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

0062036

FLUOR

Memorandum

W1141-SLF-04-119

To: S. J. Trent — Date: February 17, 2004

From: S. L. Fitzgerald, Manager, WSCF Analytical Services — Telephone: 373-7495

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

Subject: REVISED FINAL RESULTS FOR 200-LW-1/LW-2 CHARACTERIZATION - SOIL - SAMPLE DELIVERY GROUP WSCF20031680 - SAF NUMBER F03-025

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

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

The attachment is a revised QC report for Ammonia analysis for group WSCF20031680.

Slf/gf

Attachments 1

RECEIVED
JUL 07 2004
EDMC

FEB 2004
RECEIVED

W1141-SLF-04-116

ATTACHMENT 1

NARRATIVE

Consisting of 4 pages
Cover page not included

Sample Delivery Group	**WSCF20031680**
Sample Matrix	**Soil**
Sample Visual	**Brown**
SAF Number	**F03-025**
Data Deliverable	**Summary Report**

Introduction

Six (6) soil samples (B17RX1, B17RX5, B17RV4, B17RX9, B17RY2 and B17T01) from GPP were received at the WSCF Laboratory on December 18, 2003. The sample was 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 ICP-AES method, but a deviation to the ICP-MS did occur. See comments below.
- Semi-VOA's by EPA SW-846 Method 8270B. 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 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 methods.

- 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) 2-57 and 2-58 for QC details.

ICP-MS and ICP-AES Metals – The hold time(s) for ICP-AES was met, but not met for ICP-MS Mercury. 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) 2-68 through 2-71, and 2-80 for QC details. Analytical Note: The ICP-MS preparation Blank contains 0.7 ug/L Arsenic and -1.3ug/L copper. All LCS results are within manufacturer specifications therefore no flags issued. The ICP-AES Bismuth LCS recovery was low (61%), the MS/MSD was within limits, therefore no flags assigned.

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) 2-73 through 2-76 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) 2-60 through 2-67 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) 2-77 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) 2-55 and 2-56 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) 2-78 for details.

IC Anions – The client requested hold time(s) for this analysis was 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) 2-53 and 2-54 for QC details. Analytical Note: Multiple analytes (indicated by a "B" flag) were detected, but at concentrations less than that of the lowest calibration level. Duplicate for Sulfate failed, but result is less than 10X the MDL, therefore +/- 20 % RPD requirement does not apply.

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) 2-59 for QC details. Analytical Note: Samples B17RX1 and B17RY2 have potential sodium interference with Ammonia-N.

Percent Solids – PCB's, VOA's, Semi-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) 2-52 for QC details.

RadChem – There are no hold times associated with these WDOE accredited methods. A Laboratory Control Sample and Duplicate were analyzed with each delivery group per the GPP Letter of Instruction. See page(s) 2-72, 2-79, 2-81, 2-82 and 2-83 for QC details. Analytical Note: The Duplicate for U had high RPD's, but RPD is not applicable to low level samples. The initial Am results for B17RX1 and Duplicate had high concentration of Am-241 relative to the tracer, a rerun required utilizing a post-digest tracer. The Np LCS recovery is low at 66.6%. This is attributed to a slight excess of ascorbic acid which can occur in the LCS due to low iron levels and which causes retention of Np during separation. This effect did not occur with the samples as evidenced by the spike recoveries (A spike was added to the B17RX1, B17RX5, B17RV4, B17RX9, B17RY2 and B17T01MS and B17RX1MSD with recoveries of 109.5%, 96.8%, 96.9%, 102.5%, 94.4%, 102.5% and 90.9% respectively, limits for the spike are 75-125%.). All other QC was acceptable (the Np Duplicate RPD is high, but sample activity is below detection level) therefore no flags will be issued for Np. See page(s) 3-9, 3-10, and 3-11 for more detailed information on the Np issue.

Radiochemical Tracer Percent Recovery					
Sample Number	**Isotope**	**Blank**	**LCS**	**Sample**	**Duplicate**
B17RX1	U	82.70%	82.67%	72.17%	88.15%
	Pu	46.24%	31.39%	72.23%	83.16%
	Am	89.43%	85.38%	92.92%	80.00%
B17RX5	U	82.70%	82.67%	69.87%	N/A
	Pu	46.24%	31.39%	64.55%	N/A
	Am	85.55%	82.90%	71.34%	N/A
B17RV4	U	82.70%	82.67%	76.73%	N/A
	Pu	46.24%	31.39%	83.74%	N/A
	Am	85.55%	82.90%	74.12%	N/A
B17RX9	U	82.70%	82.67%	78.21%	N/A
	Pu	46.24%	31.39%	69.98%	N/A
	Am	85.55%	82.90%	84.91%	N/A
B17RY2	U	82.70%	82.67%	75.95%	N/A
	Pu	46.24%	31.39%	76.41%	N/A
	Am	85.55%	82.90%	72.20%	N/A
B17T01	U	82.70%	82.67%	76.15%	N/A
	Pu	46.24%	31.39%	70.56%	N/A
	Am	85.55%	82.90%	83.68%	N/A

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

Troy Dale
WSCF Production Control

Abbreviations

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

W1141-SLF-04-116

ATTACHMENT 2

ANALYTICAL RESULTS

Consisting of 83 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#: FH-EIS-2003-MEM-001
Report#: WSCF20031680
Report Date: 4-feb-2004
Report WGPP/ver. 1
Ground Water Protection Program

WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent
Project: F03-025: F03-025

Group #: WSCF20031680

Sample #	Client ID		CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
Organic														
W030001203	B17RX1	GPP	107-21-1	Ethylene glycol	SOIL	Organics	U	< 5.00e+03	ug/kg	1.00	5.0e+03	12/30/03	12/17/03	12/18/03
W030001203	B17RX1	GPP	TPHGASOLINE	Total Pet. Hydrocarbons Gas	SOIL	NWTPH	U	< 250	ug/kg	1.00	2.5e+02	12/30/03	12/17/03	12/18/03
W030001203	B17RX1	GPP	12674-11-2	Aroclor-1016	SOIL	LA-523-427	U	< 58.0	ug/kg	1.00	58	01/05/04	12/17/03	12/18/03
W030001203	B17RX1	GPP	11104-28-2	Aroclor-1221	SOIL	LA-523-427	U	< 120	ug/kg	1.00	1.2e+02	01/05/04	12/17/03	12/18/03
W030001203	B17RX1	GPP	11141-16-5	Aroclor-1232	SOIL	LA-523-427	U	< 58.0	ug/kg	1.00	58	01/05/04	12/17/03	12/18/03
W030001203	B17RX1	GPP	53469-21-9	Aroclor-1242	SOIL	LA-523-427	U	< 58.0	ug/kg	1.00	58	01/05/04	12/17/03	12/18/03
W030001203	B17RX1	GPP	12672-29-6	Aroclor-1248	SOIL	LA-523-427	U	< 58.0	ug/kg	1.00	58	01/05/04	12/17/03	12/18/03
W030001203	B17RX1	GPP	11097-69-1	Aroclor-1254	SOIL	LA-523-427	U	< 58.0	ug/kg	1.00	58	01/05/04	12/17/03	12/18/03
W030001203	B17RX1	GPP	11096-82-5	Aroclor-1260	SOIL	LA-523-427	U	< 58.0	ug/kg	1.00	58	01/05/04	12/17/03	12/18/03
W030001203	B17RX1	GPP	37324-23-5	Aroclor-1262	SOIL	LA-523-427	U	< 58.0	ug/kg	1.00	58	01/05/04	12/17/03	12/18/03
W030001203	B17RX1	GPP	11100-14-4	Aroclor-1268	SOIL	LA-523-427	U	< 58.0	ug/kg	1.00	58	01/05/04	12/17/03	12/18/03
W030001203	B17RX1	GPP	100-02-7	4-Nitrophenol	SOIL	LA-523-456	U	< 750	ug/kg	1.00	7.5e+02	01/05/04	12/17/03	12/18/03
W030001203	B17RX1	GPP	106-46-7	1,4-Dichlorobenzene	SOIL	LA-523-456	U	< 360	ug/kg	1.00	3.6e+02	01/05/04	12/17/03	12/18/03
W030001203	B17RX1	GPP	108-95-2	Phenol	SOIL	LA-523-456	U	< 120	ug/kg	1.00	1.2e+02	01/05/04	12/17/03	12/18/03
W030001203	B17RX1	GPP	120-82-1	1,2,4-Trichlorobenzene	SOIL	LA-523-456	U	< 340	ug/kg	1.00	3.4e+02	01/05/04	12/17/03	12/18/03
W030001203	B17RX1	GPP	121-14-2	2,4-Dinitrotoluene	SOIL	LA-523-456	U	< 77.0	ug/kg	1.00	77	01/05/04	12/17/03	12/18/03
W030001203	B17RX1	GPP	129-00-0	Pyrene	SOIL	LA-523-456	U	< 77.0	ug/kg	1.00	77	01/05/04	12/17/03	12/18/03
W030001203	B17RX1	GPP	59-50-7	4-Chloro-3-methylphenol	SOIL	LA-523-456	U	< 77.0	ug/kg	1.00	77	01/05/04	12/17/03	12/18/03
W030001203	B17RX1	GPP	621-64-7	N-Nitrosodi-n-dipropylamine	SOIL	LA-523-456	U	< 77.0	ug/kg	1.00	77	01/05/04	12/17/03	12/18/03
W030001203	B17RX1	GPP	83-32-9	Acenaphthene	SOIL	LA-523-456	U	< 77.0	ug/kg	1.00	77	01/05/04	12/17/03	12/18/03
W030001203	B17RX1	GPP	87-86-5	Pentachlorophenol	SOIL	LA-523-456	U	< 350	ug/kg	1.00	3.5e+02	01/05/04	12/17/03	12/18/03
W030001203	B17RX1	GPP	95-57-8	2-Chlorophenol	SOIL	LA-523-456	U	< 170	ug/kg	1.00	1.7e+02	01/05/04	12/17/03	12/18/03
W030001203	B17RX1	GPP	100-01-6	4-Nitroaniline	SOIL	LA-523-456	U	< 280	ug/kg	1.00	2.8e+02	01/05/04	12/17/03	12/18/03
W030001203	B17RX1	GPP	101-55-3	4-Bromophenylphenyl ether	SOIL	LA-523-456	U	< 77.0	ug/kg	1.00	77	01/05/04	12/17/03	12/18/03
W030001203	B17RX1	GPP	105-67-9	2,4-Dimethylphenol	SOIL	LA-523-456	U	< 77.0	ug/kg	1.00	77	01/05/04	12/17/03	12/18/03
W030001203	B17RX1	GPP	106-47-8	4-Chloroaniline	SOIL	LA-523-456	U	< 110	ug/kg	1.00	1.1e+02	01/05/04	12/17/03	12/18/03

MDL=Minimum Detection Limit
RQ=Result Qualifier

B - The Analyte detected in both the BLANK and the SAMPLE (org.)
C - The Analyte was in the Sample and Blank, Sample < = 5 x Blank
J - Analyte is an estimate, has potentially larger errors
B - The analyte < the RDL but > = the IDL/MDL (inorganic)
E - Analyte is an estimate, has potentially larger errors
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: F03-025: F03-025

Group #: WSCF20031680

Sample #	Client ID		CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W030001203	B17RX1	GPP	108-60-1	Bis(2-chloro-1-methylethyl)eth	SOIL	LA-523-456	U	< 290	ug/kg	1.00	2.9e+02	01/05/04	12/17/03	12/18/03
W030001203	B17RX1	GPP	111-44-4	Bis(2-chloroethyl) ether	SOIL	LA-523-456	U	< 280	ug/kg	1.00	2.8e+02	01/05/04	12/17/03	12/18/03
W030001203	B17RX1	GPP	111-91-1	Bis(2-Chloroethoxy)methane	SOIL	LA-523-456	U	< 130	ug/kg	1.00	1.3e+02	01/05/04	12/17/03	12/18/03
W030001203	B17RX1	GPP	117-81-7	Bis(2-ethylhexyl) phthalate	SOIL	LA-523-456	U	< 650	ug/kg	1.00	6.5e+02	01/05/04	12/17/03	12/18/03
W030001203	B17RX1	GPP	117-84-0	Di-n-octylphthalate	SOIL	LA-523-456	U	< 77.0	ug/kg	1.00	77	01/05/04	12/17/03	12/18/03
W030001203	B17RX1	GPP	118-74-1	Hexachlorobenzene	SOIL	LA-523-456	U	< 77.0	ug/kg	1.00	77	01/05/04	12/17/03	12/18/03
W030001203	B17RX1	GPP	120-12-7	Anthracene	SOIL	LA-523-456	U	< 77.0	ug/kg	1.00	77	01/05/04	12/17/03	12/18/03
W030001203	B17RX1	GPP	120-83-2	2,4-Dichlorophenol	SOIL	LA-523-456	U	< 92.0	ug/kg	1.00	92	01/05/04	12/17/03	12/18/03
W030001203	B17RX1	GPP	131-11-3	Dimethyl phthalate	SOIL	LA-523-456	U	< 77.0	ug/kg	1.00	77	01/05/04	12/17/03	12/18/03
W030001203	B17RX1	GPP	132-64-9	Dibenzofuran	SOIL	LA-523-456	U	< 77.0	ug/kg	1.00	77	01/05/04	12/17/03	12/18/03
W030001203	B17RX1	GPP	191-24-2	Benzo(ghi)perylene	SOIL	LA-523-456	U	< 77.0	ug/kg	1.00	77	01/05/04	12/17/03	12/18/03
W030001203	B17RX1	GPP	193-39-5	Indeno(1,2,3-cd)pyrene	SOIL	LA-523-456	U	< 77.0	ug/kg	1.00	77	01/05/04	12/17/03	12/18/03
W030001203	B17RX1	GPP	205-99-2	Benzo(b)fluoranthene	SOIL	LA-523-456	U	< 77.0	ug/kg	1.00	77	01/05/04	12/17/03	12/18/03
W030001203	B17RX1	GPP	206-44-0	Fluoranthene	SOIL	LA-523-456	U	< 77.0	ug/kg	1.00	77	01/05/04	12/17/03	12/18/03
W030001203	B17RX1	GPP	207-08-9	Benzo(k)fluoranthene	SOIL	LA-523-456	U	< 77.0	ug/kg	1.00	77	01/05/04	12/17/03	12/18/03
W030001203	B17RX1	GPP	208-96-8	Acenaphthylene	SOIL	LA-523-456	U	< 92.0	ug/kg	1.00	92	01/05/04	12/17/03	12/18/03
W030001203	B17RX1	GPP	218-01-9	Chrysene	SOIL	LA-523-456	U	< 77.0	ug/kg	1.00	77	01/05/04	12/17/03	12/18/03
W030001203	B17RX1	GPP	50-32-8	Benzo(a)pyrene	SOIL	LA-523-456	U	< 77.0	ug/kg	1.00	77	01/05/04	12/17/03	12/18/03
W030001203	B17RX1	GPP	51-28-5	2,4-Dinitrophenol	SOIL	LA-523-456	U	< 770	ug/kg	1.00	7.7e+02	01/05/04	12/17/03	12/18/03
W030001203	B17RX1	GPP	53-70-3	Dibenz[a,h]anthracene	SOIL	LA-523-456	U	< 77.0	ug/kg	1.00	77	01/05/04	12/17/03	12/18/03
W030001203	B17RX1	GPP	534-52-1	4,6-Dinitro-2-methylphenol	SOIL	LA-523-456	U	< 770	ug/kg	1.00	7.7e+02	01/05/04	12/17/03	12/18/03
W030001203	B17RX1	GPP	541-73-1	1,3-Dichlorobenzene	SOIL	LA-523-456	U	< 370	ug/kg	1.00	3.7e+02	01/05/04	12/17/03	12/18/03
W030001203	B17RX1	GPP	56-55-3	Benzo(a)anthracene	SOIL	LA-523-456	U	< 77.0	ug/kg	1.00	77	01/05/04	12/17/03	12/18/03
W030001203	B17RX1	GPP	606-20-2	2,6-Dinitrotoluene	SOIL	LA-523-456	U	< 77.0	ug/kg	1.00	77	01/05/04	12/17/03	12/18/03
W030001203	B17RX1	GPP	7005-72-3	4-Chlorophenylphenyl ether	SOIL	LA-523-456	U	< 77.0	ug/kg	1.00	77	01/05/04	12/17/03	12/18/03
W030001203	B17RX1	GPP	77-47-4	Hexachlorocyclopentadiene	SOIL	LA-523-456	U	< 360	ug/kg	1.00	3.6e+02	01/05/04	12/17/03	12/18/03
W030001203	B17RX1	GPP	78-59-1	Isophorone	SOIL	LA-523-456	U	< 77.0	ug/kg	1.00	77	01/05/04	12/17/03	12/18/03

MDL=Minimum Detection Limit
RQ=Result Qualifier

B - The Analyte detected in both the BLANK and the SAMPLE (org.)
C - The Analyte was in the Sample and Blank, Sample < = 5 x Blank
J - Analyte is an estimate, has potentially larger errors
B - The analyte < the RDL but > = the IDL/MDL (inorganic)
E - Analyte is an estimate, has potentially larger errors
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: F03-025: F03-025

Group #: WSCF20031680

Sample #	Client ID		CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W030001203	B17RX1	GPP	84-66-2	Diethylphthalate	SOIL	LA-523-456	U	< 220	ug/kg	1.00	2.2e+02	01/05/04	12/17/03	12/18/03
W030001203	B17RX1	GPP	84-74-2	Di-n-butylphthalate	SOIL	LA-523-456	U	< 100	ug/kg	1.00	1.0e+02	01/05/04	12/17/03	12/18/03
W030001203	B17RX1	GPP	85-01-8	Phenanthrene	SOIL	LA-523-456	U	< 77.0	ug/kg	1.00	77	01/05/04	12/17/03	12/18/03
W030001203	B17RX1	GPP	85-68-7	Butylbenzylphthalate	SOIL	LA-523-456	U	< 77.0	ug/kg	1.00	77	01/05/04	12/17/03	12/18/03
W030001203	B17RX1	GPP	86-30-6	N-Nitrosodiphenylamine	SOIL	LA-523-456	U	< 77.0	ug/kg	1.00	77	01/05/04	12/17/03	12/18/03
W030001203	B17RX1	GPP	86-73-7	Fluorene	SOIL	LA-523-456	U	< 77.0	ug/kg	1.00	77	01/05/04	12/17/03	12/18/03
W030001203	B17RX1	GPP	86-74-8	Carbazole	SOIL	LA-523-456	U	< 92.0	ug/kg	1.00	92	01/05/04	12/17/03	12/18/03
W030001203	B17RX1	GPP	87-68-3	Hexachlorobutadiene	SOIL	LA-523-456	U	< 420	ug/kg	1.00	4.2e+02	01/05/04	12/17/03	12/18/03
W030001203	B17RX1	GPP	88-74-4	2-Nitroaniline	SOIL	LA-523-456	U	< 77.0	ug/kg	1.00	77	01/05/04	12/17/03	12/18/03
W030001203	B17RX1	GPP	88-75-5	2-Nitrophenol	SOIL	LA-523-456	U	< 200	ug/kg	1.00	2.0e+02	01/05/04	12/17/03	12/18/03
W030001203	B17RX1	GPP	91-20-3	Naphthalene	SOIL	LA-523-456	U	< 330	ug/kg	1.00	3.3e+02	01/05/04	12/17/03	12/18/03
W030001203	B17RX1	GPP	91-57-6	2-Methylnaphthalene	SOIL	LA-523-456	U	< 210	ug/kg	1.00	2.1e+02	01/05/04	12/17/03	12/18/03
W030001203	B17RX1	GPP	91-58-7	2-Chloronaphthalene	SOIL	LA-523-456	U	< 77.0	ug/kg	1.00	77	01/05/04	12/17/03	12/18/03
W030001203	B17RX1	GPP	91-94-1	3,3'-Dichlorobenzidine	SOIL	LA-523-456	U	< 92.0	ug/kg	1.00	92	01/05/04	12/17/03	12/18/03
W030001203	B17RX1	GPP	95-48-7	2-Methylphenol (cresol, o-)	SOIL	LA-523-456	U	< 77.0	ug/kg	1.00	77	01/05/04	12/17/03	12/18/03
W030001203	B17RX1	GPP	95-50-1	1,2-Dichlorobenzene	SOIL	LA-523-456	U	< 420	ug/kg	1.00	4.2e+02	01/05/04	12/17/03	12/18/03
W030001203	B17RX1	GPP	95-95-4	2,4,5-Trichlorophenol	SOIL	LA-523-456	U	< 85.0	ug/kg	1.00	85	01/05/04	12/17/03	12/18/03
W030001203	B17RX1	GPP	98-95-3	Nitrobenzene	SOIL	LA-523-456	U	< 300	ug/kg	1.00	3.0e+02	01/05/04	12/17/03	12/18/03
W030001203	B17RX1	GPP	99-09-2	3-Nitroaniline	SOIL	LA-523-456	U	< 77.0	ug/kg	1.00	77	01/05/04	12/17/03	12/18/03
W030001203	B17RX1	GPP	65794-96-9	3 & 4 Methylphenol Total	SOIL	LA-523-456	U	< 130	ug/kg	1.00	1.3e+02	01/05/04	12/17/03	12/18/03
W030001203	B17RX1	GPP	67-72-1	Hexachloroethane	SOIL	LA-523-456	U	< 540	ug/kg	1.00	5.4e+02	01/05/04	12/17/03	12/18/03
W030001203	B17RX1	GPP	88-06-2	2,4,6-Trichlorophenol	SOIL	LA-523-456	U	< 77.0	ug/kg	1.00	77	01/05/04	12/17/03	12/18/03
W030001203	B17RX1	GPP	126-73-8	Tributyl phosphate	SOIL	LA-523-456	U	< 77.0	ug/kg	1.00	77	01/05/04	12/17/03	12/18/03
W030001203	B17RX1	GPP	75-35-4	1,1-Dichloroethene	SOIL	LA-523-455	U	< 2.30	ug/kg	1.00	2.3	12/29/03	12/17/03	12/18/03
W030001203	B17RX1	GPP	79-01-6	Trichloroethene	SOIL	LA-523-455	U	< 2.30	ug/kg	1.00	2.3	12/29/03	12/17/03	12/18/03
W030001203	B17RX1	GPP	71-43-2	Benzene	SOIL	LA-523-455	U	< 2.30	ug/kg	1.00	2.3	12/29/03	12/17/03	12/18/03
W030001203	B17RX1	GPP	108-88-3	Toluene	SOIL	LA-523-455	U	< 2.30	ug/kg	1.00	2.3	12/29/03	12/17/03	12/18/03

