/04/03	70.000	130.000	

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20031045
Matrix: SOLID
Test: ICP-2008 MS All possible metal

SAF Number: F03-006
Sample Date: 07/30/03
Receive Date:08/04/03

BATCH QC

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit		RQ
BLANK	Silver	7440-22-4	0.574	0.574	ug/L	09/04/03	-0.440	0.440	•	
BLANK	Arsenic	7440-38-2	<0.3	n/a	ug/L	09/04/03	-0.660	0.660		U
BLANK	Barium	7440-39-3	0.25	0.250	ug/L	09/04/03	-0.440	0.440		
BLANK	Beryllium	7440-41-7	<0.3	n/a	ug/L	09/04/03	-0.660	0.660		U
BLANK	Cadmium	7440-43-9	<0.22	n/a	ug/L	09/04/03	-0.220	0.220		U
BLANK	Chromium	7440-47-3	<0.3	n/a	ug/L	09/04/03	-0.660	0.660		U
BLANK	Copper	7440-50-8	<0.5	n/a	ug/L	09/04/03	-1.100	1.100		U
BLANK	Mercury	7439-97-6	0.237	0.237	ug/L	09/04/03	-0.220	0.220	•	
BLANK	Nickel	7440-02-0	<0.5	n/a	ug/L	09/04/03	-1.100	1.100		U
BLANK	Lead	7439-92-1	<1.2	n/a	ug/L	09/04/03	-2.640	2.640		U
BLANK	Antimony	7440-36-0	<0.5	n/a	ug/L	09/04/03	-1.100	1.100		U
BLANK	Selenium	7782-49-2	<0.3	n/a	ug/L	09/04/03	-0.660	0.660		U
BLANK	Uranium	7440-61-1	0.132	0.132	ug/L	09/04/03	-0.220	0.220		
LCS	Silver	7440-22-4	153.9	129.328	% Recov	09/04/03	85.000	115.000	•	
LCS	Arsenic	7440-38-2	195.3	100.154	% Recov	09/04/03	85.000	115.000		
LCS	Barium	7440-39-3	389.3	99.311	% Recov	09/04/03	85.000	115.000		
LCS	Beryllium	7440-41-7	81.51	108.247	% Recov	09/04/03	85.000	115.000		
LCS	Cadmium	7440-43-9	67.41	98.265	% Recov	09/04/03	85.000	115.000		
LCS	Chromium	7440-47-3	84.72	97.942	% Recov	09/04/03	85.000	115.000		
LCS	Copper	7440-50-8	129.7	102.126	% Recov	09/04/03	85.000	115.000		
LCS	Mercury	7439-97-6	9.729	103.390	% Recov	09/04/03	85.000	115.000		
LCS	Nickel	7440-02-0	91.78	109.785	% Recov	09/04/03	85.000	115.000		
LCS	Lead	7439-92-1	92.44	97.820	% Recov	09/04/03	85.000	115.000		
LCS	Antimony	7440-36-0	171	123.913	% Recov	09/04/03	85.000	115.000	•	
LCS	Selenium	7782-49-2	113.8	99.825	% Recov	09/04/03	85.000	115.000		
LCS	Uranium	7440-61-1	360.1	90.477	% Recov	09/04/03	85.000	115.000		

W1141-03-SLF-074

ATTACHMENT 3

SAMPLE RECEIPT INFORMATION

Consisting of 7 pages
Cover page not included

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

ACKNOWLEDGMENT OF SAMPLES RECEIVED

Deleted 8015, TPHD & W, SVOC. 8/12/03

Ground Water Protection Program

Richland, WA 99352
Attn: Steve Trent

Customer Code: GPP
PO#: 117504/ES20
Group#: 20031045
Project#: F03-006
Proj Mgr: STEVE TRENT A0-21
Phone: 373-5869

