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

0060753

FLUOR

Memorandum

T4180-03-SLF-034

To: S. J. Trent

Date: September 16, 2003

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

Telephone: 373-7495

cc:	W/Attachments		W/O Attachments	
	T. F. Dale	S3-28	D. M. Thornton	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	
	M. Neely	S3-30		

Subject: FINAL RESULTS FOR 200-PW-2/200-PW-4 OU- OTHER SOIL- SAMPLE DELIVERY GROUP WSCF20031112 SAF NUMBER F03-012

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

(2) HNF-SD-CD-QAPP-017, Rev. 5, Waste Sampling and Characterization Facility Quality Assurance Plan

This letter contains a narrative (Attachment 1) for the sample delivery group (WSCF20031112), the analytical results (Attachment 2) and the sample receipt information (Attachment 3).

slf/ddw

Attachments 3

RECEIVED
NOV 24 2003
EDMC

SEP 2003
RECEIVED

T4180-03-SLF-034

ATTACHMENT 1

NARRATIVE

Consisting of 3 pages
Cover page not included

Sample Delivery Group	**WSCF20031112**
Sample Matrix	**Soil**
Sample Visual	**Brown**
SAF Number	**F03-012**
Data Deliverable	**Summary Report**

Introduction

Three (3) soil samples (B17C41, B17C42, and B17C43) from the GPP were received at the WSCF Laboratory on August 13, 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.

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.
- VOA's by EPA SW-846 Method 8260A. Analytical work was performed with no deviations to the approved procedure.
- 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 no deviations to the approved method.
- 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 no deviations to the approved method.

- 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.

- 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) 2-41 and 2-42 for QC details.

ICP-MS and ICP-AES 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) 2-52, 2-53, 2-54, 2-55, 2-56, 2-58 and 2-59 for QC details.

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) 2-61, 2-62, 2-63 and 2-64 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) 2-46, 2-47, 2-48, 2-49, 2-50 and 2-51 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 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) 2-60 for QC details.

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) 2-43 and 2-44 for details.

WTPH-G – 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) 2-65 for details.

IC Anions – The client requested hold time(s) for this analysis was not met. The client was notified and requested WSCF to continue with this analysis. 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 and 2-37 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) 2-38 for QC details.

Percent Solids – PCB's, Semi-VOA's, VOA's, Alcohols and Glycols, WTPH-G and WTPH-D analytical results were corrected for percent solids. All other analytical results 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) 2-57 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) 2-39, 2-40, and 2-45 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

T4180-03-SLF-034

ATTACHMENT 2

ANALYTICAL RESULTS

Consisting of 65 pages
Cover page not included

WSCF
ANALYTICAL RESULTS REPORT

for

Ground Water Protection Program

Richland, WA 99352

Attention: Steve Trent

Analytical: _____

Client Services: _____

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

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

Contract#: F03-012
Report#: WSCF20031112
Report Date: 15-sep-2003
Report WGPP/ver. 1
Ground Water Protection Program

WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent
Project: F03-012: F03-012

Group #: WSCF20031112

Sample #	Client ID		CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W030000701	B17C41	TRENT	57-12-5	Cyanide	SOIL	LA-695-402	U	< 0.200	mg/kg	1.00	0.20	09/09/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	NH4-N	Nitrogen in ammonium	SOIL	LA-503-401	U	< 0.0800	mg/kg	20.00	0.080	08/19/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	TS	Total solids	SOIL	LA-519-412		96.3	%	1.00	0.0	08/27/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	PH	pH Measurement	SOIL	LA-212-411		12.4	pH	1.00	0.010	08/20/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	60-29-7	Diethyl ether	SOIL	Organics	U	< 5.00e+03	ug/kg	1.00	5.0e+03	08/26/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	67-56-1	Methanol	SOIL	Organics	U	< 1.00e+03	ug/kg	1.00	1.0e+03	08/26/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	107-21-1	Ethylene glycol	SOIL	Organics	U	< 5.00e+03	ug/kg	1.00	5.0e+03	08/26/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	14596-10-2	Americium-241	SOIL	LA-508-471	U	0.0290	pCi/g	1.00	0.036	08/22/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	E,T,C	Am-241 by AEA Total Cntg Error	SOIL	LA-508-471		+- 0.0240	pCi/g	1.00	0.0	08/22/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	16984-48-8	Fluoride	SOIL	LA-533-410	U	< 0.693	mg/kg	99.00	0.69	08/19/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	16887-00-6	Chloride	SOIL	LA-533-410	U	< 1.39	mg/kg	99.00	1.4	08/19/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	NO2-N	Nitrogen in Nitrite	SOIL	LA-533-410	U	< 0.891	mg/kg	99.00	0.89	08/19/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	NO3-N	Nitrogen in Nitrate	SOIL	LA-533-410	U	< 0.495	mg/kg	99.00	0.50	08/19/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	14265-44-2	Phosphate	SOIL	LA-533-410	JU	< 1.29	mg/kg	99.00	1.3	08/19/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	14808-79-8	Sulfate	SOIL	LA-533-410		43.5	mg/kg	99.00	2.4	08/19/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	10198-40-0	Cobalt-60	SOIL	LA-508-462	U	0.0157	pCi/g	1.00	0.027	08/13/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	E,T,C	Co-60 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.0150	pCi/g	1.00	0.0	08/13/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	14234-35-6	Antimony-125	SOIL	LA-508-462	U	0.0302	pCi/g	1.00	0.050	08/13/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	E,T,C	Sb-125 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.0290	pCi/g	1.00	0.0	08/13/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	13967-70-9	Cesium-134	SOIL	LA-508-462	U	0.0118	pCi/g	1.00	0.025	08/13/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	E,T,C	Cs-134 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.0160	pCi/g	1.00	0.0	08/13/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	10045-97-3	Cesium-137	SOIL	LA-508-462		0.0472	pCi/g	1.00	0.023	08/13/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	E,T,C	Cs-137 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.0210	pCi/g	1.00	0.0	08/13/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	14683-23-9	Europium-152	SOIL	LA-508-462	U	-0.0197	pCi/g	1.00	0.048	08/13/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	E,T,C	Eu-152 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.0510	pCi/g	1.00	0.0	08/13/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	15585-10-1	Europium-154	SOIL	LA-508-462	U	-0.0344	pCi/g	1.00	0.069	08/13/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	E,T,C	Eu-154 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.0430	pCi/g	1.00	0.0	08/13/03	08/13/03	08/13/03

MDL = Minimum Detection Limit
RQ = Result Qualifier

B - The analyte < the RDL but > = the IDL/MDL (inorganic)
J - Estimated Value
D - Analyte was identified at a secondary dilution factor
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: F03-012: F03-012

Group #: WSCF20031112

Sample #	Client ID	CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W030000701	B17C41 TRENT	14391-16-3	Europium-155	SOIL	LA-508-462	U	0.0283	pCi/g	1.00	0.055	08/13/03	08/13/03	08/13/03
W030000701	B17C41 TRENT	E,T,C	Eu-155 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.0320	pCi/g	1.00	0.0	08/13/03	08/13/03	08/13/03
W030000701	B17C41 TRENT	15832-50-5	Tin-126	SOIL	LA-508-462	U	0.0871	pCi/g	1.00	0.087	08/13/03	08/13/03	08/13/03
W030000701	B17C41 TRENT	E,T,C	Sn-126 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.0360	pCi/g	1.00	0.0	08/13/03	08/13/03	08/13/03
W030000701	B17C41 TRENT	15262-20-1	Radium-228	SOIL	LA-508-462		0.384	pCi/g	1.00	0.072	08/13/03	08/13/03	08/13/03
W030000701	B17C41 TRENT	E,T,C	Ra-228 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.114	pCi/g	1.00	0.0	08/13/03	08/13/03	08/13/03
W030000701	B17C41 TRENT	13982-63-3	Radium-226	SOIL	LA-508-462		0.312	pCi/g	1.00	0.043	08/13/03	08/13/03	08/13/03
W030000701	B17C41 TRENT	E,T,C	Ra-226 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.0680	pCi/g	1.00	0.0	08/13/03	08/13/03	08/13/03
W030000701	B17C41 TRENT	13982-39-3	Zinc-65	SOIL	LA-508-462	U	8.11e-03	pCi/g	1.00	0.052	08/13/03	08/13/03	08/13/03
W030000701	B17C41 TRENT	E,T,C	Zn-65 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.0350	pCi/g	1.00	0.0	08/13/03	08/13/03	08/13/03
W030000701	B17C41 TRENT	14681-63-1	Niobium-94	SOIL	LA-508-462	U	-6.34e-03	pCi/g	1.00	0.020	08/13/03	08/13/03	08/13/03
W030000701	B17C41 TRENT	E,T,C	Nb-94 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.0120	pCi/g	1.00	0.0	08/13/03	08/13/03	08/13/03
W030000701	B17C41 TRENT	13968-53-1	Ruthenium-103	SOIL	LA-508-462	U	3.15e-03	pCi/g	1.00	0.018	08/13/03	08/13/03	08/13/03
W030000701	B17C41 TRENT	E,T,C	Ru-103 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.0100	pCi/g	1.00	0.0	08/13/03	08/13/03	08/13/03
W030000701	B17C41 TRENT	13967-48-1	Ruthenium-106	SOIL	LA-508-462	U	0.0248	pCi/g	1.00	0.18	08/13/03	08/13/03	08/13/03
W030000701	B17C41 TRENT	E,T,C	Ru-106 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.107	pCi/g	1.00	0.0	08/13/03	08/13/03	08/13/03
W030000701	B17C41 TRENT	13966-06-8	Tin-113	SOIL	LA-508-462	U	4.24e-03	pCi/g	1.00	0.022	08/13/03	08/13/03	08/13/03
W030000701	B17C41 TRENT	E,T,C	Sn-113 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.0130	pCi/g	1.00	0.0	08/13/03	08/13/03	08/13/03
W030000701	B17C41 TRENT	14762-78-8	Cerium-144	SOIL	LA-508-462	U	0.0191	pCi/g	1.00	0.10	08/13/03	08/13/03	08/13/03
W030000701	B17C41 TRENT	E,T,C	Ce-144 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.0640	pCi/g	1.00	0.0	08/13/03	08/13/03	08/13/03
W030000701	B17C41 TRENT	14913-50-9	Thallium-208	SOIL	LA-508-462		0.117	pCi/g	1.00	0.020	08/13/03	08/13/03	08/13/03
W030000701	B17C41 TRENT	E,T,C	Tl-208 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.0270	pCi/g	1.00	0.0	08/13/03	08/13/03	08/13/03
W030000701	B17C41 TRENT	14913-49-6	Bismuth-212	SOIL	LA-508-462		0.200	pCi/g	1.00	0.17	08/13/03	08/13/03	08/13/03
W030000701	B17C41 TRENT	E,T,C	Bi-212 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.124	pCi/g	1.00	0.0	08/13/03	08/13/03	08/13/03
W030000701	B17C41 TRENT	15092-94-1	Lead-212	SOIL	LA-508-462		0.375	pCi/g	1.00	0.028	08/13/03	08/13/03	08/13/03
W030000701	B17C41 TRENT	E,T,C	Pb-212 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.0590	pCi/g	1.00	0.0	08/13/03	08/13/03	08/13/03
W030000701	B17C41 TRENT	14733-03-0	Bismuth-214	SOIL	LA-508-462		0.312	pCi/g	1.00	0.043	08/13/03	08/13/03	08/13/03

MDL = Minimum Detection Limit
RQ = Result Qualifier

B - The analyte < the RDL but > = the IDL/MDL (inorganic)
J - Estimated Value
D - Analyte was identified at a secondary dilution factor
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: F03-012: F03-012

Group #: WSCF20031112

Sample #	Client ID		CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W030000701	B17C41	TRENT	E,T,C	Bi-214 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.0680	pCi/g	1.00	0.0	08/13/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	15067-28-4	Lead-214	SOIL	LA-508-462		0.382	pCi/g	1.00	0.035	08/13/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	E,T,C	Pb-214 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.0740	pCi/g	1.00	0.0	08/13/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	14331-83-0	Actinium-228	SOIL	LA-508-462		0.384	pCi/g	1.00	0.072	08/13/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	E,T,C	Ac-228 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.114	pCi/g	1.00	0.0	08/13/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	15065-10-8	Thorium-234	SOIL	LA-508-462	U	0.580	pCi/g	1.00	1.0	08/13/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	E,T,C	Th-234 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.393	pCi/g	1.00	0.0	08/13/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	15117-96-1	Uranium-235	SOIL	LA-508-462	U	0.0447	pCi/g	1.00	0.11	08/13/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	E,T,C	U-235 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.0270	pCi/g	1.00	0.0	08/13/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	14596-10-2	Americium-241	SOIL	LA-508-462	U	0.0110	pCi/g	1.00	0.11	08/13/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	E,T,C	Am-241 Rel Count Error (GEA)	SOIL	LA-508-462		+- 0.0620	pCi/g	1.00	0.0	08/13/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	7440-69-9	Bismuth	SOIL	LA-505-411	U	< 5.08	mg/kg	1.00	5.1	09/09/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	7440-42-8	Boron	SOIL	LA-505-411		12.2	mg/kg	1.00	5.1	09/09/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	7440-36-0	Antimony	SOIL	LA-505-412	U	< 4.94	mg/kg	9.89	4.9	09/08/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	7440-38-2	Arsenic	SOIL	LA-505-412		3.73	mg/kg	9.89	3.0	09/08/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	7440-39-3	Barium	SOIL	LA-505-412		118	mg/kg	9.89	2.0	09/08/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	7440-41-7	Beryllium	SOIL	LA-505-412	U	< 2.97	mg/kg	9.89	3.0	09/08/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	7440-43-9	Cadmium	SOIL	LA-505-412	U	< 0.989	mg/kg	9.89	0.99	09/08/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	7440-47-3	Chromium	SOIL	LA-505-412		16.4	mg/kg	9.89	3.0	09/08/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	7440-50-8	Copper	SOIL	LA-505-412		23.3	mg/kg	9.89	4.9	09/08/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	7439-92-1	Lead	SOIL	LA-505-412	U	< 11.9	mg/kg	9.89	12	09/08/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	7440-02-0	Nickel	SOIL	LA-505-412		10.0	mg/kg	9.89	4.9	09/08/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	7782-49-2	Selenium	SOIL	LA-505-412	U	< 2.97	mg/kg	9.89	3.0	09/08/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	7440-22-4	Silver	SOIL	LA-505-412		3.37	mg/kg	9.89	2.0	09/08/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	7440-61-1	Uranium	SOIL	LA-505-412	U	< 0.989	mg/kg	9.89	0.99	09/08/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	7439-97-6	Mercury	SOIL	LA-505-412	U	< 0.989	mg/kg	9.89	0.99	09/08/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	TPHGASOLINE	Total Pet. Hydrocarbons Gas	SOIL	NWTPH		4.30e+03	ug/kg	1.00	2.5e+02	08/25/03	08/13/03	08/13/03

MDL=Minimum Detection Limit
RQ=Result Qualifier

B - The analyte < the RDL but > = the IDL/MDL (inorganic)
J - Estimated Value
D - Analyte was identified at a secondary dilution factor
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: F03-012: F03-012

Group #: WSCF20031112

Sample #	Client ID		CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W030000701	B17C41	TRENT	12674-11-2	Aroclor-1016	SOIL	LA-523-427	U	< 50.0	ug/kg	1.00	50	08/25/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	11104-28-2	Aroclor-1221	SOIL	LA-523-427	U	< 100	ug/kg	1.00	1.0e+02	08/25/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	11141-16-5	Aroclor-1232	SOIL	LA-523-427	U	< 50.0	ug/kg	1.00	50	08/25/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	53469-21-9	Aroclor-1242	SOIL	LA-523-427	U	< 50.0	ug/kg	1.00	50	08/25/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	12672-29-6	Aroclor-1248	SOIL	LA-523-427	U	< 50.0	ug/kg	1.00	50	08/25/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	11097-69-1	Aroclor-1254	SOIL	LA-523-427	U	< 50.0	ug/kg	1.00	50	08/25/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	11096-82-5	Aroclor-1260	SOIL	LA-523-427	U	< 50.0	ug/kg	1.00	50	08/25/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	37324-23-5	Aroclor-1262	SOIL	LA-523-427	U	< 50.0	ug/kg	1.00	50	08/25/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	11100-14-4	Aroclor-1268	SOIL	LA-523-427	U	< 50.0	ug/kg	1.00	50	08/25/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	13981-16-3	Plutonium-238	SOIL	LA-508-471	U	8.30e-03	pCi/g	1.00	0.057	08/22/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	E,T,C	Pu-238 by AEA Total Cntg Error	SOIL	LA-508-471		+- 0.0320	pCi/g	1.00	0.0	08/22/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	PU-239/240	Pu-239/240 by AEA	SOIL	LA-508-471	U	8.30e-03	pCi/g	1.00	0.022	08/22/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	E,T,C	Pu-239/240 AEA Total Cntg Err	SOIL	LA-508-471		+- 0.0130	pCi/g	1.00	0.0	08/22/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	100-02-7	4-Nitrophenol	SOIL	LA-523-456	U	< 670	ug/kg	1.00	6.7e+02	08/20/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	106-46-7	1,4-Dichlorobenzene	SOIL	LA-523-456	U	< 320	ug/kg	1.00	3.2e+02	08/20/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	108-95-2	Phenol	SOIL	LA-523-456	U	< 100	ug/kg	1.00	1.0e+02	08/20/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	120-82-1	1,2,4-Trichlorobenzene	SOIL	LA-523-456	U	< 300	ug/kg	1.00	3.0e+02	08/20/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	121-14-2	2,4-Dinitrotoluene	SOIL	LA-523-456	U	< 69.0	ug/kg	1.00	69	08/20/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	129-00-0	Pyrene	SOIL	LA-523-456	U	< 69.0	ug/kg	1.00	69	08/20/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	59-50-7	4-Chloro-3-methylphenol	SOIL	LA-523-456	U	< 69.0	ug/kg	1.00	69	08/20/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	621-64-7	N-Nitrosodi-n-dipropylamine	SOIL	LA-523-456	U	< 69.0	ug/kg	1.00	69	08/20/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	83-32-9	Acenaphthene	SOIL	LA-523-456	U	< 69.0	ug/kg	1.00	69	08/20/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	87-86-5	Pentachlorophenol	SOIL	LA-523-456	U	< 310	ug/kg	1.00	3.1e+02	08/20/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	95-57-8	2-Chlorophenol	SOIL	LA-523-456	U	< 150	ug/kg	1.00	1.5e+02	08/20/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	100-01-6	4-Nitroaniline	SOIL	LA-523-456	U	< 250	ug/kg	1.00	2.5e+02	08/20/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	101-55-3	4-Bromophenylphenyl ether	SOIL	LA-523-456	U	< 69.0	ug/kg	1.00	69	08/20/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	105-67-9	2,4-Dimethylphenol	SOIL	LA-523-456	U	< 69.0	ug/kg	1.00	69	08/20/03	08/13/03	08/13/03

MDL = Minimum Detection Limit
RQ = Result Qualifier

B - The analyte < the RDL but > = the IDL/MDL (inorganic)
J - Estimated Value
D - Analyte was identified at a secondary dilution factor
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: F03-012: F03-012

Group #: WSCF20031112

Sample #	Client ID		CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W030000701	B17C41	TRENT	106-47-8	4-Chloroaniline	SOIL	LA-523-456	U	< 96.0	ug/kg	1.00	96	08/20/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	108-60-1	Bis(2-chloro-1-methylethyl)eth	SOIL	LA-523-456	U	< 260	ug/kg	1.00	2.6e+02	08/20/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	111-44-4	Bis(2-chloroethyl) ether	SOIL	LA-523-456	U	< 250	ug/kg	1.00	2.5e+02	08/20/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	111-91-1	Bis(2-Chloroethoxy)methane	SOIL	LA-523-456	U	< 120	ug/kg	1.00	1.2e+02	08/20/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	117-81-7	Bis(2-ethylhexyl) phthalate	SOIL	LA-523-456	U	< 580	ug/kg	1.00	5.8e+02	08/20/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	117-84-0	Di-n-octylphthalate	SOIL	LA-523-456	U	< 69.0	ug/kg	1.00	69	08/20/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	118-74-1	Hexachlorobenzene	SOIL	LA-523-456	U	< 69.0	ug/kg	1.00	69	08/20/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	120-12-7	Anthracene	SOIL	LA-523-456	U	< 69.0	ug/kg	1.00	69	08/20/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	120-83-2	2,4-Dichlorophenol	SOIL	LA-523-456	U	< 82.0	ug/kg	1.00	82	08/20/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	131-11-3	Dimethyl phthalate	SOIL	LA-523-456	U	< 69.0	ug/kg	1.00	69	08/20/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	132-64-9	Dibenzofuran	SOIL	LA-523-456	U	< 69.0	ug/kg	1.00	69	08/20/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	191-24-2	Benzo(ghi)perylene	SOIL	LA-523-456	U	< 69.0	ug/kg	1.00	69	08/20/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	193-39-5	Indeno(1,2,3-cd)pyrene	SOIL	LA-523-456	U	< 69.0	ug/kg	1.00	69	08/20/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	205-99-2	Benzo(b)fluoranthene	SOIL	LA-523-456	U	< 69.0	ug/kg	1.00	69	08/20/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	206-44-0	Fluoranthene	SOIL	LA-523-456	U	< 69.0	ug/kg	1.00	69	08/20/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	207-08-9	Benzo(k)fluoranthene	SOIL	LA-523-456	U	< 69.0	ug/kg	1.00	69	08/20/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	208-96-8	Acenaphthylene	SOIL	LA-523-456	U	< 82.0	ug/kg	1.00	82	08/20/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	218-01-9	Chrysene	SOIL	LA-523-456	U	< 69.0	ug/kg	1.00	69	08/20/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	50-32-8	Benzo(a)pyrene	SOIL	LA-523-456	U	< 69.0	ug/kg	1.00	69	08/20/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	51-28-5	2,4-Dinitrophenol	SOIL	LA-523-456	U	< 690	ug/kg	1.00	6.9e+02	08/20/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	53-70-3	Dibenz[a,h]anthracene	SOIL	LA-523-456	U	< 69.0	ug/kg	1.00	69	08/20/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	534-52-1	4,6-Dinitro-2-methylphenol	SOIL	LA-523-456	U	< 690	ug/kg	1.00	6.9e+02	08/20/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	541-73-1	1,3-Dichlorobenzene	SOIL	LA-523-456	U	< 330	ug/kg	1.00	3.3e+02	08/20/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	56-55-3	Benzo(a)anthracene	SOIL	LA-523-456	U	< 69.0	ug/kg	1.00	69	08/20/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	606-20-2	2,6-Dinitrotoluene	SOIL	LA-523-456	U	< 69.0	ug/kg	1.00	69	08/20/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	7005-72-3	4-Chlorophenylphenyl ether	SOIL	LA-523-456	U	< 69.0	ug/kg	1.00	69	08/20/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	77-47-4	Hexachlorocyclopentadiene	SOIL	LA-523-456	U	< 320	ug/kg	1.00	3.2e+02	08/20/03	08/13/03	08/13/03

MDL=Minimum Detection Limit
RQ=Result Qualifier

B - The analyte < the RDL but > = the IDL/MDL (inorganic)
J - Estimated Value
D - Analyte was identified at a secondary dilution factor
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: F03-012: F03-012