MDL=Minimum Detection Limit
RQ=Result Qualifier

B - The Analyte detected in both the BLANK and the SAMPLE (org.)
C - The Analyte was in the Sample and Blank, Sample < = 5 x Blank
J - Analyte is an estimate, has potentially larger errors
B - The analyte < the RDL but > = the IDL/MDL (inorganic)
E - Analyte is an estimate, has potentially larger errors
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: F03-025; F03-025

Group #: WSCF20031680

Sample #	Client ID		CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W030001203	B17RX1	GPP	108-90-7	Chlorobenzene	SOIL	LA-523-455	U	< 2.30	ug/kg	1.00	2.3	12/29/03	12/17/03	12/18/03
W030001203	B17RX1	GPP	75-34-3	1,1-Dichloroethane	SOIL	LA-523-455	U	< 2.30	ug/kg	1.00	2.3	12/29/03	12/17/03	12/18/03
W030001203	B17RX1	GPP	100-41-4	Ethylbenzene	SOIL	LA-523-455	U	< 2.30	ug/kg	1.00	2.3	12/29/03	12/17/03	12/18/03
W030001203	B17RX1	GPP	100-42-5	Styrene	SOIL	LA-523-455	U	< 2.30	ug/kg	1.00	2.3	12/29/03	12/17/03	12/18/03
W030001203	B17RX1	GPP	10061-01-5	cis-1,3-Dichloropropene	SOIL	LA-523-455	U	< 2.30	ug/kg	1.00	2.3	12/29/03	12/17/03	12/18/03
W030001203	B17RX1	GPP	10061-02-6	trans-1,3-Dichloropropene	SOIL	LA-523-455	U	< 2.30	ug/kg	1.00	2.3	12/29/03	12/17/03	12/18/03
W030001203	B17RX1	GPP	107-06-2	1,2-Dichloroethane	SOIL	LA-523-455	U	< 2.30	ug/kg	1.00	2.3	12/29/03	12/17/03	12/18/03
W030001203	B17RX1	GPP	108-10-1	4-Methyl-2-Pentanone	SOIL	LA-523-455	U	< 2.30	ug/kg	1.00	2.3	12/29/03	12/17/03	12/18/03
W030001203	B17RX1	GPP	124-48-1	Dibromochloromethane	SOIL	LA-523-455	U	< 2.30	ug/kg	1.00	2.3	12/29/03	12/17/03	12/18/03
W030001203	B17RX1	GPP	127-18-4	Tetrachloroethene	SOIL	LA-523-455	U	< 2.30	ug/kg	1.00	2.3	12/29/03	12/17/03	12/18/03
W030001203	B17RX1	GPP	1330-20-7	Xylenes (total)	SOIL	LA-523-455	U	< 2.30	ug/kg	1.00	2.3	12/29/03	12/17/03	12/18/03
W030001203	B17RX1	GPP	540-59-0	1,2-Dichloroethene(Total)	SOIL	LA-523-455	U	< 2.30	ug/kg	1.00	2.3	12/29/03	12/17/03	12/18/03
W030001203	B17RX1	GPP	56-23-5	Carbon tetrachloride	SOIL	LA-523-455	U	< 2.30	ug/kg	1.00	2.3	12/29/03	12/17/03	12/18/03
W030001203	B17RX1	GPP	591-78-6	2-Hexanone	SOIL	LA-523-455	U	< 2.30	ug/kg	1.00	2.3	12/29/03	12/17/03	12/18/03
W030001203	B17RX1	GPP	67-64-1	Acetone	SOIL	LA-523-455		52.0	ug/kg	1.00	4.6	12/29/03	12/17/03	12/18/03
W030001203	B17RX1	GPP	67-66-3	Chloroform	SOIL	LA-523-455	U	< 2.30	ug/kg	1.00	2.3	12/29/03	12/17/03	12/18/03
W030001203	B17RX1	GPP	71-55-6	1,1,1-Trichloroethane	SOIL	LA-523-455	U	< 2.30	ug/kg	1.00	2.3	12/29/03	12/17/03	12/18/03
W030001203	B17RX1	GPP	74-83-9	Bromomethane	SOIL	LA-523-455	U	< 2.30	ug/kg	1.00	2.3	12/29/03	12/17/03	12/18/03
W030001203	B17RX1	GPP	74-87-3	Chloromethane	SOIL	LA-523-455	U	< 2.30	ug/kg	1.00	2.3	12/29/03	12/17/03	12/18/03
W030001203	B17RX1	GPP	75-00-3	Chloroethane	SOIL	LA-523-455	U	< 2.30	ug/kg	1.00	2.3	12/29/03	12/17/03	12/18/03
W030001203	B17RX1	GPP	75-01-4	Vinyl chloride	SOIL	LA-523-455	U	< 2.30	ug/kg	1.00	2.3	12/29/03	12/17/03	12/18/03
W030001203	B17RX1	GPP	75-09-2	Methylenechloride	SOIL	LA-523-455	U	< 2.30	ug/kg	1.00	2.3	12/29/03	12/17/03	12/18/03
W030001203	B17RX1	GPP	75-15-0	Carbon disulfide	SOIL	LA-523-455	U	< 2.30	ug/kg	1.00	2.3	12/29/03	12/17/03	12/18/03
W030001203	B17RX1	GPP	75-25-2	Bromoform	SOIL	LA-523-455	U	< 2.30	ug/kg	1.00	2.3	12/29/03	12/17/03	12/18/03
W030001203	B17RX1	GPP	75-27-4	Bromodichloromethane	SOIL	LA-523-455	U	< 2.30	ug/kg	1.00	2.3	12/29/03	12/17/03	12/18/03
W030001203	B17RX1	GPP	78-87-5	1,2-Dichloropropane	SOIL	LA-523-455	U	< 2.30	ug/kg	1.00	2.3	12/29/03	12/17/03	12/18/03
W030001203	B17RX1	GPP	78-93-3	2-Butanone	SOIL	LA-523-455	U	< 2.30	ug/kg	1.00	2.3	12/29/03	12/17/03	12/18/03

MDL=Minimum Detection Limit
RQ=Result Qualifier

B - The Analyte detected in both the BLANK and the SAMPLE (org.)
C - The Analyte was in the Sample and Blank, Sample < = 5 x Blank
J - Analyte is an estimate, has potentially larger errors
B - The analyte < the RDL but > = the IDL/MDL (inorganic)
E - Analyte is an estimate, has potentially larger errors
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: F03-025: F03-025

Group #: WSCF20031680

Sample #	Client ID		CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W030001203	B17RX1	GPP	79-00-5	1,1,2-Trichloroethane	SOIL	LA-523-455	U	< 2.30	ug/kg	1.00	2.3	12/29/03	12/17/03	12/18/03
W030001203	B17RX1	GPP	79-34-5	1,1,2,2-Tetrachloroethane	SOIL	LA-523-455	U	< 2.30	ug/kg	1.00	2.3	12/29/03	12/17/03	12/18/03
W030001203	B17RX1	GPP	71-36-3	1-Butanol	SOIL	LA-523-455	U	< 23.0	ug/kg	1.00	23	12/29/03	12/17/03	12/18/03
W030001203	B17RX1	GPP	156-60-5	trans-1,2-Dichloroethylene	SOIL	LA-523-455	U	< 2.30	ug/kg	1.00	2.3	12/29/03	12/17/03	12/18/03
W030001203	B17RX1	GPP	156-59-2	cis-1,2-Dichloroethylene	SOIL	LA-523-455	U	< 2.30	ug/kg	1.00	2.3	12/29/03	12/17/03	12/18/03
W030001203	B17RX1	GPP	TPHDIESEL	Total Pet. Hydrocarbons Diesel	SOIL	NWTPH	U	< 4.30e+03	ug/kg	1.00	4.3e+03	12/30/03	12/17/03	12/18/03
W030001203	B17RX1	GPP	TPHKEROSENE	Kerosene	SOIL	NWTPH	U	< 4.30e+03	ug/kg	1.00	4.3e+03	12/30/03	12/17/03	12/18/03
W030001204	B17RX5	GPP	107-21-1	Ethylene glycol	SOIL	Organics	U	< 5.00e+03	ug/kg	1.00	5.0e+03	12/30/03	12/17/03	12/18/03
W030001204	B17RX5	GPP	TPHGASOLINE	Total Pet. Hydrocarbons Gas	SOIL	NWTPH	U	< 250	ug/kg	1.00	2.5e+02	12/30/03	12/17/03	12/18/03
W030001204	B17RX5	GPP	12674-11-2	Aroclor-1016	SOIL	LA-523-427	U	< 50.0	ug/kg	1.00	50	01/05/04	12/17/03	12/18/03
W030001204	B17RX5	GPP	11104-28-2	Aroclor-1221	SOIL	LA-523-427	U	< 100	ug/kg	1.00	1.0e+02	01/05/04	12/17/03	12/18/03
W030001204	B17RX5	GPP	11141-16-5	Aroclor-1232	SOIL	LA-523-427	U	< 50.0	ug/kg	1.00	50	01/05/04	12/17/03	12/18/03
W030001204	B17RX5	GPP	53469-21-9	Aroclor-1242	SOIL	LA-523-427	U	< 50.0	ug/kg	1.00	50	01/05/04	12/17/03	12/18/03
W030001204	B17RX5	GPP	12672-29-6	Aroclor-1248	SOIL	LA-523-427	U	< 50.0	ug/kg	1.00	50	01/05/04	12/17/03	12/18/03
W030001204	B17RX5	GPP	11097-69-1	Aroclor-1254	SOIL	LA-523-427	U	< 50.0	ug/kg	1.00	50	01/05/04	12/17/03	12/18/03
W030001204	B17RX5	GPP	11096-82-5	Aroclor-1260	SOIL	LA-523-427	U	< 50.0	ug/kg	1.00	50	01/05/04	12/17/03	12/18/03
W030001204	B17RX5	GPP	37324-23-5	Aroclor-1262	SOIL	LA-523-427	U	< 50.0	ug/kg	1.00	50	01/05/04	12/17/03	12/18/03
W030001204	B17RX5	GPP	11100-14-4	Aroclor-1268	SOIL	LA-523-427	U	< 50.0	ug/kg	1.00	50	01/05/04	12/17/03	12/18/03
W030001204	B17RX5	GPP	100-02-7	4-Nitrophenol	SOIL	LA-523-456	U	< 670	ug/kg	1.00	6.7e+02	01/05/04	12/17/03	12/18/03
W030001204	B17RX5	GPP	106-46-7	1,4-Dichlorobenzene	SOIL	LA-523-456	U	< 320	ug/kg	1.00	3.2e+02	01/05/04	12/17/03	12/18/03
W030001204	B17RX5	GPP	108-95-2	Phenol	SOIL	LA-523-456	U	< 100	ug/kg	1.00	1.0e+02	01/05/04	12/17/03	12/18/03
W030001204	B17RX5	GPP	120-82-1	1,2,4-Trichlorobenzene	SOIL	LA-523-456	U	< 300	ug/kg	1.00	3.0e+02	01/05/04	12/17/03	12/18/03
W030001204	B17RX5	GPP	121-14-2	2,4-Dinitrotoluene	SOIL	LA-523-456	U	< 69.0	ug/kg	1.00	69	01/05/04	12/17/03	12/18/03
W030001204	B17RX5	GPP	129-00-0	Pyrene	SOIL	LA-523-456	U	< 69.0	ug/kg	1.00	69	01/05/04	12/17/03	12/18/03
W030001204	B17RX5	GPP	59-50-7	4-Chloro-3-methylphenol	SOIL	LA-523-456	U	< 69.0	ug/kg	1.00	69	01/05/04	12/17/03	12/18/03
W030001204	B17RX5	GPP	621-64-7	N-Nitrosodi-n-dipropylamine	SOIL	LA-523-456	U	< 69.0	ug/kg	1.00	69	01/05/04	12/17/03	12/18/03
W030001204	B17RX5	GPP	83-32-9	Acenaphthene	SOIL	LA-523-456	U	< 69.0	ug/kg	1.00	69	01/05/04	12/17/03	12/18/03

MDL=Minimum Detection Limit
RQ=Result Qualifier

B - The Analyte detected in both the BLANK and the SAMPLE (org.)
C - The Analyte was in the Sample and Blank, Sample < = 5 x Blank
J - Analyte is an estimate, has potentially larger errors
B - The analyte < the RDL but > = the IDL/MDL (inorganic)
E - Analyte is an estimate, has potentially larger errors
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: F03-025: F03-025

Group #: WSCF20031680

Sample #	Client ID		CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W030001204	B17RX5	GPP	87-86-5	Pentachlorophenol	SOIL	LA-523-456	U	< 310	ug/kg	1.00	3.1e+02	01/05/04	12/17/03	12/18/03
W030001204	B17RX5	GPP	95-57-8	2-Chlorophenol	SOIL	LA-523-456	U	< 150	ug/kg	1.00	1.5e+02	01/05/04	12/17/03	12/18/03
W030001204	B17RX5	GPP	100-01-6	4-Nitroaniline	SOIL	LA-523-456	U	< 250	ug/kg	1.00	2.5e+02	01/05/04	12/17/03	12/18/03
W030001204	B17RX5	GPP	101-55-3	4-Bromophenylphenyl ether	SOIL	LA-523-456	U	< 69.0	ug/kg	1.00	69	01/05/04	12/17/03	12/18/03
W030001204	B17RX5	GPP	105-67-9	2,4-Dimethylphenol	SOIL	LA-523-456	U	< 69.0	ug/kg	1.00	69	01/05/04	12/17/03	12/18/03
W030001204	B17RX5	GPP	106-47-8	4-Chloroaniline	SOIL	LA-523-456	U	< 96.0	ug/kg	1.00	96	01/05/04	12/17/03	12/18/03
W030001204	B17RX5	GPP	108-60-1	Bis(2-chloro-1-methylethyl)eth	SOIL	LA-523-456	U	< 260	ug/kg	1.00	2.6e+02	01/05/04	12/17/03	12/18/03
W030001204	B17RX5	GPP	111-44-4	Bis(2-chloroethyl) ether	SOIL	LA-523-456	U	< 250	ug/kg	1.00	2.5e+02	01/05/04	12/17/03	12/18/03
W030001204	B17RX5	GPP	111-91-1	Bis(2-Chloroethoxy)methane	SOIL	LA-523-456	U	< 120	ug/kg	1.00	1.2e+02	01/05/04	12/17/03	12/18/03
W030001204	B17RX5	GPP	117-81-7	Bis(2-ethylhexyl) phthalate	SOIL	LA-523-456	U	< 580	ug/kg	1.00	5.8e+02	01/05/04	12/17/03	12/18/03
W030001204	B17RX5	GPP	117-84-0	Di-n-octylphthalate	SOIL	LA-523-456	U	< 69.0	ug/kg	1.00	69	01/05/04	12/17/03	12/18/03
W030001204	B17RX5	GPP	118-74-1	Hexachlorobenzene	SOIL	LA-523-456	U	< 69.0	ug/kg	1.00	69	01/05/04	12/17/03	12/18/03
W030001204	B17RX5	GPP	120-12-7	Anthracene	SOIL	LA-523-456	U	< 69.0	ug/kg	1.00	69	01/05/04	12/17/03	12/18/03
W030001204	B17RX5	GPP	120-83-2	2,4-Dichlorophenol	SOIL	LA-523-456	U	< 83.0	ug/kg	1.00	83	01/05/04	12/17/03	12/18/03
W030001204	B17RX5	GPP	131-11-3	Dimethyl phthalate	SOIL	LA-523-456	U	< 69.0	ug/kg	1.00	69	01/05/04	12/17/03	12/18/03
W030001204	B17RX5	GPP	132-64-9	Dibenzofuran	SOIL	LA-523-456	U	< 69.0	ug/kg	1.00	69	01/05/04	12/17/03	12/18/03
W030001204	B17RX5	GPP	191-24-2	Benzo(ghi)perylene	SOIL	LA-523-456	U	< 69.0	ug/kg	1.00	69	01/05/04	12/17/03	12/18/03
W030001204	B17RX5	GPP	193-39-5	Indeno(1,2,3-cd)pyrene	SOIL	LA-523-456	U	< 69.0	ug/kg	1.00	69	01/05/04	12/17/03	12/18/03
W030001204	B17RX5	GPP	205-99-2	Benzo(b)fluoranthene	SOIL	LA-523-456	U	< 69.0	ug/kg	1.00	69	01/05/04	12/17/03	12/18/03
W030001204	B17RX5	GPP	206-44-0	Fluoranthene	SOIL	LA-523-456	U	< 69.0	ug/kg	1.00	69	01/05/04	12/17/03	12/18/03
W030001204	B17RX5	GPP	207-08-9	Benzo(k)fluoranthene	SOIL	LA-523-456	U	< 69.0	ug/kg	1.00	69	01/05/04	12/17/03	12/18/03
W030001204	B17RX5	GPP	208-96-8	Acenaphthylene	SOIL	LA-523-456	U	< 83.0	ug/kg	1.00	83	01/05/04	12/17/03	12/18/03
W030001204	B17RX5	GPP	218-01-9	Chrysene	SOIL	LA-523-456	U	< 69.0	ug/kg	1.00	69	01/05/04	12/17/03	12/18/03
W030001204	B17RX5	GPP	50-32-8	Benzo(a)pyrene	SOIL	LA-523-456	U	< 69.0	ug/kg	1.00	69	01/05/04	12/17/03	12/18/03
W030001204	B17RX5	GPP	51-28-5	2,4-Dinitrophenol	SOIL	LA-523-456	U	< 690	ug/kg	1.00	6.9e+02	01/05/04	12/17/03	12/18/03
W030001204	B17RX5	GPP	53-70-3	Dibenz[a,h]anthracene	SOIL	LA-523-456	U	< 69.0	ug/kg	1.00	69	01/05/04	12/17/03	12/18/03
W030001204	B17RX5	GPP	534-52-1	4,6-Dinitro-2-methylphenol	SOIL	LA-523-456	U	< 690	ug/kg	1.00	6.9e+02	01/05/04	12/17/03	12/18/03