The following samples were received from you on 08/04/03. 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
W030000672	B173V4	GPP @2008 @8015GPP @AEA-30 @AEA-31 @AEA-32 @GEA-GPP @IC-30 @ICP-GPP @PCBGPP @SVOCGPP @TPHD @TPHG-WA CN-02 NH4-IC PERSOLID PH-30	TRENT Solid, or handle as if solid	07/31/03
W030000670	B173V2	GPP @2008 @AEA-30 @AEA-31 @AEA-32 @GEA-GPP @IC-30 @ICP-GPP @PCBGPP CN-02 NH4-IC PERSO PH-30	TRENT Solid, or handle as if solid	07/30/03
W030000671	B173V3	GPP @2008 @8015GPP @AEA-30 @AEA-31 @AEA-32 @GEA-GPP @IC-30 @ICP-GPP @PCBGPP @SVOCGPP @TPHD @TPHG-WA CN-02 NH4-IC PERSOLID PH-30	TRENT Solid, or handle as if solid	07/31/03
W030000673	B173V5	GPP @2008 @8015GPP @AEA-30 @AEA-31 @AEA-32 @GEA-GPP @IC-30 @ICP-GPP @PCBGPP @SVOCGPP @TPHD @TPHG-WA CN-02 NH4-IC PERSOLID PH-30	TRENT Solid, or handle as if solid	08/04/03

Test Acronym Description

Test Acronym	Description
@2008	ICP-2008 MS All possible metal
@8015GPP	Alcohols, Glycols - 8015
@AEA-30	Plutonium Isotopics by AEA
@AEA-31	Americium by AEA
@AEA-32	Uranium Isotopics by AEA
@GEA-GPP	Gamma Energy Analysis-grd H2O
@IC-30	Anions by Ion Chromatography
@ICP-GPP	ICP Metals Analysis, Grd H20 P
@PCBGPP	PCBs complete list
@SVOCGPP	SW-846 8270B Semi-Vols
@TPHD-WA	WTPH-D TPH Diesel Range (Wa)
@TPHG-WA	NWTPH-GX TPH Gasoline Range
CN-02	Cyanide by Midi/Spectrophotom

The Pu solids analysis for W030000670 was deleted from radiological conditions.

9-5-03

3-1

Ground Water Protection Program

Richland, WA 99352
Attn: Steve Trent

Customer Code: GPP
PO#: 117504/ES20
Group#: 20031045
Project#: F03-006
Proj Mgr: STEVE TRENT A0-21
Phone: 373-5869

Test Acronym Description

Test Acronym	Description
NH4-IC	Ammonia (N) by IC
PERSOLID	Percent Solids
PH-30	pH Soil and Waste Measurement

NS

3-2

3-2

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

File
V.3
9/4/03

ACKNOWLEDGMENT OF SAMPLES RECEIVED

Ground Water Protection Program
Richland, WA 99352
Attn: Steve Trent

Customer Code: GPP
PO#: 117504/ES20
Group#: 20031045
Project#: F03-006
Proj Mgr: STEVE TRENT A0-21
Phone: 373-5869

The following samples were received from you on 08/04/03. 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
W030000672	B173V4	GPP	TRENT Solid, or handle as if solid	07/31/03
		@2008 @8015GPP @AEA-30 @AEA-31 @AEA-32		
		@GEA-GPP @IC-30 @ICP-GPP @PCBGPP @SVOCGPP @TPHD		
		@TPHG-WA CN-02 NH4-IC PERSOLID PH-30		
W030000670	B173V2	GPP	TRENT Solid, or handle as if solid	07/30/03
		@2008 @8015GPP @AEA-30 @AEA-31 @AEA-32		
		@GEA-GPP @IC-30 @ICP-GPP @PCBGPP @SVOCGPP @TPHD		
		@TPHG-WA CN-02 NH4-IC PERSOLID PH-30		
W030000671	B173V3	GPP	TRENT Solid, or handle as if solid	07/31/03
		@2008 @8015GPP @AEA-30 @AEA-31 @AEA-32		
		@GEA-GPP @IC-30 @ICP-GPP @PCBGPP @SVOCGPP @TPHD		
		@TPHG-WA CN-02 NH4-IC PERSOLID PH-30		
W030000673	B173V5	GPP	TRENT Solid, or handle as if solid	08/04/03
		@2008 @8015GPP @AEA-30 @AEA-31 @AEA-32		
		@GEA-GPP @IC-30 @ICP-GPP @PCBGPP @SVOCGPP @TPHD		
		@TPHG-WA CN-02 NH4-IC PERSOLID PH-30		

Test Acronym Description

Test Acronym	Description
@2008	ICP-2008 MS All possible metal
@8015GPP	Alcohols, Glycols - 8015
@AEA-30	Plutonium Isotopics by AEA
@AEA-31	Americium by AEA
@AEA-32	Uranium Isotopics by AEA
@GEA-GPP	Gamma Energy Analysis-grd H2O
@IC-30	Anions by Ion Chromatography
@ICP-GPP	ICP Metals Analysis, Grd H20 P
@PCBGPP	PCBs complete list
@SVOCGPP	SW-846 8270B Semi-Vols
@TPHD-WA	WTPH-D TPH Diesel Range (Wa)
@TPHG-WA	NWTPH-GX TPH Gasoline Range
CN-02	Cyanide by Midi/Spectrophotom

The @8015GPP, @TPHD, @TPHG-WA and @SVOCGPP analyses for sample B173V2 were shipped to off-site laboratory to meet customer MDL's.