Group #: WSCF20031112

Sample #	Client ID		CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W030000701	B17C41	TRENT	78-59-1	Isophorone	SOIL	LA-523-456		2.70e+03	ug/kg	1.00	69	08/20/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	84-66-2	Diethylphthalate	SOIL	LA-523-456		650	ug/kg	1.00	1.9e+02	08/20/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	84-74-2	Di-n-butylphthalate	SOIL	LA-523-456	U	< 89.0	ug/kg	1.00	89	08/20/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	85-01-8	Phenanthrene	SOIL	LA-523-456	U	< 69.0	ug/kg	1.00	69	08/20/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	85-68-7	Butylbenzylphthalate	SOIL	LA-523-456	U	< 69.0	ug/kg	1.00	69	08/20/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	86-30-6	N-Nitrosodiphenylamine	SOIL	LA-523-456	U	< 69.0	ug/kg	1.00	69	08/20/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	86-73-7	Fluorene	SOIL	LA-523-456	U	< 69.0	ug/kg	1.00	69	08/20/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	86-74-8	Carbazole	SOIL	LA-523-456	U	< 82.0	ug/kg	1.00	82	08/20/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	87-68-3	Hexachlorobutadiene	SOIL	LA-523-456	U	< 380	ug/kg	1.00	3.8e+02	08/20/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	88-74-4	2-Nitroaniline	SOIL	LA-523-456	U	< 69.0	ug/kg	1.00	69	08/20/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	88-75-5	2-Nitrophenol	SOIL	LA-523-456	U	< 180	ug/kg	1.00	1.8e+02	08/20/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	91-20-3	Naphthalene	SOIL	LA-523-456		300	ug/kg	1.00	3.0e+02	08/20/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	91-57-6	2-Methylnaphthalene	SOIL	LA-523-456	U	< 190	ug/kg	1.00	1.9e+02	08/20/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	91-58-7	2-Chloronaphthalene	SOIL	LA-523-456	U	< 69.0	ug/kg	1.00	69	08/20/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	91-94-1	3,3'-Dichlorobenzidine	SOIL	LA-523-456	U	< 82.0	ug/kg	1.00	82	08/20/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	95-48-7	2-Methylphenol (cresol, o-)	SOIL	LA-523-456	U	< 69.0	ug/kg	1.00	69	08/20/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	95-50-1	1,2-Dichlorobenzene	SOIL	LA-523-456	U	< 370	ug/kg	1.00	3.7e+02	08/20/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	95-95-4	2,4,5-Trichlorophenol	SOIL	LA-523-456	U	< 75.0	ug/kg	1.00	75	08/20/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	98-95-3	Nitrobenzene	SOIL	LA-523-456	U	< 270	ug/kg	1.00	2.7e+02	08/20/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	99-09-2	3-Nitroaniline	SOIL	LA-523-456	U	< 69.0	ug/kg	1.00	69	08/20/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	65794-96-9	3 & 4 Methylphenol Total	SOIL	LA-523-456		2.00e+03	ug/kg	1.00	1.2e+02	08/20/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	67-72-1	Hexachloroethane	SOIL	LA-523-456	U	< 480	ug/kg	1.00	4.8e+02	08/20/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	88-06-2	2,4,6-Trichlorophenol	SOIL	LA-523-456	U	< 69.0	ug/kg	1.00	69	08/20/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	100-51-6	Benzyl alcohol	SOIL	LA-523-456	U	< 75.0	ug/kg	1.00	75	08/20/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	111-76-2	2-Butoxyethanol	SOIL	LA-523-456	U	< 100	ug/kg	1.00	1.0e+02	08/20/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	126-73-8	Tributyl phosphate	SOIL	LA-523-456		370	ug/kg	1.00	69	08/20/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	U-233/234	Uranium-233/234	SOIL	LA-508-471		0.190	pCi/g	1.00	0.017	08/22/03	08/13/03	08/13/03

MDL=Minimum Detection Limit
RQ=Result Qualifier

B - The analyte < the RDL but > = the IDL/MDL (inorganic)
J - Estimated Value
D - Analyte was identified at a secondary dilution factor
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: F03-012: F03-012

Group #: WSCF20031112

Sample #	Client ID		CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W030000701	B17C41	TRENT	E,T,C	U-233/234 AEA Total Cntg Error	SOIL	LA-508-471		+- 0.0610	pCi/g	1.00	0.0	08/22/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	15117-96-1	Uranium-235	SOIL	LA-508-471		0.0160	pCi/g	1.00	0.015	08/22/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	E,T,C	U-235 by AEA Total Cntg Error	SOIL	LA-508-471		+- 0.0130	pCi/g	1.00	0.0	08/22/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	U-238	Uranium-238	SOIL	LA-508-471		0.220	pCi/g	1.00	0.014	08/22/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	E,T,C	U-238 by AEA Total Cntg Error	SOIL	LA-508-471		+- 0.0700	pCi/g	1.00	0.10	08/22/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	75-35-4	1,1-Dichloroethene	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	08/25/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	79-01-6	Trichloroethene	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	08/25/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	71-43-2	Benzene	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	08/25/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	108-88-3	Toluene	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	08/25/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	108-90-7	Chlorobenzene	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	08/25/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	75-34-3	1,1-Dichloroethane	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	08/25/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	100-41-4	Ethylbenzene	SOIL	LA-523-455	J	17.0	ug/kg	1.00	2.1	08/25/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	100-42-5	Styrene	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	08/25/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	10061-01-5	cis-1,3-Dichloropropene	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	08/25/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	10061-02-6	trans-1,3-Dichloropropene	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	08/25/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	107-06-2	1,2-Dichloroethane	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	08/25/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	108-10-1	4-Methyl-2-Pentanone	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	08/25/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	124-48-1	Dibromochloromethane	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	08/25/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	127-18-4	Tetrachloroethene	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	08/25/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	1330-20-7	Xylenes (total)	SOIL	LA-523-455		140	ug/kg	1.00	2.1	08/25/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	540-59-0	1,2-Dichloroethene(Total)	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	08/25/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	56-23-5	Carbon tetrachloride	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	08/25/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	591-78-6	2-Hexanone	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	08/25/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	67-64-1	Acetone	SOIL	LA-523-455	B	45.0	ug/kg	1.00	2.1	08/25/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	67-66-3	Chloroform	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	08/25/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	71-55-6	1,1,1-Trichloroethane	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	08/25/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	74-83-9	Bromomethane	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	08/25/03	08/13/03	08/13/03

MDL=Minimum Detection Limit
RQ=Result Qualifier

B - The analyte < the RDL but > = the IDL/MDL (inorganic)
J - Estimated Value
D - Analyte was identified at a secondary dilution factor
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: F03-012: F03-012

Group #: WSCF20031112

Sample #	Client ID		CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W030000701	B17C41	TRENT	74-87-3	Chloromethane	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	08/25/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	75-00-3	Chloroethane	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	08/25/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	75-01-4	Vinyl chloride	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	08/25/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	75-09-2	Methylenechloride	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	08/25/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	75-15-0	Carbon disulfide	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	08/25/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	75-25-2	Bromoform	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	08/25/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	75-27-4	Bromodichloromethane	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	08/25/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	78-87-5	1,2-Dichloropropane	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	08/25/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	78-93-3	2-Butanone	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	08/25/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	79-00-5	1,1,2-Trichloroethane	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	08/25/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	79-34-5	1,1,2,2-Tetrachloroethane	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	08/25/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	71-36-3	1-Butanol	SOIL	LA-523-455	U	< 42.0	ug/kg	1.00	42	08/25/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	107-87-9	2-Pentanone	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	08/25/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	104-51-8	n-Butylbenzene	SOIL	LA-523-455	J	8.00	ug/kg	1.00	2.1	08/25/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	TPHDIESEL	Total Pet. Hydrocarbons Diesel	SOIL	NWTPH		2.80e+04	ug/kg	1.00	3.9e+03	08/22/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	TPHKEROSENE	Kerosene	SOIL	NWTPH	U	< 5.20e+03	ug/kg	1.00	5.2e+03	08/22/03	08/13/03	08/13/03
W030000701	B17C41	TRENT	TPHDIESEL	Total petroleum hydrocarbons -	SOIL	NWTPH		4.50e+05	ug/kg	1.00	6.5e+03	08/22/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	57-12-5	Cyanide	SOIL	LA-695-402	U	< 0.200	mg/kg	1.00	0.20	09/09/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	NH4-N	Nitrogen in ammonium	SOIL	LA-503-401	U	< 0.0800	mg/kg	20.00	0.080	08/19/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	TS	Total solids	SOIL	LA-519-412		97.0	%	1.00	0.0	08/27/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	PH	pH Measurement	SOIL	LA-212-411		12.4	pH	1.00	0.010	08/20/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	60-29-7	Diethyl ether	SOIL	Organics	U	< 5.00e+03	ug/kg	1.00	5.0e+03	08/26/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	67-56-1	Methanol	SOIL	Organics	U	< 1.00e+03	ug/kg	1.00	1.0e+03	08/26/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	107-21-1	Ethylene glycol	SOIL	Organics	U	< 5.00e+03	ug/kg	1.00	5.0e+03	08/26/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	14596-10-2	Americium-241	SOIL	LA-508-471	U	0.0270	pCi/g	1.00	0.048	08/22/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	E,T,C	Am-241 by AEA Total Cntg Error	SOIL	LA-508-471		+- 0.0300	pCi/g	1.00	0.0	08/22/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	16984-48-8	Fluoride	SOIL	LA-533-410	U	< 0.686	mg/kg	98.00	0.69	08/19/03	08/13/03	08/13/03

MDL = Minimum Detection Limit
RQ = Result Qualifier

B - The analyte < the RDL but > = the IDL/MDL (inorganic)
J - Estimated Value
D - Analyte was identified at a secondary dilution factor
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: F03-012: F03-012

Group #: WSCF20031112

Sample #	Client ID	CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W030000704	B17C42 TRENT	16887-00-6	Chloride	SOIL	LA-533-410	U	< 1.37	mg/kg	98.00	1.4	08/19/03	08/13/03	08/13/03
W030000704	B17C42 TRENT	NO2-N	Nitrogen in Nitrite	SOIL	LA-533-410	U	< 0.882	mg/kg	98.00	0.88	08/19/03	08/13/03	08/13/03
W030000704	B17C42 TRENT	NO3-N	Nitrogen in Nitrate	SOIL	LA-533-410	U	< 0.490	mg/kg	98.00	0.49	08/19/03	08/13/03	08/13/03
W030000704	B17C42 TRENT	14265-44-2	Phosphate	SOIL	LA-533-410	U	< 1.27	mg/kg	98.00	1.3	08/19/03	08/13/03	08/13/03
W030000704	B17C42 TRENT	14808-79-8	Sulfate	SOIL	LA-533-410		41.3	mg/kg	98.00	2.4	08/19/03	08/13/03	08/13/03
W030000704	B17C42 TRENT	10198-40-0	Cobalt-60	SOIL	LA-508-462	U	-6.58e-03	pCi/g	1.00	0.021	08/13/03	08/13/03	08/13/03
W030000704	B17C42 TRENT	E,T,C	Co-60 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.0130	pCi/g	1.00	0.0	08/13/03	08/13/03	08/13/03
W030000704	B17C42 TRENT	14234-35-6	Antimony-125	SOIL	LA-508-462	U	-0.0122	pCi/g	1.00	0.041	08/13/03	08/13/03	08/13/03
W030000704	B17C42 TRENT	E,T,C	Sb-125 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.0240	pCi/g	1.00	0.0	08/13/03	08/13/03	08/13/03
W030000704	B17C42 TRENT	13967-70-9	Cesium-134	SOIL	LA-508-462	U	0.0291	pCi/g	1.00	0.022	08/13/03	08/13/03	08/13/03
W030000704	B17C42 TRENT	E,T,C	Cs-134 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.0210	pCi/g	1.00	0.0	08/13/03	08/13/03	08/13/03
W030000704	B17C42 TRENT	10045-97-3	Cesium-137	SOIL	LA-508-462	U	0.0154	pCi/g	1.00	0.018	08/13/03	08/13/03	08/13/03
W030000704	B17C42 TRENT	E,T,C	Cs-137 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.0170	pCi/g	1.00	0.0	08/13/03	08/13/03	08/13/03
W030000704	B17C42 TRENT	14683-23-9	Europium-152	SOIL	LA-508-462	U	-9.04e-03	pCi/g	1.00	0.041	08/13/03	08/13/03	08/13/03
W030000704	B17C42 TRENT	E,T,C	Eu-152 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.0270	pCi/g	1.00	0.0	08/13/03	08/13/03	08/13/03
W030000704	B17C42 TRENT	15585-10-1	Europium-154	SOIL	LA-508-462	U	-0.0486	pCi/g	1.00	0.066	08/13/03	08/13/03	08/13/03
W030000704	B17C42 TRENT	E,T,C	Eu-154 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.0500	pCi/g	1.00	0.0	08/13/03	08/13/03	08/13/03
W030000704	B17C42 TRENT	14391-16-3	Europium-155	SOIL	LA-508-462	U	9.14e-03	pCi/g	1.00	0.047	08/13/03	08/13/03	08/13/03
W030000704	B17C42 TRENT	E,T,C	Eu-155 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.0270	pCi/g	1.00	0.0	08/13/03	08/13/03	08/13/03
W030000704	B17C42 TRENT	15832-50-5	Tin-126	SOIL	LA-508-462	U	0.110	pCi/g	1.00	0.11	08/13/03	08/13/03	08/13/03
W030000704	B17C42 TRENT	E,T,C	Sn-126 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.0340	pCi/g	1.00	0.0	08/13/03	08/13/03	08/13/03
W030000704	B17C42 TRENT	15262-20-1	Radium-228	SOIL	LA-508-462		0.421	pCi/g	1.00	0.064	08/13/03	08/13/03	08/13/03
W030000704	B17C42 TRENT	E,T,C	Ra-228 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.102	pCi/g	1.00	0.0	08/13/03	08/13/03	08/13/03
W030000704	B17C42 TRENT	13982-63-3	Radium-226	SOIL	LA-508-462		0.338	pCi/g	1.00	0.037	08/13/03	08/13/03	08/13/03
W030000704	B17C42 TRENT	E,T,C	Ra-226 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.0640	pCi/g	1.00	0.0	08/13/03	08/13/03	08/13/03
W030000704	B17C42 TRENT	13982-39-3	Zinc-65	SOIL	LA-508-462	U	-9.46e-03	pCi/g	1.00	0.044	08/13/03	08/13/03	08/13/03
W030000704	B17C42 TRENT	E,T,C	Zn-65 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.0310	pCi/g	1.00	0.0	08/13/03	08/13/03	08/13/03

MDL=Minimum Detection Limit
RQ=Result Qualifier

B - The analyte < the RDL but > = the IDL/MDL (inorganic)
J - Estimated Value
D - Analyte was identified at a secondary dilution factor
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: F03-012: F03-012

Group #: WSCF20031112

Sample #	Client ID		CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W030000704	B17C42	TRENT	14681-63-1	Niobium-94	SOIL	LA-508-462	U	0.0132	pCi/g	1.00	0.019	08/13/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	E,T,C	Nb-94 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.0110	pCi/g	1.00	0.0	08/13/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	13968-53-1	Ruthenium-103	SOIL	LA-508-462	U	1.61e-03	pCi/g	1.00	0.015	08/13/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	E,T,C	Ru-103 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 9.00e-03	pCi/g	1.00	0.0	08/13/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	13967-48-1	Ruthenium-106	SOIL	LA-508-462	U	-0.0629	pCi/g	1.00	0.16	08/13/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	E,T,C	Ru-106 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.0960	pCi/g	1.00	0.0	08/13/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	13966-06-8	Tin-113	SOIL	LA-508-462	U	3.02e-04	pCi/g	1.00	0.018	08/13/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	E,T,C	Sn-113 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 3.00e-03	pCi/g	1.00	0.0	08/13/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	14762-78-8	Cerium-144	SOIL	LA-508-462	U	0.0415	pCi/g	1.00	0.088	08/13/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	E,T,C	Ce-144 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.0560	pCi/g	1.00	0.0	08/13/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	14913-50-9	Thallium-208	SOIL	LA-508-462		0.127	pCi/g	1.00	0.017	08/13/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	E,T,C	Tl-208 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.0270	pCi/g	1.00	0.0	08/13/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	14913-49-6	Bismuth-212	SOIL	LA-508-462		0.350	pCi/g	1.00	0.14	08/13/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	E,T,C	Bi-212 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.143	pCi/g	1.00	0.0	08/13/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	15092-94-1	Lead-212	SOIL	LA-508-462		0.366	pCi/g	1.00	0.028	08/13/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	E,T,C	Pb-212 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.0560	pCi/g	1.00	0.0	08/13/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	14733-03-0	Bismuth-214	SOIL	LA-508-462		0.338	pCi/g	1.00	0.037	08/13/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	E,T,C	Bi-214 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.0640	pCi/g	1.00	0.0	08/13/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	15067-28-4	Lead-214	SOIL	LA-508-462		0.367	pCi/g	1.00	0.030	08/13/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	E,T,C	Pb-214 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.0660	pCi/g	1.00	0.0	08/13/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	14331-83-0	Actinium-228	SOIL	LA-508-462		0.421	pCi/g	1.00	0.064	08/13/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	E,T,C	Ac-228 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.102	pCi/g	1.00	0.0	08/13/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	15065-10-8	Thorium-234	SOIL	LA-508-462		0.953	pCi/g	1.00	0.73	08/13/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	E,T,C	Th-234 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.900	pCi/g	1.00	0.0	08/13/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	15117-96-1	Uranium-235	SOIL	LA-508-462	U	0.0360	pCi/g	1.00	0.094	08/13/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	E,T,C	U-235 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.0260	pCi/g	1.00	0.0	08/13/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	14596-10-2	Americium-241	SOIL	LA-508-462	U	0.0240	pCi/g	1.00	0.094	08/13/03	08/13/03	08/13/03

MDL = Minimum Detection Limit
RQ = Result Qualifier

B - The analyte < the RDL but > = the IDL/MDL (inorganic)
J - Estimated Value
D - Analyte was identified at a secondary dilution factor
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: F03-012: F03-012

Group #: WSCF20031112

Sample #	Client ID		CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W030000704	B17C42	TRENT	E,T,C	Am-241 Rel Count Error (GEA)	SOIL	LA-508-462		+- 0.0610	pCi/g	1.00	0.0	08/13/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	7440-69-9	Bismuth	SOIL	LA-505-411	U	< 5.09	mg/kg	1.00	5.1	09/09/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	7440-42-8	Boron	SOIL	LA-505-411		12.0	mg/kg	1.00	5.1	09/09/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	7440-36-0	Antimony	SOIL	LA-505-412	U	< 4.96	mg/kg	9.92	5.0	09/08/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	7440-38-2	Arsenic	SOIL	LA-505-412	U	< 2.98	mg/kg	9.92	3.0	09/08/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	7440-39-3	Barium	SOIL	LA-505-412		124	mg/kg	9.92	2.0	09/08/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	7440-41-7	Beryllium	SOIL	LA-505-412	U	< 2.98	mg/kg	9.92	3.0	09/08/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	7440-43-9	Cadmium	SOIL	LA-505-412	U	< 0.992	mg/kg	9.92	0.99	09/08/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	7440-47-3	Chromium	SOIL	LA-505-412		15.4	mg/kg	9.92	3.0	09/08/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	7440-50-8	Copper	SOIL	LA-505-412		22.4	mg/kg	9.92	5.0	09/08/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	7439-92-1	Lead	SOIL	LA-505-412	U	< 11.9	mg/kg	9.92	12	09/08/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	7440-02-0	Nickel	SOIL	LA-505-412		9.55	mg/kg	9.92	5.0	09/08/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	7782-49-2	Selenium	SOIL	LA-505-412	U	< 2.98	mg/kg	9.92	3.0	09/08/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	7440-22-4	Silver	SOIL	LA-505-412		5.03	mg/kg	9.92	2.0	09/08/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	7440-61-1	Uranium	SOIL	LA-505-412	U	< 0.992	mg/kg	9.92	0.99	09/08/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	7439-97-6	Mercury	SOIL	LA-505-412	U	< 0.992	mg/kg	9.92	0.99	09/08/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	TPHGASOLINE	Total Pet. Hydrocarbons Gas	SOIL	NWTPH		4.64e+03	ug/kg	1.00	2.5e+02	08/25/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	12674-11-2	Aroclor-1016	SOIL	LA-523-427	U	< 47.0	ug/kg	1.00	47	08/25/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	11104-28-2	Aroclor-1221	SOIL	LA-523-427	U	< 94.0	ug/kg	1.00	94	08/25/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	11141-16-5	Aroclor-1232	SOIL	LA-523-427	U	< 47.0	ug/kg	1.00	47	08/25/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	53469-21-9	Aroclor-1242	SOIL	LA-523-427	U	< 47.0	ug/kg	1.00	47	08/25/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	12672-29-6	Aroclor-1248	SOIL	LA-523-427	U	< 47.0	ug/kg	1.00	47	08/25/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	11097-69-1	Aroclor-1254	SOIL	LA-523-427	U	< 47.0	ug/kg	1.00	47	08/25/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	11096-82-5	Aroclor-1260	SOIL	LA-523-427	U	< 47.0	ug/kg	1.00	47	08/25/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	37324-23-5	Aroclor-1262	SOIL	LA-523-427	U	< 47.0	ug/kg	1.00	47	08/25/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	11100-14-4	Aroclor-1268	SOIL	LA-523-427	U	< 47.0	ug/kg	1.00	47	08/25/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	13981-16-3	Plutonium-238	SOIL	LA-508-471	U	1.90e-03	pCi/g	1.00	0.027	08/22/03	08/13/03	08/13/03

MDL=Minimum Detection Limit
RQ=Result Qualifier

B - The analyte < the RDL but > = the IDL/MDL (inorganic)
J - Estimated Value
D - Analyte was identified at a secondary dilution factor
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: F03-012: F03-012

Group #: WSCF20031112

Sample #	Client ID		CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W030000704	B17C42	TRENT	E,T,C	Pu-238 by AEA Total Cntg Error	SOIL	LA-508-471		+- 2.00e-03	pCi/g	1.00	0.0	08/22/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	PU-239/240	Pu-239/240 by AEA	SOIL	LA-508-471	U	3.80e-03	pCi/g	1.00	0.014	08/22/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	E,T,C	Pu-239/240 AEA Total Cntg Err	SOIL	LA-508-471		+- 8.00e-03	pCi/g	1.00	0.0	08/22/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	100-02-7	4-Nitrophenol	SOIL	LA-523-456	U	< 660	ug/kg	1.00	6.6e+02	08/20/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	106-46-7	1,4-Dichlorobenzene	SOIL	LA-523-456	U	< 320	ug/kg	1.00	3.2e+02	08/20/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	108-95-2	Phenol	SOIL	LA-523-456	U	< 100	ug/kg	1.00	1.0e+02	08/20/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	120-82-1	1,2,4-Trichlorobenzene	SOIL	LA-523-456	U	< 300	ug/kg	1.00	3.0e+02	08/20/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	121-14-2	2,4-Dinitrotoluene	SOIL	LA-523-456	U	< 68.0	ug/kg	1.00	68	08/20/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	129-00-0	Pyrene	SOIL	LA-523-456	U	< 68.0	ug/kg	1.00	68	08/20/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	59-50-7	4-Chloro-3-methylphenol	SOIL	LA-523-456	U	< 68.0	ug/kg	1.00	68	08/20/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	621-64-7	N-Nitrosodi-n-dipropylamine	SOIL	LA-523-456	U	< 68.0	ug/kg	1.00	68	08/20/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	83-32-9	Acenaphthene	SOIL	LA-523-456	U	< 68.0	ug/kg	1.00	68	08/20/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	87-86-5	Pentachlorophenol	SOIL	LA-523-456	U	< 310	ug/kg	1.00	3.1e+02	08/20/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	95-57-8	2-Chlorophenol	SOIL	LA-523-456	U	< 150	ug/kg	1.00	1.5e+02	08/20/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	100-01-6	4-Nitroaniline	SOIL	LA-523-456	U	< 250	ug/kg	1.00	2.5e+02	08/20/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	101-55-3	4-Bromophenylphenyl ether	SOIL	LA-523-456	U	< 68.0	ug/kg	1.00	68	08/20/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	105-67-9	2,4-Dimethylphenol	SOIL	LA-523-456	U	< 68.0	ug/kg	1.00	68	08/20/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	106-47-8	4-Chloroaniline	SOIL	LA-523-456	U	< 95.0	ug/kg	1.00	95	08/20/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	108-60-1	Bis(2-chloro-1-methylethyl)eth	SOIL	LA-523-456	U	< 260	ug/kg	1.00	2.6e+02	08/20/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	111-44-4	Bis(2-chloroethyl) ether	SOIL	LA-523-456	U	< 250	ug/kg	1.00	2.5e+02	08/20/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	111-91-1	Bis(2-Chloroethoxy)methane	SOIL	LA-523-456	U	< 120	ug/kg	1.00	1.2e+02	08/20/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	117-81-7	Bis(2-ethylhexyl) phthalate	SOIL	LA-523-456	U	< 570	ug/kg	1.00	5.7e+02	08/20/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	117-84-0	Di-n-octylphthalate	SOIL	LA-523-456	U	< 68.0	ug/kg	1.00	68	08/20/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	118-74-1	Hexachlorobenzene	SOIL	LA-523-456	U	< 68.0	ug/kg	1.00	68	08/20/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	120-12-7	Anthracene	SOIL	LA-523-456	U	< 68.0	ug/kg	1.00	68	08/20/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	120-83-2	2,4-Dichlorophenol	SOIL	LA-523-456	U	< 82.0	ug/kg	1.00	82	08/20/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	131-11-3	Dimethyl phthalate	SOIL	LA-523-456	U	< 68.0	ug/kg	1.00	68	08/20/03	08/13/03	08/13/03