MDL=Minimum Detection Limit
RQ=Result Qualifier

B - The Analyte detected in both the BLANK and the SAMPLE (org.)
C - The Analyte was in the Sample and Blank, Sample < = 5 x Blank
J - Analyte is an estimate, has potentially larger errors
B - The analyte < the RDL but > = the IDL/MDL (inorganic)
E - Analyte is an estimate, has potentially larger errors
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: F03-025: F03-025

Group #: WSCF20031680

Sample #	Client ID		CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W030001204	B17RX5	GPP	541-73-1	1,3-Dichlorobenzene	SOIL	LA-523-456	U	< 330	ug/kg	1.00	3.3e+02	01/05/04	12/17/03	12/18/03
W030001204	B17RX5	GPP	56-55-3	Benzo(a)anthracene	SOIL	LA-523-456	U	< 69.0	ug/kg	1.00	69	01/05/04	12/17/03	12/18/03
W030001204	B17RX5	GPP	606-20-2	2,6-Dinitrotoluene	SOIL	LA-523-456	U	< 69.0	ug/kg	1.00	69	01/05/04	12/17/03	12/18/03
W030001204	B17RX5	GPP	7005-72-3	4-Chlorophenylphenyl ether	SOIL	LA-523-456	U	< 69.0	ug/kg	1.00	69	01/05/04	12/17/03	12/18/03
W030001204	B17RX5	GPP	77-47-4	Hexachlorocyclopentadiene	SOIL	LA-523-456	U	< 320	ug/kg	1.00	3.2e+02	01/05/04	12/17/03	12/18/03
W030001204	B17RX5	GPP	78-59-1	Isophorone	SOIL	LA-523-456	U	< 69.0	ug/kg	1.00	69	01/05/04	12/17/03	12/18/03
W030001204	B17RX5	GPP	84-66-2	Diethylphthalate	SOIL	LA-523-456	BJ	480	ug/kg	1.00	1.9e+02	01/05/04	12/17/03	12/18/03
W030001204	B17RX5	GPP	84-74-2	Di-n-butylphthalate	SOIL	LA-523-456	U	< 90.0	ug/kg	1.00	90	01/05/04	12/17/03	12/18/03
W030001204	B17RX5	GPP	85-01-8	Phenanthrene	SOIL	LA-523-456	U	< 69.0	ug/kg	1.00	69	01/05/04	12/17/03	12/18/03
W030001204	B17RX5	GPP	85-68-7	Butylbenzylphthalate	SOIL	LA-523-456	U	< 69.0	ug/kg	1.00	69	01/05/04	12/17/03	12/18/03
W030001204	B17RX5	GPP	86-30-6	N-Nitrosodiphenylamine	SOIL	LA-523-456	U	< 69.0	ug/kg	1.00	69	01/05/04	12/17/03	12/18/03
W030001204	B17RX5	GPP	86-73-7	Fluorene	SOIL	LA-523-456	U	< 69.0	ug/kg	1.00	69	01/05/04	12/17/03	12/18/03
W030001204	B17RX5	GPP	86-74-8	Carbazole	SOIL	LA-523-456	U	< 83.0	ug/kg	1.00	83	01/05/04	12/17/03	12/18/03
W030001204	B17RX5	GPP	87-68-3	Hexachlorobutadiene	SOIL	LA-523-456	U	< 380	ug/kg	1.00	3.8e+02	01/05/04	12/17/03	12/18/03
W030001204	B17RX5	GPP	88-74-4	2-Nitroaniline	SOIL	LA-523-456	U	< 69.0	ug/kg	1.00	69	01/05/04	12/17/03	12/18/03
W030001204	B17RX5	GPP	88-75-5	2-Nitrophenol	SOIL	LA-523-456	U	< 180	ug/kg	1.00	1.8e+02	01/05/04	12/17/03	12/18/03
W030001204	B17RX5	GPP	91-20-3	Naphthalene	SOIL	LA-523-456	U	< 300	ug/kg	1.00	3.0e+02	01/05/04	12/17/03	12/18/03
W030001204	B17RX5	GPP	91-57-6	2-Methylnaphthalene	SOIL	LA-523-456	U	< 190	ug/kg	1.00	1.9e+02	01/05/04	12/17/03	12/18/03
W030001204	B17RX5	GPP	91-58-7	2-Chloronaphthalene	SOIL	LA-523-456	U	< 69.0	ug/kg	1.00	69	01/05/04	12/17/03	12/18/03
W030001204	B17RX5	GPP	91-94-1	3,3'-Dichlorobenzidine	SOIL	LA-523-456	U	< 83.0	ug/kg	1.00	83	01/05/04	12/17/03	12/18/03
W030001204	B17RX5	GPP	95-48-7	2-Methylphenol (cresol, o-)	SOIL	LA-523-456	U	< 69.0	ug/kg	1.00	69	01/05/04	12/17/03	12/18/03
W030001204	B17RX5	GPP	95-50-1	1,2-Dichlorobenzene	SOIL	LA-523-456	U	< 370	ug/kg	1.00	3.7e+02	01/05/04	12/17/03	12/18/03
W030001204	B17RX5	GPP	95-95-4	2,4,5-Trichlorophenol	SOIL	LA-523-456	U	< 76.0	ug/kg	1.00	76	01/05/04	12/17/03	12/18/03
W030001204	B17RX5	GPP	98-95-3	Nitrobenzene	SOIL	LA-523-456	U	< 270	ug/kg	1.00	2.7e+02	01/05/04	12/17/03	12/18/03
W030001204	B17RX5	GPP	99-09-2	3-Nitroaniline	SOIL	LA-523-456	U	< 69.0	ug/kg	1.00	69	01/05/04	12/17/03	12/18/03
W030001204	B17RX5	GPP	65794-96-9	3 & 4 Methylphenol Total	SOIL	LA-523-456	U	< 120	ug/kg	1.00	1.2e+02	01/05/04	12/17/03	12/18/03
W030001204	B17RX5	GPP	67-72-1	Hexachloroethane	SOIL	LA-523-456	U	< 480	ug/kg	1.00	4.8e+02	01/05/04	12/17/03	12/18/03

MDL=Minimum Detection Limit
RQ=Result Qualifier

B - The Analyte detected in both the BLANK and the SAMPLE (org.)
C - The Analyte was in the Sample and Blank, Sample < = 5 x Blank
J - Analyte is an estimate, has potentially larger errors
B - The analyte < the RDL but > = the IDL/MDL (inorganic)
E - Analyte is an estimate, has potentially larger errors
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: F03-025: F03-025

Group #: WSCF20031680

Sample #	Client ID		CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W030001204	B17RX5	GPP	88-06-2	2,4,6-Trichlorophenol	SOIL	LA-523-456	U	< 69.0	ug/kg	1.00	69	01/05/04	12/17/03	12/18/03
W030001204	B17RX5	GPP	126-73-8	Tributyl phosphate	SOIL	LA-523-456	U	< 69.0	ug/kg	1.00	69	01/05/04	12/17/03	12/18/03
W030001204	B17RX5	GPP	75-35-4	1,1-Dichloroethene	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	12/29/03	12/17/03	12/18/03
W030001204	B17RX5	GPP	79-01-6	Trichloroethene	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	12/29/03	12/17/03	12/18/03
W030001204	B17RX5	GPP	71-43-2	Benzene	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	12/29/03	12/17/03	12/18/03
W030001204	B17RX5	GPP	108-88-3	Toluene	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	12/29/03	12/17/03	12/18/03
W030001204	B17RX5	GPP	108-90-7	Chlorobenzene	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	12/29/03	12/17/03	12/18/03
W030001204	B17RX5	GPP	75-34-3	1,1-Dichloroethane	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	12/29/03	12/17/03	12/18/03
W030001204	B17RX5	GPP	100-41-4	Ethylbenzene	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	12/29/03	12/17/03	12/18/03
W030001204	B17RX5	GPP	100-42-5	Styrene	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	12/29/03	12/17/03	12/18/03
W030001204	B17RX5	GPP	10061-01-5	cis-1,3-Dichloropropene	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	12/29/03	12/17/03	12/18/03
W030001204	B17RX5	GPP	10061-02-6	trans-1,3-Dichloropropene	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	12/29/03	12/17/03	12/18/03
W030001204	B17RX5	GPP	107-06-2	1,2-Dichloroethane	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	12/29/03	12/17/03	12/18/03
W030001204	B17RX5	GPP	108-10-1	4-Methyl-2-Pentanone	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	12/29/03	12/17/03	12/18/03
W030001204	B17RX5	GPP	124-48-1	Dibromochloromethane	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	12/29/03	12/17/03	12/18/03
W030001204	B17RX5	GPP	127-18-4	Tetrachloroethene	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	12/29/03	12/17/03	12/18/03
W030001204	B17RX5	GPP	1330-20-7	Xylenes (total)	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	12/29/03	12/17/03	12/18/03
W030001204	B17RX5	GPP	540-59-0	1,2-Dichloroethene(Total)	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	12/29/03	12/17/03	12/18/03
W030001204	B17RX5	GPP	56-23-5	Carbon tetrachloride	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	12/29/03	12/17/03	12/18/03
W030001204	B17RX5	GPP	591-78-6	2-Hexanone	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	12/29/03	12/17/03	12/18/03
W030001204	B17RX5	GPP	67-64-1	Acetone	SOIL	LA-523-455	U	< 4.10	ug/kg	1.00	4.1	12/29/03	12/17/03	12/18/03
W030001204	B17RX5	GPP	67-66-3	Chloroform	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	12/29/03	12/17/03	12/18/03
W030001204	B17RX5	GPP	71-55-6	1,1,1-Trichloroethane	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	12/29/03	12/17/03	12/18/03
W030001204	B17RX5	GPP	74-83-9	Bromomethane	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	12/29/03	12/17/03	12/18/03
W030001204	B17RX5	GPP	74-87-3	Chloromethane	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	12/29/03	12/17/03	12/18/03
W030001204	B17RX5	GPP	75-00-3	Chloroethane	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	12/29/03	12/17/03	12/18/03
W030001204	B17RX5	GPP	75-01-4	Vinyl chloride	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	12/29/03	12/17/03	12/18/03

MDL=Minimum Detection Limit
RQ=Result Qualifier

B - The Analyte detected in both the BLANK and the SAMPLE (org.)
C - The Analyte was in the Sample and Blank, Sample < = 5 x Blank
J - Analyte is an estimate, has potentially larger errors
B - The analyte < the RDL but > = the IDL/MDL (inorganic)
E - Analyte is an estimate, has potentially larger errors
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: F03-025: F03-025

Group #: WSCF20031680

Sample #	Client ID		CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W030001204	B17RX5	GPP	75-09-2	Methylenechloride	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	12/29/03	12/17/03	12/18/03
W030001204	B17RX5	GPP	75-15-0	Carbon disulfide	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	12/29/03	12/17/03	12/18/03
W030001204	B17RX5	GPP	75-25-2	Bromoform	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	12/29/03	12/17/03	12/18/03
W030001204	B17RX5	GPP	75-27-4	Bromodichloromethane	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	12/29/03	12/17/03	12/18/03
W030001204	B17RX5	GPP	78-87-5	1,2-Dichloropropane	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	12/29/03	12/17/03	12/18/03
W030001204	B17RX5	GPP	78-93-3	2-Butanone	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	12/29/03	12/17/03	12/18/03
W030001204	B17RX5	GPP	79-00-5	1,1,2-Trichloroethane	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	12/29/03	12/17/03	12/18/03
W030001204	B17RX5	GPP	79-34-5	1,1,2,2-Tetrachloroethane	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	12/29/03	12/17/03	12/18/03
W030001204	B17RX5	GPP	71-36-3	1-Butanol	SOIL	LA-523-455	U	< 21.0	ug/kg	1.00	21	12/29/03	12/17/03	12/18/03
W030001204	B17RX5	GPP	TPHDIESEL	Total Pet. Hydrocarbons Diesel	SOIL	NWTPH	U	< 3.90e+03	ug/kg	1.00	3.9e+03	12/30/03	12/17/03	12/18/03
W030001204	B17RX5	GPP	TPHKEROSENE	Kerosene	SOIL	NWTPH	U	< 3.90e+03	ug/kg	1.00	3.9e+03	12/30/03	12/17/03	12/18/03
W030001205	B17RV4	GPP	107-21-1	Ethylene glycol	SOIL	Organics	U	< 5.00e+03	ug/kg	1.00	5.0e+03	12/30/03	12/17/03	12/18/03
W030001205	B17RV4	GPP	TPHGASOLINE	Total Pet. Hydrocarbons Gas	SOIL	NWTPH	U	< 250	ug/kg	1.00	2.5e+02	12/30/03	12/17/03	12/18/03
W030001205	B17RV4	GPP	12674-11-2	Aroclor-1016	SOIL	LA-523-427	U	< 52.0	ug/kg	1.00	52	01/05/04	12/17/03	12/18/03
W030001205	B17RV4	GPP	11104-28-2	Aroclor-1221	SOIL	LA-523-427	U	< 100	ug/kg	1.00	1.0e+02	01/05/04	12/17/03	12/18/03
W030001205	B17RV4	GPP	11141-16-5	Aroclor-1232	SOIL	LA-523-427	U	< 52.0	ug/kg	1.00	52	01/05/04	12/17/03	12/18/03
W030001205	B17RV4	GPP	53469-21-9	Aroclor-1242	SOIL	LA-523-427	U	< 52.0	ug/kg	1.00	52	01/05/04	12/17/03	12/18/03
W030001205	B17RV4	GPP	12672-29-6	Aroclor-1248	SOIL	LA-523-427	U	< 52.0	ug/kg	1.00	52	01/05/04	12/17/03	12/18/03
W030001205	B17RV4	GPP	11097-69-1	Aroclor-1254	SOIL	LA-523-427	U	< 52.0	ug/kg	1.00	52	01/05/04	12/17/03	12/18/03
W030001205	B17RV4	GPP	11096-82-5	Aroclor-1260	SOIL	LA-523-427	U	< 52.0	ug/kg	1.00	52	01/05/04	12/17/03	12/18/03
W030001205	B17RV4	GPP	37324-23-5	Aroclor-1262	SOIL	LA-523-427	U	< 52.0	ug/kg	1.00	52	01/05/04	12/17/03	12/18/03
W030001205	B17RV4	GPP	11100-14-4	Aroclor-1268	SOIL	LA-523-427	U	< 52.0	ug/kg	1.00	52	01/05/04	12/17/03	12/18/03
W030001205	B17RV4	GPP	100-02-7	4-Nitrophenol	SOIL	LA-523-456	U	< 680	ug/kg	1.00	6.8e+02	01/05/04	12/17/03	12/18/03
W030001205	B17RV4	GPP	106-46-7	1,4-Dichlorobenzene	SOIL	LA-523-456	U	< 330	ug/kg	1.00	3.3e+02	01/05/04	12/17/03	12/18/03
W030001205	B17RV4	GPP	108-95-2	Phenol	SOIL	LA-523-456	U	< 110	ug/kg	1.00	1.1e+02	01/05/04	12/17/03	12/18/03
W030001205	B17RV4	GPP	120-82-1	1,2,4-Trichlorobenzene	SOIL	LA-523-456	U	< 310	ug/kg	1.00	3.1e+02	01/05/04	12/17/03	12/18/03
W030001205	B17RV4	GPP	121-14-2	2,4-Dinitrotoluene	SOIL	LA-523-456	U	< 70.0	ug/kg	1.00	70	01/05/04	12/17/03	12/18/03

MDL=Minimum Detection Limit
RQ=Result Qualifier

B - The Analyte detected in both the BLANK and the SAMPLE (org.)
C - The Analyte was in the Sample and Blank, Sample < = 5 x Blank
J - Analyte is an estimate, has potentially larger errors
B - The analyte < the RDL but > = the IDL/MDL (inorganic)
E - Analyte is an estimate, has potentially larger errors
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: F03-025: F03-025

Group #: WSCF20031680

Sample #	Client ID		CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W030001205	B17RV4	GPP	129-00-0	Pyrene	SOIL	LA-523-456	U	< 70.0	ug/kg	1.00	70	01/05/04	12/17/03	12/18/03
W030001205	B17RV4	GPP	59-50-7	4-Chloro-3-methylphenol	SOIL	LA-523-456	U	< 70.0	ug/kg	1.00	70	01/05/04	12/17/03	12/18/03
W030001205	B17RV4	GPP	621-64-7	N-Nitrosodi-n-dipropylamine	SOIL	LA-523-456	U	< 70.0	ug/kg	1.00	70	01/05/04	12/17/03	12/18/03
W030001205	B17RV4	GPP	83-32-9	Acenaphthene	SOIL	LA-523-456	U	< 70.0	ug/kg	1.00	70	01/05/04	12/17/03	12/18/03
W030001205	B17RV4	GPP	87-86-5	Pentachlorophenol	SOIL	LA-523-456	U	< 320	ug/kg	1.00	3.2e+02	01/05/04	12/17/03	12/18/03
W030001205	B17RV4	GPP	95-57-8	2-Chlorophenol	SOIL	LA-523-456	U	< 160	ug/kg	1.00	1.6e+02	01/05/04	12/17/03	12/18/03
W030001205	B17RV4	GPP	100-01-6	4-Nitroaniline	SOIL	LA-523-456	U	< 260	ug/kg	1.00	2.6e+02	01/05/04	12/17/03	12/18/03
W030001205	B17RV4	GPP	101-55-3	4-Bromophenylphenyl ether	SOIL	LA-523-456	U	< 70.0	ug/kg	1.00	70	01/05/04	12/17/03	12/18/03
W030001205	B17RV4	GPP	105-67-9	2,4-Dimethylphenol	SOIL	LA-523-456	U	< 70.0	ug/kg	1.00	70	01/05/04	12/17/03	12/18/03
W030001205	B17RV4	GPP	106-47-8	4-Chloroaniline	SOIL	LA-523-456	U	< 99.0	ug/kg	1.00	99	01/05/04	12/17/03	12/18/03
W030001205	B17RV4	GPP	108-60-1	Bis(2-chloro-1-methylethyl)eth	SOIL	LA-523-456	U	< 270	ug/kg	1.00	2.7e+02	01/05/04	12/17/03	12/18/03
W030001205	B17RV4	GPP	111-44-4	Bis(2-chloroethyl) ether	SOIL	LA-523-456	U	< 260	ug/kg	1.00	2.6e+02	01/05/04	12/17/03	12/18/03
W030001205	B17RV4	GPP	111-91-1	Bis(2-Chloroethoxy)methane	SOIL	LA-523-456	U	< 120	ug/kg	1.00	1.2e+02	01/05/04	12/17/03	12/18/03
W030001205	B17RV4	GPP	117-81-7	Bis(2-ethylhexyl) phthalate	SOIL	LA-523-456	U	< 590	ug/kg	1.00	5.9e+02	01/05/04	12/17/03	12/18/03
W030001205	B17RV4	GPP	117-84-0	Di-n-octylphthalate	SOIL	LA-523-456	U	< 70.0	ug/kg	1.00	70	01/05/04	12/17/03	12/18/03
W030001205	B17RV4	GPP	118-74-1	Hexachlorobenzene	SOIL	LA-523-456	U	< 70.0	ug/kg	1.00	70	01/05/04	12/17/03	12/18/03
W030001205	B17RV4	GPP	120-12-7	Anthracene	SOIL	LA-523-456	U	< 70.0	ug/kg	1.00	70	01/05/04	12/17/03	12/18/03
W030001205	B17RV4	GPP	120-83-2	2,4-Dichlorophenol	SOIL	LA-523-456	U	< 85.0	ug/kg	1.00	85	01/05/04	12/17/03	12/18/03
W030001205	B17RV4	GPP	131-11-3	Dimethyl phthalate	SOIL	LA-523-456	U	< 70.0	ug/kg	1.00	70	01/05/04	12/17/03	12/18/03
W030001205	B17RV4	GPP	132-64-9	Dibenzofuran	SOIL	LA-523-456	U	< 70.0	ug/kg	1.00	70	01/05/04	12/17/03	12/18/03
W030001205	B17RV4	GPP	191-24-2	Benzo(ghi)perylene	SOIL	LA-523-456	U	< 70.0	ug/kg	1.00	70	01/05/04	12/17/03	12/18/03
W030001205	B17RV4	GPP	193-39-5	Indeno(1,2,3-cd)pyrene	SOIL	LA-523-456	U	< 70.0	ug/kg	1.00	70	01/05/04	12/17/03	12/18/03
W030001205	B17RV4	GPP	205-99-2	Benzo(b)fluoranthene	SOIL	LA-523-456	U	< 70.0	ug/kg	1.00	70	01/05/04	12/17/03	12/18/03
W030001205	B17RV4	GPP	206-44-0	Fluoranthene	SOIL	LA-523-456	U	< 70.0	ug/kg	1.00	70	01/05/04	12/17/03	12/18/03
W030001205	B17RV4	GPP	207-08-9	Benzo(k)fluoranthene	SOIL	LA-523-456	U	< 70.0	ug/kg	1.00	70	01/05/04	12/17/03	12/18/03
W030001205	B17RV4	GPP	208-96-8	Acenaphthylene	SOIL	LA-523-456	U	< 85.0	ug/kg	1.00	85	01/05/04	12/17/03	12/18/03
W030001205	B17RV4	GPP	218-01-9	Chrysene	SOIL	LA-523-456	U	< 70.0	ug/kg	1.00	70	01/05/04	12/17/03	12/18/03