T.F.
8-12-03

VB
MM

3-3

9/4/03

3-4

FH-Central Plateau Project	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F03-006-193	Page 1 of 1 4
Collector: Pope/Pfister/Hughes/Johansen	Company Contact: LC Hulstrom; Telephone No.: 373-3928	Project Coordinator: TRENT, SJ	Price Code: 8N; Data Turnaround: 45 Days
Project Designation: 200-PW-2/200-PW-4 OU - Borehole Soil Sampling	Sampling Location: 216-A-36B (C3248) - 40-42.5' (7-11-03)	SAF No.: F03-006	Air Quality ☐
Ice Chest No.	Field Logbook No.: HNF-N-3361; COA: 117504ES10	Method of Shipment: Federal Express	
Shipped To: Waste Sampling & Characterization	Offsite Property No.	Bill of Lading/Air Bill No.	

POSSIBLE SAMPLE HAZARDS/REMARKS

RADIOACTIVE TIE TO: B173V9, B17494

Special Handling and/or Storage

20031645

Preservation	Cool 4C	Cool 4C	Cool 4C								
Type of Container	aG	Gs*	aG/PP P								
No. of Container(s)	1	2	1								
Volume	40mL	40mL	125mL								
SAMPLE ANALYSIS	See item (1) in Special Instructions.	See item (2) in Special Instructions.	See item (3) in Special Instructions.								

Sample No.	Matrix *	Sample Date	Sample Time										
B173V2 WC3000STO	SOIL	7-30-03	0755	X	X	X							

CHAIN OF POSSESSION	Date/Time	Sign/Print Names: Received By/Stored In	Date/Time
Relinquished By/Removed From: R. PFISTER	7/30/3 0935	Received By/Stored In: SITE FRIG	7/30/3 0935
Relinquished By/Removed From: SITE FRIG	8/4/3 1320	Received By/Stored In: R. PFISTER	8/4/3 1320
Relinquished By/Removed From: R. PFISTER	8/4/3 1400	Received By/Stored In:	8/4/03 1400
Relinquished By/Removed From	Date/Time	Received By/Stored In	Date/Time
Relinquished By/Removed From	Date/Time	Received By/Stored In	Date/Time
Relinquished By/Removed From	Date/Time	Received By/Stored In	Date/Time

SPECIAL INSTRUCTIONS

Report kerosene and diesel range compounds from WTPH-D analysis. FH acknowledges that holding times (less than 14 days) may not be met by the lab due to the radl characteristics.

(1) Semi-VOA - 8270A (TCL); Semi-VOA -- 8270A (Add-On) (2-Butoxyethanol, Tributyl phosphate); TPH-Diesel Range - WTPH-D; TPH-Gasoline Range - WTPH-G; PCBs - 8082
(2) Alcohols, Glycols, & Ketones - 8015 (Diethyl ether, Ethylene glycol, Methanol)
(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-126); Isotopic Plutonium; Americium-241; Isotopic Uranium; Trace Elements ICP/MS - 200.8 (Complete) (Antimony, Arsenic, Barium, Beryllium, Chromium, Copper, Lead, Mercury, Nickel, Silver, Uranium); ICP Metals - 6010A (Add-on) (Bismuth, Boron); 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

Matrix *
S=Soil
SE=Sediment
SO=Solid
SL=Sludge
W=Water
O=Oil
A=Air
DS=Drum Solids
DL=Drum Liquids
T=Tissue
Wi=Wipe
L=Liquid
V=Vegetation
X=Other

LABORATORY SECTION	Received By	Title	Date/Time
FINAL SAMPLE DISPOSITION	Disposal Method	Disposed By	Date/Time

FH-Central Plateau Project	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F03-006-194	Page 1 of 1
Collector Pope/Pfister/Hughes/Johansen	Company Contact LC Hulstrom Telephone No. 373-3928	Project Coordinator TRENT, SJ	Price Code 8N Data Turnaround 45 Days
Project Designation 200-PW-2/200-PW-4 OU - Borehole Soil Sampling	Sampling Location 7-10-03 (@ 4160) 216-A-36B ~~(C3248)~~ - 53.5-56'	SAF No. F03-006	Air Quality ☐
Ice Chest No.	Field Logbook No. HNF-N-3361 COA 117504ES10	Method of Shipment Federal Express	
Shipped To Waste Sampling & Characterization	Offsite Property No.	Bill of Lading/Air Bill No.	