MDL = Minimum Detection Limit
RQ = Result Qualifier

B - The analyte < the RDL but > = the IDL/MDL (inorganic)
J - Estimated Value
D - Analyte was identified at a secondary dilution factor
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: F03-012: F03-012

Group #: WSCF20031112

Sample #	Client ID		CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W030000704	B17C42	TRENT	132-64-9	Dibenzofuran	SOIL	LA-523-456	U	< 68.0	ug/kg	1.00	68	08/20/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	191-24-2	Benzo(ghi)perylene	SOIL	LA-523-456	U	< 68.0	ug/kg	1.00	68	08/20/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	193-39-5	Indeno(1,2,3-cd)pyrene	SOIL	LA-523-456	U	< 68.0	ug/kg	1.00	68	08/20/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	205-99-2	Benzo(b)fluoranthene	SOIL	LA-523-456	U	< 68.0	ug/kg	1.00	68	08/20/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	206-44-0	Fluoranthene	SOIL	LA-523-456	U	< 68.0	ug/kg	1.00	68	08/20/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	207-08-9	Benzo(k)fluoranthene	SOIL	LA-523-456	U	< 68.0	ug/kg	1.00	68	08/20/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	208-96-8	Acenaphthylene	SOIL	LA-523-456	U	< 82.0	ug/kg	1.00	82	08/20/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	218-01-9	Chrysene	SOIL	LA-523-456	U	< 68.0	ug/kg	1.00	68	08/20/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	50-32-8	Benzo(a)pyrene	SOIL	LA-523-456	U	< 68.0	ug/kg	1.00	68	08/20/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	51-28-5	2,4-Dinitrophenol	SOIL	LA-523-456	U	< 680	ug/kg	1.00	6.8e+02	08/20/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	53-70-3	Dibenz[a,h]anthracene	SOIL	LA-523-456	U	< 68.0	ug/kg	1.00	68	08/20/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	534-52-1	4,6-Dinitro-2-methylphenol	SOIL	LA-523-456	U	< 680	ug/kg	1.00	6.8e+02	08/20/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	541-73-1	1,3-Dichlorobenzene	SOIL	LA-523-456	U	< 330	ug/kg	1.00	3.3e+02	08/20/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	56-55-3	Benzo(a)anthracene	SOIL	LA-523-456	U	< 68.0	ug/kg	1.00	68	08/20/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	606-20-2	2,6-Dinitrotoluene	SOIL	LA-523-456	U	< 68.0	ug/kg	1.00	68	08/20/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	7005-72-3	4-Chlorophenylphenyl ether	SOIL	LA-523-456	U	< 68.0	ug/kg	1.00	68	08/20/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	77-47-4	Hexachlorocyclopentadiene	SOIL	LA-523-456	U	< 320	ug/kg	1.00	3.2e+02	08/20/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	78-59-1	Isophorone	SOIL	LA-523-456	D	1.18e+04	ug/kg	4.00	2.7e+02	08/20/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	84-66-2	Diethylphthalate	SOIL	LA-523-456	U	< 190	ug/kg	1.00	1.9e+02	08/20/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	84-74-2	Di-n-butylphthalate	SOIL	LA-523-456	U	< 89.0	ug/kg	1.00	89	08/20/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	85-01-8	Phenanthrene	SOIL	LA-523-456	U	< 68.0	ug/kg	1.00	68	08/20/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	85-68-7	Butylbenzylphthalate	SOIL	LA-523-456	U	< 68.0	ug/kg	1.00	68	08/20/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	86-30-6	N-Nitrosodiphenylamine	SOIL	LA-523-456	U	< 68.0	ug/kg	1.00	68	08/20/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	86-73-7	Fluorene	SOIL	LA-523-456	U	< 68.0	ug/kg	1.00	68	08/20/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	86-74-8	Carbazole	SOIL	LA-523-456	U	< 82.0	ug/kg	1.00	82	08/20/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	87-68-3	Hexachlorobutadiene	SOIL	LA-523-456	U	< 370	ug/kg	1.00	3.7e+02	08/20/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	88-74-4	2-Nitroaniline	SOIL	LA-523-456	U	< 68.0	ug/kg	1.00	68	08/20/03	08/13/03	08/13/03

MDL=Minimum Detection Limit
RQ=Result Qualifier

B - The analyte < the RDL but > = the IDL/MDL (inorganic)
J - Estimated Value
D - Analyte was identified at a secondary dilution factor
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: F03-012: F03-012

Group #: WSCF20031112

Sample #	Client ID		CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W030000704	B17C42	TRENT	88-75-5	2-Nitrophenol	SOIL	LA-523-456	U	< 180	ug/kg	1.00	1.8e+02	08/20/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	91-20-3	Naphthalene	SOIL	LA-523-456		4.20e+03	ug/kg	1.00	2.9e+02	08/20/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	91-57-6	2-Methylnaphthalene	SOIL	LA-523-456		1.00e+03	ug/kg	1.00	1.8e+02	08/20/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	91-58-7	2-Chloronaphthalene	SOIL	LA-523-456	U	< 68.0	ug/kg	1.00	68	08/20/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	91-94-1	3,3'-Dichlorobenzidine	SOIL	LA-523-456	U	< 82.0	ug/kg	1.00	82	08/20/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	95-48-7	2-Methylphenol (cresol, o-)	SOIL	LA-523-456	U	< 68.0	ug/kg	1.00	68	08/20/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	95-50-1	1,2-Dichlorobenzene	SOIL	LA-523-456	U	< 370	ug/kg	1.00	3.7e+02	08/20/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	95-95-4	2,4,5-Trichlorophenol	SOIL	LA-523-456	U	< 75.0	ug/kg	1.00	75	08/20/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	98-95-3	Nitrobenzene	SOIL	LA-523-456	U	< 270	ug/kg	1.00	2.7e+02	08/20/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	99-09-2	3-Nitroaniline	SOIL	LA-523-456	U	< 68.0	ug/kg	1.00	68	08/20/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	65794-96-9	3 & 4 Methylphenol Total	SOIL	LA-523-456	U	< 120	ug/kg	1.00	1.2e+02	08/20/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	67-72-1	Hexachloroethane	SOIL	LA-523-456	U	< 480	ug/kg	1.00	4.8e+02	08/20/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	88-06-2	2,4,6-Trichlorophenol	SOIL	LA-523-456	U	< 68.0	ug/kg	1.00	68	08/20/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	100-51-6	Benzyl alcohol	SOIL	LA-523-456	U	< 75.0	ug/kg	1.00	75	08/20/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	111-76-2	2-Butoxyethanol	SOIL	LA-523-456	U	< 100	ug/kg	1.00	1.0e+02	08/20/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	126-73-8	Tributyl phosphate	SOIL	LA-523-456	U	< 68.0	ug/kg	1.00	68	08/20/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	U-233/234	Uranium-233/234	SOIL	LA-508-471		0.200	pCi/g	1.00	0.018	08/22/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	E,T,C	U-233/234 AEA Total Cntg Error	SOIL	LA-508-471		+- 0.0640	pCi/g	1.00	0.0	08/22/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	15117-96-1	Uranium-235	SOIL	LA-508-471		0.0210	pCi/g	1.00	5.7e-03	08/22/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	E,T,C	U-235 by AEA Total Cntg Error	SOIL	LA-508-471		+- 0.0140	pCi/g	1.00	0.0	08/22/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	U-238	Uranium-238	SOIL	LA-508-471		0.200	pCi/g	1.00	0.014	08/22/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	E,T,C	U-238 by AEA Total Cntg Error	SOIL	LA-508-471		+- 0.0640	pCi/g	1.00	0.10	08/22/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	75-35-4	1,1-Dichloroethene	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	08/25/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	79-01-6	Trichloroethene	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	08/25/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	71-43-2	Benzene	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	08/25/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	108-88-3	Toluene	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	08/25/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	108-90-7	Chlorobenzene	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	08/25/03	08/13/03	08/13/03

MDL = Minimum Detection Limit
RQ = Result Qualifier

B - The analyte < the RDL but > = the IDL/MDL (inorganic)
J - Estimated Value
D - Analyte was identified at a secondary dilution factor
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: F03-012: F03-012

Group #: WSCF20031112

Sample #	Client ID		CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W030000704	B17C42	TRENT	75-34-3	1,1-Dichloroethane	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	08/25/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	100-41-4	Ethylbenzene	SOIL	LA-523-455		39.0	ug/kg	1.00	2.1	08/25/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	100-42-5	Styrene	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	08/25/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	10061-01-5	cis-1,3-Dichloropropene	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	08/25/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	10061-02-6	trans-1,3-Dichloropropene	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	08/25/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	107-06-2	1,2-Dichloroethane	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	08/25/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	108-10-1	4-Methyl-2-Pentanone	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	08/25/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	124-48-1	Dibromochloromethane	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	08/25/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	127-18-4	Tetrachloroethene	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	08/25/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	1330-20-7	Xylenes (total)	SOIL	LA-523-455		68.0	ug/kg	1.00	2.1	08/25/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	540-59-0	1,2-Dichloroethene(Total)	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	08/25/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	56-23-5	Carbon tetrachloride	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	08/25/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	591-78-6	2-Hexanone	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	08/25/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	67-64-1	Acetone	SOIL	LA-523-455	B	120	ug/kg	1.00	2.1	08/25/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	67-66-3	Chloroform	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	08/25/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	71-55-6	1,1,1-Trichloroethane	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	08/25/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	74-83-9	Bromomethane	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	08/25/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	74-87-3	Chloromethane	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	08/25/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	75-00-3	Chloroethane	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	08/25/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	75-01-4	Vinyl chloride	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	08/25/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	75-09-2	Methylenechloride	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	08/25/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	75-15-0	Carbon disulfide	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	08/25/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	75-25-2	Bromoform	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	08/25/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	75-27-4	Bromodichloromethane	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	08/25/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	78-87-5	1,2-Dichloropropane	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	08/25/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	78-93-3	2-Butanone	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	08/25/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	79-00-5	1,1,2-Trichloroethane	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	08/25/03	08/13/03	08/13/03

MDL = Minimum Detection Limit
RQ = Result Qualifier

B - The analyte < the RDL but > = the IDL/MDL (inorganic)
J - Estimated Value
D - Analyte was identified at a secondary dilution factor
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: F03-012: F03-012

Group #: WSCF20031112

Sample #	Client ID		CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W030000704	B17C42	TRENT	79-34-5	1,1,2,2-Tetrachloroethane	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	08/25/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	71-36-3	1-Butanol	SOIL	LA-523-455	U	< 41.0	ug/kg	1.00	41	08/25/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	107-87-9	2-Pentanone	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	08/25/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	104-51-8	n-Butylbenzene	SOIL	LA-523-455	J	17.0	ug/kg	1.00	2.1	08/25/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	TPHDIESEL	Total Pet. Hydrocarbons Diesel	SOIL	NWTPH		6.60e+04	ug/kg	1.00	3.8e+03	08/22/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	TPHKEROSENE	Kerosene	SOIL	NWTPH	U	< 5.10e+03	ug/kg	1.00	5.1e+03	08/22/03	08/13/03	08/13/03
W030000704	B17C42	TRENT	TPHDIESEL	Total petroleum hydrocarbons -	SOIL	NWTPH		6.70e+04	ug/kg	1.00	6.4e+03	08/22/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	57-12-5	Cyanide	SOIL	LA-695-402	U	< 0.200	mg/kg	1.00	0.20	09/09/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	NH4-N	Nitrogen in ammonium	SOIL	LA-503-401	U	< 0.0760	mg/kg	19.00	0.076	08/19/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	TS	Total solids	SOIL	LA-519-412		96.3	%	1.00	0.0	08/27/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	PH	pH Measurement	SOIL	LA-212-411		12.4	pH	1.00	0.010	08/20/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	60-29-7	Diethyl ether	SOIL	Organics	U	< 5.00e+03	ug/kg	1.00	5.0e+03	08/26/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	67-56-1	Methanol	SOIL	Organics	U	< 1.00e+03	ug/kg	1.00	1.0e+03	08/26/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	107-21-1	Ethylene glycol	SOIL	Organics	U	< 5.00e+03	ug/kg	1.00	5.0e+03	08/26/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	14596-10-2	Americium-241	SOIL	LA-508-471	U	8.10e-03	pCi/g	1.00	0.045	08/22/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	E,T,C	Am-241 by AEA Total Cntg Error	SOIL	LA-508-471		+- 0.0260	pCi/g	1.00	0.0	08/22/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	16984-48-8	Fluoride	SOIL	LA-533-410	U	< 0.679	mg/kg	97.00	0.68	08/19/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	16887-00-6	Chloride	SOIL	LA-533-410		2.57	mg/kg	97.00	1.4	08/19/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	NO2-N	Nitrogen in Nitrite	SOIL	LA-533-410	U	< 0.873	mg/kg	97.00	0.87	08/19/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	NO3-N	Nitrogen in Nitrate	SOIL	LA-533-410	U	< 0.485	mg/kg	97.00	0.48	08/19/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	14265-44-2	Phosphate	SOIL	LA-533-410	U	< 1.26	mg/kg	97.00	1.3	08/19/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	14808-79-8	Sulfate	SOIL	LA-533-410		37.9	mg/kg	97.00	2.3	08/19/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	10198-40-0	Cobalt-60	SOIL	LA-508-462	U	1.83e-03	pCi/g	1.00	0.022	08/13/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	E,T,C	Co-60 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.0120	pCi/g	1.00	0.0	08/13/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	14234-35-6	Antimony-125	SOIL	LA-508-462	U	-0.0230	pCi/g	1.00	0.045	08/13/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	E,T,C	Sb-125 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.0280	pCi/g	1.00	0.0	08/13/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	13967-70-9	Cesium-134	SOIL	LA-508-462	U	0.0239	pCi/g	1.00	0.024	08/13/03	08/13/03	08/13/03

MDL=Minimum Detection Limit
RQ=Result Qualifier

B - The analyte < the RDL but > = the IDL/MDL (inorganic)
J - Estimated Value
D - Analyte was identified at a secondary dilution factor
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: F03-012: F03-012

Group #: WSCF20031112

Sample #	Client ID		CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W030000705	B17C43	TRENT	E,T,C	Cs-134 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.0130	pCi/g	1.00	0.0	08/13/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	10045-97-3	Cesium-137	SOIL	LA-508-462	U	0.0108	pCi/g	1.00	0.021	08/13/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	E,T,C	Cs-137 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.0120	pCi/g	1.00	0.0	08/13/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	14683-23-9	Europium-152	SOIL	LA-508-462	U	5.24e-03	pCi/g	1.00	0.051	08/13/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	E,T,C	Eu-152 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.0520	pCi/g	1.00	0.0	08/13/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	15585-10-1	Europium-154	SOIL	LA-508-462	U	0.0147	pCi/g	1.00	0.066	08/13/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	E,T,C	Eu-154 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.0440	pCi/g	1.00	0.0	08/13/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	14391-16-3	Europium-155	SOIL	LA-508-462	U	-0.0479	pCi/g	1.00	0.064	08/13/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	E,T,C	Eu-155 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.0390	pCi/g	1.00	0.0	08/13/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	15832-50-5	Tin-126	SOIL	LA-508-462	U	0.0356	pCi/g	1.00	0.054	08/13/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	E,T,C	Sn-126 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.0390	pCi/g	1.00	0.0	08/13/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	15262-20-1	Radium-228	SOIL	LA-508-462		0.448	pCi/g	1.00	0.068	08/13/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	E,T,C	Ra-228 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.114	pCi/g	1.00	0.0	08/13/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	13982-63-3	Radium-226	SOIL	LA-508-462		0.303	pCi/g	1.00	0.038	08/13/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	E,T,C	Ra-226 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.0620	pCi/g	1.00	0.0	08/13/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	13982-39-3	Zinc-65	SOIL	LA-508-462	U	0.0295	pCi/g	1.00	0.047	08/13/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	E,T,C	Zn-65 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.0300	pCi/g	1.00	0.0	08/13/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	14681-63-1	Niobium-94	SOIL	LA-508-462	U	-5.86e-03	pCi/g	1.00	0.018	08/13/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	E,T,C	Nb-94 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.0110	pCi/g	1.00	0.0	08/13/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	13968-53-1	Ruthenium-103	SOIL	LA-508-462	U	-1.85e-03	pCi/g	1.00	0.017	08/13/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	E,T,C	Ru-103 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.0100	pCi/g	1.00	0.0	08/13/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	13967-48-1	Ruthenium-106	SOIL	LA-508-462	U	0.0258	pCi/g	1.00	0.17	08/13/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	E,T,C	Ru-106 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.0990	pCi/g	1.00	0.0	08/13/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	13966-06-8	Tin-113	SOIL	LA-508-462	U	5.64e-03	pCi/g	1.00	0.022	08/13/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	E,T,C	Sn-113 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.0130	pCi/g	1.00	0.0	08/13/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	14762-78-8	Cerium-144	SOIL	LA-508-462	U	-0.113	pCi/g	1.00	0.12	08/13/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	E,T,C	Ce-144 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.0730	pCi/g	1.00	0.0	08/13/03	08/13/03	08/13/03

MDL=Minimum Detection Limit
RQ=Result Qualifier

B - The analyte < the RDL but > = the IDL/MDL (inorganic)
J - Estimated Value
D - Analyte was identified at a secondary dilution factor
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: F03-012: F03-012

Group #: WSCF20031112

Sample #	Client ID		CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W030000705	B17C43	TRENT	14913-50-9	Thallium-208	SOIL	LA-508-462		0.141	pCi/g	1.00	0.018	08/13/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	E,T,C	Tl-208 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.0270	pCi/g	1.00	0.0	08/13/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	14913-49-6	Bismuth-212	SOIL	LA-508-462		0.276	pCi/g	1.00	0.16	08/13/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	E,T,C	Bi-212 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.148	pCi/g	1.00	0.0	08/13/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	15092-94-1	Lead-212	SOIL	LA-508-462		0.420	pCi/g	1.00	0.031	08/13/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	E,T,C	Pb-212 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.0620	pCi/g	1.00	0.0	08/13/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	14733-03-0	Bismuth-214	SOIL	LA-508-462		0.303	pCi/g	1.00	0.038	08/13/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	E,T,C	Bi-214 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.0620	pCi/g	1.00	0.0	08/13/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	15067-28-4	Lead-214	SOIL	LA-508-462		0.363	pCi/g	1.00	0.036	08/13/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	E,T,C	Pb-214 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.0690	pCi/g	1.00	0.0	08/13/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	14331-83-0	Actinium-228	SOIL	LA-508-462		0.448	pCi/g	1.00	0.068	08/13/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	E,T,C	Ac-228 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.114	pCi/g	1.00	0.0	08/13/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	15065-10-8	Thorium-234	SOIL	LA-508-462	U	0.729	pCi/g	1.00	1.2	08/13/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	E,T,C	Th-234 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.436	pCi/g	1.00	0.0	08/13/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	15117-96-1	Uranium-235	SOIL	LA-508-462	U	0.0480	pCi/g	1.00	0.12	08/13/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	E,T,C	U-235 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.0260	pCi/g	1.00	0.0	08/13/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	14596-10-2	Americium-241	SOIL	LA-508-462	U	-0.0787	pCi/g	1.00	0.15	08/13/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	E,T,C	Am-241 Rel Count Error (GEA)	SOIL	LA-508-462		+- 0.0880	pCi/g	1.00	0.0	08/13/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	7440-69-9	Bismuth	SOIL	LA-505-411	U	< 5.07	mg/kg	1.00	5.1	09/09/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	7440-42-8	Boron	SOIL	LA-505-411		16.3	mg/kg	1.00	5.1	09/09/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	7440-36-0	Antimony	SOIL	LA-505-412	U	< 4.90	mg/kg	9.81	4.9	09/08/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	7440-38-2	Arsenic	SOIL	LA-505-412		7.50	mg/kg	9.81	2.9	09/08/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	7440-39-3	Barium	SOIL	LA-505-412		160	mg/kg	9.81	2.0	09/08/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	7440-41-7	Beryllium	SOIL	LA-505-412		4.72	mg/kg	9.81	2.9	09/08/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	7440-43-9	Cadmium	SOIL	LA-505-412		4.03	mg/kg	9.81	0.98	09/08/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	7440-47-3	Chromium	SOIL	LA-505-412		21.4	mg/kg	9.81	2.9	09/08/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	7440-50-8	Copper	SOIL	LA-505-412		31.4	mg/kg	9.81	4.9	09/08/03	08/13/03	08/13/03

MDL = Minimum Detection Limit
RQ = Result Qualifier

B - The analyte < the RDL but >= the IDL/MDL (inorganic)
J - Estimated Value
D - Analyte was identified at a secondary dilution factor
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: F03-012: F03-012

Group #: WSCF20031112

Sample #	Client ID		CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W030000705	B17C43	TRENT	7439-92-1	Lead	SOIL	LA-505-412	U	< 11.8	mg/kg	9.81	12	09/08/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	7440-02-0	Nickel	SOIL	LA-505-412		16.2	mg/kg	9.81	4.9	09/08/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	7782-49-2	Selenium	SOIL	LA-505-412		6.28	mg/kg	9.81	2.9	09/08/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	7440-22-4	Silver	SOIL	LA-505-412		6.13	mg/kg	9.81	2.0	09/08/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	7440-61-1	Uranium	SOIL	LA-505-412		7.70	mg/kg	9.81	0.98	09/08/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	7439-97-6	Mercury	SOIL	LA-505-412	U	< 0.981	mg/kg	9.81	0.98	09/08/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	TPHGASOLINE	Total Pet. Hydrocarbons Gas	SOIL	NWTPH		1.52e+03	ug/kg	1.00	2.5e+02	08/25/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	12674-11-2	Aroclor-1016	SOIL	LA-523-427	U	< 50.0	ug/kg	1.00	50	08/25/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	11104-28-2	Aroclor-1221	SOIL	LA-523-427	U	< 99.0	ug/kg	1.00	99	08/25/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	11141-16-5	Aroclor-1232	SOIL	LA-523-427	U	< 50.0	ug/kg	1.00	50	08/25/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	53469-21-9	Aroclor-1242	SOIL	LA-523-427	U	< 50.0	ug/kg	1.00	50	08/25/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	12672-29-6	Aroclor-1248	SOIL	LA-523-427	U	< 50.0	ug/kg	1.00	50	08/25/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	11097-69-1	Aroclor-1254	SOIL	LA-523-427	U	< 50.0	ug/kg	1.00	50	08/25/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	11096-82-5	Aroclor-1260	SOIL	LA-523-427	U	< 50.0	ug/kg	1.00	50	08/25/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	37324-23-5	Aroclor-1262	SOIL	LA-523-427	U	< 50.0	ug/kg	1.00	50	08/25/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	11100-14-4	Aroclor-1268	SOIL	LA-523-427	U	< 50.0	ug/kg	1.00	50	08/25/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	13981-16-3	Plutonium-238	SOIL	LA-508-471	U	0.0210	pCi/g	1.00	0.029	08/22/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	E,T,C	Pu-238 by AEA Total Cntg Error	SOIL	LA-508-471		+- 0.0200	pCi/g	1.00	0.0	08/22/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	PU-239/240	Pu-239/240 by AEA	SOIL	LA-508-471	U	1.90e-03	pCi/g	1.00	0.018	08/22/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	E,T,C	Pu-239/240 AEA Total Cntg Err	SOIL	LA-508-471		+- 2.00e-03	pCi/g	1.00	0.0	08/22/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	100-02-7	4-Nitrophenol	SOIL	LA-523-456	U	< 660	ug/kg	1.00	6.6e+02	08/20/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	106-46-7	1,4-Dichlorobenzene	SOIL	LA-523-456	U	< 320	ug/kg	1.00	3.2e+02	08/20/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	108-95-2	Phenol	SOIL	LA-523-456	U	< 100	ug/kg	1.00	1.0e+02	08/20/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	120-82-1	1,2,4-Trichlorobenzene	SOIL	LA-523-456	U	< 300	ug/kg	1.00	3.0e+02	08/20/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	121-14-2	2,4-Dinitrotoluene	SOIL	LA-523-456	U	< 68.0	ug/kg	1.00	68	08/20/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	129-00-0	Pyrene	SOIL	LA-523-456	U	< 68.0	ug/kg	1.00	68	08/20/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	59-50-7	4-Chloro-3-methylphenol	SOIL	LA-523-456	U	< 68.0	ug/kg	1.00	68	08/20/03	08/13/03	08/13/03