MDL=Minimum Detection Limit
RQ=Result Qualifier

B - The Analyte detected in both the BLANK and the SAMPLE (org.)
C - The Analyte was in the Sample and Blank, Sample < = 5 x Blank
J - Analyte is an estimate; has potentially larger errors
B - The analyte < the RDL but > = the IDL/MDL (inorganic)
E - Analyte is an estimate, has potentially larger errors
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: F03-025: F03-025

Group #: WSCF20031680

Sample #	Client ID		CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W030001205	B17RV4	GPP	50-32-8	Benzo(a)pyrene	SOIL	LA-523-456	U	< 70.0	ug/kg	1.00	70	01/05/04	12/17/03	12/18/03
W030001205	B17RV4	GPP	51-28-5	2,4-Dinitrophenol	SOIL	LA-523-456	U	< 700	ug/kg	1.00	7.0e+02	01/05/04	12/17/03	12/18/03
W030001205	B17RV4	GPP	53-70-3	Dibenz[a,h]anthracene	SOIL	LA-523-456	U	< 70.0	ug/kg	1.00	70	01/05/04	12/17/03	12/18/03
W030001205	B17RV4	GPP	534-52-1	4,6-Dinitro-2-methylphenol	SOIL	LA-523-456	U	< 700	ug/kg	1.00	7.0e+02	01/05/04	12/17/03	12/18/03
W030001205	B17RV4	GPP	541-73-1	1,3-Dichlorobenzene	SOIL	LA-523-456	U	< 340	ug/kg	1.00	3.4e+02	01/05/04	12/17/03	12/18/03
W030001205	B17RV4	GPP	56-55-3	Benzo(a)anthracene	SOIL	LA-523-456	U	< 70.0	ug/kg	1.00	70	01/05/04	12/17/03	12/18/03
W030001205	B17RV4	GPP	606-20-2	2,6-Dinitrotoluene	SOIL	LA-523-456	U	< 70.0	ug/kg	1.00	70	01/05/04	12/17/03	12/18/03
W030001205	B17RV4	GPP	7005-72-3	4-Chlorophenylphenyl ether	SOIL	LA-523-456	U	< 70.0	ug/kg	1.00	70	01/05/04	12/17/03	12/18/03
W030001205	B17RV4	GPP	77-47-4	Hexachlorocyclopentadiene	SOIL	LA-523-456	U	< 330	ug/kg	1.00	3.3e+02	01/05/04	12/17/03	12/18/03
W030001205	B17RV4	GPP	78-59-1	Isophorone	SOIL	LA-523-456	U	< 70.0	ug/kg	1.00	70	01/05/04	12/17/03	12/18/03
W030001205	B17RV4	GPP	84-66-2	Diethylphthalate	SOIL	LA-523-456	U	< 200	ug/kg	1.00	2.0e+02	01/05/04	12/17/03	12/18/03
W030001205	B17RV4	GPP	84-74-2	Di-n-butylphthalate	SOIL	LA-523-456	U	< 92.0	ug/kg	1.00	92	01/05/04	12/17/03	12/18/03
W030001205	B17RV4	GPP	85-01-8	Phenanthrene	SOIL	LA-523-456	U	< 70.0	ug/kg	1.00	70	01/05/04	12/17/03	12/18/03
W030001205	B17RV4	GPP	85-68-7	Butylbenzylphthalate	SOIL	LA-523-456	U	< 70.0	ug/kg	1.00	70	01/05/04	12/17/03	12/18/03
W030001205	B17RV4	GPP	86-30-6	N-Nitrosodiphenylamine	SOIL	LA-523-456	U	< 70.0	ug/kg	1.00	70	01/05/04	12/17/03	12/18/03
W030001205	B17RV4	GPP	86-73-7	Fluorene	SOIL	LA-523-456	U	< 70.0	ug/kg	1.00	70	01/05/04	12/17/03	12/18/03
W030001205	B17RV4	GPP	86-74-8	Carbazole	SOIL	LA-523-456	U	< 85.0	ug/kg	1.00	85	01/05/04	12/17/03	12/18/03
W030001205	B17RV4	GPP	87-68-3	Hexachlorobutadiene	SOIL	LA-523-456	U	< 390	ug/kg	1.00	3.9e+02	01/05/04	12/17/03	12/18/03
W030001205	B17RV4	GPP	88-74-4	2-Nitroaniline	SOIL	LA-523-456	U	< 70.0	ug/kg	1.00	70	01/05/04	12/17/03	12/18/03
W030001205	B17RV4	GPP	88-75-5	2-Nitrophenol	SOIL	LA-523-456	U	< 180	ug/kg	1.00	1.8e+02	01/05/04	12/17/03	12/18/03
W030001205	B17RV4	GPP	91-20-3	Naphthalene	SOIL	LA-523-456	U	< 300	ug/kg	1.00	3.0e+02	01/05/04	12/17/03	12/18/03
W030001205	B17RV4	GPP	91-57-6	2-Methylnaphthalene	SOIL	LA-523-456	U	< 190	ug/kg	1.00	1.9e+02	01/05/04	12/17/03	12/18/03
W030001205	B17RV4	GPP	91-58-7	2-Chloronaphthalene	SOIL	LA-523-456	U	< 70.0	ug/kg	1.00	70	01/05/04	12/17/03	12/18/03
W030001205	B17RV4	GPP	91-94-1	3,3'-Dichlorobenzidine	SOIL	LA-523-456	U	< 85.0	ug/kg	1.00	85	01/05/04	12/17/03	12/18/03
W030001205	B17RV4	GPP	95-48-7	2-Methylphenol (cresol, o-)	SOIL	LA-523-456	U	< 70.0	ug/kg	1.00	70	01/05/04	12/17/03	12/18/03
W030001205	B17RV4	GPP	95-50-1	1,2-Dichlorobenzene	SOIL	LA-523-456	U	< 380	ug/kg	1.00	3.8e+02	01/05/04	12/17/03	12/18/03
W030001205	B17RV4	GPP	95-95-4	2,4,5-Trichlorophenol	SOIL	LA-523-456	U	< 78.0	ug/kg	1.00	78	01/05/04	12/17/03	12/18/03

MDL=Minimum Detection Limit
RQ=Result Qualifier

B - The Analyte detected in both the BLANK and the SAMPLE (org.)
C - The Analyte was in the Sample and Blank, Sample < = 5 x Blank
J - Analyte is an estimate, has potentially larger errors
B - The analyte < the RDL but > = the IDL/MDL (inorganic)
E - Analyte is an estimate, has potentially larger errors
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: F03-025: F03-025

Group #: WSCF20031680

Sample #	Client ID		CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W030001205	B17RV4	GPP	98-95-3	Nitrobenzene	SOIL	LA-523-456	U	< 270	ug/kg	1.00	2.7e+02	01/05/04	12/17/03	12/18/03
W030001205	B17RV4	GPP	99-09-2	3-Nitroaniline	SOIL	LA-523-456	U	< 70.0	ug/kg	1.00	70	01/05/04	12/17/03	12/18/03
W030001205	B17RV4	GPP	65794-96-9	3 & 4 Methylphenol Total	SOIL	LA-523-456	U	< 120	ug/kg	1.00	1.2e+02	01/05/04	12/17/03	12/18/03
W030001205	B17RV4	GPP	67-72-1	Hexachloroethane	SOIL	LA-523-456	U	< 490	ug/kg	1.00	4.9e+02	01/05/04	12/17/03	12/18/03
W030001205	B17RV4	GPP	88-06-2	2,4,6-Trichlorophenol	SOIL	LA-523-456	U	< 70.0	ug/kg	1.00	70	01/05/04	12/17/03	12/18/03
W030001205	B17RV4	GPP	126-73-8	Tributyl phosphate	SOIL	LA-523-456	U	< 70.0	ug/kg	1.00	70	01/05/04	12/17/03	12/18/03
W030001205	B17RV4	GPP	75-35-4	1,1-Dichloroethene	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	12/29/03	12/17/03	12/18/03
W030001205	B17RV4	GPP	79-01-6	Trichloroethene	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	12/29/03	12/17/03	12/18/03
W030001205	B17RV4	GPP	71-43-2	Benzene	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	12/29/03	12/17/03	12/18/03
W030001205	B17RV4	GPP	108-88-3	Toluene	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	12/29/03	12/17/03	12/18/03
W030001205	B17RV4	GPP	108-90-7	Chlorobenzene	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	12/29/03	12/17/03	12/18/03
W030001205	B17RV4	GPP	75-34-3	1,1-Dichloroethane	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	12/29/03	12/17/03	12/18/03
W030001205	B17RV4	GPP	100-41-4	Ethylbenzene	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	12/29/03	12/17/03	12/18/03
W030001205	B17RV4	GPP	100-42-5	Styrene	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	12/29/03	12/17/03	12/18/03
W030001205	B17RV4	GPP	10061-01-5	cis-1,3-Dichloropropene	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	12/29/03	12/17/03	12/18/03
W030001205	B17RV4	GPP	10061-02-6	trans-1,3-Dichloropropene	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	12/29/03	12/17/03	12/18/03
W030001205	B17RV4	GPP	107-06-2	1,2-Dichloroethane	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	12/29/03	12/17/03	12/18/03
W030001205	B17RV4	GPP	108-10-1	4-Methyl-2-Pentanone	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	12/29/03	12/17/03	12/18/03
W030001205	B17RV4	GPP	124-48-1	Dibromochloromethane	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	12/29/03	12/17/03	12/18/03
W030001205	B17RV4	GPP	127-18-4	Tetrachloroethene	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	12/29/03	12/17/03	12/18/03
W030001205	B17RV4	GPP	1330-20-7	Xylenes (total)	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	12/29/03	12/17/03	12/18/03
W030001205	B17RV4	GPP	540-59-0	1,2-Dichloroethene(Total)	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	12/29/03	12/17/03	12/18/03
W030001205	B17RV4	GPP	56-23-5	Carbon tetrachloride	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	12/29/03	12/17/03	12/18/03
W030001205	B17RV4	GPP	591-78-6	2-Hexanone	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	12/29/03	12/17/03	12/18/03
W030001205	B17RV4	GPP	67-64-1	Acetone	SOIL	LA-523-455	U	< 4.20	ug/kg	1.00	4.2	12/29/03	12/17/03	12/18/03
W030001205	B17RV4	GPP	67-66-3	Chloroform	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	12/29/03	12/17/03	12/18/03
W030001205	B17RV4	GPP	71-55-6	1,1,1-Trichloroethane	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	12/29/03	12/17/03	12/18/03

MDL=Minimum Detection Limit
RQ=Result Qualifier

B - The Analyte detected in both the BLANK and the SAMPLE (org.)
C - The Analyte was in the Sample and Blank, Sample < = 5 x Blank
J - Analyte is an estimate, has potentially larger errors
B - The analyte < the RDL but > = the IDL/MDL (inorganic)
E - Analyte is an estimate, has potentially larger errors
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: F03-025: F03-025

Group #: WSCF20031680

Sample #	Client ID		CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W030001205	B17RV4	GPP	74-83-9	Bromomethane	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	12/29/03	12/17/03	12/18/03
W030001205	B17RV4	GPP	74-87-3	Chloromethane	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	12/29/03	12/17/03	12/18/03
W030001205	B17RV4	GPP	75-00-3	Chloroethane	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	12/29/03	12/17/03	12/18/03
W030001205	B17RV4	GPP	75-01-4	Vinyl chloride	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	12/29/03	12/17/03	12/18/03
W030001205	B17RV4	GPP	75-09-2	Methylenechloride	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	12/29/03	12/17/03	12/18/03
W030001205	B17RV4	GPP	75-15-0	Carbon disulfide	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	12/29/03	12/17/03	12/18/03
W030001205	B17RV4	GPP	75-25-2	Bromoform	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	12/29/03	12/17/03	12/18/03
W030001205	B17RV4	GPP	75-27-4	Bromodichloromethane	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	12/29/03	12/17/03	12/18/03
W030001205	B17RV4	GPP	78-87-5	1,2-Dichloropropane	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	12/29/03	12/17/03	12/18/03
W030001205	B17RV4	GPP	78-93-3	2-Butanone	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	12/29/03	12/17/03	12/18/03
W030001205	B17RV4	GPP	79-00-5	1,1,2-Trichloroethane	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	12/29/03	12/17/03	12/18/03
W030001205	B17RV4	GPP	79-34-5	1,1,2,2-Tetrachloroethane	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	12/29/03	12/17/03	12/18/03
W030001205	B17RV4	GPP	71-36-3	1-Butanol	SOIL	LA-523-455	U	< 21.0	ug/kg	1.00	21	12/29/03	12/17/03	12/18/03
W030001205	B17RV4	GPP	TPHDIESEL	Total Pet. Hydrocarbons Diesel	SOIL	NWTPH	U	< 4.00e+03	ug/kg	1.00	4.0e+03	12/30/03	12/17/03	12/18/03
W030001205	B17RV4	GPP	TPHKEROSENE	Kerosene	SOIL	NWTPH	U	< 4.00e+03	ug/kg	1.00	4.0e+03	12/30/03	12/17/03	12/18/03
W030001206	B17RX9	GPP	107-21-1	Ethylene glycol	SOIL	Organics	U	< 5.00e+03	ug/kg	1.00	5.0e+03	12/30/03	12/17/03	12/18/03
W030001206	B17RX9	GPP	TPHGASOLINE	Total Pet. Hydrocarbons Gas	SOIL	NWTPH	U	< 250	ug/kg	1.00	2.5e+02	12/30/03	12/17/03	12/18/03
W030001206	B17RX9	GPP	12674-11-2	Aroclor-1016	SOIL	LA-523-427	U	< 52.0	ug/kg	1.00	52	01/05/04	12/17/03	12/18/03
W030001206	B17RX9	GPP	11104-28-2	Aroclor-1221	SOIL	LA-523-427	U	< 100	ug/kg	1.00	1.0e+02	01/05/04	12/17/03	12/18/03
W030001206	B17RX9	GPP	11141-16-5	Aroclor-1232	SOIL	LA-523-427	U	< 52.0	ug/kg	1.00	52	01/05/04	12/17/03	12/18/03
W030001206	B17RX9	GPP	53469-21-9	Aroclor-1242	SOIL	LA-523-427	U	< 52.0	ug/kg	1.00	52	01/05/04	12/17/03	12/18/03
W030001206	B17RX9	GPP	12672-29-6	Aroclor-1248	SOIL	LA-523-427	U	< 52.0	ug/kg	1.00	52	01/05/04	12/17/03	12/18/03
W030001206	B17RX9	GPP	11097-69-1	Aroclor-1254	SOIL	LA-523-427	U	< 52.0	ug/kg	1.00	52	01/05/04	12/17/03	12/18/03
W030001206	B17RX9	GPP	11096-82-5	Aroclor-1260	SOIL	LA-523-427	U	< 52.0	ug/kg	1.00	52	01/05/04	12/17/03	12/18/03
W030001206	B17RX9	GPP	37324-23-5	Aroclor-1262	SOIL	LA-523-427	U	< 52.0	ug/kg	1.00	52	01/05/04	12/17/03	12/18/03
W030001206	B17RX9	GPP	11100-14-4	Aroclor-1268	SOIL	LA-523-427	U	< 52.0	ug/kg	1.00	52	01/05/04	12/17/03	12/18/03
W030001206	B17RX9	GPP	100-02-7	4-Nitrophenol	SOIL	LA-523-456	U	< 680	ug/kg	1.00	6.8e+02	01/05/04	12/17/03	12/18/03

MDL=Minimum Detection Limit
RQ=Result Qualifier

B - The Analyte detected in both the BLANK and the SAMPLE (org.)
C - The Analyte was in the Sample and Blank, Sample < = 5 x Blank
J - Analyte is an estimate, has potentially larger errors
B - The analyte < the RDL but > = the IDL/MDL (inorganic)
E - Analyte is an estimate, has potentially larger errors
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: F03-025: F03-025