POSSIBLE SAMPLE HAZARDS/REMARKS

RADIOACTIVE TIE TO: B173W0, B173W1, B17495

Special Handling and/or Storage

Preservation	Cool 4C	Cool 4C	Cool 4C								
Type of Container	aG	Gs*	~~aG~~ P								
No. of Container(s)	1	2	1								
Volume	40mL	40mL	125mL								
SAMPLE ANALYSIS	See item (1) in Special Instructions.	See item (2) in Special Instructions	See Item (3) in Special Instructions.								

Sample No.	Matrix *	Sample Date	Sample Time										
B173V3 W03 0000671	SOIL	7-31-03	0730	X	X	X							
B173V4 672	SOIL	7-31-03	0730	X	X	X							

CHAIN OF POSSESSION	Sign/Print Names		
Relinquished By/Removed From	Date/Time	Received By/Stored In	Date/Time
R. Pope Tea	7/31/3 1430	SITE FRIDGE	7/31/3 1630
Relinquished By/Removed From	Date/Time	Received By/Stored In	Date/Time
SITE Fridge	8-4-03 / 1320	J S Pope	8-4-03 / 1320
Relinquished By/Removed From	Date/Time	Received By/Stored In	Date/Time
J.S. Pope	8-4-03 / 1400	[illegible]	8/4/03 1400
Relinquished By/Removed From	Date/Time	Received By/Stored In	Date/Time
Relinquished By/Removed From	Date/Time	Received By/Stored In	Date/Time
Relinquished By/Removed From	Date/Time	Received By/Stored In	Date/Time

SPECIAL INSTRUCTIONS

Report kerosene and diesel range compounds from WTPH-D analysis. FH acknowledges that holding times (less than 14 days) may not be met by the lab due to the radl characteristics.

(1) Semi-VOA - 8270A (TCL); Semi-VOA – 8270A (Add-On) {2-Butoxyethanol, Tributyl phosphate}; TPH-Diesel Range - WTPH-D; TPH-Gasoline Range - WTPH-G; PCBs - 8082
(2) Alcohols, Glycols, & Ketones - 8015 {Diethyl ether, Ethylene glycol, Methanol}
(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-126}; Isotopic Plutonium; Americium-241; Isotopic Uranium; Trace Elements ICP/MS - 200.8 (Complete) {Antimony, Arsenic, Barium, Beryllium, Chromium, Copper, Lead, Mercury, Nickel, Silver, Uranium}; ICP Metals - 6010A (Add-on) {Bismuth, Boron}; 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

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

LABORATORY SECTION	Received By	Title	Date/Time
FINAL SAMPLE DISPOSITION	Disposal Method	Disposed By	Date/Time

FH-Central Plateau Project	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F03-006-195	Page 1 of 1
Collector Pope/Pfister/Hughes/Johansen	Company Contact LC Hulstrom Telephone No. 373-3928	Project Coordinator TRENT, SJ	Price Code 8N Data Turnaround 45 Days
Project Designation 200-PW-2/200-PW-4 OU - Borehole Soil Sampling	Sampling Location 7-4-03 (C 4160) 216-A-36B (C3248) - 89.5-92'	SAF No. F03-006	Air Quality ☐
Ice Chest No.	Field Logbook No. HNF-N-3361 COA 117504ES10	Method of Shipment Federal Express	
Shipped To Waste Sampling & Characterization	Offsite Property No.	Bill of Lading/Air Bill No.	

POSSIBLE SAMPLE HAZARDS/REMARKS

Special Handling and/or Storage

Preservation	Cool 4C	Cool 4C	Cool 4C								
Type of Container	aG	Gs*	~~PG~~								
No. of Container(s)	1	2	1								
Volume	40mL	40mL	125mL								
SAMPLE ANALYSIS	See item (1) in Special Instructions.	See item (2) in Special Instructions.	See item (3) in Special Instructions.								