MDL = Minimum Detection Limit
RQ = Result Qualifier

B - The analyte < the RDL but > = the IDL/MDL (inorganic)
J - Estimated Value
D - Analyte was identified at a secondary dilution factor
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: F03-012: F03-012

Group #: WSCF20031112

Sample #	Client ID		CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W030000705	B17C43	TRENT	621-64-7	N-Nitrosodi-n-dipropylamine	SOIL	LA-523-456	U	< 68.0	ug/kg	1.00	68	08/20/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	83-32-9	Acenaphthene	SOIL	LA-523-456	U	< 68.0	ug/kg	1.00	68	08/20/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	87-86-5	Pentachlorophenol	SOIL	LA-523-456	U	< 310	ug/kg	1.00	3.1e+02	08/20/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	95-57-8	2-Chlorophenol	SOIL	LA-523-456	U	< 150	ug/kg	1.00	1.5e+02	08/20/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	100-01-6	4-Nitroaniline	SOIL	LA-523-456	U	< 250	ug/kg	1.00	2.5e+02	08/20/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	101-55-3	4-Bromophenylphenyl ether	SOIL	LA-523-456	U	< 68.0	ug/kg	1.00	68	08/20/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	105-67-9	2,4-Dimethylphenol	SOIL	LA-523-456	U	< 68.0	ug/kg	1.00	68	08/20/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	106-47-8	4-Chloroaniline	SOIL	LA-523-456	U	< 96.0	ug/kg	1.00	96	08/20/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	108-60-1	Bis(2-chloro-1-methylethyl)eth	SOIL	LA-523-456	U	< 260	ug/kg	1.00	2.6e+02	08/20/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	111-44-4	Bis(2-chloroethyl) ether	SOIL	LA-523-456	U	< 250	ug/kg	1.00	2.5e+02	08/20/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	111-91-1	Bis(2-Chloroethoxy)methane	SOIL	LA-523-456	U	< 120	ug/kg	1.00	1.2e+02	08/20/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	117-81-7	Bis(2-ethylhexyl) phthalate	SOIL	LA-523-456	U	< 570	ug/kg	1.00	5.7e+02	08/20/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	117-84-0	Di-n-octylphthalate	SOIL	LA-523-456	U	< 68.0	ug/kg	1.00	68	08/20/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	118-74-1	Hexachlorobenzene	SOIL	LA-523-456	U	< 68.0	ug/kg	1.00	68	08/20/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	120-12-7	Anthracene	SOIL	LA-523-456	U	< 68.0	ug/kg	1.00	68	08/20/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	120-83-2	2,4-Dichlorophenol	SOIL	LA-523-456	U	< 82.0	ug/kg	1.00	82	08/20/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	131-11-3	Dimethyl phthalate	SOIL	LA-523-456	U	< 68.0	ug/kg	1.00	68	08/20/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	132-64-9	Dibenzofuran	SOIL	LA-523-456	U	< 68.0	ug/kg	1.00	68	08/20/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	191-24-2	Benzo(ghi)perylene	SOIL	LA-523-456	U	< 68.0	ug/kg	1.00	68	08/20/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	193-39-5	Indeno(1,2,3-cd)pyrene	SOIL	LA-523-456	U	< 68.0	ug/kg	1.00	68	08/20/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	205-99-2	Benzo(b)fluoranthene	SOIL	LA-523-456	U	< 68.0	ug/kg	1.00	68	08/20/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	206-44-0	Fluoranthene	SOIL	LA-523-456	U	< 68.0	ug/kg	1.00	68	08/20/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	207-08-9	Benzo(k)fluoranthene	SOIL	LA-523-456	U	< 68.0	ug/kg	1.00	68	08/20/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	208-96-8	Acenaphthylene	SOIL	LA-523-456	U	< 82.0	ug/kg	1.00	82	08/20/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	218-01-9	Chrysene	SOIL	LA-523-456	U	< 68.0	ug/kg	1.00	68	08/20/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	50-32-8	Benzo(a)pyrene	SOIL	LA-523-456	U	< 68.0	ug/kg	1.00	68	08/20/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	51-28-5	2,4-Dinitrophenol	SOIL	LA-523-456	U	< 680	ug/kg	1.00	6.8e+02	08/20/03	08/13/03	08/13/03

MDL = Minimum Detection Limit
RQ = Result Qualifier

B - The analyte < the RDL but > = the IDL/MDL (inorganic)
J - Estimated Value
D - Analyte was identified at a secondary dilution factor
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: F03-012: F03-012

Group #: WSCF20031112

Sample #	Client ID		CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W030000705	B17C43	TRENT	53-70-3	Dibenz[a,h]anthracene	SOIL	LA-523-456	U	< 68.0	ug/kg	1.00	68	08/20/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	534-52-1	4,6-Dinitro-2-methylphenol	SOIL	LA-523-456	U	< 680	ug/kg	1.00	6.8e+02	08/20/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	541-73-1	1,3-Dichlorobenzene	SOIL	LA-523-456	U	< 330	ug/kg	1.00	3.3e+02	08/20/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	56-55-3	Benzo(a)anthracene	SOIL	LA-523-456	U	< 68.0	ug/kg	1.00	68	08/20/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	606-20-2	2,6-Dinitrotoluene	SOIL	LA-523-456	U	< 68.0	ug/kg	1.00	68	08/20/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	7005-72-3	4-Chlorophenylphenyl ether	SOIL	LA-523-456	U	< 68.0	ug/kg	1.00	68	08/20/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	77-47-4	Hexachlorocyclopentadiene	SOIL	LA-523-456	U	< 320	ug/kg	1.00	3.2e+02	08/20/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	78-59-1	Isophorone	SOIL	LA-523-456		2.60e+03	ug/kg	1.00	68	08/20/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	84-66-2	Diethylphthalate	SOIL	LA-523-456	J	380	ug/kg	1.00	1.9e+02	08/20/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	84-74-2	Di-n-butylphthalate	SOIL	LA-523-456	U	< 89.0	ug/kg	1.00	89	08/20/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	85-01-8	Phenanthrene	SOIL	LA-523-456	U	< 68.0	ug/kg	1.00	68	08/20/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	85-68-7	Butylbenzylphthalate	SOIL	LA-523-456	U	< 68.0	ug/kg	1.00	68	08/20/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	86-30-6	N-Nitrosodiphenylamine	SOIL	LA-523-456	U	< 68.0	ug/kg	1.00	68	08/20/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	86-73-7	Fluorene	SOIL	LA-523-456	U	< 68.0	ug/kg	1.00	68	08/20/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	86-74-8	Carbazole	SOIL	LA-523-456	U	< 82.0	ug/kg	1.00	82	08/20/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	87-68-3	Hexachlorobutadiene	SOIL	LA-523-456	U	< 380	ug/kg	1.00	3.8e+02	08/20/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	88-74-4	2-Nitroaniline	SOIL	LA-523-456	U	< 68.0	ug/kg	1.00	68	08/20/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	88-75-5	2-Nitrophenol	SOIL	LA-523-456	U	< 180	ug/kg	1.00	1.8e+02	08/20/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	91-20-3	Naphthalene	SOIL	LA-523-456		970	ug/kg	1.00	2.9e+02	08/20/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	91-57-6	2-Methylnaphthalene	SOIL	LA-523-456	J	450	ug/kg	1.00	1.8e+02	08/20/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	91-58-7	2-Chloronaphthalene	SOIL	LA-523-456	U	< 68.0	ug/kg	1.00	68	08/20/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	91-94-1	3,3'-Dichlorobenzidine	SOIL	LA-523-456	U	< 82.0	ug/kg	1.00	82	08/20/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	95-48-7	2-Methylphenol (cresol, o-)	SOIL	LA-523-456	U	< 68.0	ug/kg	1.00	68	08/20/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	95-50-1	1,2-Dichlorobenzene	SOIL	LA-523-456	U	< 370	ug/kg	1.00	3.7e+02	08/20/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	95-95-4	2,4,5-Trichlorophenol	SOIL	LA-523-456	U	< 75.0	ug/kg	1.00	75	08/20/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	98-95-3	Nitrobenzene	SOIL	LA-523-456	U	< 270	ug/kg	1.00	2.7e+02	08/20/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	99-09-2	3-Nitroaniline	SOIL	LA-523-456	U	< 68.0	ug/kg	1.00	68	08/20/03	08/13/03	08/13/03

MDL=Minimum Detection Limit
RQ=Result Qualifier

B - The analyte < the RDL but > = the IDL/MDL (inorganic)
J - Estimated Value
D - Analyte was identified at a secondary dilution factor
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: F03-012: F03-012

Group #: WSCF20031112

Sample #	Client ID		CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W030000705	B17C43	TRENT	65794-96-9	3 & 4 Methylphenol Total	SOIL	LA-523-456		2.80e+03	ug/kg	1.00	1.2e+02	08/20/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	67-72-1	Hexachloroethane	SOIL	LA-523-456	U	< 480	ug/kg	1.00	4.8e+02	08/20/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	88-06-2	2,4,6-Trichlorophenol	SOIL	LA-523-456	U	< 68.0	ug/kg	1.00	68	08/20/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	100-51-6	Benzyl alcohol	SOIL	LA-523-456	U	< 75.0	ug/kg	1.00	75	08/20/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	111-76-2	2-Butoxyethanol	SOIL	LA-523-456	U	< 100	ug/kg	1.00	1.0e+02	08/20/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	126-73-8	Tributyl phosphate	SOIL	LA-523-456	U	< 68.0	ug/kg	1.00	68	08/20/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	U-233/234	Uranium-233/234	SOIL	LA-508-471		0.170	pCi/g	1.00	5.5e-03	08/22/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	E,T,C	U-233/234 AEA Total Cntg Error	SOIL	LA-508-471		+- 0.0560	pCi/g	1.00	0.0	08/22/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	15117-96-1	Uranium-235	SOIL	LA-508-471	U	0.0130	pCi/g	1.00	0.021	08/22/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	E,T,C	U-235 by AEA Total Cntg Error	SOIL	LA-508-471		+- 0.0130	pCi/g	1.00	0.0	08/22/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	U-238	Uranium-238	SOIL	LA-508-471		0.240	pCi/g	1.00	5.5e-03	08/22/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	E,T,C	U-238 by AEA Total Cntg Error	SOIL	LA-508-471		+- 0.0770	pCi/g	1.00	0.10	08/22/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	75-35-4	1,1-Dichloroethene	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	08/25/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	79-01-6	Trichloroethene	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	08/25/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	71-43-2	Benzene	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	08/25/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	108-88-3	Toluene	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	08/25/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	108-90-7	Chlorobenzene	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	08/25/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	75-34-3	1,1-Dichloroethane	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	08/25/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	100-41-4	Ethylbenzene	SOIL	LA-523-455	J	7.00	ug/kg	1.00	2.1	08/25/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	100-42-5	Styrene	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	08/25/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	10061-01-5	cis-1,3-Dichloropropene	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	08/25/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	10061-02-6	trans-1,3-Dichloropropene	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	08/25/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	107-06-2	1,2-Dichloroethane	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	08/25/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	108-10-1	4-Methyl-2-Pentanone	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	08/25/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	124-48-1	Dibromochloromethane	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	08/25/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	127-18-4	Tetrachloroethene	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	08/25/03	08/13/03	08/13/03
W030000705	B17C43	TRENT	1330-20-7	Xylenes (total)	SOIL	LA-523-455		50.0	ug/kg	1.00	2.1	08/25/03	08/13/03	08/13/03

MDL = Minimum Detection Limit
RQ = Result Qualifier

B - The analyte < the RDL but > = the IDL/MDL (inorganic)
J - Estimated Value
D - Analyte was identified at a secondary dilution factor
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: F03-012: F03-012

Group #: WSCF20031112

Sample #	Client ID	CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W030000705	B17C43 TRENT	540-59-0	1,2-Dichloroethene(Total)	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	08/25/03	08/13/03	08/13/03
W030000705	B17C43 TRENT	56-23-5	Carbon tetrachloride	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	08/25/03	08/13/03	08/13/03
W030000705	B17C43 TRENT	591-78-6	2-Hexanone	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	08/25/03	08/13/03	08/13/03
W030000705	B17C43 TRENT	67-64-1	Acetone	SOIL	LA-523-455	B	52.0	ug/kg	1.00	2.1	08/25/03	08/13/03	08/13/03
W030000705	B17C43 TRENT	67-66-3	Chloroform	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	08/25/03	08/13/03	08/13/03
W030000705	B17C43 TRENT	71-55-6	1,1,1-Trichloroethane	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	08/25/03	08/13/03	08/13/03
W030000705	B17C43 TRENT	74-83-9	Bromomethane	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	08/25/03	08/13/03	08/13/03
W030000705	B17C43 TRENT	74-87-3	Chloromethane	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	08/25/03	08/13/03	08/13/03
W030000705	B17C43 TRENT	75-00-3	Chloroethane	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	08/25/03	08/13/03	08/13/03
W030000705	B17C43 TRENT	75-01-4	Vinyl chloride	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	08/25/03	08/13/03	08/13/03
W030000705	B17C43 TRENT	75-09-2	Methylenechloride	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	08/25/03	08/13/03	08/13/03
W030000705	B17C43 TRENT	75-15-0	Carbon disulfide	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	08/25/03	08/13/03	08/13/03
W030000705	B17C43 TRENT	75-25-2	Bromoform	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	08/25/03	08/13/03	08/13/03
W030000705	B17C43 TRENT	75-27-4	Bromodichloromethane	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	08/25/03	08/13/03	08/13/03
W030000705	B17C43 TRENT	78-87-5	1,2-Dichloropropane	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	08/25/03	08/13/03	08/13/03
W030000705	B17C43 TRENT	78-93-3	2-Butanone	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	08/25/03	08/13/03	08/13/03
W030000705	B17C43 TRENT	79-00-5	1,1,2-Trichloroethane	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	08/25/03	08/13/03	08/13/03
W030000705	B17C43 TRENT	79-34-5	1,1,2,2-Tetrachloroethane	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	08/25/03	08/13/03	08/13/03
W030000705	B17C43 TRENT	71-36-3	1-Butanol	SOIL	LA-523-455	U	< 42.0	ug/kg	1.00	42	08/25/03	08/13/03	08/13/03
W030000705	B17C43 TRENT	107-87-9	2-Pentanone	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	08/25/03	08/13/03	08/13/03
W030000705	B17C43 TRENT	104-51-8	n-Butylbenzene	SOIL	LA-523-455	J	3.00	ug/kg	1.00	2.1	08/25/03	08/13/03	08/13/03
W030000705	B17C43 TRENT	TPHDIESEL	Total Pet. Hydrocarbons Diesel	SOIL	NWTPH		4.20e+04	ug/kg	1.00	3.9e+03	08/22/03	08/13/03	08/13/03
W030000705	B17C43 TRENT	TPHKEROSENE	Kerosene	SOIL	NWTPH	U	< 5.10e+03	ug/kg	1.00	5.1e+03	08/22/03	08/13/03	08/13/03
W030000705	B17C43 TRENT	TPHDIESEL	Total petroleum hydrocarbons -	SOIL	NWTPH		1.00e+06	ug/kg	1.00	6.4e+03	08/22/03	08/13/03	08/13/03

MDL=Minimum Detection Limit
RQ=Result Qualifier

B - The analyte < the RDL but > = the IDL/MDL (inorganic)
J - Estimated Value
D - Analyte was identified at a secondary dilution factor
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

Attention: Steve Trent
Project Number F03-012

Group #: WSCF20031112

Sample #	Client ID	Lab Area	Test	Comment
		VALGROUP		PCB/SVOC/TPHD: All results are moisture corrected and reported on a dry weight basis. cgc Extended motor oil added to analysis upon consultation with the customer. Diesel results represent the fraction of hydrocarbons eluting in the diesel range. The diesel result are not a true diesel mixture, but probably the portion of the extended oil eluting in the diesel range. cgc SVOA: Blank and LCS results are good. The sanple has serious matrix interferences which resulted in low or no recovery (Due to alkalinity of sample W030000701 at pH = 12.36) of acid surrogates and matrix spike compounds.A large peak at the beginning of the chromatogram has covered up many of the early eluting compounds. A J-flag is used for target compounds in which the target results are lower than the lowest calibration standard but greater than the detection limit. The results are reported on a dry weight basis. den IC: No phosphate spike recovery due to matrix effect and sample results are estimated ("J" qualifier) -wwb IC Ammonia: Spike results biased low due to probable matrix effect. Other QC acceptable -wb W030000701 for Pu/Am test had poor RPD. RPD does not apply to very low level samples. ICP-MS: High silver LCS recovery using 200.8 method criteria. This value is within manufacturer specifications so no qualifier is required. -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
ANALYTICAL COMMENT REPORT

2 - 26

Attention: Steve Trent
Project Number F03-012

Group #: WSCF20031112

Sample #	Client ID	Lab Area	Test	Comment
				ICP-AES: Low recovery for Bismuth LCS. No Qualifiers given as MS and MSD were within limits. ldl
				TPH-30: SPK-RPD is out of limits. den

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
TENTATIVELY IDENTIFIED PEAK REPORT

Attention: Steve Trent
Project Number F03-012 :F03-012

Group #: WSCF20031112

Sample #	Client ID		Test Name	Peak Name	CAS#	RT	RQ	Result	Units
W030000701	B17C41	TRENT	Gamma Energy Analysis-grd H2O	K-40 Count Error				12	%
W030000701	B17C41	TRENT	Gamma Energy Analysis-grd H2O	K-40				9.8	pCi/g
W030000701	B17C41	TRENT	SW-846 8270B Semi-Vols	SMP 6.602 2-Cyclohexen-1-one, 3,	1123-09-7	6.602316	J	1.2e+03	ug/kg
W030000701	B17C41	TRENT	SW-846 8270B Semi-Vols	SMP 20.567 Unknown	Unknown	20.56795	J	1.3e+03	ug/kg
W030000701	B17C41	TRENT	SW-846 8270B Semi-Vols	SMP 5.539 Propane, 2-methyl-2-(1	17348-59-3	5.539816	J	1.3e+06	ug/kg
W030000701	B17C41	TRENT	SW-846 8270B Semi-Vols	SMP 21.068 Unknown	Unknown	21.06855	J	2.7e+02	ug/kg
W030000701	B17C41	TRENT	SW-846 8270B Semi-Vols	SMP 23.561 Unknown	Unknown	23.56131	J	2.9e+02	ug/kg
W030000701	B17C41	TRENT	SW-846 8270B Semi-Vols	SMP 6.367 Phenol, 4-methyl-	106-44-5	6.36735	J	3.0e+03	ug/kg
W030000701	B17C41	TRENT	SW-846 8270B Semi-Vols	SMP 7.133 Unknown	Unknown	7.133566	J	3.4e+03	ug/kg
W030000701	B17C41	TRENT	SW-846 8270B Semi-Vols	SMP 6.857 Unknown	Unknown	6.857733	J	3.7e+02	ug/kg
W030000701	B17C41	TRENT	SW-846 8270B Semi-Vols	SMP 8.390 Unknown	Unknown	8.390166	J	4.1e+02	ug/kg
W030000701	B17C41	TRENT	SW-846 8270B Semi-Vols	SMP 7.358 2-Cyclohexen-1-one, 3,	78-59-1	7.358316	J	4.3e+02	ug/kg
W030000701	B17C41	TRENT	SW-846 8270B Semi-Vols	SMP 6.234 Unknown	Unknown	6.234533	J	4.3e+02	ug/kg
W030000701	B17C41	TRENT	SW-846 8270B Semi-Vols	SMP 21.783 Unknown	Unknown	21.78368	J	4.5e+02	ug/kg
W030000701	B17C41	TRENT	SW-846 8270B Semi-Vols	SMP 6.980 Unknown	Unknown	6.980316	J	4.5e+02	ug/kg
W030000701	B17C41	TRENT	SW-846 8270B Semi-Vols	SMP 5.989 Unknown	Unknown	5.98935	J	4.6e+02	ug/kg
W030000701	B17C41	TRENT	SW-846 8270B Semi-Vols	SMP 5.948 Unknown	Unknown	5.948483	J	4.8e+02	ug/kg
W030000701	B17C41	TRENT	SW-846 8270B Semi-Vols	SMP 6.346 2-Cyclohexen-1-one, 3-	1193-18-6	6.346916	J	4.8e+03	ug/kg
W030000701	B17C41	TRENT	SW-846 8270B Semi-Vols	SMP 4.518 2-Pentene, 4,4-dimethy	26232-98-4	4.5182	J	6.4e+05	ug/kg
W030000701	B17C41	TRENT	SW-846 8270B Semi-Vols	SMP 6.776 Unknown	Unknown	6.776	J	7.1e+03	ug/kg
W030000701	B17C41	TRENT	SW-846 8270B Semi-Vols	SMP 8.226 Unknown	Unknown	8.2267	J	8.5e+02	ug/kg
W030000701	B17C41	TRENT	VOA Ground Water Protection	SMP 30.588 Benzene, (1,1-dimethyl	2049-95-8	30.58823	J	1.4e+02	ug/kg
W030000701	B17C41	TRENT	VOA Ground Water Protection	SMP 32.057 Naphthalene	91-20-3	32.0573	J	1.5e+02	ug/kg
W030000701	B17C41	TRENT	VOA Ground Water Protection	SMP 31.268 Benzene, 1,3-dimethyl-	4706-90-5	31.26853	J	1.6e+02	ug/kg
W030000701	B17C41	TRENT	VOA Ground Water Protection	SMP 30.055 1H-Indene, 2,3-dihydro	824-22-6	30.05581	J	1.7e+02	ug/kg