Group #: WSCF20031680

Sample #	Client ID		CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W030001206	B17RX9	GPP	106-46-7	1,4-Dichlorobenzene	SOIL	LA-523-456	U	< 330	ug/kg	1.00	3.3e+02	01/05/04	12/17/03	12/18/03
W030001206	B17RX9	GPP	108-95-2	Phenol	SOIL	LA-523-456	U	< 110	ug/kg	1.00	1.1e+02	01/05/04	12/17/03	12/18/03
W030001206	B17RX9	GPP	120-82-1	1,2,4-Trichlorobenzene	SOIL	LA-523-456	U	< 310	ug/kg	1.00	3.1e+02	01/05/04	12/17/03	12/18/03
W030001206	B17RX9	GPP	121-14-2	2,4-Dinitrotoluene	SOIL	LA-523-456	U	< 70.0	ug/kg	1.00	70	01/05/04	12/17/03	12/18/03
W030001206	B17RX9	GPP	129-00-0	Pyrene	SOIL	LA-523-456	U	< 70.0	ug/kg	1.00	70	01/05/04	12/17/03	12/18/03
W030001206	B17RX9	GPP	59-50-7	4-Chloro-3-methylphenol	SOIL	LA-523-456	U	< 70.0	ug/kg	1.00	70	01/05/04	12/17/03	12/18/03
W030001206	B17RX9	GPP	621-64-7	N-Nitrosodi-n-dipropylamine	SOIL	LA-523-456	U	< 70.0	ug/kg	1.00	70	01/05/04	12/17/03	12/18/03
W030001206	B17RX9	GPP	83-32-9	Acenaphthene	SOIL	LA-523-456	U	< 70.0	ug/kg	1.00	70	01/05/04	12/17/03	12/18/03
W030001206	B17RX9	GPP	87-86-5	Pentachlorophenol	SOIL	LA-523-456	U	< 320	ug/kg	1.00	3.2e+02	01/05/04	12/17/03	12/18/03
W030001206	B17RX9	GPP	95-57-8	2-Chlorophenol	SOIL	LA-523-456	U	< 160	ug/kg	1.00	1.6e+02	01/05/04	12/17/03	12/18/03
W030001206	B17RX9	GPP	100-01-6	4-Nitroaniline	SOIL	LA-523-456	U	< 260	ug/kg	1.00	2.6e+02	01/05/04	12/17/03	12/18/03
W030001206	B17RX9	GPP	101-55-3	4-Bromophenylphenyl ether	SOIL	LA-523-456	U	< 70.0	ug/kg	1.00	70	01/05/04	12/17/03	12/18/03
W030001206	B17RX9	GPP	105-67-9	2,4-Dimethylphenol	SOIL	LA-523-456	U	< 70.0	ug/kg	1.00	70	01/05/04	12/17/03	12/18/03
W030001206	B17RX9	GPP	106-47-8	4-Chloroaniline	SOIL	LA-523-456	U	< 99.0	ug/kg	1.00	99	01/05/04	12/17/03	12/18/03
W030001206	B17RX9	GPP	108-60-1	Bis(2-chloro-1-methylethyl)eth	SOIL	LA-523-456	U	< 270	ug/kg	1.00	2.7e+02	01/05/04	12/17/03	12/18/03
W030001206	B17RX9	GPP	111-44-4	Bis(2-chloroethyl) ether	SOIL	LA-523-456	U	< 260	ug/kg	1.00	2.6e+02	01/05/04	12/17/03	12/18/03
W030001206	B17RX9	GPP	111-91-1	Bis(2-Chloroethoxy)methane	SOIL	LA-523-456	U	< 120	ug/kg	1.00	1.2e+02	01/05/04	12/17/03	12/18/03
W030001206	B17RX9	GPP	117-81-7	Bis(2-ethylhexyl) phthalate	SOIL	LA-523-456	U	< 590	ug/kg	1.00	5.9e+02	01/05/04	12/17/03	12/18/03
W030001206	B17RX9	GPP	117-84-0	Di-n-octylphthalate	SOIL	LA-523-456	U	< 70.0	ug/kg	1.00	70	01/05/04	12/17/03	12/18/03
W030001206	B17RX9	GPP	118-74-1	Hexachlorobenzene	SOIL	LA-523-456	U	< 70.0	ug/kg	1.00	70	01/05/04	12/17/03	12/18/03
W030001206	B17RX9	GPP	120-12-7	Anthracene	SOIL	LA-523-456	U	< 70.0	ug/kg	1.00	70	01/05/04	12/17/03	12/18/03
W030001206	B17RX9	GPP	120-83-2	2,4-Dichlorophenol	SOIL	LA-523-456	U	< 85.0	ug/kg	1.00	85	01/05/04	12/17/03	12/18/03
W030001206	B17RX9	GPP	131-11-3	Dimethyl phthalate	SOIL	LA-523-456	U	< 70.0	ug/kg	1.00	70	01/05/04	12/17/03	12/18/03
W030001206	B17RX9	GPP	132-64-9	Dibenzofuran	SOIL	LA-523-456	U	< 70.0	ug/kg	1.00	70	01/05/04	12/17/03	12/18/03
W030001206	B17RX9	GPP	191-24-2	Benzo(ghi)perylene	SOIL	LA-523-456	U	< 70.0	ug/kg	1.00	70	01/05/04	12/17/03	12/18/03
W030001206	B17RX9	GPP	193-39-5	Indeno(1,2,3-cd)pyrene	SOIL	LA-523-456	U	< 70.0	ug/kg	1.00	70	01/05/04	12/17/03	12/18/03
W030001206	B17RX9	GPP	205-99-2	Benzo(b)fluoranthene	SOIL	LA-523-456	U	< 70.0	ug/kg	1.00	70	01/05/04	12/17/03	12/18/03

MDL=Minimum Detection Limit
RQ=Result Qualifier

B - The Analyte detected in both the BLANK and the SAMPLE (org.)
C - The Analyte was in the Sample and Blank, Sample < = 5 x Blank
J - Analyte is an estimate, has potentially larger errors
B - The analyte < the RDL but > = the IDL/MDL (inorganic)
E - Analyte is an estimate, has potentially larger errors
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: F03-025: F03-025

Group #: WSCF20031680

Sample #	Client ID		CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W030001206	B17RX9	GPP	206-44-0	Fluoranthene	SOIL	LA-523-456	U	< 70.0	ug/kg	1.00	70	01/05/04	12/17/03	12/18/03
W030001206	B17RX9	GPP	207-08-9	Benzo(k)fluoranthene	SOIL	LA-523-456	U	< 70.0	ug/kg	1.00	70	01/05/04	12/17/03	12/18/03
W030001206	B17RX9	GPP	208-96-8	Acenaphthylene	SOIL	LA-523-456	U	< 85.0	ug/kg	1.00	85	01/05/04	12/17/03	12/18/03
W030001206	B17RX9	GPP	218-01-9	Chrysene	SOIL	LA-523-456	U	< 70.0	ug/kg	1.00	70	01/05/04	12/17/03	12/18/03
W030001206	B17RX9	GPP	50-32-8	Benzo(a)pyrene	SOIL	LA-523-456	U	< 70.0	ug/kg	1.00	70	01/05/04	12/17/03	12/18/03
W030001206	B17RX9	GPP	51-28-5	2,4-Dinitrophenol	SOIL	LA-523-456	U	< 700	ug/kg	1.00	7.0e+02	01/05/04	12/17/03	12/18/03
W030001206	B17RX9	GPP	53-70-3	Dibenz(a,h)anthracene	SOIL	LA-523-456	U	< 70.0	ug/kg	1.00	70	01/05/04	12/17/03	12/18/03
W030001206	B17RX9	GPP	534-52-1	4,6-Dinitro-2-methylphenol	SOIL	LA-523-456	U	< 700	ug/kg	1.00	7.0e+02	01/05/04	12/17/03	12/18/03
W030001206	B17RX9	GPP	541-73-1	1,3-Dichlorobenzene	SOIL	LA-523-456	U	< 340	ug/kg	1.00	3.4e+02	01/05/04	12/17/03	12/18/03
W030001206	B17RX9	GPP	56-55-3	Benzo(a)anthracene	SOIL	LA-523-456	U	< 70.0	ug/kg	1.00	70	01/05/04	12/17/03	12/18/03
W030001206	B17RX9	GPP	606-20-2	2,6-Dinitrotoluene	SOIL	LA-523-456	U	< 70.0	ug/kg	1.00	70	01/05/04	12/17/03	12/18/03
W030001206	B17RX9	GPP	7005-72-3	4-Chlorophenylphenyl ether	SOIL	LA-523-456	U	< 70.0	ug/kg	1.00	70	01/05/04	12/17/03	12/18/03
W030001206	B17RX9	GPP	77-47-4	Hexachlorocyclopentadiene	SOIL	LA-523-456	U	< 330	ug/kg	1.00	3.3e+02	01/05/04	12/17/03	12/18/03
W030001206	B17RX9	GPP	78-59-1	Isophorone	SOIL	LA-523-456	U	< 70.0	ug/kg	1.00	70	01/05/04	12/17/03	12/18/03
W030001206	B17RX9	GPP	84-66-2	Diethylphthalate	SOIL	LA-523-456	BJ	310	ug/kg	1.00	2.0e+02	01/05/04	12/17/03	12/18/03
W030001206	B17RX9	GPP	84-74-2	Di-n-butylphthalate	SOIL	LA-523-456	U	< 92.0	ug/kg	1.00	92	01/05/04	12/17/03	12/18/03
W030001206	B17RX9	GPP	85-01-8	Phenanthrene	SOIL	LA-523-456	U	< 70.0	ug/kg	1.00	70	01/05/04	12/17/03	12/18/03
W030001206	B17RX9	GPP	85-68-7	Butylbenzylphthalate	SOIL	LA-523-456	U	< 70.0	ug/kg	1.00	70	01/05/04	12/17/03	12/18/03
W030001206	B17RX9	GPP	86-30-6	N-Nitrosodiphenylamine	SOIL	LA-523-456	U	< 70.0	ug/kg	1.00	70	01/05/04	12/17/03	12/18/03
W030001206	B17RX9	GPP	86-73-7	Fluorene	SOIL	LA-523-456	U	< 70.0	ug/kg	1.00	70	01/05/04	12/17/03	12/18/03
W030001206	B17RX9	GPP	86-74-8	Carbazole	SOIL	LA-523-456	U	< 85.0	ug/kg	1.00	85	01/05/04	12/17/03	12/18/03
W030001206	B17RX9	GPP	87-68-3	Hexachlorobutadiene	SOIL	LA-523-456	U	< 390	ug/kg	1.00	3.9e+02	01/05/04	12/17/03	12/18/03
W030001206	B17RX9	GPP	88-74-4	2-Nitroaniline	SOIL	LA-523-456	U	< 70.0	ug/kg	1.00	70	01/05/04	12/17/03	12/18/03
W030001206	B17RX9	GPP	88-75-5	2-Nitrophenol	SOIL	LA-523-456	U	< 180	ug/kg	1.00	1.8e+02	01/05/04	12/17/03	12/18/03
W030001206	B17RX9	GPP	91-20-3	Naphthalene	SOIL	LA-523-456	U	< 300	ug/kg	1.00	3.0e+02	01/05/04	12/17/03	12/18/03
W030001206	B17RX9	GPP	91-57-6	2-Methylnaphthalene	SOIL	LA-523-456	U	< 190	ug/kg	1.00	1.9e+02	01/05/04	12/17/03	12/18/03
W030001206	B17RX9	GPP	91-58-7	2-Chloronaphthalene	SOIL	LA-523-456	U	< 70.0	ug/kg	1.00	70	01/05/04	12/17/03	12/18/03

MDL=Minimum Detection Limit
RQ=Result Qualifier

B - The Analyte detected in both the BLANK and the SAMPLE (org.)
C - The Analyte was in the Sample and Blank, Sample < = 5 x Blank
J - Analyte is an estimate, has potentially larger errors
B - The analyte < the RDL but > = the IDL/MDL (inorganic)
E - Analyte is an estimate, has potentially larger errors
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: F03-025: F03-025

Group #: WSCF20031680

Sample #	Client ID		CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W030001206	B17RX9	GPP	91-94-1	3,3'-Dichlorobenzidine	SOIL	LA-523-456	U	< 85.0	ug/kg	1.00	85	01/05/04	12/17/03	12/18/03
W030001206	B17RX9	GPP	95-48-7	2-Methylphenol (cresol, o-)	SOIL	LA-523-456	U	< 70.0	ug/kg	1.00	70	01/05/04	12/17/03	12/18/03
W030001206	B17RX9	GPP	95-50-1	1,2-Dichlorobenzene	SOIL	LA-523-456	U	< 380	ug/kg	1.00	3.8e+02	01/05/04	12/17/03	12/18/03
W030001206	B17RX9	GPP	95-95-4	2,4,5-Trichlorophenol	SOIL	LA-523-456	U	< 78.0	ug/kg	1.00	78	01/05/04	12/17/03	12/18/03
W030001206	B17RX9	GPP	98-95-3	Nitrobenzene	SOIL	LA-523-456	U	< 270	ug/kg	1.00	2.7e+02	01/05/04	12/17/03	12/18/03
W030001206	B17RX9	GPP	99-09-2	3-Nitroaniline	SOIL	LA-523-456	U	< 70.0	ug/kg	1.00	70	01/05/04	12/17/03	12/18/03
W030001206	B17RX9	GPP	65794-96-9	3 & 4 Methylphenol Total	SOIL	LA-523-456	U	< 120	ug/kg	1.00	1.2e+02	01/05/04	12/17/03	12/18/03
W030001206	B17RX9	GPP	67-72-1	Hexachloroethane	SOIL	LA-523-456	U	< 490	ug/kg	1.00	4.9e+02	01/05/04	12/17/03	12/18/03
W030001206	B17RX9	GPP	88-06-2	2,4,6-Trichlorophenol	SOIL	LA-523-456	U	< 70.0	ug/kg	1.00	70	01/05/04	12/17/03	12/18/03
W030001206	B17RX9	GPP	126-73-8	Tributyl phosphate	SOIL	LA-523-456	U	< 70.0	ug/kg	1.00	70	01/05/04	12/17/03	12/18/03
W030001206	B17RX9	GPP	75-35-4	1,1-Dichloroethene	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	12/29/03	12/17/03	12/18/03
W030001206	B17RX9	GPP	79-01-6	Trichloroethene	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	12/29/03	12/17/03	12/18/03
W030001206	B17RX9	GPP	71-43-2	Benzene	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	12/29/03	12/17/03	12/18/03
W030001206	B17RX9	GPP	108-88-3	Toluene	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	12/29/03	12/17/03	12/18/03
W030001206	B17RX9	GPP	108-90-7	Chlorobenzene	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	12/29/03	12/17/03	12/18/03
W030001206	B17RX9	GPP	75-34-3	1,1-Dichloroethane	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	12/29/03	12/17/03	12/18/03
W030001206	B17RX9	GPP	100-41-4	Ethylbenzene	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	12/29/03	12/17/03	12/18/03
W030001206	B17RX9	GPP	100-42-5	Styrene	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	12/29/03	12/17/03	12/18/03
W030001206	B17RX9	GPP	10061-01-5	cis-1,3-Dichloropropene	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	12/29/03	12/17/03	12/18/03
W030001206	B17RX9	GPP	10061-02-6	trans-1,3-Dichloropropene	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	12/29/03	12/17/03	12/18/03
W030001206	B17RX9	GPP	107-06-2	1,2-Dichloroethane	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	12/29/03	12/17/03	12/18/03
W030001206	B17RX9	GPP	108-10-1	4-Methyl-2-Pentanone	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	12/29/03	12/17/03	12/18/03
W030001206	B17RX9	GPP	124-48-1	Dibromochloromethane	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	12/29/03	12/17/03	12/18/03
W030001206	B17RX9	GPP	127-18-4	Tetrachloroethene	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	12/29/03	12/17/03	12/18/03
W030001206	B17RX9	GPP	1330-20-7	Xylenes (total)	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	12/29/03	12/17/03	12/18/03
W030001206	B17RX9	GPP	540-59-0	1,2-Dichloroethene(Total)	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	12/29/03	12/17/03	12/18/03
W030001206	B17RX9	GPP	56-23-5	Carbon tetrachloride	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	12/29/03	12/17/03	12/18/03

MDL=Minimum Detection Limit
RQ=Result Qualifier

B - The Analyte detected in both the BLANK and the SAMPLE (org.)
C - The Analyte was in the Sample and Blank, Sample < = 5 x Blank
J - Analyte is an estimate, has potentially larger errors
B - The analyte < the RDL but > = the IDL/MDL (inorganic)
E - Analyte is an estimate, has potentially larger errors
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: F03-025: F03-025

Group #: WSCF20031680

Sample #	Client ID		CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W030001206	B17RX9	GPP	591-78-6	2-Hexanone	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	12/29/03	12/17/03	12/18/03
W030001206	B17RX9	GPP	67-64-1	Acetone	SOIL	LA-523-455	U	< 4.20	ug/kg	1.00	4.2	12/29/03	12/17/03	12/18/03
W030001206	B17RX9	GPP	67-66-3	Chloroform	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	12/29/03	12/17/03	12/18/03
W030001206	B17RX9	GPP	71-55-6	1,1,1-Trichloroethane	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	12/29/03	12/17/03	12/18/03
W030001206	B17RX9	GPP	74-83-9	Bromomethane	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	12/29/03	12/17/03	12/18/03
W030001206	B17RX9	GPP	74-87-3	Chloromethane	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	12/29/03	12/17/03	12/18/03
W030001206	B17RX9	GPP	75-00-3	Chloroethane	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	12/29/03	12/17/03	12/18/03
W030001206	B17RX9	GPP	75-01-4	Vinyl chloride	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	12/29/03	12/17/03	12/18/03
W030001206	B17RX9	GPP	75-09-2	Methylenechloride	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	12/29/03	12/17/03	12/18/03
W030001206	B17RX9	GPP	75-15-0	Carbon disulfide	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	12/29/03	12/17/03	12/18/03
W030001206	B17RX9	GPP	75-25-2	Bromoform	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	12/29/03	12/17/03	12/18/03
W030001206	B17RX9	GPP	75-27-4	Bromodichloromethane	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	12/29/03	12/17/03	12/18/03
W030001206	B17RX9	GPP	78-87-5	1,2-Dichloropropane	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	12/29/03	12/17/03	12/18/03
W030001206	B17RX9	GPP	78-93-3	2-Butanone	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	12/29/03	12/17/03	12/18/03
W030001206	B17RX9	GPP	79-00-5	1,1,2-Trichloroethane	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	12/29/03	12/17/03	12/18/03
W030001206	B17RX9	GPP	79-34-5	1,1,2,2-Tetrachloroethane	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	12/29/03	12/17/03	12/18/03
W030001206	B17RX9	GPP	71-36-3	1-Butanol	SOIL	LA-523-455	U	< 21.0	ug/kg	1.00	21	12/29/03	12/17/03	12/18/03
W030001206	B17RX9	GPP	TPHDIESEL	Total Pet. Hydrocarbons Diesel	SOIL	NWTPH	U	< 4.00e+03	ug/kg	1.00	4.0e+03	12/30/03	12/17/03	12/18/03
W030001206	B17RX9	GPP	TPHKEROSENE	Kerosene	SOIL	NWTPH	U	< 4.00e+03	ug/kg	1.00	4.0e+03	12/30/03	12/17/03	12/18/03
W030001207	B17RY2	GPP	107-21-1	Ethylene glycol	SOIL	Organics	U	< 5.00e+03	ug/kg	1.00	5.0e+03	12/30/03	12/17/03	12/18/03
W030001207	B17RY2	GPP	TPHGASOLINE	Total Pet. Hydrocarbons Gas	SOIL	NWTPH	U	< 250	ug/kg	1.00	2.5e+02	12/30/03	12/17/03	12/18/03
W030001207	B17RY2	GPP	12674-11-2	Aroclor-1016	SOIL	LA-523-427	U	< 53.0	ug/kg	1.00	53	01/05/04	12/17/03	12/18/03
W030001207	B17RY2	GPP	11104-28-2	Aroclor-1221	SOIL	LA-523-427	U	< 110	ug/kg	1.00	1.1e+02	01/05/04	12/17/03	12/18/03
W030001207	B17RY2	GPP	11141-16-5	Aroclor-1232	SOIL	LA-523-427	U	< 53.0	ug/kg	1.00	53	01/05/04	12/17/03	12/18/03
W030001207	B17RY2	GPP	53469-21-9	Aroclor-1242	SOIL	LA-523-427	U	< 53.0	ug/kg	1.00	53	01/05/04	12/17/03	12/18/03
W030001207	B17RY2	GPP	12672-29-6	Aroclor-1248	SOIL	LA-523-427	U	< 53.0	ug/kg	1.00	53	01/05/04	12/17/03	12/18/03
W030001207	B17RY2	GPP	11097-69-1	Aroclor-1254	SOIL	LA-523-427	U	< 53.0	ug/kg	1.00	53	01/05/04	12/17/03	12/18/03

MDL=Minimum Detection Limit
RQ=Result Qualifier

B - The Analyte detected in both the BLANK and the SAMPLE (org.)
C - The Analyte was in the Sample and Blank, Sample < = 5 x Blank
J - Analyte is an estimate, has potentially larger errors
B - The analyte < the RDL but > = the IDL/MDL (inorganic)
E - Analyte is an estimate, has potentially larger errors
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: F03-025: F03-025