Sample No.	Matrix *	Sample Date	Sample Time										
B173V5 W0320020673	SOIL	8.4.03	1125	X	X	X							

CHAIN OF POSSESSION	Sign/Print Names		
Relinquished By/Removed From	Date/Time	Received By/Stored In	Date/Time
R. PFISTER/[illegible]	8/4/3 1400	[illegible]	8/4/03 1400
Relinquished By/Removed From	Date/Time	Received By/Stored In	Date/Time
Relinquished By/Removed From	Date/Time	Received By/Stored In	Date/Time
Relinquished By/Removed From	Date/Time	Received By/Stored In	Date/Time
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

Report kerosene and diesel range compounds from WTPH-D analysis. FH acknowledges that holding times (less than 14 days) may not be met by the lab due to the radl characteristics.

(1) Semi-VOA - 8270A (TCL); Semi-VOA -- 8270A (Add-On) (2-Butoxyethanol, Tributyl phosphate); TPH-Diesel Range - WTPH-D; TPH-Gasoline Range - WTPH-G; PCBs - 8082
(2) Alcohols, Glycols, & Ketones - 8015 (Diethyl ether, Ethylene glycol, Methanol)
(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-126); Isotopic Plutonium; Americium-241; Isotopic Uranium; Trace Elements ICP/MS - 200.8 (Complete) (Antimony, Arsenic, Barium, Beryllium, Chromium, Copper, Lead, Mercury, Nickel, Silver, Uranium); ICP Metals - 6010A (Add-on) (Bismuth, Boron); 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

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

LABORATORY SECTION	Received By	Title	Date/Time
FINAL SAMPLE DISPOSITION	Disposal Method	Disposed By	Date/Time

11 (03/01/2002)

3-6

3-6

FH-Central Plateau Project	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F03-006-238	Page 1 of 1
Collector Pope/Plister/Hughes/Johansen	Company Contact LC Hulstrom Telephone No. 373-3928	Project Coordinator TRENT, SJ	Price Code 8N Data Turnaround 45 Days
Project Designation 200-PW-2/200-PW-4 OU - Borehole Soil Sampling	Sampling Location 216-A-36B	SAF No. F03-006	Air Quality ☐
Ice Chest No.	Field Logbook No. HNF-N-3361 COA 117504ES10	Method of Shipment Federal Express	
Shipped To Severn Trent Incorporated, Richland	Offsite Property No.	Bill of Lading/Air Bill No.	

POSSIBLE SAMPLE HAZARDS/REMARKS

Special Handling and/or Storage

Preservation	Cool 4C										
Type of Container	aG										
No. of Container(s)	2										
Volume	100g										
SAMPLE ANALYSIS Shipped TO customer 8/11/03 VD B173V2 2 40mL AO	See item (1) in Special Instructions.										

Sample No.	Matrix *	Sample Date	Sample Time										
~~B17BY9~~ B173V2	SOIL												

CHAIN OF POSSESSION		Sign/Print Names	
Relinquished By/Removed From	Date/Time 0915	Received By/Stored In	Date/Time 0915
Relinquished By/Removed From	Date/Time	Received By/Stored In	Date/Time
Relinquished By/Removed From	Date/Time	Received By/Stored In	Date/Time
Relinquished By/Removed From	Date/Time	Received By/Stored In	Date/Time
Relinquished By/Removed From	Date/Time	Received By/Stored In	Date/Time
Relinquished By/Removed From	Date/Time	Received By/Stored In	Date/Time

SPECIAL INSTRUCTIONS

Report kerosene and diesel range compounds from WTPH-D analysis.

(1) Semi-VOA - 8270A (TCL); Semi-VOA – 8270A (Add-On) (2-Butoxyethanol, Tributyl phosphate); TPH-Diesel Range - WTPH-D; TPH-Gasoline Range - WTPH-G
NO2/NO3 - 353.1; Oil + Grease - 413.1, Chromium Hex - 7196

Matrix *
S=Soil
SE=Sediment
SO=Solid
SI=Sludge
W = Water
O=Oil
A=Air
DS=Drum Solids
DL=Drum Liquids
T=Tissue
Wi=Wipe
L=Liquid
V=Vegetation
X=Other

LABORATORY SECTION	Received By	Title	Date/Time
FINAL SAMPLE DISPOSITION	Disposal Method	Disposed By	Date/Time

011 (03/01/2002)

3-7

3-7