RQ=Result Qualifier J - Estimated Value

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 F03-012 :F03-012

Group #: WSCF20031112

Sample #	Client ID		Test Name	Peak Name	CAS#	RT	RQ	Result	Units
W030000701	B17C41	TRENT	VOA Ground Water Protection	SMP 28.221 Benzene, 1-ethyl-2,4-d	874-41-9	28.22195	J	1.9e+02	ug/kg
W030000701	B17C41	TRENT	VOA Ground Water Protection	SMP 29.207 Benzene, 1,2,4,5-tetra	95-93-2	29.2079	J	2.5e+02	ug/kg
W030000701	B17C41	TRENT	VOA Ground Water Protection	SMP 30.450 1H-Indene, 2,3-dihydro	824-22-6	30.4502	J	2.6e+02	ug/kg
W030000701	B17C41	TRENT	VOA Ground Water Protection	SMP 30.381 Benzene, 1,2,4,5-tetra	95-93-2	30.38118	J	2.9e+02	ug/kg
W030000701	B17C41	TRENT	VOA Ground Water Protection	SMP 29.345 Benzene, 1,2,3,5-tetra	527-53-7	29.34593	J	3.9e+02	ug/kg
W030000704	B17C42	TRENT	Gamma Energy Analysis-grd H2O	K-40 Count Error				13	%
W030000704	B17C42	TRENT	Gamma Energy Analysis-grd H2O	K-40				9.8	pCi/g
W030000704	B17C42	TRENT	SW-846 8270B Semi-Vols	SMP 6.285 Unknown	Unknown	6.285366	J	1.0e+04	ug/kg
W030000704	B17C42	TRENT	SW-846 8270B Semi-Vols	SMP 8.226 Naphthalene, 1-methyl-	90-12-0	8.22645	J	1.3e+03	ug/kg
W030000704	B17C42	TRENT	SW-846 8270B Semi-Vols	SMP 20.843 Unknown	Unknown	20.84355	J	1.3e+03	ug/kg
W030000704	B17C42	TRENT	SW-846 8270B Semi-Vols	SMP 6.602 Unknown	Unknown	6.602066	J	1.3e+04	ug/kg
W030000704	B17C42	TRENT	SW-846 8270B Semi-Vols	SMP 6.397 2-Cyclohexen-1-one, 3-	1193-18-6	6.39775	J	1.4e+04	ug/kg
W030000704	B17C42	TRENT	SW-846 8270B Semi-Vols	SMP 8.400 Unknown	Unknown	8.400133	J	1.6e+03	ug/kg
W030000704	B17C42	TRENT	SW-846 8270B Semi-Vols	SMP 6.816 Unknown	Unknown	6.816616	J	2.0e+04	ug/kg
W030000704	B17C42	TRENT	SW-846 8270B Semi-Vols	SMP 4.538 3-Penten-2-one, 4-meth	141-79-7	4.538383	J	2.5e+06	ug/kg
W030000704	B17C42	TRENT	SW-846 8270B Semi-Vols	SMP 7.010 Unknown	Unknown	7.010716	J	2.6e+03	ug/kg
W030000704	B17C42	TRENT	SW-846 8270B Semi-Vols	SMP 22.386 Unknown	Unknown	22.3862	J	2.7e+02	ug/kg
W030000704	B17C42	TRENT	SW-846 8270B Semi-Vols	SMP 5.825 Unknown	Unknown	5.825633	J	3.5e+03	ug/kg
W030000704	B17C42	TRENT	SW-846 8270B Semi-Vols	SMP 6.438 Unknown	Unknown	6.438616	J	5.2e+03	ug/kg
W030000704	B17C42	TRENT	SW-846 8270B Semi-Vols	SMP 20.557 Unknown	Unknown	20.55748	J	5.6e+02	ug/kg
W030000704	B17C42	TRENT	SW-846 8270B Semi-Vols	SMP 17.267 Unknown	Unknown	17.26785	J	6.0e+02	ug/kg
W030000704	B17C42	TRENT	SW-846 8270B Semi-Vols	SMP 18.452 Unknown	Unknown	18.45295	J	6.0e+02	ug/kg
W030000704	B17C42	TRENT	SW-846 8270B Semi-Vols	SMP 6.642 2-Cyclohexen-1-one, 3,	1123-09-7	6.642933	J	6.0e+03	ug/kg
W030000704	B17C42	TRENT	SW-846 8270B Semi-Vols	SMP 21.793 Unknown	Unknown	21.79366	J	6.1e+02	ug/kg
W030000704	B17C42	TRENT	SW-846 8270B Semi-Vols	SMP 7.378 Unknown	Unknown	7.378516	J	7.4e+02	ug/kg

RQ=Result Qualifier J - Estimated Value

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 F03-012 :F03-012

Group #: WSCF20031112

Sample #	Client ID		Test Name	Peak Name	CAS#	RT	RQ	Result	Units
W030000704	B17C42	TRENT	SW-846 8270B Semi-Vols	SMP 3.537 Unknown	Unknown	3.5372	J	7.7e+02	ug/kg
W030000704	B17C42	TRENT	SW-846 8270B Semi-Vols	SMP 7.163 Unknown	Unknown	7.163966	J	8.4e+03	ug/kg
W030000704	B17C42	TRENT	VOA Ground Water Protection	SMP 30.460 Benzene, (1-methyl-1-p	768-00-3	30.46016	J	3.0e+02	ug/kg
W030000704	B17C42	TRENT	VOA Ground Water Protection	SMP 27.295 Benzene, 1-ethyl-2,3-d	933-98-2	27.29525	J	3.3e+02	ug/kg
W030000704	B17C42	TRENT	VOA Ground Water Protection	SMP 32.057 Naphthalene	91-20-3	32.05741	J	3.5e+02	ug/kg
W030000704	B17C42	TRENT	VOA Ground Water Protection	SMP 30.391 Benzene, 1-ethyl-2,3-d	933-98-2	30.39115	J	3.9e+02	ug/kg
W030000704	B17C42	TRENT	VOA Ground Water Protection	SMP 28.231 Benzene, 1-ethyl-2,4-d	874-41-9	28.23191	J	4.0e+02	ug/kg
W030000704	B17C42	TRENT	VOA Ground Water Protection	SMP 29.217 Benzene, 1,2,3,5-tetra	527-53-7	29.21786	J	4.6e+02	ug/kg
W030000704	B17C42	TRENT	VOA Ground Water Protection	SMP 29.346 Benzene, 1,2,3,5-tetra	527-53-7	29.34603	J	7.7e+02	ug/kg
W030000705	B17C43	TRENT	Gamma Energy Analysis-grd H2O	K-40				10	pCi/g
W030000705	B17C43	TRENT	Gamma Energy Analysis-grd H2O	K-40 Count Error				13	%
W030000705	B17C43	TRENT	SW-846 8270B Semi-Vols	SMP 25.390 Unknown	Unknown	25.3905	J	1.1e+04	ug/kg
W030000705	B17C43	TRENT	SW-846 8270B Semi-Vols	SMP 5.611 Unknown	Unknown	5.611816	J	1.1e+06	ug/kg
W030000705	B17C43	TRENT	SW-846 8270B Semi-Vols	SMP 22.356 Unknown	Unknown	22.35628	J	1.4e+04	ug/kg
W030000705	B17C43	TRENT	SW-846 8270B Semi-Vols	SMP 24.900 Unknown	Unknown	24.90013	J	1.9e+03	ug/kg
W030000705	B17C43	TRENT	SW-846 8270B Semi-Vols	SMP 18.463 Unknown	Unknown	18.46388	J	2.0e+03	ug/kg
W030000705	B17C43	TRENT	SW-846 8270B Semi-Vols	SMP 16.716 Unknown	Unknown	16.7169	J	2.3e+03	ug/kg
W030000705	B17C43	TRENT	SW-846 8270B Semi-Vols	SMP 18.627 Unknown	Unknown	18.62735	J	2.3e+03	ug/kg
W030000705	B17C43	TRENT	SW-846 8270B Semi-Vols	SMP 5.816 Unknown	Unknown	5.816133	J	3.0e+03	ug/kg
W030000705	B17C43	TRENT	SW-846 8270B Semi-Vols	SMP 6.592 2,5-Heptadien-4-one, 2	504-20-1	6.592583	J	3.2e+03	ug/kg
W030000705	B17C43	TRENT	SW-846 8270B Semi-Vols	SMP 7.164 Unknown	Unknown	7.164683	J	3.4e+03	ug/kg
W030000705	B17C43	TRENT	SW-846 8270B Semi-Vols	SMP 16.594 Unknown	Unknown	16.5943	J	3.9e+03	ug/kg
W030000705	B17C43	TRENT	SW-846 8270B Semi-Vols	SMP 15.889 Unknown	Unknown	15.88938	J	5.4e+03	ug/kg
W030000705	B17C43	TRENT	SW-846 8270B Semi-Vols	SMP 15.633 Octadecane	593-45-3	15.63396	J	5.6e+03	ug/kg
W030000705	B17C43	TRENT	SW-846 8270B Semi-Vols	SMP 24.133 Unknown	Unknown	24.1339	J	6.3e+03	ug/kg

RQ=Result Qualifier J - Estimated Value

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

WSCF
TENTATIVELY IDENTIFIED PEAK REPORT

2 - 30

Attention: Steve Trent
Project Number F03-012 :F03-012

Group #: WSCF20031112

Sample #	Client ID		Test Name	Peak Name	CAS#	RT	RQ	Result	Units
W030000705	B17C43	TRENT	SW-846 8270B Semi-Vols	SMP 6.388 2-Cyclohexen-1-one, 3-	1193-18-6	6.38825	J	6.8e+03	ug/kg
W030000705	B17C43	TRENT	SW-846 8270B Semi-Vols	SMP 6.807 Unknown	Unknown	6.807116	J	6.9e+03	ug/kg
W030000705	B17C43	TRENT	SW-846 8270B Semi-Vols	SMP 4.528 3-Penten-2-one, 4-meth	141-79-7	4.5289	J	7.6e+05	ug/kg
W030000705	B17C43	TRENT	SW-846 8270B Semi-Vols	SMP 23.582 Unknown	Unknown	23.58223	J	8.8e+03	ug/kg
W030000705	B17C43	TRENT	SW-846 8270B Semi-Vols	SMP 20.599 Unknown	Unknown	20.59908	J	9.2e+03	ug/kg
W030000705	B17C43	TRENT	VOA Ground Water Protection	SMP 29.211 Benzene, 1,2,4,5-tetra	95-93-2	29.21105	J	1.0e+02	ug/kg
W030000705	B17C43	TRENT	VOA Ground Water Protection	SMP 32.060 Naphthalene	91-20-3	32.06045	J	1.3e+02	ug/kg
W030000705	B17C43	TRENT	VOA Ground Water Protection	SMP 29.349 Benzene, 1,2,3,5-tetra	527-53-7	29.34908	J	1.7e+02	ug/kg
W030000705	B17C43	TRENT	VOA Ground Water Protection	SMP 30.394 Benzene, 1-ethyl-2,4-d	874-41-9	30.39418	J	1.7e+02	ug/kg
W030000705	B17C43	TRENT	VOA Ground Water Protection	SMP 27.298 Benzene, 1-ethyl-3,5-d	934-74-7	27.2983	J	59	ug/kg
W030000705	B17C43	TRENT	VOA Ground Water Protection	SMP 31.281 Benzene, pentamethyl-	700-12-9	31.28155	J	63	ug/kg
W030000705	B17C43	TRENT	VOA Ground Water Protection	SMP 28.234 Benzene, 2-ethyl-1,3-d	2870-04-4	28.23495	J	74	ug/kg

RQ=Result Qualifier 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-523-455	LA-523-455: VOLATILE SAMPLE ANALYSIS BY SW-846	
	EPA SW-846 8000B	DETERMINATIVE CHROMATOGRAPHIC SEPARATIONS
	EPA SW-846 8260B	VOLATILE ORGANIC COMPOUNDS BY GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC/MS)
LA-523-456	LA-523-456: SEMIVOLATILE SAMPLE ANALYSIS BY SW-846, METHOD 8270C	
	EPA SW-846 8000B	DETERMINATIVE CHROMATOGRAPHIC SEPARATIONS
	EPA SW-846 8270C	SEMIVOLATILE ORGANIC COMPOUNDS BY GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC/MS)
LA-533-410	LA-533-410: ANION ANALYSIS BY ION CHROMATOGRAPHY	
	EPA-600/R-94-111 300	DETERMINATION OF INORGANIC ANIONS BY ION CHROMATOGRAPHY
LA-695-402	LA-695-402: DETERMINATION OF CYANIDE BY MIDIDISTILLATION AND SPECTROPHOTOMETRIC	
	EPA-600/4-79-020 335.2	Cyanide, Total
NWTPH	NWTPH-Diesel and/or Gasoline	
	WDOE NWTPH-Dx/Gx	Total Petroleum Hydrocarbons - Diesel/Gasoline
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 15-sep-2003 15:57:54

W13q Worklist/Batch/QC Report for Group# WSCF20031112

WL#	S#	Batch	QC#	Tray Type	Sample#	Test
				SAMPLE	W030000701	Percent Solids
				SAMPLE	W030000704	Percent Solids
				SAMPLE	W030000705	Percent Solids
				SAMPLE	W030000701	pH Soil and Waste Measurement
				SAMPLE	W030000704	pH Soil and Waste Measurement
				SAMPLE	W030000705	pH Soil and Waste Measurement
20076	1	20461	23265	SAMPLE	W030000701	Gamma Energy Analysis-grd H2O
20076	2	20461	23265	SAMPLE	W030000704	Gamma Energy Analysis-grd H2O
20076	3	20461	23265	SAMPLE	W030000705	Gamma Energy Analysis-grd H2O
20130	2	20512	23324	BLANK		Anions by Ion Chromatography
20130	10	20512	23324	BLANK		Anions by Ion Chromatography
20130	3	20512	23324	LCS		Anions by Ion Chromatography
20130	5	20512	23324	DUP	W030000701	Anions by Ion Chromatography
20130	6	20512	23324	MS	W030000701	Anions by Ion Chromatography
20130	7	20512	23324	MSD	W030000701	Anions by Ion Chromatography
20130	4	20512	23324	SAMPLE	W030000701	Anions by Ion Chromatography
20130	8	20512	23324	SAMPLE	W030000704	Anions by Ion Chromatography
20130	9	20512	23324	SAMPLE	W030000705	Anions by Ion Chromatography
20128	3	20514	23330	BLNK-PREP		Ammonia (N) by IC
20128	10	20514	23330	BLNK-PREP		Ammonia (N) by IC
20128	1	20514	23330	LCS		Ammonia (N) by IC
20128	5	20514	23330	DUP	W030000701	Ammonia (N) by IC
20128	6	20514	23330	MS	W030000701	Ammonia (N) by IC
20128	7	20514	23330	MSD	W030000701	Ammonia (N) by IC
20128	4	20514	23330	SAMPLE	W030000701	Ammonia (N) by IC
20128	8	20514	23330	SAMPLE	W030000704	Ammonia (N) by IC
20128	9	20514	23330	SAMPLE	W030000705	Ammonia (N) by IC
20142	1	20526	23335	BLANK		Uranium Isotopics by AEA
20142	2	20526	23335	LCS		Uranium Isotopics by AEA
20142	3	20526	23335	DUP	W030000701	Uranium Isotopics by AEA
20142	4	20526	23335	SAMPLE	W030000701	Uranium Isotopics by AEA
20142	5	20526	23335	SAMPLE	W030000704	Uranium Isotopics by AEA
20142	6	20526	23335	SAMPLE	W030000705	Uranium Isotopics by AEA
20143	1	20527	23337	BLANK		Plutonium Isotopics by AEA
20143	2	20527	23337	LCS		Plutonium Isotopics by AEA
20143	3	20527	23337	DUP	W030000701	Plutonium Isotopics by AEA
20143	4	20527	23337	SAMPLE	W030000701	Plutonium Isotopics by AEA
20143	5	20527	23337	SAMPLE	W030000704	Plutonium Isotopics by AEA
20143	6	20527	23337	SAMPLE	W030000705	Plutonium Isotopics by AEA
			23341	BLANK		PCBs complete list
			23341	LCS		PCBs complete list
			23341	SAMPLE	W030000701	PCBs complete list
			23341	SURR	W030000701	PCBs complete list
			23341	MS	W030000704	PCBs complete list
			23341	MSD	W030000704	PCBs complete list
			23341	SAMPLE	W030000704	PCBs complete list
			23341	SURR	W030000704	PCBs complete list
			23341	SAMPLE	W030000705	PCBs complete list

			23341	SURR	W030000705	PCBs complete list
			23341	MS	W030000709	PCBs complete list
			23341	MSD	W030000709	PCBs complete list
			23341	SPK-RPD	W030000709	PCBs complete list
			23342	BLANK		WTPH-D TPH Diesel Range (Wa)
			23342	LCS		WTPH-D TPH Diesel Range (Wa)
			23342	SAMPLE	W030000701	WTPH-D TPH Diesel Range (Wa)
			23342	SURR	W030000701	WTPH-D TPH Diesel Range (Wa)
			23342	SAMPLE	W030000704	WTPH-D TPH Diesel Range (Wa)
			23342	SURR	W030000704	WTPH-D TPH Diesel Range (Wa)
			23342	MS	W030000705	WTPH-D TPH Diesel Range (Wa)
			23342	MSD	W030000705	WTPH-D TPH Diesel Range (Wa)
			23342	SAMPLE	W030000705	WTPH-D TPH Diesel Range (Wa)
			23342	SURR	W030000705	WTPH-D TPH Diesel Range (Wa)
			23342	MS	W030000709	WTPH-D TPH Diesel Range (Wa)
			23342	MSD	W030000709	WTPH-D TPH Diesel Range (Wa)
			23342	SPK-RPD	W030000709	WTPH-D TPH Diesel Range (Wa)
20144	1	20528	23375	BLANK		Americium by AEA
20144	2	20528	23375	LCS		Americium by AEA
20144	3	20528	23375	DUP	W030000701	Americium by AEA
20144	4	20528	23375	SAMPLE	W030000701	Americium by AEA
20144	5	20528	23375	SAMPLE	W030000704	Americium by AEA
20144	6	20528	23375	SAMPLE	W030000705	Americium by AEA
			23390	BLANK		SW-846 8270B Semi-Vols
			23390	LCS		SW-846 8270B Semi-Vols
			23390	MS	W030000701	SW-846 8270B Semi-Vols
			23390	MSD	W030000701	SW-846 8270B Semi-Vols
			23390	SAMPLE	W030000701	SW-846 8270B Semi-Vols
			23390	SPK-RPD	W030000701	SW-846 8270B Semi-Vols
			23390	SURR	W030000701	SW-846 8270B Semi-Vols
			23390	SAMPLE	W030000704	SW-846 8270B Semi-Vols
			23390	SURR	W030000704	SW-846 8270B Semi-Vols
			23390	SAMPLE	W030000705	SW-846 8270B Semi-Vols
			23390	SURR	W030000705	SW-846 8270B Semi-Vols
20288	1	20668	23477	BLANK		ICP-2008 MS All possible metal
20288	2	20668	23477	LCS		ICP-2008 MS All possible metal
20288	4	20668	23477	MS	W030000701	ICP-2008 MS All possible metal
20288	5	20668	23477	MSD	W030000701	ICP-2008 MS All possible metal
20288	3	20668	23477	SAMPLE	W030000701	ICP-2008 MS All possible metal
20288	6	20668	23477	SAMPLE	W030000704	ICP-2008 MS All possible metal
20288	7	20668	23477	SAMPLE	W030000705	ICP-2008 MS All possible metal
20288	9	20668	23477	MS	W030000709	ICP-2008 MS All possible metal
20288	10	20668	23477	MSD	W030000709	ICP-2008 MS All possible metal
20288	12	20668	23477	MS	W030000775	ICP-2008 MS All possible metal
20288	13	20668	23477	MSD	W030000775	ICP-2008 MS All possible metal
20288	15	20668	23477	MS	W030000799	ICP-2008 MS All possible metal
20288	16	20668	23477	MSD	W030000799	ICP-2008 MS All possible metal
			23480	BLANK		Cyanide by Midi/Spectrophotom
			23480	BLNK-PREP		Cyanide by Midi/Spectrophotom
			23480	DUP		Cyanide by Midi/Spectrophotom
			23480	LCS		Cyanide by Midi/Spectrophotom
			23480	LCS-2		Cyanide by Midi/Spectrophotom
			23480	SAMPLE	W030000701	Cyanide by Midi/Spectrophotom
			23480	SAMPLE	W030000704	Cyanide by Midi/Spectrophotom
			23480	MS	W030000705	Cyanide by Midi/Spectrophotom

			23480	MSD	W030000705	Cyanide by Midi/Spectrophotom
			23480	SAMPLE	W030000705	Cyanide by Midi/Spectrophotom
			23480	SPK-RPD	W030000705	Cyanide by Midi/Spectrophotom
20308	1	20688	23515	BLANK		ICP Metals Analysis, Grd H20 P
20308	2	20688	23515	LCS		ICP Metals Analysis, Grd H20 P
20308	7	20688	23515	MS	W030000701	ICP Metals Analysis, Grd H20 P
20308	8	20688	23515	MSD	W030000701	ICP Metals Analysis, Grd H20 P
20308	6	20688	23515	SAMPLE	W030000701	ICP Metals Analysis, Grd H20 P
20308	9	20688	23515	SAMPLE	W030000704	ICP Metals Analysis, Grd H20 P
20308	10	20688	23515	SAMPLE	W030000705	ICP Metals Analysis, Grd H20 P
20308	4	20688	23515	MS	W030000709	ICP Metals Analysis, Grd H20 P
20308	5	20688	23515	MSD	W030000709	ICP Metals Analysis, Grd H20 P
20308	12	20688	23515	MS	W030000723	ICP Metals Analysis, Grd H20 P
20308	13	20688	23515	MSD	W030000723	ICP Metals Analysis, Grd H20 P
20308	0	20688	23515	SPK-RPD	W030000723	ICP Metals Analysis, Grd H20 P
20328	1	20708	23528	BLANK		Alcohols, Glycols - 8015
20328	2	20708	23528	LCS		Alcohols, Glycols - 8015
20328	4	20708	23528	MS	W030000701	Alcohols, Glycols - 8015
20328	5	20708	23528	MSD	W030000701	Alcohols, Glycols - 8015
20328	3	20708	23528	SAMPLE	W030000701	Alcohols, Glycols - 8015
20328	5	20708	23528	SPK-RPD	W030000701	Alcohols, Glycols - 8015
20328	6	20708	23528	SAMPLE	W030000704	Alcohols, Glycols - 8015
20328	7	20708	23528	SAMPLE	W030000705	Alcohols, Glycols - 8015
			23532	BLANK		VOA Ground Water Protection
			23532	LCS		VOA Ground Water Protection
			23532	MS	W030000701	VOA Ground Water Protection
			23532	MSD	W030000701	VOA Ground Water Protection
			23532	SAMPLE	W030000701	VOA Ground Water Protection
			23532	SPK-RPD	W030000701	VOA Ground Water Protection
			23532	SURR	W030000701	VOA Ground Water Protection
			23532	SAMPLE	W030000704	VOA Ground Water Protection
			23532	SURR	W030000704	VOA Ground Water Protection
			23532	SAMPLE	W030000705	VOA Ground Water Protection
			23532	SURR	W030000705	VOA Ground Water Protection
20347	1	20728	23534	BLANK		NWTPH-GX TPH Gasoline Range
20347	2	20728	23534	LCS		NWTPH-GX TPH Gasoline Range
20347	4	20728	23534	DUP	W030000701	NWTPH-GX TPH Gasoline Range
20347	5	20728	23534	MS	W030000701	NWTPH-GX TPH Gasoline Range
20347	6	20728	23534	MSD	W030000701	NWTPH-GX TPH Gasoline Range
20347	3	20728	23534	SAMPLE	W030000701	NWTPH-GX TPH Gasoline Range
20347	6	20728	23534	SPK-RPD	W030000701	NWTPH-GX TPH Gasoline Range
20347	7	20728	23534	SAMPLE	W030000704	NWTPH-GX TPH Gasoline Range
20347	8	20728	23534	SAMPLE	W030000705	NWTPH-GX TPH Gasoline Range

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20031112
Matrix: SOLID
Test: Anions by Ion Chromatography

SAF Number: F03-012
Sample Date: 08/13/03
Receive Date:08/13/03

Lab ID: W030000701

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	<1.40e0	n/a	RPD	08/19/03	0.000	20.000	U
DUP	Fluoride	16984-48-8	<7.00e-1	n/a	RPD	08/19/03	0.000	20.000	U
DUP	Nitrogen in Nitrite	NO2-N	<9.00e-1	n/a	RPD	08/19/03	0.000	20.000	U
DUP	Nitrogen in Nitrate	NO3-N	<5.00e-1	n/a	RPD	08/19/03	0.000	20.000	U
DUP	Phosphate	14265-44-2	<1.30e0	n/a	RPD	08/19/03	0.000	20.000	U
DUP	Sulfate	14808-79-8	4.91e+01	12.095	RPD	08/19/03	0.000	20.000	
MS	Chloride	16887-00-6	9.22e-01	93.131	% Recov	08/19/03	75.000	125.000	
MS	Fluoride	16984-48-8	4.44e-01	90.798	% Recov	08/19/03	75.000	125.000	
MS	Nitrogen in Nitrite	NO2-N	4.46e-01	88.492	% Recov	08/19/03	75.000	125.000	
MS	Nitrogen in Nitrate	NO3-N	4.14e-01	92.825	% Recov	08/19/03	75.000	125.000	
MS	Phosphate	14265-44-2	0.00	0.000	% Recov	08/19/03	75.000	125.000	*
MS	Sulfate	14808-79-8	1.77e+00	89.848	% Recov	08/19/03	75.000	125.000	
MSD	Chloride	16887-00-6	1.08e+00	107.071	% Recov	08/19/03	75.000	125.000	
MSD	Fluoride	16984-48-8	5.08e-01	103.885	% Recov	08/19/03	75.000	125.000	
MSD	Nitrogen in Nitrite	NO2-N	5.14e-01	101.984	% Recov	08/19/03	75.000	125.000	
MSD	Nitrogen in Nitrate	NO3-N	4.77e-01	106.951	% Recov	08/19/03	75.000	125.000	
MSD	Phosphate	14265-44-2	0.00e+00	0.000	% Recov	08/19/03	75.000	125.000	*
MSD	Sulfate	14808-79-8	2.17e+00	110.152	% Recov	08/19/03	75.000	125.000	