Group #: WSCF20031680

Sample #	Client ID		CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W030001207	B17RY2	GPP	11096-82-5	Aroclor-1260	SOIL	LA-523-427	U	< 53.0	ug/kg	1.00	53	01/05/04	12/17/03	12/18/03
W030001207	B17RY2	GPP	37324-23-5	Aroclor-1262	SOIL	LA-523-427	U	< 53.0	ug/kg	1.00	53	01/05/04	12/17/03	12/18/03
W030001207	B17RY2	GPP	11100-14-4	Aroclor-1268	SOIL	LA-523-427	U	< 53.0	ug/kg	1.00	53	01/05/04	12/17/03	12/18/03
W030001207	B17RY2	GPP	100-02-7	4-Nitrophenol	SOIL	LA-523-456	U	< 690	ug/kg	1.00	6.9e+02	01/05/04	12/17/03	12/18/03
W030001207	B17RY2	GPP	106-46-7	1,4-Dichlorobenzene	SOIL	LA-523-456	U	< 340	ug/kg	1.00	3.4e+02	01/05/04	12/17/03	12/18/03
W030001207	B17RY2	GPP	108-95-2	Phenol	SOIL	LA-523-456	U	< 110	ug/kg	1.00	1.1e+02	01/05/04	12/17/03	12/18/03
W030001207	B17RY2	GPP	120-82-1	1,2,4-Trichlorobenzene	SOIL	LA-523-456	U	< 310	ug/kg	1.00	3.1e+02	01/05/04	12/17/03	12/18/03
W030001207	B17RY2	GPP	121-14-2	2,4-Dinitrotoluene	SOIL	LA-523-456	U	< 72.0	ug/kg	1.00	72	01/05/04	12/17/03	12/18/03
W030001207	B17RY2	GPP	129-00-0	Pyrene	SOIL	LA-523-456	U	< 72.0	ug/kg	1.00	72	01/05/04	12/17/03	12/18/03
W030001207	B17RY2	GPP	59-50-7	4-Chloro-3-methylphenol	SOIL	LA-523-456	U	< 72.0	ug/kg	1.00	72	01/05/04	12/17/03	12/18/03
W030001207	B17RY2	GPP	621-64-7	N-Nitrosodi-n-dipropylamine	SOIL	LA-523-456	U	< 72.0	ug/kg	1.00	72	01/05/04	12/17/03	12/18/03
W030001207	B17RY2	GPP	83-32-9	Acenaphthene	SOIL	LA-523-456	U	< 72.0	ug/kg	1.00	72	01/05/04	12/17/03	12/18/03
W030001207	B17RY2	GPP	87-86-5	Pentachlorophenol	SOIL	LA-523-456	U	< 320	ug/kg	1.00	3.2e+02	01/05/04	12/17/03	12/18/03
W030001207	B17RY2	GPP	95-57-8	2-Chlorophenol	SOIL	LA-523-456	U	< 160	ug/kg	1.00	1.6e+02	01/05/04	12/17/03	12/18/03
W030001207	B17RY2	GPP	100-01-6	4-Nitroaniline	SOIL	LA-523-456	U	< 260	ug/kg	1.00	2.6e+02	01/05/04	12/17/03	12/18/03
W030001207	B17RY2	GPP	101-55-3	4-Bromophenylphenyl ether	SOIL	LA-523-456	U	< 72.0	ug/kg	1.00	72	01/05/04	12/17/03	12/18/03
W030001207	B17RY2	GPP	105-67-9	2,4-Dimethylphenol	SOIL	LA-523-456	U	< 72.0	ug/kg	1.00	72	01/05/04	12/17/03	12/18/03
W030001207	B17RY2	GPP	106-47-8	4-Chloroaniline	SOIL	LA-523-456	U	< 100	ug/kg	1.00	1.0e+02	01/05/04	12/17/03	12/18/03
W030001207	B17RY2	GPP	108-60-1	Bis(2-chloro-1-methylethyl)eth	SOIL	LA-523-456	U	< 270	ug/kg	1.00	2.7e+02	01/05/04	12/17/03	12/18/03
W030001207	B17RY2	GPP	111-44-4	Bis(2-chloroethyl) ether	SOIL	LA-523-456	U	< 260	ug/kg	1.00	2.6e+02	01/05/04	12/17/03	12/18/03
W030001207	B17RY2	GPP	111-91-1	Bis(2-Chloroethoxy)methane	SOIL	LA-523-456	U	< 120	ug/kg	1.00	1.2e+02	01/05/04	12/17/03	12/18/03
W030001207	B17RY2	GPP	117-81-7	Bis(2-ethylhexyl) phthalate	SOIL	LA-523-456	U	< 600	ug/kg	1.00	6.0e+02	01/05/04	12/17/03	12/18/03
W030001207	B17RY2	GPP	117-84-0	Di-n-octylphthalate	SOIL	LA-523-456	U	< 72.0	ug/kg	1.00	72	01/05/04	12/17/03	12/18/03
W030001207	B17RY2	GPP	118-74-1	Hexachlorobenzene	SOIL	LA-523-456	U	< 72.0	ug/kg	1.00	72	01/05/04	12/17/03	12/18/03
W030001207	B17RY2	GPP	120-12-7	Anthracene	SOIL	LA-523-456	U	< 72.0	ug/kg	1.00	72	01/05/04	12/17/03	12/18/03
W030001207	B17RY2	GPP	120-83-2	2,4-Dichlorophenol	SOIL	LA-523-456	U	< 86.0	ug/kg	1.00	86	01/05/04	12/17/03	12/18/03
W030001207	B17RY2	GPP	131-11-3	Dimethyl phthalate	SOIL	LA-523-456	U	< 72.0	ug/kg	1.00	72	01/05/04	12/17/03	12/18/03

MDL=Minimum Detection Limit
RQ=Result Qualifier

B - The Analyte detected in both the BLANK and the SAMPLE (org.)
C - The Analyte was in the Sample and Blank, Sample < = 5 x Blank
J - Analyte is an estimate, has potentially larger errors
B - The analyte < the RDL but > = the IDL/MDL (inorganic)
E - Analyte is an estimate, has potentially larger errors
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: F03-025: F03-025

Group #: WSCF20031680

Sample #	Client ID		CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W030001207	B17RY2	GPP	132-64-9	Dibenzofuran	SOIL	LA-523-456	U	< 72.0	ug/kg	1.00	72	01/05/04	12/17/03	12/18/03
W030001207	B17RY2	GPP	191-24-2	Benzo(ghi)perylene	SOIL	LA-523-456	U	< 72.0	ug/kg	1.00	72	01/05/04	12/17/03	12/18/03
W030001207	B17RY2	GPP	193-39-5	Indeno(1,2,3-cd)pyrene	SOIL	LA-523-456	U	< 72.0	ug/kg	1.00	72	01/05/04	12/17/03	12/18/03
W030001207	B17RY2	GPP	205-99-2	Benzo(b)fluoranthene	SOIL	LA-523-456	U	< 72.0	ug/kg	1.00	72	01/05/04	12/17/03	12/18/03
W030001207	B17RY2	GPP	206-44-0	Fluoranthene	SOIL	LA-523-456	U	< 72.0	ug/kg	1.00	72	01/05/04	12/17/03	12/18/03
W030001207	B17RY2	GPP	207-08-9	Benzo(k)fluoranthene	SOIL	LA-523-456	U	< 72.0	ug/kg	1.00	72	01/05/04	12/17/03	12/18/03
W030001207	B17RY2	GPP	208-96-8	Acenaphthylene	SOIL	LA-523-456	U	< 86.0	ug/kg	1.00	86	01/05/04	12/17/03	12/18/03
W030001207	B17RY2	GPP	218-01-9	Chrysene	SOIL	LA-523-456	U	< 72.0	ug/kg	1.00	72	01/05/04	12/17/03	12/18/03
W030001207	B17RY2	GPP	50-32-8	Benzo(a)pyrene	SOIL	LA-523-456	U	< 72.0	ug/kg	1.00	72	01/05/04	12/17/03	12/18/03
W030001207	B17RY2	GPP	51-28-5	2,4-Dinitrophenol	SOIL	LA-523-456	U	< 720	ug/kg	1.00	7.2e+02	01/05/04	12/17/03	12/18/03
W030001207	B17RY2	GPP	53-70-3	Dibenz[a,h]anthracene	SOIL	LA-523-456	U	< 72.0	ug/kg	1.00	72	01/05/04	12/17/03	12/18/03
W030001207	B17RY2	GPP	534-52-1	4,6-Dinitro-2-methylphenol	SOIL	LA-523-456	U	< 720	ug/kg	1.00	7.2e+02	01/05/04	12/17/03	12/18/03
W030001207	B17RY2	GPP	541-73-1	1,3-Dichlorobenzene	SOIL	LA-523-456	U	< 340	ug/kg	1.00	3.4e+02	01/05/04	12/17/03	12/18/03
W030001207	B17RY2	GPP	56-55-3	Benzo(a)anthracene	SOIL	LA-523-456	U	< 72.0	ug/kg	1.00	72	01/05/04	12/17/03	12/18/03
W030001207	B17RY2	GPP	606-20-2	2,6-Dinitrotoluene	SOIL	LA-523-456	U	< 72.0	ug/kg	1.00	72	01/05/04	12/17/03	12/18/03
W030001207	B17RY2	GPP	7005-72-3	4-Chlorophenylphenyl ether	SOIL	LA-523-456	U	< 72.0	ug/kg	1.00	72	01/05/04	12/17/03	12/18/03
W030001207	B17RY2	GPP	77-47-4	Hexachlorocyclopentadiene	SOIL	LA-523-456	U	< 340	ug/kg	1.00	3.4e+02	01/05/04	12/17/03	12/18/03
W030001207	B17RY2	GPP	78-59-1	Isophorone	SOIL	LA-523-456	U	< 72.0	ug/kg	1.00	72	01/05/04	12/17/03	12/18/03
W030001207	B17RY2	GPP	84-66-2	Diethylphthalate	SOIL	LA-523-456	BJ	600	ug/kg	1.00	2.0e+02	01/05/04	12/17/03	12/18/03
W030001207	B17RY2	GPP	84-74-2	Di-n-butylphthalate	SOIL	LA-523-456	U	< 93.0	ug/kg	1.00	93	01/05/04	12/17/03	12/18/03
W030001207	B17RY2	GPP	85-01-8	Phenanthrene	SOIL	LA-523-456	U	< 72.0	ug/kg	1.00	72	01/05/04	12/17/03	12/18/03
W030001207	B17RY2	GPP	85-68-7	Butylbenzylphthalate	SOIL	LA-523-456	U	< 72.0	ug/kg	1.00	72	01/05/04	12/17/03	12/18/03
W030001207	B17RY2	GPP	86-30-6	N-Nitrosodiphenylamine	SOIL	LA-523-456	U	< 72.0	ug/kg	1.00	72	01/05/04	12/17/03	12/18/03
W030001207	B17RY2	GPP	86-73-7	Fluorene	SOIL	LA-523-456	U	< 72.0	ug/kg	1.00	72	01/05/04	12/17/03	12/18/03
W030001207	B17RY2	GPP	86-74-8	Carbazole	SOIL	LA-523-456	U	< 86.0	ug/kg	1.00	86	01/05/04	12/17/03	12/18/03
W030001207	B17RY2	GPP	87-68-3	Hexachlorobutadiene	SOIL	LA-523-456	U	< 390	ug/kg	1.00	3.9e+02	01/05/04	12/17/03	12/18/03
W030001207	B17RY2	GPP	88-74-4	2-Nitroaniline	SOIL	LA-523-456	U	< 72.0	ug/kg	1.00	72	01/05/04	12/17/03	12/18/03

MDL=Minimum Detection Limit
RQ=Result Qualifier

B - The Analyte detected in both the BLANK and the SAMPLE (org.)
C - The Analyte was in the Sample and Blank, Sample < = 5 x Blank
J - Analyte is an estimate, has potentially larger errors
B - The analyte < the RDL but > = the IDL/MDL (inorganic)
E - Analyte is an estimate, has potentially larger errors
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: F03-025: F03-025

Group #: WSCF20031680

Sample #	Client ID		CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W030001207	B17RY2	GPP	88-75-5	2-Nitrophenol	SOIL	LA-523-456	U	< 190	ug/kg	1.00	1.9e+02	01/05/04	12/17/03	12/18/03
W030001207	B17RY2	GPP	91-20-3	Naphthalene	SOIL	LA-523-456	U	< 310	ug/kg	1.00	3.1e+02	01/05/04	12/17/03	12/18/03
W030001207	B17RY2	GPP	91-57-6	2-Methylnaphthalene	SOIL	LA-523-456	U	< 190	ug/kg	1.00	1.9e+02	01/05/04	12/17/03	12/18/03
W030001207	B17RY2	GPP	91-58-7	2-Chloronaphthalene	SOIL	LA-523-456	U	< 72.0	ug/kg	1.00	72	01/05/04	12/17/03	12/18/03
W030001207	B17RY2	GPP	91-94-1	3,3'-Dichlorobenzidine	SOIL	LA-523-456	U	< 86.0	ug/kg	1.00	86	01/05/04	12/17/03	12/18/03
W030001207	B17RY2	GPP	95-48-7	2-Methylphenol (cresol, o-)	SOIL	LA-523-456	U	< 72.0	ug/kg	1.00	72	01/05/04	12/17/03	12/18/03
W030001207	B17RY2	GPP	95-50-1	1,2-Dichlorobenzene	SOIL	LA-523-456	U	< 390	ug/kg	1.00	3.9e+02	01/05/04	12/17/03	12/18/03
W030001207	B17RY2	GPP	95-95-4	2,4,5-Trichlorophenol	SOIL	LA-523-456	U	< 79.0	ug/kg	1.00	79	01/05/04	12/17/03	12/18/03
W030001207	B17RY2	GPP	98-95-3	Nitrobenzene	SOIL	LA-523-456	U	< 280	ug/kg	1.00	2.8e+02	01/05/04	12/17/03	12/18/03
W030001207	B17RY2	GPP	99-09-2	3-Nitroaniline	SOIL	LA-523-456	U	< 72.0	ug/kg	1.00	72	01/05/04	12/17/03	12/18/03
W030001207	B17RY2	GPP	65794-96-9	3 & 4 Methylphenol Total	SOIL	LA-523-456	U	< 120	ug/kg	1.00	1.2e+02	01/05/04	12/17/03	12/18/03
W030001207	B17RY2	GPP	67-72-1	Hexachloroethane	SOIL	LA-523-456	U	< 500	ug/kg	1.00	5.0e+02	01/05/04	12/17/03	12/18/03
W030001207	B17RY2	GPP	88-06-2	2,4,6-Trichlorophenol	SOIL	LA-523-456	U	< 72.0	ug/kg	1.00	72	01/05/04	12/17/03	12/18/03
W030001207	B17RY2	GPP	126-73-8	Tributyl phosphate	SOIL	LA-523-456	U	< 72.0	ug/kg	1.00	72	01/05/04	12/17/03	12/18/03
W030001207	B17RY2	GPP	75-35-4	1,1-Dichloroethene	SOIL	LA-523-455	U	< 2.20	ug/kg	1.00	2.2	12/29/03	12/17/03	12/18/03
W030001207	B17RY2	GPP	79-01-6	Trichloroethene	SOIL	LA-523-455	U	< 2.20	ug/kg	1.00	2.2	12/29/03	12/17/03	12/18/03
W030001207	B17RY2	GPP	71-43-2	Benzene	SOIL	LA-523-455	U	< 2.20	ug/kg	1.00	2.2	12/29/03	12/17/03	12/18/03
W030001207	B17RY2	GPP	108-88-3	Toluene	SOIL	LA-523-455	U	< 2.20	ug/kg	1.00	2.2	12/29/03	12/17/03	12/18/03
W030001207	B17RY2	GPP	108-90-7	Chlorobenzene	SOIL	LA-523-455	U	< 2.20	ug/kg	1.00	2.2	12/29/03	12/17/03	12/18/03
W030001207	B17RY2	GPP	75-34-3	1,1-Dichloroethane	SOIL	LA-523-455	U	< 2.20	ug/kg	1.00	2.2	12/29/03	12/17/03	12/18/03
W030001207	B17RY2	GPP	100-41-4	Ethylbenzene	SOIL	LA-523-455	U	< 2.20	ug/kg	1.00	2.2	12/29/03	12/17/03	12/18/03
W030001207	B17RY2	GPP	100-42-5	Styrene	SOIL	LA-523-455	U	< 2.20	ug/kg	1.00	2.2	12/29/03	12/17/03	12/18/03
W030001207	B17RY2	GPP	10061-01-5	cis-1,3-Dichloropropene	SOIL	LA-523-455	U	< 2.20	ug/kg	1.00	2.2	12/29/03	12/17/03	12/18/03
W030001207	B17RY2	GPP	10061-02-6	trans-1,3-Dichloropropene	SOIL	LA-523-455	U	< 2.20	ug/kg	1.00	2.2	12/29/03	12/17/03	12/18/03
W030001207	B17RY2	GPP	107-06-2	1,2-Dichloroethane	SOIL	LA-523-455	U	< 2.20	ug/kg	1.00	2.2	12/29/03	12/17/03	12/18/03
W030001207	B17RY2	GPP	108-10-1	4-Methyl-2-Pentanone	SOIL	LA-523-455	U	< 2.20	ug/kg	1.00	2.2	12/29/03	12/17/03	12/18/03
W030001207	B17RY2	GPP	124-48-1	Dibromochloromethane	SOIL	LA-523-455	U	< 2.20	ug/kg	1.00	2.2	12/29/03	12/17/03	12/18/03

MDL=Minimum Detection Limit
RQ=Result Qualifier

B - The Analyte detected in both the BLANK and the SAMPLE (org.)
C - The Analyte was in the Sample and Blank, Sample < = 5 x Blank
J - Analyte is an estimate, has potentially larger errors
B - The analyte < the RDL but > = the IDL/MDL (inorganic)
E - Analyte is an estimate, has potentially larger errors
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: F03-025: F03-025

Group #: WSCF20031680

Sample #	Client ID		CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W030001207	B17RY2	GPP	127-18-4	Tetrachloroethene	SOIL	LA-523-455	U	< 2.20	ug/kg	1.00	2.2	12/29/03	12/17/03	12/18/03
W030001207	B17RY2	GPP	1330-20-7	Xylenes (total)	SOIL	LA-523-455	U	< 2.20	ug/kg	1.00	2.2	12/29/03	12/17/03	12/18/03
W030001207	B17RY2	GPP	540-59-0	1,2-Dichloroethene(Total)	SOIL	LA-523-455	U	< 2.20	ug/kg	1.00	2.2	12/29/03	12/17/03	12/18/03
W030001207	B17RY2	GPP	56-23-5	Carbon tetrachloride	SOIL	LA-523-455	U	< 2.20	ug/kg	1.00	2.2	12/29/03	12/17/03	12/18/03
W030001207	B17RY2	GPP	591-78-6	2-Hexanone	SOIL	LA-523-455	U	< 2.20	ug/kg	1.00	2.2	12/29/03	12/17/03	12/18/03
W030001207	B17RY2	GPP	67-64-1	Acetone	SOIL	LA-523-455	U	< 4.30	ug/kg	1.00	4.3	12/29/03	12/17/03	12/18/03
W030001207	B17RY2	GPP	67-66-3	Chloroform	SOIL	LA-523-455	U	< 2.20	ug/kg	1.00	2.2	12/29/03	12/17/03	12/18/03
W030001207	B17RY2	GPP	71-55-6	1,1,1-Trichloroethane	SOIL	LA-523-455	U	< 2.20	ug/kg	1.00	2.2	12/29/03	12/17/03	12/18/03
W030001207	B17RY2	GPP	74-83-9	Bromomethane	SOIL	LA-523-455	U	< 2.20	ug/kg	1.00	2.2	12/29/03	12/17/03	12/18/03
W030001207	B17RY2	GPP	74-87-3	Chloromethane	SOIL	LA-523-455	U	< 2.20	ug/kg	1.00	2.2	12/29/03	12/17/03	12/18/03
W030001207	B17RY2	GPP	75-00-3	Chloroethane	SOIL	LA-523-455	U	< 2.20	ug/kg	1.00	2.2	12/29/03	12/17/03	12/18/03
W030001207	B17RY2	GPP	75-01-4	Vinyl chloride	SOIL	LA-523-455	U	< 2.20	ug/kg	1.00	2.2	12/29/03	12/17/03	12/18/03
W030001207	B17RY2	GPP	75-09-2	Methylenechloride	SOIL	LA-523-455	U	< 2.20	ug/kg	1.00	2.2	12/29/03	12/17/03	12/18/03
W030001207	B17RY2	GPP	75-15-0	Carbon disulfide	SOIL	LA-523-455	U	< 2.20	ug/kg	1.00	2.2	12/29/03	12/17/03	12/18/03
W030001207	B17RY2	GPP	75-25-2	Bromoform	SOIL	LA-523-455	U	< 2.20	ug/kg	1.00	2.2	12/29/03	12/17/03	12/18/03
W030001207	B17RY2	GPP	75-27-4	Bromodichloromethane	SOIL	LA-523-455	U	< 2.20	ug/kg	1.00	2.2	12/29/03	12/17/03	12/18/03
W030001207	B17RY2	GPP	78-87-5	1,2-Dichloropropane	SOIL	LA-523-455	U	< 2.20	ug/kg	1.00	2.2	12/29/03	12/17/03	12/18/03
W030001207	B17RY2	GPP	78-93-3	2-Butanone	SOIL	LA-523-455	U	< 2.20	ug/kg	1.00	2.2	12/29/03	12/17/03	12/18/03
W030001207	B17RY2	GPP	79-00-5	1,1,2-Trichloroethane	SOIL	LA-523-455	U	< 2.20	ug/kg	1.00	2.2	12/29/03	12/17/03	12/18/03
W030001207	B17RY2	GPP	79-34-5	1,1,2,2-Tetrachloroethane	SOIL	LA-523-455	U	< 2.20	ug/kg	1.00	2.2	12/29/03	12/17/03	12/18/03
W030001207	B17RY2	GPP	71-36-3	1-Butanol	SOIL	LA-523-455	U	< 22.0	ug/kg	1.00	22	12/29/03	12/17/03	12/18/03
W030001207	B17RY2	GPP	TPHDIESEL	Total Pet. Hydrocarbons Diesel	SOIL	NWTPH	U	< 4.00e+03	ug/kg	1.00	4.0e+03	12/31/03	12/17/03	12/18/03
W030001207	B17RY2	GPP	TPHKEROSENE	Kerosene	SOIL	NWTPH	U	< 4.00e+03	ug/kg	1.00	4.0e+03	12/31/03	12/17/03	12/18/03
W030001208	B17T01	GPP	107-21-1	Ethylene glycol	SOIL	Organics	U	< 5.00e+03	ug/kg	1.00	5.0e+03	12/30/03	12/17/03	12/18/03
W030001208	B17T01	GPP	TPHGASOLINE	Total Pet. Hydrocarbons Gas	SOIL	NWTPH	U	< 250	ug/kg	1.00	2.5e+02	12/30/03	12/17/03	12/18/03
W030001208	B17T01	GPP	12674-11-2	Aroclor-1016	SOIL	LA-523-427	U	< 51.0	ug/kg	1.00	51	01/05/04	12/17/03	12/18/03
W030001208	B17T01	GPP	11104-28-2	Aroclor-1221	SOIL	LA-523-427	U	< 100	ug/kg	1.00	1.0e+02	01/05/04	12/17/03	12/18/03