BATCH QC

BLANK	Chloride	16887-00-6	<1.40e-2	n/a	mg/L	08/20/03	0.000	300.000	U
BLANK	Chloride	16887-00-6	<1.40e-2	n/a	mg/L	08/19/03	0.000	300.000	U
BLANK	Fluoride	16984-48-8	<7.00e-3	n/a	mg/L	08/20/03	0.000	300.000	U
BLANK	Fluoride	16984-48-8	<7.00e-3	n/a	mg/L	08/19/03	0.000	300.000	U
BLANK	Nitrogen in Nitrite	NO2-N	<9.00e-3	n/a	mg/L	08/19/03	0.000	300.000	U
BLANK	Nitrogen in Nitrite	NO2-N	<9.00e-3	n/a	mg/L	08/20/03	0.000	300.000	U

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20031112
Matrix: SOLID
Test: Anions by Ion Chromatography

SAF Number: F03-012
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	08/19/03	0.000	300.000	U
BLANK	Nitrogen in Nitrate	NO3-N	<5.00e-3	n/a	mg/L	08/20/03	0.000	300.000	U
BLANK	Phosphate	14265-44-2	<1.30e-2	n/a	mg/L	08/19/03	0.000	300.000	U
BLANK	Phosphate	14265-44-2	<1.30e-2	n/a	mg/L	08/20/03	0.000	300.000	U
BLANK	Sulfate	14808-79-8	<2.40e-2	n/a	mg/L	08/20/03	0.000	300.000	U
BLANK	Sulfate	14808-79-8	<2.40e-2	n/a	mg/L	08/19/03	0.000	300.000	U
LCS	Chloride	16887-00-6	2.09e+02	104.500	% Recov	08/19/03	80.000	120.000	
LCS	Fluoride	16984-48-8	1.08e+02	109.422	% Recov	08/19/03	80.000	120.000	
LCS	Nitrogen in Nitrite	NO2-N	1.01e+02	99.020	% Recov	08/19/03	80.000	120.000	
LCS	Nitrogen in Nitrate	NO3-N	9.33e+01	103.552	% Recov	08/19/03	80.000	120.000	
LCS	Phosphate	14265-44-2	1.96e+02	101.135	% Recov	08/19/03	80.000	120.000	
LCS	Sulfate	14808-79-8	4.19e+02	105.013	% Recov	08/19/03	80.000	120.000	

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20031112
Matrix: SOLID
Test: Ammonia (N) by IC

SAF Number: F03-012
Sample Date: 08/13/03
Receive Date:08/13/03

Lab ID: W030000701

BATCH QC ASSOCIATED WITH SAMPLE

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit		RQ
DUP	Ammonia (N) by IC	7664-41-7	<8.00e-2	n/a	RPD	08/19/03	0.000	20.000		U
MS	Ammonia (N) by IC	7664-41-7	9.21e-02	55.818	% Recov	08/19/03	75.000	125.000	*	
MSD	Ammonia (N) by IC	7664-41-7	8.74e-02	52.970	% Recov	08/19/03	75.000	125.000	*	

BATCH QC

BLNK-PREP	Ammonia (N) by IC	7664-41-7	<4.00e-3	n/a	Ratio	08/19/03				U
BLNK-PREP	Ammonia (N) by IC	7664-41-7	<4.00e-3	n/a	Ratio	08/19/03				U
LCS	Ammonia (N) by IC	7664-41-7	7.88e+01	95.054	% Recov	08/19/03	80.000	120.000		

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20031112
Matrix: SOLID
Test: Uranium Isotopics by AEA

SAF Number: F03-012
Sample Date: 08/13/03
Receive Date:08/13/03

Lab ID: W030000701

BATCH QC ASSOCIATED WITH SAMPLE

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
DUP	Uranium-238	U-238	2.19e-01	0.458	RPD	08/22/03	0.000	20.000	

BATCH QC

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
BLANK	Uranium-238	24678-82-8	5.3e-03	0.005	PCG	08/22/03	0.000	1000.000	
LCS	Uranium-238	24678-82-8	3.8e+01	100.237	% Recov	08/22/03	75.000	125.000	

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20031112
Matrix: SOLID
Test: Plutonium Isotopics by AEA

SAF Number: F03-012
Sample Date: 08/13/03
Receive Date:08/13/03.

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
Lab ID: W030000701									
BATCH QC ASSOCIATED WITH SAMPLE									
DUP	Pu-239/240 by AEA	PU-239/240	1.2e-02	36.453	RPD	08/22/03	0.000	20.000	*
BATCH QC									
BLANK	Pu-239/240 by AEA	PU-239/240	4.0e-02	0.040	PCG	08/22/03	0.000	1000.000	
LCS	Pu-239/240 by AEA	PU-239/240	1.3e+01	105.691	% Recov	08/22/03	75.000	125.000	

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20031112
Matrix: SOLID
Test: PCBs complete list

SAF Number: F03-012
Sample Date: 08/13/03
Receive Date:08/13/03

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
Lab ID: W030000701									
BATCH QC ASSOCIATED WITH SAMPLE									
SURR	Decachlorobiphenyl	2051-24-3	1010.1	100.000	% Recov	08/25/03	50.000	150.000	
SURR	Tetrachloro-m-xylene	877-09-8	914.42	90.600	% Recov	08/25/03	50.000	150.000	
Lab ID: W030000704									
BATCH QC ASSOCIATED WITH SAMPLE									
MS	Aroclor-1254	11097-69-1	895.94	100.000	% Recov	08/25/03	75.000	125.000	
MS	Decachlorobiphenyl	2051-24-3	951.83	106.000	% Recov	08/25/03	50.000	150.000	
MS	Tetrachloro-m-xylene	877-09-8	796.80	89.100	% Recov	08/25/03	50.000	150.000	
MSD	Aroclor-1254	11097-69-1	880.85	94.000	% Recov	08/25/03	75.000	125.000	
MSD	Decachlorobiphenyl	2051-24-3	926.67	98.900	% Recov	08/25/03	50.000	150.000	
MSD	Tetrachloro-m-xylene	877-09-8	810.77	86.500	% Recov	08/25/03	50.000	150.000	
SURR	Decachlorobiphenyl	2051-24-3	937.21	99.300	% Recov	08/25/03	50.000	150.000	
SURR	Tetrachloro-m-xylene	877-09-8	871.30	92.300	% Recov	08/25/03	50.000	150.000	
Lab ID: W030000705									
BATCH QC ASSOCIATED WITH SAMPLE									
SURR	Decachlorobiphenyl	2051-24-3	959.91	96.700	% Recov	08/25/03	50.000	150.000	
SURR	Tetrachloro-m-xylene	877-09-8	865.58	87.200	% Recov	08/25/03	50.000	150.000	
Lab ID: W030000709									
BATCH QC ASSOCIATED WITH SAMPLE									
MS	Aroclor-1254	11097-69-1	996.48	99.800	% Recov	08/25/03	75.000	125.000	
MS	Decachlorobiphenyl	2051-24-3	967.88	96.900	% Recov	08/25/03	50.000	150.000	
MS	Tetrachloro-m-xylene	877-09-8	849.16	85.000	% Recov	08/25/03	50.000	150.000	
MSD	Aroclor-1254	11097-69-1	883.58	94.800	% Recov	08/25/03	75.000	125.000	
MSD	Decachlorobiphenyl	2051-24-3	836.39	89.700	% Recov	08/25/03	50.000	150.000	

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20031112
Matrix: SOLID
Test: PCBs complete list

SAF Number: F03-012
Sample Date: 08/13/03
Receive Date:08/13/03

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
MSD	Tetrachloro-m-xylene	877-09-8	818.66	87.800	% Recov	08/25/03	50.000	150.000	
SPK-RPD	Aroclor-1254	11097-69-1	94.800	5.139	RPD	08/25/03	0.000	25.000	
SPK-RPD	Decachlorobiphenyl	2051-24-3	89.700	7.717	RPD	08/25/03	0.000	20.000	
SPK-RPD	Tetrachloro-m-xylene	877-09-8	87.800	3.241	RPD	08/25/03	0.000	20.000	

BATCH QC

BLANK	Aroclor-1016	12674-11-2	< 50	n/a	ug/Kg	08/25/03			U
BLANK	Aroclor-1221	11104-28-2	< 100	n/a	ug/Kg	08/25/03			U
BLANK	Aroclor-1232	11141-16-5	< 50	n/a	ug/Kg	08/25/03			U
BLANK	Aroclor-1242	53469-21-9	< 50	n/a	ug/Kg	08/25/03			U
BLANK	Aroclor-1248	12672-29-6	< 50	n/a	ug/Kg	08/25/03			U
BLANK	Aroclor-1254	11097-69-1	< 50	n/a	ug/Kg	08/25/03			U
BLANK	Aroclor-1260	11096-82-5	< 50	n/a	ug/Kg	08/25/03			U
BLANK	Aroclor-1262	37324-23-5	< 50	n/a	ug/Kg	08/25/03			U
BLANK	Aroclor-1268	11100-14-4	< 50	n/a	ug/Kg	08/25/03			U
BLANK	Decachlorobiphenyl	2051-24-3	985.05	98.500	% Recov	08/25/03	50.000	150.000	
BLANK	Tetrachloro-m-xylene	877-09-8	911.08	91.100	% Recov	08/25/03	50.000	150.000	
LCS	Aroclor-1254	11097-69-1	992.58	99.300	% Recov	08/25/03	70.000	130.000	
LCS	Decachlorobiphenyl	2051-24-3	973.45	97.300	% Recov	08/25/03	50.000	150.000	
LCS	Tetrachloro-m-xylene	877-09-8	870.69	87.100	% Recov	08/25/03	50.000	150.000	

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20031112
Matrix: SOLID
Test: WTPH-D TPH Diesel Range (Wa)

SAF Number: F03-012
Sample Date: 08/13/03
Receive Date:08/13/03

QC Type	Analyte		CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
Lab ID: W030000701										
BATCH QC ASSOCIATED WITH SAMPLE										
SURR	ortho-Terphenyl	Surr	84-15-1	25243	97.500	% Recov	08/22/03	70.000	130.000	
Lab ID: W030000704										
BATCH QC ASSOCIATED WITH SAMPLE										
SURR	ortho-Terphenyl	Surr	84-15-1	25718	101.000	% Recov	08/22/03	70.000	130.000	
Lab ID: W030000705										
BATCH QC ASSOCIATED WITH SAMPLE										
MS	Kerosene		TPHKEROSENE	116050	90.100	%Recove	08/22/03	70.000	130.000	
MS	ortho-Terphenyl	Surr	84-15-1	24629	95.600	% Recov	08/22/03	70.000	130.000	
MSD	Kerosene		TPHKEROSENE	111040	86.700	%Recove	08/22/03	70.000	130.000	
MSD	ortho-Terphenyl	Surr	84-15-1	26642	104.000	% Recov	08/22/03	70.000	130.000	
SURR	ortho-Terphenyl	Surr	84-15-1	24890	96.900	% Recov	08/22/03	70.000	130.000	
Lab ID: W030000709										
BATCH QC ASSOCIATED WITH SAMPLE										
MS	Kerosene		TPHKEROSENE	270970	70.500	%Recove	08/22/03	70.000	130.000	
MS	ortho-Terphenyl	Surr	84-15-1	72649	94.400	% Recov	08/22/03	70.000	130.000	
MSD	Kerosene		TPHKEROSENE	266420	70.400	%Recove	08/22/03	70.000	130.000	
MSD	ortho-Terphenyl	Surr	84-15-1	70118	92.600	% Recov	08/22/03	70.000	130.000	
SPK-RPD	ortho-Terphenyl	Surr	84-15-1	92.600	1.925	RPD	08/22/03	0.000	20.000	
BATCH QC										
BLANK	Kerosene		TPHKEROSENE	< 3800	n/a	ug/Kg	08/22/03	0.000	100.000	U
BLANK	ortho-Terphenyl	Surr	84-15-1	26423	106.000	ug/Kg	08/22/03	70.000	130.000	
BLANK	Total Pet. Hydrocarbons Diesel		TPHDIESEL	< 3800	n/a	ug/Kg	08/22/03	0.000	300.000	U

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20031112
Matrix: SOLID
Test: WTPH-D TPH Diesel Range (Wa)

SAF Number: F03-012
Sample Date:
Receive Date:

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
LCS	ortho-Terphenyl Surr	84-15-1	25832	103.000	% Recov	08/22/03	70.000	130.000	
LCS	Total Pet. Hydrocarbons Diesel	TPHDIESEL	101800	81.400	% Recov	08/22/03	80.000	120.000	

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20031112
Matrix: SOLID
Test: Americium by AEA

SAF Number: F03-012
Sample Date: 08/13/03
Receive Date:08/13/03

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
Lab ID: W030000701									
BATCH QC ASSOCIATED WITH SAMPLE									
DUP	Americium-241	14596-10-2	-2.4e-02	2120.000	RPD	08/22/03	0.000	20.000	*
BATCH QC									
BLANK	Americium-241	14596-10-2	4.0e-03	0.004	PCG	08/22/03	0.000	1000.000	
LCS	Americium-241	14596-10-2	1.3e+01	98.859	% Recov	08/22/03	75.000	125.000	

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20031112
Matrix: SOLID
Test: SW-846 8270B Semi-Vols

SAF Number: F03-012
Sample Date: 08/13/03
Receive Date:08/13/03

Lab ID: W030000701
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	2074.8	60.100	% Recov	08/20/03	46.000	107.000	
MS	1,4-Dichlorobenzene	106-46-7	2586.6	74.900	% Recov	08/20/03	30.000	96.000	
MS	2,4-Dinitrotoluene	121-14-2	2325.2	67.300	% Recov	08/20/03	59.000	106.000	
MS	2-Fluorophenol	367-12-4	0.00	0.000	%Recove	08/20/03	42.000	105.000	*
MS	Acenaphthene	83-32-9	2615.2	75.700	% Recov	08/20/03	61.000	116.000	
MS	4-Chloro-3-methylphenol	59-50-7	652.51	12.600	% Recov	08/20/03	61.000	106.000	*
MS	2-Chlorophenol	95-57-8	0	0.000	% Recov	08/20/03	66.000	106.000	*
MS	N-Nitrosodi-n-dipropylamine	621-64-7	2053.8	59.500	% Recov	08/20/03	71.000	114.000	*
MS	2-Fluorobiphenyl	321-60-8	2733.8	79.100	%Recove	08/20/03	56.000	122.000	
MS	Phenol	108-95-2	0	0.000	% Recov	08/20/03	42.000	111.000	*
MS	Nitrobenzene-d5	4165-60-0	2575.3	74.600	%Recove	08/20/03	64.000	111.000	
MS	4-Nitrophenol	100-02-7	0	0.000	% Recov	08/20/03	32.000	118.000	*
MS	Pentachlorophenol	87-86-5	0	0.000	% Recov	08/20/03	62.000	114.000	*
MS	Phenol-d5	4165-62-2	0.00	0.000	%Recove	08/20/03	54.000	120.000	*
MS	Pyrene	129-00-0	2172.9	62.900	% Recov	08/20/03	66.000	118.000	*
MS	2,4,6-Tribromophenol	118-79-6	0.00	0.000	%Recove	08/20/03	24.000	122.000	*
MS	Terphenyl-d14 (7Cl)	98904-43-9	2277.0	65.900	%Recove	08/20/03	35.000	150.000	
MSD	1,2,4-Trichlorobenzene	120-82-1	3181.6	92.400	% Recov	08/20/03	46.000	107.000	
MSD	1,4-Dichlorobenzene	106-46-7	2832.9	82.300	% Recov	08/20/03	30.000	96.000	
MSD	2,4-Dinitrotoluene	121-14-2	2524.4	73.300	% Recov	08/20/03	59.000	106.000	
MSD	2-Fluorophenol	367-12-4	0.00	0.000	%Recove	08/20/03	42.000	105.000	*
MSD	Acenaphthene	83-32-9	2748.6	79.800	% Recov	08/20/03	61.000	116.000	
MSD	4-Chloro-3-methylphenol	59-50-7	510.17	9.880	% Recov	08/20/03	61.000	106.000	*
MSD	2-Chlorophenol	95-57-8	0	0.000	% Recov	08/20/03	66.000	106.000	*
MSD	N-Nitrosodi-n-dipropylamine	621-64-7	2787.2	80.900	% Recov	08/20/03	71.000	114.000	
MSD	2-Fluorobiphenyl	321-60-8	2735.6	79.400	%Recove	08/20/03	56.000	122.000	

WSCF ANALYTICAL LABORATORY QC REPORT

2-47

SDG Number: WSCF20031112
Matrix: SOLID
Test: SW-846 8270B Semi-Vols

SAF Number: F03-012
Sample Date: 08/13/03
Receive Date:08/13/03

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
MSD	Phenol	108-95-2	0	0.000	% Recov	08/20/03	42.000	111.000	*
MSD	Nitrobenzene-d5	4165-60-0	2048.3	59.500	%Recove	08/20/03	64.000	111.000	*
MSD	4-Nitrophenol	100-02-7	0	0.000	% Recov	08/20/03	32.000	118.000	*
MSD	Pentachlorophenol	87-86-5	0	0.000	% Recov	08/20/03	62.000	114.000	*
MSD	Phenol-d5	4165-62-2	0.00	0.000	%Recove	08/20/03	54.000	120.000	*
MSD	Pyrene	129-00-0	2208.7	64.100	% Recov	08/20/03	66.000	118.000	*
MSD	2,4,6-Tribromophenol	118-79-6	0.00	0.000	%Recove	08/20/03	24.000	122.000	*
MSD	Terphenyl-d14 (7Cl)	98904-43-9	2364.0	68.600	%Recove	08/20/03	35.000	150.000	
SPK-RPD	1,2,4-Trichlorobenzene	120-82-1	92.400	42.361	RPD	08/20/03	0.000	20.000	*
SPK-RPD	1,4-Dichlorobenzene	106-46-7	82.300	9.415	RPD	08/20/03	0.000	20.000	
SPK-RPD	2,4-Dinitrotoluene	121-14-2	73.300	8.535	RPD	08/20/03	0.000	20.000	
SPK-RPD	2-Fluorophenol	367-12-4	0.000	0.000	%Recove	08/20/03	0.000	20.000	
SPK-RPD	Acenaphthene	83-32-9	79.800	5.273	RPD	08/20/03	0.000	20.000	
SPK-RPD	4-Chloro-3-methylphenol	59-50-7	9.880	24.199	RPD	08/20/03	0.000	20.000	*
SPK-RPD	2-Chlorophenol	95-57-8	0.000	0.000	RPD	08/20/03	0.000	20.000	
SPK-RPD	N-Nitrosodi-n-dipropylamine	621-64-7	80.900	30.484	RPD	08/20/03	0.000	20.000	*
SPK-RPD	2-Fluorobiphenyl	321-60-8	79.400	0.379	%Recove	08/20/03	0.000	20.000	
SPK-RPD	Phenol	108-95-2	0.000	0.000	RPD	08/20/03	0.000	20.000	
SPK-RPD	Nitrobenzene-d5	4165-60-0	59.500	22.521	%Recove	08/20/03	0.000	20.000	*
SPK-RPD	4-Nitrophenol	100-02-7	0.000	0.000	RPD	08/20/03	0.000	20.000	
SPK-RPD	Pentachlorophenol	87-86-5	0.000	0.000	RPD	08/20/03	0.000	20.000	
SPK-RPD	Phenol-d5	4165-62-2	0.000	0.000	%Recove	08/20/03	0.000	20.000	
SPK-RPD	Pyrene	129-00-0	64.100	1.890	RPD	08/20/03	0.000	20.000	
SPK-RPD	2,4,6-Tribromophenol	118-79-6	0.000	0.000	%Recove	08/20/03	0.000	20.000	
SPK-RPD	Terphenyl-d14 (7Cl)	98904-43-9	68.600	4.024	%Recove	08/20/03	0.000	20.000	
SURR	2-Fluorophenol	367-12-4	0.00	0.000	%Recove	08/20/03	42.000	105.000	*
SURR	2-Fluorobiphenyl	321-60-8	2978.6	86.800	%Recove	08/20/03	56.000	122.000	
SURR	Nitrobenzene-d5	4165-60-0	2730.6	79.600	%Recove	08/20/03	64.000	111.000	
SURR	Phenol-d5	4165-62-2	0.00	0.000	%Recove	08/20/03	54.000	120.000	*
SURR	2,4,6-Tribromophenol	118-79-6	0.00	0.000	%Recove	08/20/03	24.000	122.000	*

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20031112
Matrix: SOLID
Test: SW-846 8270B Semi-Vols

SAF Number: F03-012
Sample Date: 08/13/03
Receive Date:08/13/03

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit		RQ
SURR	Terphenyl-d14 (7Cl)	98904-43-9	2417.3	70.400	%Recove	08/20/03	35.000	150.000		
Lab ID: W030000704										
BATCH QC ASSOCIATED WITH SAMPLE										
SURR	2-Fluorophenol	367-12-4	0.00	0.000	%Recove	08/20/03	42.000	105.000	*	
SURR	2-Fluorobiphenyl	321-60-8	2718.4	79.800	%Recove	08/20/03	56.000	122.000		
SURR	Nitrobenzene-d5	4165-60-0	2367.3	69.500	%Recove	08/20/03	64.000	111.000		
SURR	Phenol-d5	4165-62-2	0.00	0.000	%Recove	08/20/03	54.000	120.000	*	
SURR	2,4,6-Tribromophenol	118-79-6	0.00	0.000	%Recove	08/20/03	24.000	122.000	*	
SURR	Terphenyl-d14 (7Cl)	98904-43-9	2456.7	72.100	%Recove	08/20/03	35.000	150.000		
Lab ID: W030000705										
BATCH QC ASSOCIATED WITH SAMPLE										
SURR	2-Fluorophenol	367-12-4	0.00	0.000	%Recove	08/20/03	42.000	105.000	*	
SURR	2-Fluorobiphenyl	321-60-8	2767.2	80.900	%Recove	08/20/03	56.000	122.000		
SURR	Nitrobenzene-d5	4165-60-0	1902.0	55.600	%Recove	08/20/03	64.000	111.000	*	
SURR	Phenol-d5	4165-62-2	0.00	0.000	%Recove	08/20/03	54.000	120.000	*	
SURR	2,4,6-Tribromophenol	118-79-6	0.00	0.000	%Recove	08/20/03	24.000	122.000	*	
SURR	Terphenyl-d14 (7Cl)	98904-43-9	2489.2	72.800	%Recove	08/20/03	35.000	150.000		
BATCH QC										
BLANK	1,2-Dichlorobenzene	95-50-1	< 360	n/a	ug/Kg	08/20/03				U
BLANK	1,2,4-Trichlorobenzene	120-82-1	< 290	n/a	ug/Kg	08/20/03				U
BLANK	1,3-Dichlorobenzene	541-73-1	< 320	n/a	ug/Kg	08/20/03				U
BLANK	1,4-Dichlorobenzene	106-46-7	< 310	n/a	ug/Kg	08/20/03				U
BLANK	2,4-Dichlorophenol	120-83-2	< 80	n/a	ug/Kg	08/20/03				U
BLANK	2,4-Dinitrotoluene	121-14-2	< 67	n/a	ug/Kg	08/20/03				U
BLANK	2,4,5-Trichlorophenol	95-95-4	< 73	n/a	ug/Kg	08/20/03				U
BLANK	2,4,6-Trichlorophenol	88-06-2	< 67	n/a	ug/Kg	08/20/03				U
BLANK	2,4-Dimethylphenol	105-67-9	< 67	n/a	ug/Kg	08/20/03				U

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20031112
Matrix: SOLID
Test: SW-846 8270B Semi-Vols

SAF Number: F03-012
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	08/20/03			U
BLANK	2-Butoxyethanol	111-76-2	< 100	n/a	ug/Kg	08/20/03			U
BLANK	2-Chloronaphthalene	91-58-7	< 67	n/a	ug/Kg	08/20/03			U
BLANK	2-Fluorophenol	367-12-4	2663.4	79.900	%Recove	08/20/03	42.000	105.000	
BLANK	2-Methylnaphthalene	91-57-6	< 180	n/a	ug/Kg	08/20/03			U
BLANK	2-Methylphenol (cresol, o-)	95-48-7	< 67	n/a	ug/Kg	08/20/03			U
BLANK	2-Nitroaniline	88-74-4	< 67	n/a	ug/Kg	08/20/03			U
BLANK	2-Nitrophenol	88-75-5	< 170	n/a	ug/Kg	08/20/03			U
BLANK	3 & 4 Methylphenol Total	65794-96-9	< 110	n/a	ug/Kg	08/20/03	0.000	300.000	U
BLANK	3-Nitroaniline	99-09-2	< 67	n/a	ug/Kg	08/20/03			U
BLANK	4,6-Dinitro-2-methylphenol	534-52-1	< 670	n/a	ug/Kg	08/20/03			U
BLANK	4-Bromophenylphenyl ether	101-55-3	< 67	n/a	ug/Kg	08/20/03			U
BLANK	4-Chlorophenylphenyl ether	7005-72-3	< 67	n/a	ug/Kg	08/20/03			U
BLANK	Acenaphthene	83-32-9	< 67	n/a	ug/Kg	08/20/03			U
BLANK	Acenaphthylene	208-96-8	< 80	n/a	ug/Kg	08/20/03			U
BLANK	Anthracene	120-12-7	< 67	n/a	ug/Kg	08/20/03			U
BLANK	Bis(2-chloroethyl) ether	111-44-4	< 250	n/a	ug/Kg	08/20/03			U
BLANK	Benzo(a)anthracene	56-55-3	< 67	n/a	ug/Kg	08/20/03			U
BLANK	Benzo(b)fluoranthene	205-99-2	< 67	n/a	ug/Kg	08/20/03			U
BLANK	Benzo(ghi)perylene	191-24-2	< 67	n/a	ug/Kg	08/20/03			U
BLANK	Benzo(a)pyrene	50-32-8	< 67	n/a	ug/Kg	08/20/03			U
BLANK	Bis(2-Chloroethoxy)methane	111-91-1	< 110	n/a	ug/Kg	08/20/03			U
BLANK	Bis(2-ethylhexyl) phthalate	117-81-7	< 560	n/a	ug/Kg	08/20/03			U
BLANK	Bis(2-chloro-1-methylethyl)eth	108-60-1	< 250	n/a	ug/Kg	08/20/03	0.000	10.000	U
BLANK	Benzyl alcohol	100-51-6	< 73	n/a	ug/Kg	08/20/03			U
BLANK	Benzo(k)fluoranthene	207-08-9	< 67	n/a	ug/Kg	08/20/03			U
BLANK	Butylbenzylphthalate	85-68-7	< 67	n/a	ug/Kg	08/20/03			U
BLANK	Carbazole	86-74-8	< 80	n/a	ug/Kg	08/20/03			U
BLANK	4-Chloroaniline	106-47-8	< 93	n/a	ug/Kg	08/20/03			U
BLANK	4-Chloro-3-methylphenol	59-50-7	< 67	n/a	ug/Kg	08/20/03			U

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20031112
Matrix: SOLID
Test: SW-846 8270B Semi-Vols

SAF Number: F03-012
Sample Date:
Receive Date:

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
BLANK	2-Chlorophenol	95-57-8	< 150	n/a	ug/Kg	08/20/03			U
BLANK	Chrysene	218-01-9	< 67	n/a	ug/Kg	08/20/03			U
BLANK	3,3'-Dichlorobenzidine	91-94-1	< 80	n/a	ug/Kg	08/20/03			U
BLANK	Dibenz[a,h]anthracene	53-70-3	< 67	n/a	ug/Kg	08/20/03			U
BLANK	Dibenzofuran	132-64-9	< 67	n/a	ug/Kg	08/20/03			U
BLANK	Di-n-butylphthalate	84-74-2	< 87	n/a	ug/Kg	08/20/03			U
BLANK	Diethylphthalate	84-66-2	210	210.000	ug/Kg	08/20/03			
BLANK	Dimethyl phthalate	131-11-3	< 67	n/a	ug/Kg	08/20/03			U
BLANK	2,4-Dinitrophenol	51-28-5	< 670	n/a	ug/Kg	08/20/03			U
BLANK	Di-n-octylphthalate	117-84-0	< 67	n/a	ug/Kg	08/20/03			U
BLANK	N-Nitrosodi-n-dipropylamine	621-64-7	< 67	n/a	ug/Kg	08/20/03			U
BLANK	2-Fluorobiphenyl	321-60-8	3159.2	94.800	%Recove	08/20/03	56.000	122.000	
BLANK	Fluorene	86-73-7	< 67	n/a	ug/Kg	08/20/03			U
BLANK	Fluoranthene	206-44-0	< 67	n/a	ug/Kg	08/20/03			U
BLANK	Hexachlorobenzene	118-74-1	< 67	n/a	ug/Kg	08/20/03			U
BLANK	Hexachlorobutadiene	87-68-3	< 370	n/a	ug/Kg	08/20/03			U
BLANK	Hexachlorocyclopentadiene	77-47-4	< 310	n/a	ug/Kg	08/20/03			U
BLANK	Hexachloroethane	67-72-1	< 470	n/a	ug/Kg	08/20/03			U
BLANK	Indeno(1,2,3-cd)pyrene	193-39-5	< 67	n/a	ug/Kg	08/20/03			U
BLANK	Isophorone	78-59-1	< 67	n/a	ug/Kg	08/20/03			U
BLANK	Phenol	108-95-2	< 100	n/a	ug/Kg	08/20/03			U
BLANK	Naphthalene	91-20-3	< 290	n/a	ug/Kg	08/20/03			U
BLANK	Nitrobenzene-d5	4165-60-0	2661.2	79.800	%Recove	08/20/03	64.000	111.000	
BLANK	Nitrobenzene	98-95-3	< 260	n/a	ug/Kg	08/20/03			U
BLANK	4-Nitrophenol	100-02-7	< 850	n/a	ug/Kg	08/20/03			U
BLANK	4-Nitroaniline	100-01-6	< 250	n/a	ug/Kg	08/20/03			U
BLANK	N-Nitrosodiphenylamine	86-30-6	< 67	n/a	ug/Kg	08/20/03			U
BLANK	Pentachlorophenol	87-86-5	< 300	n/a	ug/Kg	08/20/03			U
BLANK	Phenanthrene	85-01-8	< 67	n/a	ug/Kg	08/20/03			U
BLANK	Phenol-d5	4165-62-2	3046.3	91.400	%Recove	08/20/03	54.000	120.000	

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20031112
Matrix: SOLID
Test: SW-846 8270B Semi-Vols

SAF Number: F03-012
Sample Date:
Receive Date:

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
BLANK	Pyrene	129-00-0	< 67	n/a	ug/Kg	08/20/03			U
BLANK	Tributyl phosphate	126-73-8	< 67	n/a	ug/Kg	08/20/03			U
BLANK	2,4,6-Tribromophenol	118-79-6	3011.8	90.400	%Recove	08/20/03	24.000	122.000	
BLANK	Terphenyl-d14 (7Cl)	98904-43-9	2634.4	79.000	%Recove	08/20/03	35.000	150.000	
LCS	1,2,4-Trichlorobenzene	120-82-1	2345.6	70.400	% Recov	08/20/03	46.000	107.000	
LCS	1,4-Dichlorobenzene	106-46-7	2747.2	82.400	% Recov	08/20/03	42.000	111.000	
LCS	2,4-Dinitrotoluene	121-14-2	2879.3	86.400	% Recov	08/20/03	59.000	106.000	
LCS	2-Fluorophenol	367-12-4	2782.5	83.500	% Recov	08/20/03	50.000	110.000	
LCS	Acenaphthene	83-32-9	3033.2	91.000	% Recov	08/20/03	61.000	116.000	
LCS	4-Chloro-3-methylphenol	59-50-7	3942.8	78.900	% Recov	08/20/03	61.000	106.000	
LCS	2-Chlorophenol	95-57-8	3919.5	78.400	% Recov	08/20/03	66.000	106.000	
LCS	N-Nitrosodi-n-dipropylamine	621-64-7	2438.3	73.100	% Recov	08/20/03	71.000	114.000	
LCS	2-Fluorobiphenyl	321-60-8	2712.4	81.400	% Recov	08/20/03	58.000	109.000	
LCS	Phenol	108-95-2	4715.7	94.300	% Recov	08/20/03	67.000	105.000	
LCS	Nitrobenzene-d5	4165-60-0	2279.0	68.400	% Recov	08/20/03	60.000	118.000	
LCS	4-Nitrophenol	100-02-7	3780.1	75.600	% Recov	08/20/03	32.000	118.000	
LCS	Pentachlorophenol	87-86-5	3949.9	79.000	% Recov	08/20/03	62.000	114.000	
LCS	Phenol-d5	4165-62-2	2640.1	79.200	% Recov	08/20/03	59.000	116.000	
LCS	Pyrene	129-00-0	2285.7	68.600	% Recov	08/20/03	66.000	118.000	
LCS	2,4,6-Tribromophenol	118-79-6	3266.3	98.000	% Recov	08/20/03	60.000	120.000	
LCS	Terphenyl-d14 (7Cl)	98904-43-9	2367.6	71.000	% Recov	08/20/03	60.000	120.000	

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20031112
Matrix: SOLID
Test: ICP-2008 MS All possible metal

SAF Number: F03-012
Sample Date: 08/13/03
Receive Date:08/13/03

Lab ID: W030000701
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	373.427	94.778	% Recov	09/08/03	70.000	130.000	
MS	Arsenic	7440-38-2	370.867	94.129	% Recov	09/08/03	70.000	130.000	
MS	Barium	7440-39-3	368.4	93.503	% Recov	09/08/03	70.000	130.000	
MS	Beryllium	7440-41-7	363.5	92.259	% Recov	09/08/03	70.000	130.000	
MS	Cadmium	7440-43-9	366.5	93.020	% Recov	09/08/03	70.000	130.000	
MS	Chromium	7440-47-3	368.51	93.530	% Recov	09/08/03	70.000	130.000	
MS	Copper	7440-50-8	360.81	91.576	% Recov	09/08/03	70.000	130.000	
MS	Mercury	7439-97-6	19.23	97.614	% Recov	09/08/03	70.000	130.000	
MS	Nickel	7440-02-0	361.19	91.673	% Recov	09/08/03	70.000	130.000	
MS	Lead	7439-92-1	370.6	94.061	% Recov	09/08/03	70.000	130.000	
MS	Antimony	7440-36-0	378.1	95.964	% Recov	09/08/03	70.000	130.000	
MS	Selenium	7782-49-2	361.8	91.827	% Recov	09/08/03	70.000	130.000	
MS	Uranium	7440-61-1	369.7	93.832	% Recov	09/08/03	70.000	130.000	
MSD	Silver	7440-22-4	355.827	90.311	% Recov	09/08/03	70.000	130.000	
MSD	Arsenic	7440-38-2	359.067	91.134	% Recov	09/08/03	70.000	130.000	
MSD	Barium	7440-39-3	336.1	85.305	% Recov	09/08/03	70.000	130.000	
MSD	Beryllium	7440-41-7	343.5	87.183	% Recov	09/08/03	70.000	130.000	
MSD	Cadmium	7440-43-9	349	88.579	% Recov	09/08/03	70.000	130.000	
MSD	Chromium	7440-47-3	351.31	89.165	% Recov	09/08/03	70.000	130.000	
MSD	Copper	7440-50-8	341.71	86.728	% Recov	09/08/03	70.000	130.000	
MSD	Mercury	7439-97-6	18.63	94.569	% Recov	09/08/03	70.000	130.000	
MSD	Nickel	7440-02-0	348.19	88.373	% Recov	09/08/03	70.000	130.000	
MSD	Lead	7439-92-1	357.4	90.711	% Recov	09/08/03	70.000	130.000	
MSD	Antimony	7440-36-0	372.3	94.492	% Recov	09/08/03	70.000	130.000	
MSD	Selenium	7782-49-2	348.8	88.528	% Recov	09/08/03	70.000	130.000	
MSD	Uranium	7440-61-1	354.2	89.898	% Recov	09/08/03	70.000	130.000	

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20031112
Matrix: SOLID
Test: ICP-2008 MS All possible metal

SAF Number: F03-012
Sample Date: 08/13/03
Receive Date:08/13/03

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
Lab ID: W030000709									
BATCH QC ASSOCIATED WITH SAMPLE									
MS	Silver	7440-22-4	365.8	92.095	% Recov	09/08/03	70.000	130.000	
MS	Arsenic	7440-38-2	384.9	96.903	% Recov	09/08/03	70.000	130.000	
MS	Barium	7440-39-3	394.04	99.204	% Recov	09/08/03	70.000	130.000	
MS	Beryllium	7440-41-7	367.8	92.598	% Recov	09/08/03	70.000	130.000	
MS	Chromium	7440-47-3	370.63	93.311	% Recov	09/08/03	70.000	130.000	
MS	Copper	7440-50-8	376.288	94.735	% Recov	09/08/03	70.000	130.000	
MS	Mercury	7439-97-6	19.97	100.554	% Recov	09/08/03	70.000	130.000	
MS	Nickel	7440-02-0	372.29	93.729	% Recov	09/08/03	70.000	130.000	
MS	Lead	7439-92-1	369.6	93.051	% Recov	09/08/03	70.000	130.000	
MS	Antimony	7440-36-0	397.2	100.000	% Recov	09/08/03	70.000	130.000	
MS	Uranium	7440-61-1	367.2	92.447	% Recov	09/08/03	70.000	130.000	
MSD	Silver	7440-22-4	365.9	92.680	% Recov	09/08/03	70.000	130.000	
MSD	Arsenic	7440-38-2	387.3	98.100	% Recov	09/08/03	70.000	130.000	
MSD	Barium	7440-39-3	365.34	92.538	% Recov	09/08/03	70.000	130.000	
MSD	Beryllium	7440-41-7	355.8	90.122	% Recov	09/08/03	70.000	130.000	
MSD	Chromium	7440-47-3	368.13	93.245	% Recov	09/08/03	70.000	130.000	
MSD	Copper	7440-50-8	370.888	93.943	% Recov	09/08/03	70.000	130.000	
MSD	Mercury	7439-97-6	19.8	100.304	% Recov	09/08/03	70.000	130.000	
MSD	Nickel	7440-02-0	372.09	94.248	% Recov	09/08/03	70.000	130.000	
MSD	Lead	7439-92-1	366.7	92.882	% Recov	09/08/03	70.000	130.000	
MSD	Antimony	7440-36-0	391.3	99.113	% Recov	09/08/03	70.000	130.000	
MSD	Uranium	7440-61-1	357.2	90.476	% Recov	09/08/03	70.000	130.000	
Lab ID: W030000775									
BATCH QC ASSOCIATED WITH SAMPLE									
MS	Silver	7440-22-4	375.3	95.545	% Recov	09/08/03	70.000	130.000	
MS	Arsenic	7440-38-2	380.185	96.788	% Recov	09/08/03	70.000	130.000	

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20031112
Matrix: SOLID
Test: ICP-2008 MS All possible metal

SAF Number: F03-012
Sample Date: 08/28/03
Receive Date:08/28/03

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
MS	Barium	7440-39-3	362.48	92.281	% Recov	09/08/03	70.000	130.000	
MS	Beryllium	7440-41-7	321.6	81.874	% Recov	09/08/03	70.000	130.000	
MS	Chromium	7440-47-3	360.568	91.794	% Recov	09/08/03	70.000	130.000	
MS	Copper	7440-50-8	349.499	88.976	% Recov	09/08/03	70.000	130.000	
MS	Mercury	7439-97-6	19.47	99.134	% Recov	09/08/03	70.000	130.000	
MS	Nickel	7440-02-0	354.616	90.279	% Recov	09/08/03	70.000	130.000	
MS	Lead	7439-92-1	362.5	92.286	% Recov	09/08/03	70.000	130.000	
MS	Antimony	7440-36-0	396.2	100.866	% Recov	09/08/03	70.000	130.000	
MS	Uranium	7440-61-1	351.9	89.588	% Recov	09/08/03	70.000	130.000	
MSD	Silver	7440-22-4	403.9	100.174	% Recov	09/08/03	70.000	130.000	
MSD	Arsenic	7440-38-2	402.285	99.773	% Recov	09/08/03	70.000	130.000	
MSD	Barium	7440-39-3	391.68	97.143	% Recov	09/08/03	70.000	130.000	
MSD	Beryllium	7440-41-7	345.7	85.739	% Recov	09/08/03	70.000	130.000	
MSD	Chromium	7440-47-3	387.268	96.049	% Recov	09/08/03	70.000	130.000	
MSD	Copper	7440-50-8	377.399	93.601	% Recov	09/08/03	70.000	130.000	
MSD	Mercury	7439-97-6	20.91	103.720	% Recov	09/08/03	70.000	130.000	
MSD	Nickel	7440-02-0	377.816	93.704	% Recov	09/08/03	70.000	130.000	
MSD	Lead	7439-92-1	389.8	96.677	% Recov	09/08/03	70.000	130.000	
MSD	Antimony	7440-36-0	424	105.159	% Recov	09/08/03	70.000	130.000	
MSD	Uranium	7440-61-1	375.7	93.180	% Recov	09/08/03	70.000	130.000	

Lab ID: W030000799
BATCH QC ASSOCIATED WITH SAMPLE

MS	Silver	7440-22-4	376.7	93.706	% Recov	09/08/03	70.000	130.000
MS	Arsenic	7440-38-2	377.936	94.014	% Recov	09/08/03	70.000	130.000
MS	Barium	7440-39-3	363.93	90.530	% Recov	09/08/03	70.000	130.000
MS	Beryllium	7440-41-7	349.8	87.015	% Recov	09/08/03	70.000	130.000
MS	Cadmium	7440-43-9	368.4	91.642	% Recov	09/08/03	70.000	130.000
MS	Chromium	7440-47-3	371.521	92.418	% Recov	09/08/03	70.000	130.000
MS	Copper	7440-50-8	368.95	91.779	% Recov	09/08/03	70.000	130.000

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20031112
Matrix: SOLID
Test: ICP-2008 MS All possible metal

SAF Number: F03-012
Sample Date: 09/04/03
Receive Date:09/04/03

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
MS	Mercury	7439-97-6	20.09	99.950	% Recov	09/08/03	70.000	130.000	
MS	Nickel	7440-02-0	365.098	90.820	% Recov	09/08/03	70.000	130.000	
MS	Lead	7439-92-1	375	93.284	% Recov	09/08/03	70.000	130.000	
MS	Antimony	7440-36-0	398.5	99.129	% Recov	09/08/03	70.000	130.000	
MS	Selenium	7782-49-2	369.3	91.866	% Recov	09/08/03	70.000	130.000	
MS	Uranium	7440-61-1	359.358	89.393	% Recov	09/08/03	70.000	130.000	
MSD	Silver	7440-22-4	382.6	95.174	% Recov	09/08/03	70.000	130.000	
MSD	Arsenic	7440-38-2	379.236	94.337	% Recov	09/08/03	70.000	130.000	
MSD	Barium	7440-39-3	361.83	90.007	% Recov	09/08/03	70.000	130.000	
MSD	Beryllium	7440-41-7	354.4	88.159	% Recov	09/08/03	70.000	130.000	
MSD	Cadmium	7440-43-9	365.5	90.920	% Recov	09/08/03	70.000	130.000	
MSD	Chromium	7440-47-3	369.221	91.846	% Recov	09/08/03	70.000	130.000	
MSD	Copper	7440-50-8	367.85	91.505	% Recov	09/08/03	70.000	130.000	
MSD	Mercury	7439-97-6	19.73	98.062	% Recov	09/08/03	70.000	130.000	
MSD	Nickel	7440-02-0	363.198	90.348	% Recov	09/08/03	70.000	130.000	
MSD	Lead	7439-92-1	372.6	92.687	% Recov	09/08/03	70.000	130.000	
MSD	Antimony	7440-36-0	396.2	98.557	% Recov	09/08/03	70.000	130.000	
MSD	Selenium	7782-49-2	365.1	90.821	% Recov	09/08/03	70.000	130.000	
MSD	Uranium	7440-61-1	361.558	89.940	% Recov	09/08/03	70.000	130.000	

BATCH QC

BLANK	Silver	7440-22-4	<0.2	n/a	ug/L	09/08/03	-0.440	0.440	U
BLANK	Arsenic	7440-38-2	<0.3	n/a	ug/L	09/08/03	-0.660	0.660	U
BLANK	Barium	7440-39-3	<0.2	n/a	ug/L	09/08/03	-0.440	0.440	U
BLANK	Beryllium	7440-41-7	<0.3	n/a	ug/L	09/08/03	-0.660	0.660	U
BLANK	Cadmium	7440-43-9	<0.1	n/a	ug/L	09/08/03	-0.220	0.220	U
BLANK	Chromium	7440-47-3	0.325	0.325	ug/L	09/08/03	-0.660	0.660	
BLANK	Copper	7440-50-8	<0.5	n/a	ug/L	09/08/03	-1.100	1.100	U
BLANK	Mercury	7439-97-6	<0.1	n/a	ug/L	09/08/03	-0.220	0.220	U
BLANK	Nickel	7440-02-0	<0.5	n/a	ug/L	09/08/03	-1.100	1.100	U

WSCF ANALYTICAL LABORATORY QC REPORT

2-56

SDG Number: WSCF20031112
Matrix: SOLID
Test: ICP-2008 MS All possible metal

SAF Number: F03-012
Sample Date:
Receive Date:

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
BLANK	Lead	7439-92-1	<1.2	n/a	ug/L	09/08/03	-2.640	2.640	U
BLANK	Antimony	7440-36-0	<0.5	n/a	ug/L	09/08/03	-1.100	1.100	U
BLANK	Selenium	7782-49-2	<0.3	n/a	ug/L	09/08/03	-0.660	0.660	U
BLANK	Uranium	7440-61-1	<0.1	n/a	ug/L	09/08/03	-0.220	0.220	U
LCS	Silver	7440-22-4	169.9	142.773	% Recov	09/08/03	85.000	115.000	*
LCS	Arsenic	7440-38-2	200	102.564	% Recov	09/08/03	85.000	115.000	
LCS	Barium	7440-39-3	379.8	96.888	% Recov	09/08/03	85.000	115.000	
LCS	Beryllium	7440-41-7	72.98	96.919	% Recov	09/08/03	85.000	115.000	
LCS	Cadmium	7440-43-9	70.18	102.303	% Recov	09/08/03	85.000	115.000	
LCS	Chromium	7440-47-3	81.87	94.647	% Recov	09/08/03	85.000	115.000	
LCS	Copper	7440-50-8	128.8	101.417	% Recov	09/08/03	85.000	115.000	
LCS	Mercury	7439-97-6	9.272	98.533	% Recov	09/08/03	85.000	115.000	
LCS	Nickel	7440-02-0	86.29	100.000	% Recov	09/08/03	85.000	115.000	
LCS	Lead	7439-92-1	95.69	101.259	% Recov	09/08/03	85.000	115.000	
LCS	Antimony	7440-36-0	135.2	97.971	% Recov	09/08/03	85.000	115.000	
LCS	Selenium	7782-49-2	121.5	100.000	% Recov	09/08/03	85.000	115.000	
LCS	Uranium	7440-61-1	378	97.423	% Recov	09/08/03	85.000	115.000	