MDL=Minimum Detection Limit
RQ=Result Qualifier

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

Report WGPP/ver. 1
Ground Water Protection Program

WSCF
ANALYTICAL RESULTS REPORT

Attention: Steve Trent
Project: F03-025: F03-025

Group #: WSCF20031680

Sample #	Client ID		CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W030001208	B17T01	GPP	11141-16-5	Aroclor-1232	SOIL	LA-523-427	U	< 51.0	ug/kg	1.00	51	01/05/04	12/17/03	12/18/03
W030001208	B17T01	GPP	53469-21-9	Aroclor-1242	SOIL	LA-523-427	U	< 51.0	ug/kg	1.00	51	01/05/04	12/17/03	12/18/03
W030001208	B17T01	GPP	12672-29-6	Aroclor-1248	SOIL	LA-523-427	U	< 51.0	ug/kg	1.00	51	01/05/04	12/17/03	12/18/03
W030001208	B17T01	GPP	11097-69-1	Aroclor-1254	SOIL	LA-523-427	U	< 51.0	ug/kg	1.00	51	01/05/04	12/17/03	12/18/03
W030001208	B17T01	GPP	11096-82-5	Aroclor-1260	SOIL	LA-523-427	U	< 51.0	ug/kg	1.00	51	01/05/04	12/17/03	12/18/03
W030001208	B17T01	GPP	37324-23-5	Aroclor-1262	SOIL	LA-523-427	U	< 51.0	ug/kg	1.00	51	01/05/04	12/17/03	12/18/03
W030001208	B17T01	GPP	11100-14-4	Aroclor-1268	SOIL	LA-523-427	U	< 51.0	ug/kg	1.00	51	01/05/04	12/17/03	12/18/03
W030001208	B17T01	GPP	100-02-7	4-Nitrophenol	SOIL	LA-523-456	U	< 670	ug/kg	1.00	6.7e+02	01/05/04	12/17/03	12/18/03
W030001208	B17T01	GPP	106-46-7	1,4-Dichlorobenzene	SOIL	LA-523-456	U	< 330	ug/kg	1.00	3.3e+02	01/05/04	12/17/03	12/18/03
W030001208	B17T01	GPP	108-95-2	Phenol	SOIL	LA-523-456	U	< 100	ug/kg	1.00	1.0e+02	01/05/04	12/17/03	12/18/03
W030001208	B17T01	GPP	120-82-1	1,2,4-Trichlorobenzene	SOIL	LA-523-456	U	< 310	ug/kg	1.00	3.1e+02	01/05/04	12/17/03	12/18/03
W030001208	B17T01	GPP	121-14-2	2,4-Dinitrotoluene	SOIL	LA-523-456	U	< 70.0	ug/kg	1.00	70	01/05/04	12/17/03	12/18/03
W030001208	B17T01	GPP	129-00-0	Pyrene	SOIL	LA-523-456	U	< 70.0	ug/kg	1.00	70	01/05/04	12/17/03	12/18/03
W030001208	B17T01	GPP	59-50-7	4-Chloro-3-methylphenol	SOIL	LA-523-456	U	< 70.0	ug/kg	1.00	70	01/05/04	12/17/03	12/18/03
W030001208	B17T01	GPP	621-64-7	N-Nitrosodi-n-dipropylamine	SOIL	LA-523-456	U	< 70.0	ug/kg	1.00	70	01/05/04	12/17/03	12/18/03
W030001208	B17T01	GPP	83-32-9	Acenaphthene	SOIL	LA-523-456	U	< 70.0	ug/kg	1.00	70	01/05/04	12/17/03	12/18/03
W030001208	B17T01	GPP	87-86-5	Pentachlorophenol	SOIL	LA-523-456	U	< 310	ug/kg	1.00	3.1e+02	01/05/04	12/17/03	12/18/03
W030001208	B17T01	GPP	95-57-8	2-Chlorophenol	SOIL	LA-523-456	U	< 150	ug/kg	1.00	1.5e+02	01/05/04	12/17/03	12/18/03
W030001208	B17T01	GPP	100-01-6	4-Nitroaniline	SOIL	LA-523-456	U	< 260	ug/kg	1.00	2.6e+02	01/05/04	12/17/03	12/18/03
W030001208	B17T01	GPP	101-55-3	4-Bromophenylphenyl ether	SOIL	LA-523-456	U	< 70.0	ug/kg	1.00	70	01/05/04	12/17/03	12/18/03
W030001208	B17T01	GPP	105-67-9	2,4-Dimethylphenol	SOIL	LA-523-456	U	< 70.0	ug/kg	1.00	70	01/05/04	12/17/03	12/18/03
W030001208	B17T01	GPP	106-47-8	4-Chloroaniline	SOIL	LA-523-456	U	< 97.0	ug/kg	1.00	97	01/05/04	12/17/03	12/18/03
W030001208	B17T01	GPP	108-60-1	Bis(2-chloro-1-methylethyl)eth	SOIL	LA-523-456	U	< 260	ug/kg	1.00	2.6e+02	01/05/04	12/17/03	12/18/03
W030001208	B17T01	GPP	111-44-4	Bis(2-chloroethyl) ether	SOIL	LA-523-456	U	< 260	ug/kg	1.00	2.6e+02	01/05/04	12/17/03	12/18/03
W030001208	B17T01	GPP	111-91-1	Bis(2-Chloroethoxy)methane	SOIL	LA-523-456	U	< 120	ug/kg	1.00	1.2e+02	01/05/04	12/17/03	12/18/03
W030001208	B17T01	GPP	117-81-7	Bis(2-ethylhexyl) phthalate	SOIL	LA-523-456	U	< 580	ug/kg	1.00	5.8e+02	01/05/04	12/17/03	12/18/03
W030001208	B17T01	GPP	117-84-0	Di-n-octylphthalate	SOIL	LA-523-456	U	< 70.0	ug/kg	1.00	70	01/05/04	12/17/03	12/18/03

MDL=Minimum Detection Limit
RQ=Result Qualifier

B - The Analyte detected in both the BLANK and the SAMPLE (org.)
C - The Analyte was in the Sample and Blank, Sample < = 5 x Blank
J - Analyte is an estimate, has potentially larger errors
B - The analyte < the RDL but > = the IDL/MDL (Inorganic)
E - Analyte is an estimate, has potentially larger errors
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: F03-025: F03-025

Group #: WSCF20031680

Sample #	Client ID		CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W030001208	B17T01	GPP	118-74-1	Hexachlorobenzene	SOIL	LA-523-456	U	< 70.0	ug/kg	1.00	70	01/05/04	12/17/03	12/18/03
W030001208	B17T01	GPP	120-12-7	Anthracene	SOIL	LA-523-456	U	< 70.0	ug/kg	1.00	70	01/05/04	12/17/03	12/18/03
W030001208	B17T01	GPP	120-83-2	2,4-Dichlorophenol	SOIL	LA-523-456	U	< 83.0	ug/kg	1.00	83	01/05/04	12/17/03	12/18/03
W030001208	B17T01	GPP	131-11-3	Dimethyl phthalate	SOIL	LA-523-456	U	< 70.0	ug/kg	1.00	70	01/05/04	12/17/03	12/18/03
W030001208	B17T01	GPP	132-64-9	Dibenzofuran	SOIL	LA-523-456	U	< 70.0	ug/kg	1.00	70	01/05/04	12/17/03	12/18/03
W030001208	B17T01	GPP	191-24-2	Benzo(ghi)perylene	SOIL	LA-523-456	U	< 70.0	ug/kg	1.00	70	01/05/04	12/17/03	12/18/03
W030001208	B17T01	GPP	193-39-5	Indeno(1,2,3-cd)pyrene	SOIL	LA-523-456	U	< 70.0	ug/kg	1.00	70	01/05/04	12/17/03	12/18/03
W030001208	B17T01	GPP	205-99-2	Benzo(b)fluoranthene	SOIL	LA-523-456	U	< 70.0	ug/kg	1.00	70	01/05/04	12/17/03	12/18/03
W030001208	B17T01	GPP	206-44-0	Fluoranthene	SOIL	LA-523-456	U	< 70.0	ug/kg	1.00	70	01/05/04	12/17/03	12/18/03
W030001208	B17T01	GPP	207-08-9	Benzo(k)fluoranthene	SOIL	LA-523-456	U	< 70.0	ug/kg	1.00	70	01/05/04	12/17/03	12/18/03
W030001208	B17T01	GPP	208-96-8	Acenaphthylene	SOIL	LA-523-456	U	< 83.0	ug/kg	1.00	83	01/05/04	12/17/03	12/18/03
W030001208	B17T01	GPP	218-01-9	Chrysene	SOIL	LA-523-456	U	< 70.0	ug/kg	1.00	70	01/05/04	12/17/03	12/18/03
W030001208	B17T01	GPP	50-32-8	Benzo(a)pyrene	SOIL	LA-523-456	U	< 70.0	ug/kg	1.00	70	01/05/04	12/17/03	12/18/03
W030001208	B17T01	GPP	51-28-5	2,4-Dinitrophenol	SOIL	LA-523-456	U	< 700	ug/kg	1.00	7.0e+02	01/05/04	12/17/03	12/18/03
W030001208	B17T01	GPP	53-70-3	Dibenz[a,h]anthracene	SOIL	LA-523-456	U	< 70.0	ug/kg	1.00	70	01/05/04	12/17/03	12/18/03
W030001208	B17T01	GPP	534-52-1	4,6-Dinitro-2-methylphenol	SOIL	LA-523-456	U	< 700	ug/kg	1.00	7.0e+02	01/05/04	12/17/03	12/18/03
W030001208	B17T01	GPP	541-73-1	1,3-Dichlorobenzene	SOIL	LA-523-456	U	< 330	ug/kg	1.00	3.3e+02	01/05/04	12/17/03	12/18/03
W030001208	B17T01	GPP	56-55-3	Benzo(a)anthracene	SOIL	LA-523-456	U	< 70.0	ug/kg	1.00	70	01/05/04	12/17/03	12/18/03
W030001208	B17T01	GPP	606-20-2	2,6-Dinitrotoluene	SOIL	LA-523-456	U	< 70.0	ug/kg	1.00	70	01/05/04	12/17/03	12/18/03
W030001208	B17T01	GPP	7005-72-3	4-Chlorophenylphenyl ether	SOIL	LA-523-456	U	< 70.0	ug/kg	1.00	70	01/05/04	12/17/03	12/18/03
W030001208	B17T01	GPP	77-47-4	Hexachlorocyclopentadiene	SOIL	LA-523-456	U	< 330	ug/kg	1.00	3.3e+02	01/05/04	12/17/03	12/18/03
W030001208	B17T01	GPP	78-59-1	Isophorone	SOIL	LA-523-456	U	< 70.0	ug/kg	1.00	70	01/05/04	12/17/03	12/18/03
W030001208	B17T01	GPP	84-66-2	Diethylphthalate	SOIL	LA-523-456	BJ	380	ug/kg	1.00	1.9e+02	01/05/04	12/17/03	12/18/03
W030001208	B17T01	GPP	84-74-2	Di-n-butylphthalate	SOIL	LA-523-456	U	< 90.0	ug/kg	1.00	90	01/05/04	12/17/03	12/18/03
W030001208	B17T01	GPP	85-01-8	Phenanthrene	SOIL	LA-523-456	U	< 70.0	ug/kg	1.00	70	01/05/04	12/17/03	12/18/03
W030001208	B17T01	GPP	85-68-7	Butylbenzylphthalate	SOIL	LA-523-456	U	< 70.0	ug/kg	1.00	70	01/05/04	12/17/03	12/18/03
W030001208	B17T01	GPP	86-30-6	N-Nitrosodiphenylamine	SOIL	LA-523-456	U	< 70.0	ug/kg	1.00	70	01/05/04	12/17/03	12/18/03

MDL=Minimum Detection Limit
RQ=Result Qualifier

B - The Analyte detected in both the BLANK and the SAMPLE (org.)
C - The Analyte was in the Sample and Blank, Sample < = 5 x Blank
J - Analyte is an estimate, has potentially larger errors
B - The analyte < the RDL but > = the IDL/MDL (inorganic)
E - Analyte is an estimate, has potentially larger errors
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: F03-025: F03-025

Group #: WSCF20031680

Sample #	Client ID		CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W030001208	B17T01	GPP	86-73-7	Fluorene	SOIL	LA-523-456	U	< 70.0	ug/kg	1.00	70	01/05/04	12/17/03	12/18/03
W030001208	B17T01	GPP	86-74-8	Carbazole	SOIL	LA-523-456	U	< 83.0	ug/kg	1.00	83	01/05/04	12/17/03	12/18/03
W030001208	B17T01	GPP	87-68-3	Hexachlorobutadiene	SOIL	LA-523-456	U	< 380	ug/kg	1.00	3.8e+02	01/05/04	12/17/03	12/18/03
W030001208	B17T01	GPP	88-74-4	2-Nitroaniline	SOIL	LA-523-456	U	< 70.0	ug/kg	1.00	70	01/05/04	12/17/03	12/18/03
W030001208	B17T01	GPP	88-75-5	2-Nitrophenol	SOIL	LA-523-456	U	< 180	ug/kg	1.00	1.8e+02	01/05/04	12/17/03	12/18/03
W030001208	B17T01	GPP	91-20-3	Naphthalene	SOIL	LA-523-456	U	< 300	ug/kg	1.00	3.0e+02	01/05/04	12/17/03	12/18/03
W030001208	B17T01	GPP	91-57-6	2-Methylnaphthalene	SOIL	LA-523-456	U	< 190	ug/kg	1.00	1.9e+02	01/05/04	12/17/03	12/18/03
W030001208	B17T01	GPP	91-58-7	2-Chloronaphthalene	SOIL	LA-523-456	U	< 70.0	ug/kg	1.00	70	01/05/04	12/17/03	12/18/03
W030001208	B17T01	GPP	91-94-1	3,3'-Dichlorobenzidine	SOIL	LA-523-456	U	< 83.0	ug/kg	1.00	83	01/05/04	12/17/03	12/18/03
W030001208	B17T01	GPP	95-48-7	2-Methylphenol (cresol, o-)	SOIL	LA-523-456	U	< 70.0	ug/kg	1.00	70	01/05/04	12/17/03	12/18/03
W030001208	B17T01	GPP	95-50-1	1,2-Dichlorobenzene	SOIL	LA-523-456	U	< 380	ug/kg	1.00	3.8e+02	01/05/04	12/17/03	12/18/03
W030001208	B17T01	GPP	95-95-4	2,4,5-Trichlorophenol	SOIL	LA-523-456	U	< 76.0	ug/kg	1.00	76	01/05/04	12/17/03	12/18/03
W030001208	B17T01	GPP	98-95-3	Nitrobenzene	SOIL	LA-523-456	U	< 270	ug/kg	1.00	2.7e+02	01/05/04	12/17/03	12/18/03
W030001208	B17T01	GPP	99-09-2	3-Nitroaniline	SOIL	LA-523-456	U	< 70.0	ug/kg	1.00	70	01/05/04	12/17/03	12/18/03
W030001208	B17T01	GPP	65794-96-9	3 & 4 Methylphenol Total	SOIL	LA-523-456	U	< 120	ug/kg	1.00	1.2e+02	01/05/04	12/17/03	12/18/03
W030001208	B17T01	GPP	67-72-1	Hexachloroethane	SOIL	LA-523-456	U	< 490	ug/kg	1.00	4.9e+02	01/05/04	12/17/03	12/18/03
W030001208	B17T01	GPP	88-06-2	2,4,6-Trichlorophenol	SOIL	LA-523-456	U	< 70.0	ug/kg	1.00	70	01/05/04	12/17/03	12/18/03
W030001208	B17T01	GPP	126-73-8	Tributyl phosphate	SOIL	LA-523-456	U	< 70.0	ug/kg	1.00	70	01/05/04	12/17/03	12/18/03
W030001208	B17T01	GPP	75-35-4	1,1-Dichloroethene	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	12/29/03	12/17/03	12/18/03
W030001208	B17T01	GPP	79-01-6	Trichloroethene	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	12/29/03	12/17/03	12/18/03
W030001208	B17T01	GPP	71-43-2	Benzene	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	12/29/03	12/17/03	12/18/03
W030001208	B17T01	GPP	108-88-3	Toluene	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	12/29/03	12/17/03	12/18/03
W030001208	B17T01	GPP	108-90-7	Chlorobenzene	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	12/29/03	12/17/03	12/18/03
W030001208	B17T01	GPP	75-34-3	1,1-Dichloroethane	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	12/29/03	12/17/03	12/18/03
W030001208	B17T01	GPP	100-41-4	Ethylbenzene	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	12/29/03	12/17/03	12/18/03
W030001208	B17T01	GPP	100-42-5	Styrene	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	12/29/03	12/17/03	12/18/03
W030001208	B17T01	GPP	10061-01-5	cis-1,3-Dichloropropene	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	12/29/03	12/17/03	12/18/03

MDL=Minimum Detection Limit
RQ=Result Qualifier

B - The Analyte detected in both the BLANK and the SAMPLE (org.)
C - The Analyte was in the Sample and Blank, Sample < = 5 x Blank
J - Analyte is an estimate, has potentially larger errors
B - The analyte < the RDL but > = the IDL/MDL (inorganic)
E - Analyte is an estimate, has potentially larger errors
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: F03-025: F03-025