WSCF ANALYTICAL LABORATORY QC REPORT

2-57

SDG Number: WSCF20031112
Matrix: SOLID
Test: Cyanide by Midi/Spectrophotom

SAF Number: F03-012
Sample Date: 08/13/03
Receive Date:08/13/03

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
Lab ID: W030000705									
BATCH QC ASSOCIATED WITH SAMPLE									
MS	Cyanide by Midi/Spectrophotom	57-12-5	96.5	96.500	% Recov	09/09/03	75.000	125.000	
MSD	Cyanide by Midi/Spectrophotom	57-12-5	95.5	95.500	% Recov	09/09/03	75.000	125.000	
SPK-RPD	Cyanide by Midi/Spectrophotom	57-12-5	95.500	1.042	RPD	09/09/03	0.000	20.000	
BATCH QC									
BLANK	Cyanide by Midi/Spectrophotom	57-12-5	2.7	2.700	ug/L	09/09/03	-4.000	4.000	
BLNK-PREP	Cyanide by Midi/Spectrophotom	57-12-5	2.7	2.700	ug/L	09/09/03	-4.000	4.000	
DUP	Cyanide by Midi/Spectrophotom	57-12-5	n/a	n/a	RPD	09/09/03	0.000	20.000	
LCS	Cyanide by Midi/Spectrophotom	57-12-5	105.0	105.000	% Recov	09/09/03	85.000	115.000	
LCS-2	Cyanide by Midi/Spectrophotom	57-12-5	n/a	n/a	% Recov	09/09/03	85.000	115.000	

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20031112
Matrix: SOLID
Test: ICP Metals Analysis, Grd H20 P

SAF Number: F03-012
Sample Date: 08/13/03
Receive Date:08/13/03

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
Lab ID: W030000701									
BATCH QC ASSOCIATED WITH SAMPLE									
MS	Boron	7440-42-8	244.75	98.690	% Recov	09/09/03	75.000	125.000	
MS	Bismuth	7440-69-9	229	92.339	% Recov	09/09/03	75.000	125.000	
MSD	Boron	7440-42-8	244650	98.649	% Recov	09/09/03	75.000	125.000	
MSD	Bismuth	7440-69-9	229300	92.460	% Recov	09/09/03	75.000	125.000	
Lab ID: W030000709									
BATCH QC ASSOCIATED WITH SAMPLE									
MS	Boron	7440-42-8	268	107.631	% Recov	09/09/03	75.000	125.000	
MS	Bismuth	7440-69-9	252	101.205	% Recov	09/09/03	75.000	125.000	
MSD	Boron	7440-42-8	268	107.631	% Recov	09/09/03	75.000	125.000	
MSD	Bismuth	7440-69-9	253	101.606	% Recov	09/09/03	75.000	125.000	
Lab ID: W030000723									
BATCH QC ASSOCIATED WITH SAMPLE									
MS	Boron	7440-42-8	266	106.827	% Recov	09/09/03	75.000	125.000	
MS	Bismuth	7440-69-9	252	101.205	% Recov	09/09/03	75.000	125.000	
MSD	Boron	7440-42-8	270	108.434	% Recov	09/09/03	75.000	125.000	
MSD	Bismuth	7440-69-9	253	101.606	% Recov	09/09/03	75.000	125.000	
SPK-RPD	Boron	7440-42-8	108.434	1.493	RPD	09/09/03	0.000	20.000	
SPK-RPD	Bismuth	7440-69-9	101.606	0.395	RPD	09/09/03	0.000	20.000	
BATCH QC									
BLANK	Boron	7440-42-8	6.6	0.065	ug/L	09/09/03	-10.000	10.000	
BLANK	Bismuth	7440-69-9	<0.1	n/a	ug/L	09/09/03	-1.000	0.068	U
LCS	Boron	7440-42-8	59.4	92.523	% Recov	09/09/03	80.000	120.000	
LCS	Bismuth	7440-69-9	301	60.442	% Recov	09/09/03	80.000	120.000	*

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20031112
Matrix: SOLID
Test: ICP Metals Analysis, Grd H20 P

SAF Number: F03-012
Sample Date:
Receive Date:

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20031112
Matrix: SOLID
Test: Alcohols, Glycols - 8015

SAF Number: F03-012
Sample Date: 08/13/03
Receive Date:08/13/03

Lab ID: W030000701

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	10800	86.400	%Recove	08/26/03	70.000	125.000	
MS	Diethyl ether	60-29-7	6000	96.000	%Recove	08/26/03	75.000	125.000	
MS	Ethylene glycol	107-21-1	7170	114.720	%Recove	08/26/03	75.000	125.000	
MS	Methanol	67-56-1	6600	105.600	%Recove	08/26/03	75.000	125.000	
MSD	2-Bromoethanol	540-51-2	11800	94.400	%Recove	08/26/03	70.000	125.000	
MSD	Diethyl ether	60-29-7	5820	93.120	%Recove	08/26/03	75.000	125.000	
MSD	Ethylene glycol	107-21-1	6050	96.800	%Recove	08/26/03	75.000	125.000	
MSD	Methanol	67-56-1	5710	91.360	%Recove	08/26/03	75.000	125.000	
SPK-RPD	2-Bromoethanol	540-51-2	94.400	8.850	RPD	08/26/03	0.000	20.000	
SPK-RPD	Diethyl ether	60-29-7	93.120	3.046	RPD	08/26/03	0.000	20.000	
SPK-RPD	Ethylene glycol	107-21-1	96.800	16.944	RPD	08/26/03	0.000	20.000	
SPK-RPD	Methanol	67-56-1	91.360	14.460	RPD	08/26/03	0.000	20.000	

BATCH QC

BLANK	2-Bromoethanol	540-51-2	12300	0.984	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	12000	96.000	%Recove	08/26/03	70.000	130.000	
LCS	Diethyl ether	60-29-7	7310	116.960	%Recove	08/26/03	70.000	130.000	
LCS	Ethylene glycol	107-21-1	6260	100.160	%Recove	08/26/03	70.000	130.000	
LCS	Methanol	67-56-1	7000	112.000	%Recove	08/26/03	70.000	130.000	

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20031112
Matrix: SOLID
Test: VOA Ground Water Protection

SAF Number: F03-012
Sample Date: 08/13/03
Receive Date:08/13/03

Lab ID: W030000701
BATCH QC ASSOCIATED WITH SAMPLE

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
MS	1,1-Dichloroethene	75-35-4	49.000	98.000	% Recov	08/25/03	63.000	117.000	
MS	Benzene	71-43-2	55.000	110.000	% Recov	08/25/03	75.000	129.000	
MS	4-Bromofluorobenzene	460-00-4	110.00	110.000	% Recov	08/25/03	84.000	116.000	
MS	Chlorobenzene	108-90-7	53.000	106.000	% Recov	08/25/03	79.000	119.000	
MS	1,2-Dichloroethane-d4	17060-07-0	100.00	100.000	% Recov	08/25/03	82.000	136.000	
MS	Toluene-d8	2037-26-5	110.00	110.000	% Recov	08/25/03	89.000	119.000	
MS	Toluene	108-88-3	55.000	110.000	% Recov	08/25/03	76.000	120.000	
MS	Trichloroethene	79-01-6	52.000	104.000	% Recov	08/25/03	73.000	123.000	
MSD	1,1-Dichloroethene	75-35-4	46.000	92.000	% Recov	08/25/03	63.000	117.000	
MSD	Benzene	71-43-2	53.000	106.000	% Recov	08/25/03	75.000	129.000	
MSD	4-Bromofluorobenzene	460-00-4	100.00	100.000	% Recov	08/25/03	84.000	116.000	
MSD	Chlorobenzene	108-90-7	52.000	104.000	% Recov	08/25/03	79.000	119.000	
MSD	1,2-Dichloroethane-d4	17060-07-0	100.00	100.000	% Recov	08/25/03	82.000	136.000	
MSD	Toluene-d8	2037-26-5	100.00	100.000	% Recov	08/25/03	89.000	119.000	
MSD	Toluene	108-88-3	52.000	104.000	% Recov	08/25/03	76.000	120.000	
MSD	Trichloroethene	79-01-6	50.000	100.000	% Recov	08/25/03	73.000	123.000	
SPK-RPD	1,1-Dichloroethene	75-35-4	92.000	6.316	RPD	08/25/03	0.000	25.000	
SPK-RPD	Benzene	71-43-2	106.000	3.704	RPD	08/25/03	0.000	25.000	
SPK-RPD	4-Bromofluorobenzene	460-00-4	100.000	9.524	RPD	08/25/03	0.000	25.000	
SPK-RPD	Chlorobenzene	108-90-7	104.000	1.905	RPD	08/25/03	0.000	25.000	
SPK-RPD	1,2-Dichloroethane-d4	17060-07-0	100.000	0.000	RPD	08/25/03	0.000	25.000	
SPK-RPD	Toluene-d8	2037-26-5	100.000	9.524	RPD	08/25/03	0.000	25.000	
SPK-RPD	Toluene	108-88-3	104.000	5.607	RPD	08/25/03	0.000	25.000	
SPK-RPD	Trichloroethene	79-01-6	100.000	3.922	RPD	08/25/03	0.000	25.000	
SURR	4-Bromofluorobenzene	460-00-4	100.00	100.000	% Recov	08/25/03	71.000	125.000	
SURR	1,2-Dichloroethane-d4	17060-07-0	100.00	100.000	% Recov	08/25/03	80.000	134.000	

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20031112
Matrix: SOLID
Test: VOA Ground Water Protection

SAF Number: F03-012
Sample Date: 08/13/03
Receive Date:08/13/03

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
SURR	Toluene-d8	2037-26-5	110.00	110.000	% Recov	08/25/03	80.000	126.000	

Lab ID: W030000704
BATCH QC ASSOCIATED WITH SAMPLE

SURR	4-Bromofluorobenzene	460-00-4	94.000	94.000	% Recov	08/25/03	71.000	125.000	
SURR	1,2-Dichloroethane-d4	17060-07-0	110.00	110.000	% Recov	08/25/03	80.000	134.000	
SURR	Toluene-d8	2037-26-5	100.00	100.000	% Recov	08/25/03	80.000	126.000	

Lab ID: W030000705
BATCH QC ASSOCIATED WITH SAMPLE

SURR	4-Bromofluorobenzene	460-00-4	100.00	100.000	% Recov	08/25/03	71.000	125.000	
SURR	1,2-Dichloroethane-d4	17060-07-0	100.00	100.000	% Recov	08/25/03	80.000	134.000	
SURR	Toluene-d8	2037-26-5	110.00	110.000	% Recov	08/25/03	80.000	126.000	

BATCH QC

BLANK	1,1-Dichloroethane	75-34-3	< 2.0	n/a	ug/Kg	08/25/03			U
BLANK	1,1,1-Trichloroethane	71-55-6	< 2.0	n/a	ug/Kg	08/25/03			U
BLANK	1,1,2-Trichloroethane	79-00-5	< 2.0	n/a	ug/Kg	08/25/03			U
BLANK	1,1,2,2-Tetrachloroethane	79-34-5	< 2.0	n/a	ug/Kg	08/25/03			U
BLANK	1,1-Dichloroethene	75-35-4	< 2.0	n/a	ug/Kg	08/25/03			U
BLANK	1,2-Dichloroethane	107-06-2	< 2.0	n/a	ug/Kg	08/25/03			U
BLANK	1,2-Dichloroethene(Total)	540-59-0	< 2.0	n/a	ug/Kg	08/25/03			U
BLANK	1-Butanol	71-36-3	< 40	n/a	ug/Kg	08/25/03			U
BLANK	2-Hexanone	591-78-6	< 2.0	n/a	ug/Kg	08/25/03			U
BLANK	2-Pentanone	107-87-9	< 2.0	n/a	ug/Kg	08/25/03			U
BLANK	4-Methyl-2-Pentanone	108-10-1	< 2.0	n/a	ug/Kg	08/25/03			U
BLANK	Acetone	67-64-1	31	31.000	ug/Kg	08/25/03			
BLANK	Bromodichloromethane	75-27-4	< 2.0	n/a	ug/Kg	08/25/03			U
BLANK	Benzene	71-43-2	< 2.0	n/a	ug/Kg	08/25/03			U
BLANK	4-Bromofluorobenzene	460-00-4	100.00	100.000	% Recov	08/25/03	71.000	125.000	

WSCF ANALYTICAL LABORATORY QC REPORT

2-63

SDG Number: WSCF20031112
Matrix: SOLID
Test: VOA Ground Water Protection

SAF Number: F03-012
Sample Date:
Receive Date:

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
BLANK	Bromoform	75-25-2	< 2.0	n/a	ug/Kg	08/25/03			U
BLANK	n-Butylbenzene	104-51-8	< 2.0	n/a	ug/Kg	08/25/03			U
BLANK	Carbon disulfide	75-15-0	< 2.0	n/a	ug/Kg	08/25/03			U
BLANK	Carbon tetrachloride	56-23-5	< 2.0	n/a	ug/Kg	08/25/03			U
BLANK	Dibromochloromethane	124-48-1	< 2.0	n/a	ug/Kg	08/25/03			U
BLANK	Chloroform	67-66-3	< 2.0	n/a	ug/Kg	08/25/03			U
BLANK	Chlorobenzene	108-90-7	< 2.0	n/a	ug/Kg	08/25/03			U
BLANK	cis-1,3-Dichloropropene	10061-01-5	< 2.0	n/a	ug/Kg	08/25/03			U
BLANK	Chloroethane	75-00-3	< 2.0	n/a	ug/Kg	08/25/03			U
BLANK	1,2-Dichloroethane-d4	17060-07-0	100.00	100.000	% Recov	08/25/03	80.000	134.000	
BLANK	1,2-Dichloropropane	78-87-5	< 2.0	n/a	ug/Kg	08/25/03			U
BLANK	Ethylbenzene	100-41-4	< 2.0	n/a	ug/Kg	08/25/03			U
BLANK	Bromomethane	74-83-9	< 2.0	n/a	ug/Kg	08/25/03			U
BLANK	Chloromethane	74-87-3	< 2.0	n/a	ug/Kg	08/25/03			U
BLANK	2-Butanone	78-93-3	< 2.0	n/a	ug/Kg	08/25/03			U
BLANK	Methylenechloride	75-09-2	< 2.0	n/a	ug/Kg	08/25/03			U
BLANK	Tetrachloroethene	127-18-4	< 2.0	n/a	ug/Kg	08/25/03			U
BLANK	Styrene	100-42-5	< 2.0	n/a	ug/Kg	08/25/03			U
BLANK	Xylenes (total)	1330-20-7	< 2.0	n/a	ug/Kg	08/25/03	0.000	300.000	U
BLANK	Toluene-d8	2037-26-5	100.00	100.000	% Recov	08/25/03	80.000	126.000	
BLANK	Toluene	108-88-3	< 2.0	n/a	ug/Kg	08/25/03			U
BLANK	trans-1,3-Dichloropropene	10061-02-6	< 2.0	n/a	ug/Kg	08/25/03			U
BLANK	Trichloroethene	79-01-6	< 2.0	n/a	ug/Kg	08/25/03			U
BLANK	Vinyl chloride	75-01-4	< 2.0	n/a	ug/Kg	08/25/03			U
LCS	1,1-Dichloroethene	75-35-4	22.000	88.000	% Recov	08/25/03	70.000	130.000	
LCS	Benzene	71-43-2	26.000	104.000	% Recov	08/25/03	70.000	130.000	
LCS	4-Bromofluorobenzene	460-00-4	53.000	106.000	% Recov	08/25/03	71.000	125.000	
LCS	Chlorobenzene	108-90-7	26.000	104.000	% Recov	08/25/03	70.000	130.000	
LCS	1,2-Dichloroethane-d4	17060-07-0	52.000	104.000	% Recov	08/25/03	80.000	134.000	
LCS	Toluene-d8	2037-26-5	51.000	102.000	% Recov	08/25/03	80.000	126.000	

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20031112
Matrix: SOLID
Test: VOA Ground Water Protection

SAF Number: F03-012
Sample Date:
Receive Date:

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
LCS	Toluene	108-88-3	26.000	104.000	% Recov	08/25/03	70.000	130.000	
LCS	Trichloroethene	79-01-6	25.000	100.000	% Recov	08/25/03	70.000	130.000	

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20031112
Matrix: SOLID
Test: NWTPH-GX TPH Gasoline Range

SAF Number: F03-012
Sample Date: 08/13/03
Receive Date:08/13/03

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
Lab ID: W030000701									
BATCH QC ASSOCIATED WITH SAMPLE									
DUP	Total Pet. Hydrocarbons Gas	TPHGASOLINE	4100	4.762	RPD	08/25/03	0.000	20.000	
MS	Total Pet. Hydrocarbons Gas	TPHGASOLINE	2240	113.131	% Recov	08/25/03	50.000	150.000	
MSD	Total Pet. Hydrocarbons Gas	TPHGASOLINE	1710	86.364	% Recov	08/25/03	50.000	150.000	
SPK-RPD	Total Pet. Hydrocarbons Gas	TPHGASOLINE	86.364	26.835	RPD	08/25/03	0.000	20.000	*
BATCH QC									
BLANK	Total Pet. Hydrocarbons Gas	TPHGASOLINE	<250	n/a	mg/L	08/25/03	0.000	300.000	U
LCS	Total Pet. Hydrocarbons Gas	TPHGASOLINE	3740	98.163	% Recov	08/25/03	85.000	115.000	

T4180-03-SLF-034

ATTACHMENT 3

SAMPLE RECEIPT INFORMATION

Consisting of 3 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

Ground Water Protection Program

Richland, WA 99352
Attn: Steve Trent

Customer Code: GPP
PO#: 117504/ES20
Group#: 20031112
Project#: F03-012
Proj Mgr: STEVE TRENT A0-21
Phone: 373-5869

The following samples were received from you on 08/13/03. 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
W030000705	B17C43	TRENT	Solid, or handle as if solid	08/13/03
		@2008 @8015GPP @AEA-30 @AEA-31 @AEA-32		
		@GEA-GPP @IC-30 @ICP-GPP @PCBGPP @SVOCGPP @TPHD		
		@TPHG-WA @VOA-GPP CN-02 NH4-IC PERSOLID PH-30		
W030000701	B17C41	TRENT	Solid, or handle as if solid	08/13/03
		@2008 @8015GPP @AEA-30 @AEA-31 @AEA-32		
		@GEA-GPP @IC-30 @ICP-GPP @PCBGPP @SVOCGPP @TPHD		
		@TPHG-WA @VOA-GPP CN-02 NH4-IC PERSOLID PH-30		
W030000704	B17C42	TRENT	Solid, or handle as if solid	08/13/03
		@2008 @8015GPP @AEA-30 @AEA-31 @AEA-32		
		@GEA-GPP @IC-30 @ICP-GPP @PCBGPP @SVOCGPP @TPHD		
		@TPHG-WA @VOA-GPP 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
@VOA-GPP	VOA Ground Water Protection
CN-02	Cyanide by Midi/Spectrophotom
NH4-IC	Ammonia (N) by IC
PERSOLID	Percent Solids
PH-30	pH Soil and Waste Measurement

MAN

FH-Central Plateau Project	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST		F03-012-005	Page 1 of 2
Collector Johansen/Pope/Pfister	Company Contact Steve Trent	Telephone No. 373-5869	Project Coordinator TRENT, SJ	Price Code 9N Air Quality ☐
Project Designation 200-PW-2/200-PW-4 OU - Other Solid	Sampling Location 200-PW-2/200-PW-4 Retention Basin		SAF No. F03-012	Data Turnaround 45 Days
Ice Chest No. SML-600	Field Logbook No. HNF-336-1	COA 117504ES10	Method of Shipment Government Vehicle	
Shipped To Waste Sampling & Characterization	Offsite Property No. N/A		Bill of Lading/Air Bill No. N/A	

POSSIBLE SAMPLE HAZARDS/REMARKS
N/A

Special Handling and/or Storage
N/A

20031112

Preservation	Cool 4C	Cool 4C	Cool 4C	None	None						
Type of Container	Gs*	aG	aG	P	P						
No. of Container(s)	2	1	2	1	1						
Volume	40mL	40mL	40mL	500mL	20mL						
SAMPLE ANALYSIS	See item (1) in Special Instructions.	See item (2) in Special Instructions.	See item (3) in Special Instructions.	See item (4) in Special Instructions.	Activity Scan						

Sample No.	Matrix *	Sample Date	Sample Time										
B17C41 W030000701	OTHER SOLID	8-13-03	0830	X	X	X	X						
B17C42 W030000704	OTHER SOLID	8-13-03	0930	X	X	X	X						
B17C43 W030000705	OTHER SOLID	8-13-03	1010	X	X	X	X						
~~B17C44~~ TMJ 8-13-03	~~OTHER SOLID~~												
~~B17C45~~ TMJ 8-13-03	~~OTHER SOLID~~												

CHAIN OF POSSESSION		Sign/Print Names	
Relinquished By/Removed From TMJ Johansen/[illegible]	Date/Time 8-13-03 1100	Received By/Stored In [illegible] Victor Bass	Date/Time 8-13-03 1100
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
N/A

(1) VOA - 8260A (TCL); VOA - 8260A (Add-On) {1-Butanol, 2-Pentanone, n-Butylbenzene}
(2) Semi-VOA - 8270A (TCL); Semi-VOA -- 8270A (Add-On) {2-Butoxyethanol, Benzyl alcohol, Tributyl phosphate}; TPH-Diesel Range - WTPH-D; TPH-Gasoline Range - WTPH-G; PCBs - 8082
(3) Alcohols, Glycols, & Ketones - 8015 {Diethyl ether, Ethylene glycol, Methanol}
(4) 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; ICP/MS - 200.8 (TAL) {Antimony, Barium, Cadmium, Chromium, Copper, Nickel, Silver}; ICP/MS - 200.8 (Add-on) {Arsenic, Beryllium, Lead, Mercury, Selenium, 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

ADD - MOTOR OIL TO WTPH-DIESEL AS PER CLIENT'S REQUEST (MAN/08-25-03)

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

EE-011 (03/01/2002)

3-2

Sims, Vic T

From: Ayres, Doris E
Sent: Thursday, August 14, 2003 9:10 AM
To: Neely, Michael; Trent, Stephen J
Cc: Dale, Troy F; Trechter, John E Jr.; Beebe, Kevin L; Sims, Vic T
Subject: RE: SDGs 20031112, 20031116, and 20031117 Sample Receipt Issues

See my comments below.

Doris

-----Original Message-----
From: Neely, Michael
Sent: Thursday, August 14, 2003 5:31 AM
To: Trent, Stephen J; Ayres, Doris E
Cc: Dale, Troy F; Trechter, John E Jr.; Beebe, Kevin L; Sims, Vic T
Subject: SDGs 20031112, 20031116, and 20031117 Sample Receipt Issues
Importance: High

Steve:

Three (3) of the five (5) GPP sample delivery groups (SDGs) that were received at WSCF yesterday (08-13-03) are depicted below:

1. SDG 20031112 - Samples B17C41, B17C42, B17C43 - Under SAF F03-012
2. SDG 20031116 - Sample B174B6 - Under SAF F03-007
3. SDG 20031117 - Sample B173V6 - Under SAF F03-006

There are several issues associated with these SDGs that will require resolution by GPP prior to WSCF proceeding with the analyses. The issues requiring GPP resolution are briefly summarized below.

1. SDG 20031112 - On the chain of custody (COC), GPP is requesting TPH-Diesel Range - WTPH-D. However, there are no "special instructions" on the COC requesting kerosene. Is GPP interested in WSCF reporting kerosene and diesel range compounds from the WTPH-D analyses? Please proceed and report kerosene and the diesel range compounds.
2. SDG 20031116 - On the COC, GPP is requesting benzyl alcohol as part of the VOA - 8260A Add-On list. However, benzyl alcohol is actually part of the WSCF Semi-VOA - 8270A Add-On list. There is insufficient sample [i.e., VOA protocol requires only three (3) 40-mL samples] to analyze for the benzyl alcohol using the Semi-VOA protocol, which would require at least a 1-L sample [assuming that no QC is required, and four (4) 1-L samples if full QC is required]. Therefore, does GPP want WSCF to remove benzyl alcohol from the list of requested analytes on the COC (i.e., no analyses for benzyl alcohol will be performed by WSCF)? Or, would GPP like to provide WSCF with the additional sample volume in order for WSCF to perform the Semi-VOA analyses for benzyl alcohol? Please remove benzyl alcohol from the list of requested analytes on the COC.
3. SDG 20031117 - On the COC, GPP is requesting ICP-MS 200.8 "Complete". WSCF assumes that GPP is not really requesting the "complete" WSCF library for ICP-MS method 200.8, and is only requesting the specific metals that are listed after the word "complete". Are these valid assumptions? Please report only the specific metals that are listed after the word "complete".

Thank you for your help with this. Your expeditious reply would be greatly appreciated.