Group #: WSCF20031680

Sample #	Client ID		CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W030001208	B17T01	GPP	10061-02-6	trans-1,3-Dichloropropene	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	12/29/03	12/17/03	12/18/03
W030001208	B17T01	GPP	107-06-2	1,2-Dichloroethane	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	12/29/03	12/17/03	12/18/03
W030001208	B17T01	GPP	108-10-1	4-Methyl-2-Pentanone	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	12/29/03	12/17/03	12/18/03
W030001208	B17T01	GPP	124-48-1	Dibromochloromethane	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	12/29/03	12/17/03	12/18/03
W030001208	B17T01	GPP	127-18-4	Tetrachloroethene	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	12/29/03	12/17/03	12/18/03
W030001208	B17T01	GPP	1330-20-7	Xylenes (total)	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	12/29/03	12/17/03	12/18/03
W030001208	B17T01	GPP	540-59-0	1,2-Dichloroethene(Total)	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	12/29/03	12/17/03	12/18/03
W030001208	B17T01	GPP	56-23-5	Carbon tetrachloride	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	12/29/03	12/17/03	12/18/03
W030001208	B17T01	GPP	591-78-6	2-Hexanone	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	12/29/03	12/17/03	12/18/03
W030001208	B17T01	GPP	67-64-1	Acetone	SOIL	LA-523-455	U	< 4.20	ug/kg	1.00	4.2	12/29/03	12/17/03	12/18/03
W030001208	B17T01	GPP	67-66-3	Chloroform	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	12/29/03	12/17/03	12/18/03
W030001208	B17T01	GPP	71-55-6	1,1,1-Trichloroethane	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	12/29/03	12/17/03	12/18/03
W030001208	B17T01	GPP	74-83-9	Bromomethane	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	12/29/03	12/17/03	12/18/03
W030001208	B17T01	GPP	74-87-3	Chloromethane	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	12/29/03	12/17/03	12/18/03
W030001208	B17T01	GPP	75-00-3	Chloroethane	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	12/29/03	12/17/03	12/18/03
W030001208	B17T01	GPP	75-01-4	Vinyl chloride	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	12/29/03	12/17/03	12/18/03
W030001208	B17T01	GPP	75-09-2	Methylenechloride	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	12/29/03	12/17/03	12/18/03
W030001208	B17T01	GPP	75-15-0	Carbon disulfide	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	12/29/03	12/17/03	12/18/03
W030001208	B17T01	GPP	75-25-2	Bromoform	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	12/29/03	12/17/03	12/18/03
W030001208	B17T01	GPP	75-27-4	Bromodichloromethane	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	12/29/03	12/17/03	12/18/03
W030001208	B17T01	GPP	78-87-5	1,2-Dichloropropane	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	12/29/03	12/17/03	12/18/03
W030001208	B17T01	GPP	78-93-3	2-Butanone	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	12/29/03	12/17/03	12/18/03
W030001208	B17T01	GPP	79-00-5	1,1,2-Trichloroethane	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	12/29/03	12/17/03	12/18/03
W030001208	B17T01	GPP	79-34-5	1,1,2,2-Tetrachloroethane	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	12/29/03	12/17/03	12/18/03
W030001208	B17T01	GPP	71-36-3	1-Butanol	SOIL	LA-523-455	U	< 21.0	ug/kg	1.00	21	12/29/03	12/17/03	12/18/03
W030001208	B17T01	GPP	TPHDIESEL	Total Pet. Hydrocarbons Diesel	SOIL	NWTPH	U	< 3.90e+03	ug/kg	1.00	3.9e+03	12/31/03	12/17/03	12/18/03
W030001208	B17T01	GPP	TPHKEROSENE	Kerosene	SOIL	NWTPH	U	< 3.90e+03	ug/kg	1.00	3.9e+03	12/31/03	12/17/03	12/18/03

MDL=Minimum Detection Limit
RQ=Result Qualifier

B - The Analyte detected in both the BLANK and the SAMPLE (org.)
C - The Analyte was in the Sample and Blank, Sample <= 5 x Blank
J - Analyte is an estimate, has potentially larger errors
B - The analyte < the RDL but >= the IDL/MDL (inorganic)
E - Analyte is an estimate, has potentially larger errors
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: F03-025: F03-025

Group #: WSCF20031680

Sample #	Client ID	CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive

MDL=Minimum Detection Limit
RQ=Result Qualifier

B - The Analyte detected in both the BLANK and the SAMPLE (org.)
C - The Analyte was in the Sample and Blank, Sample < = 5 x Blank
J - Analyte is an estimate, has potentially larger errors

B - The analyte < the RDL but > = the IDL/MDL (inorganic)
E - Analyte is an estimate, has potentially larger errors
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: F03-025: F03-025

Group #: WSCF20031680

Sample #	Client ID		CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
Inorganic														
W030001203	B17RX1	GPP	57-12-5	Cyanide	SOIL	LA-695-402	U	< 0.200	mg/kg	1.00	0.20	12/31/03	12/17/03	12/18/03
W030001203	B17RX1	GPP	NH4-N	Nitrogen in ammonium	SOIL	LA-503-401	BE	0.343	mg/kg	49.00	0.20	12/30/03	12/17/03	12/18/03
W030001203	B17RX1	GPP	TS	Total solids	SOIL	LA-519-412		86.5	%	1.00	0.0	12/31/03	12/17/03	12/18/03
W030001203	B17RX1	GPP	PH	pH Measurement	SOIL	LA-212-411		9.31	pH	1.00	0.010	12/31/03	12/17/03	12/18/03
W030001203	B17RX1	GPP	16984-48-8	Fluoride	SOIL	LA-533-410	B	2.74	mg/kg	49.00	1.1	12/30/03	12/17/03	12/18/03
W030001203	B17RX1	GPP	16887-00-6	Chloride	SOIL	LA-533-410	B	4.64	mg/kg	49.00	2.5	12/30/03	12/17/03	12/18/03
W030001203	B17RX1	GPP	NO2-N	Nitrogen in Nitrite	SOIL	LA-533-410	U	< 0.931	mg/kg	49.00	0.93	12/30/03	12/17/03	12/18/03
W030001203	B17RX1	GPP	NO3-N	Nitrogen in Nitrate	SOIL	LA-533-410		9.06	mg/kg	49.00	0.64	12/30/03	12/17/03	12/18/03
W030001203	B17RX1	GPP	14265-44-2	Phosphate	SOIL	LA-533-410	U	< 2.65	mg/kg	49.00	2.6	12/30/03	12/17/03	12/18/03
W030001203	B17RX1	GPP	14808-79-8	Sulfate	SOIL	LA-533-410	B	11.2	mg/kg	49.00	4.9	12/30/03	12/17/03	12/18/03
W030001203	B17RX1	GPP	7440-42-8	Boron	SOIL	LA-505-411	U	< 5.01	mg/kg	1.00	5.0	01/08/04	12/17/03	12/18/03
W030001203	B17RX1	GPP	7440-69-9	Bismuth	SOIL	LA-505-411	U	< 4.91	mg/kg	1.00	4.9	01/08/04	12/17/03	12/18/03
W030001203	B17RX1	GPP	7440-36-0	Antimony	SOIL	LA-505-412	U	< 4.97	mg/kg	9.94	5.0	01/08/04	12/17/03	12/18/03
W030001203	B17RX1	GPP	7440-38-2	Arsenic	SOIL	LA-505-412		8.81	mg/kg	9.94	3.0	01/08/04	12/17/03	12/18/03
W030001203	B17RX1	GPP	7440-39-3	Barium	SOIL	LA-505-412		86.6	mg/kg	9.94	2.0	01/08/04	12/17/03	12/18/03
W030001203	B17RX1	GPP	7440-41-7	Beryllium	SOIL	LA-505-412	U	< 2.98	mg/kg	9.94	3.0	01/08/04	12/17/03	12/18/03
W030001203	B17RX1	GPP	7440-43-9	Cadmium	SOIL	LA-505-412	U	< 0.994	mg/kg	9.94	0.99	01/08/04	12/17/03	12/18/03
W030001203	B17RX1	GPP	7440-47-3	Chromium	SOIL	LA-505-412		4.81	mg/kg	9.94	3.0	01/08/04	12/17/03	12/18/03
W030001203	B17RX1	GPP	7440-50-8	Copper	SOIL	LA-505-412	U	< 4.97	mg/kg	9.94	5.0	01/08/04	12/17/03	12/18/03
W030001203	B17RX1	GPP	7439-92-1	Lead	SOIL	LA-505-412	U	< 11.9	mg/kg	9.94	12	01/08/04	12/17/03	12/18/03
W030001203	B17RX1	GPP	7440-02-0	Nickel	SOIL	LA-505-412		10.8	mg/kg	9.94	5.0	01/08/04	12/17/03	12/18/03
W030001203	B17RX1	GPP	7782-49-2	Selenium	SOIL	LA-505-412		4.36	mg/kg	9.94	3.0	01/08/04	12/17/03	12/18/03
W030001203	B17RX1	GPP	7440-22-4	Silver	SOIL	LA-505-412	U	< 1.99	mg/kg	9.94	2.0	01/08/04	12/17/03	12/18/03
W030001203	B17RX1	GPP	7440-61-1	Uranium	SOIL	LA-505-412	U	< 0.994	mg/kg	9.94	0.99	01/08/04	12/17/03	12/18/03
W030001203	B17RX1	GPP	7439-97-6	Mercury	SOIL	LA-505-412	U	< 0.994	mg/kg	9.94	0.99	01/08/04	12/17/03	12/18/03
W030001204	B17RX5	GPP	57-12-5	Cyanide	SOIL	LA-695-402		0.260	mg/kg	1.00	0.20	12/31/03	12/17/03	12/18/03

MDL=Minimum Detection Limit
RQ=Result Qualifier

B - The Analyte detected in both the BLANK and the SAMPLE (org.)
C - The Analyte was in the Sample and Blank, Sample < = 5 x Blank
J - Analyte is an estimate, has potentially larger errors
B - The analyte < the RDL but > = the IDL/MDL (inorganic)
E - Analyte is an estimate, has potentially larger errors
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: F03-025: F03-025

Group #: WSCF20031680

Sample #	Client ID		CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W030001204	B17RX5	GPP	NH4-N	Nitrogen in ammonium	SOIL	LA-503-401	U	< 0.200	mg/kg	50.00	0.20	12/30/03	12/17/03	12/18/03
W030001204	B17RX5	GPP	TS	Total solids	SOIL	LA-519-412		96.5	%	1.00	0.0	12/31/03	12/17/03	12/18/03
W030001204	B17RX5	GPP	PH	pH Measurement	SOIL	LA-212-411		10.2	pH	1.00	0.010	12/31/03	12/17/03	12/18/03
W030001204	B17RX5	GPP	16984-48-8	Fluoride	SOIL	LA-533-410	U	< 1.15	mg/kg	50.00	1.2	12/30/03	12/17/03	12/18/03
W030001204	B17RX5	GPP	16887-00-6	Chloride	SOIL	LA-533-410	U	< 2.60	mg/kg	50.00	2.6	12/30/03	12/17/03	12/18/03
W030001204	B17RX5	GPP	NO2-N	Nitrogen in Nitrite	SOIL	LA-533-410	U	< 0.950	mg/kg	50.00	0.95	12/30/03	12/17/03	12/18/03
W030001204	B17RX5	GPP	NO3-N	Nitrogen in Nitrate	SOIL	LA-533-410	B	1.84	mg/kg	50.00	0.65	12/30/03	12/17/03	12/18/03
W030001204	B17RX5	GPP	14265-44-2	Phosphate	SOIL	LA-533-410	U	< 2.70	mg/kg	50.00	2.7	12/30/03	12/17/03	12/18/03
W030001204	B17RX5	GPP	14808-79-8	Sulfate	SOIL	LA-533-410	U	< 5.00	mg/kg	50.00	5.0	12/30/03	12/17/03	12/18/03
W030001204	B17RX5	GPP	7440-69-9	Bismuth	SOIL	LA-505-411	U	< 4.98	mg/kg	1.00	5.0	01/08/04	12/17/03	12/18/03
W030001204	B17RX5	GPP	7440-36-0	Antimony	SOIL	LA-505-412	U	< 4.95	mg/kg	9.90	5.0	01/08/04	12/17/03	12/18/03
W030001204	B17RX5	GPP	7440-38-2	Arsenic	SOIL	LA-505-412	C	6.52	mg/kg	9.90	3.0	01/08/04	12/17/03	12/18/03
W030001204	B17RX5	GPP	7440-39-3	Barium	SOIL	LA-505-412		59.4	mg/kg	9.90	2.0	01/08/04	12/17/03	12/18/03
W030001204	B17RX5	GPP	7440-41-7	Beryllium	SOIL	LA-505-412	U	< 2.97	mg/kg	9.90	3.0	01/08/04	12/17/03	12/18/03
W030001204	B17RX5	GPP	7440-43-9	Cadmium	SOIL	LA-505-412	U	< 0.990	mg/kg	9.90	0.99	01/08/04	12/17/03	12/18/03
W030001204	B17RX5	GPP	7440-47-3	Chromium	SOIL	LA-505-412	U	< 2.97	mg/kg	9.90	3.0	01/08/04	12/17/03	12/18/03
W030001204	B17RX5	GPP	7440-50-8	Copper	SOIL	LA-505-412	U	< 4.95	mg/kg	9.90	5.0	01/08/04	12/17/03	12/18/03
W030001204	B17RX5	GPP	7439-92-1	Lead	SOIL	LA-505-412	U	< 11.9	mg/kg	9.90	12	01/08/04	12/17/03	12/18/03
W030001204	B17RX5	GPP	7440-02-0	Nickel	SOIL	LA-505-412		6.34	mg/kg	9.90	5.0	01/08/04	12/17/03	12/18/03
W030001204	B17RX5	GPP	7782-49-2	Selenium	SOIL	LA-505-412		6.54	mg/kg	9.90	3.0	01/08/04	12/17/03	12/18/03
W030001204	B17RX5	GPP	7440-22-4	Silver	SOIL	LA-505-412	U	< 1.98	mg/kg	9.90	2.0	01/08/04	12/17/03	12/18/03
W030001204	B17RX5	GPP	7440-61-1	Uranium	SOIL	LA-505-412	U	< 0.990	mg/kg	9.90	0.99	01/08/04	12/17/03	12/18/03
W030001204	B17RX5	GPP	7439-97-6	Mercury	SOIL	LA-505-412	U	< 0.990	mg/kg	9.90	0.99	01/08/04	12/17/03	12/18/03
W030001205	B17RV4	GPP	57-12-5	Cyanide	SOIL	LA-695-402	U	< 0.200	mg/kg	1.00	0.20	12/31/03	12/17/03	12/18/03
W030001205	B17RV4	GPP	NH4-N	Nitrogen in ammonium	SOIL	LA-503-401	U	< 0.200	mg/kg	50.00	0.20	12/30/03	12/17/03	12/18/03
W030001205	B17RV4	GPP	TS	Total solids	SOIL	LA-519-412		94.6	%	1.00	0.0	12/31/03	12/17/03	12/18/03
W030001205	B17RV4	GPP	PH	pH Measurement	SOIL	LA-212-411		8.42	pH	1.00	0.010	12/31/03	12/17/03	12/18/03

MDL=Minimum Detection Limit
RQ=Result Qualifier

B - The Analyte detected in both the BLANK and the SAMPLE (org.)
C - The Analyte was in the Sample and Blank, Sample < = 5 x Blank
J - Analyte is an estimate, has potentially larger errors
B - The analyte < the RDL but > = the IDL/MDL (inorganic)
E - Analyte is an estimate, has potentially larger errors
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: F03-025: F03-025

Group #: WSCF20031680

Sample #	Client ID		CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W030001205	B17RV4	GPP	16984-48-8	Fluoride	SOIL	LA-533-410	U	< 1.15	mg/kg	50.00	1.2	12/30/03	12/17/03	12/18/03
W030001205	B17RV4	GPP	16887-00-6	Chloride	SOIL	LA-533-410		36.3	mg/kg	50.00	2.6	12/30/03	12/17/03	12/18/03
W030001205	B17RV4	GPP	NO2-N	Nitrogen in Nitrite	SOIL	LA-533-410	U	< 0.950	mg/kg	50.00	0.95	12/30/03	12/17/03	12/18/03
W030001205	B17RV4	GPP	NO3-N	Nitrogen in Nitrate	SOIL	LA-533-410		47.0	mg/kg	50.00	0.65	12/30/03	12/17/03	12/18/03
W030001205	B17RV4	GPP	14265-44-2	Phosphate	SOIL	LA-533-410	U	< 2.70	mg/kg	50.00	2.7	12/30/03	12/17/03	12/18/03
W030001205	B17RV4	GPP	14808-79-8	Sulfate	SOIL	LA-533-410	B	32.9	mg/kg	50.00	5.0	12/30/03	12/17/03	12/18/03
W030001205	B17RV4	GPP	7440-69-9	Bismuth	SOIL	LA-505-411	U	< 4.96	mg/kg	1.00	5.0	01/08/04	12/17/03	12/18/03
W030001205	B17RV4	GPP	7440-36-0	Antimony	SOIL	LA-505-412	U	< 4.97	mg/kg	9.94	5.0	01/08/04	12/17/03	12/18/03
W030001205	B17RV4	GPP	7440-38-2	Arsenic	SOIL	LA-505-412		8.90	mg/kg	9.94	3.0	01/08/04	12/17/03	12/18/03
W030001205	B17RV4	GPP	7440-39-3	Barium	SOIL	LA-505-412		96.2	mg/kg	9.94	2.0	01/08/04	12/17/03	12/18/03
W030001205	B17RV4	GPP	7440-41-7	Beryllium	SOIL	LA-505-412	U	< 2.98	mg/kg	9.94	3.0	01/08/04	12/17/03	12/18/03
W030001205	B17RV4	GPP	7440-43-9	Cadmium	SOIL	LA-505-412	U	< 0.994	mg/kg	9.94	0.99	01/08/04	12/17/03	12/18/03
W030001205	B17RV4	GPP	7440-47-3	Chromium	SOIL	LA-505-412		3.42	mg/kg	9.94	3.0	01/08/04	12/17/03	12/18/03
W030001205	B17RV4	GPP	7440-50-8	Copper	SOIL	LA-505-412	U	< 4.97	mg/kg	9.94	5.0	01/08/04	12/17/03	12/18/03
W030001205	B17RV4	GPP	7439-92-1	Lead	SOIL	LA-505-412	U	< 11.9	mg/kg	9.94	12	01/08/04	12/17/03	12/18/03
W030001205	B17RV4	GPP	7440-02-0	Nickel	SOIL	LA-505-412		8.72	mg/kg	9.94	5.0	01/08/04	12/17/03	12/18/03
W030001205	B17RV4	GPP	7782-49-2	Selenium	SOIL	LA-505-412		4.68	mg/kg	9.94	3.0	01/08/04	12/17/03	12/18/03
W030001205	B17RV4	GPP	7440-22-4	Silver	SOIL	LA-505-412	U	< 1.99	mg/kg	9.94	2.0	01/08/04	12/17/03	12/18/03
W030001205	B17RV4	GPP	7440-61-1	Uranium	SOIL	LA-505-412	U	< 0.994	mg/kg	9.94	0.99	01/08/04	12/17/03	12/18/03
W030001205	B17RV4	GPP	7439-97-6	Mercury	SOIL	LA-505-412	U	< 0.994	mg/kg	9.94	0.99	01/08/04	12/17/03	12/18/03
W030001206	B17RX9	GPP	57-12-5	Cyanide	SOIL	LA-695-402	U	< 0.200	mg/kg	1.00	0.20	12/31/03	12/17/03	12/18/03
W030001206	B17RX9	GPP	NH4-N	Nitrogen in ammonium	SOIL	LA-503-401	U	< 0.200	mg/kg	50.00	0.20	12/30/03	12/17/03	12/18/03
W030001206	B17RX9	GPP	TS	Total solids	SOIL	LA-519-412		94.3	%	1.00	0.0	12/31/03	12/17/03	12/18/03
W030001206	B17RX9	GPP	PH	pH Measurement	SOIL	LA-212-411		10.0	pH	1.00	0.010	12/31/03	12/17/03	12/18/03
W030001206	B17RX9	GPP	16984-48-8	Fluoride	SOIL	LA-533-410	U	< 1.15	mg/kg	50.00	1.2	12/30/03	12/17/03	12/18/03
W030001206	B17RX9	GPP	16887-00-6	Chloride	SOIL	LA-533-410	B	3.31	mg/kg	50.00	2.6	12/30/03	12/17/03	12/18/03
W030001206	B17RX9	GPP	NO2-N	Nitrogen in Nitrite	SOIL	LA-533-410	U	< 0.950	mg/kg	50.00	0.95	12/30/03	12/17/03	12/18/03

MDL=Minimum Detection Limit
RQ=Result Qualifier

B - The Analyte detected in both the BLANK and the SAMPLE (org.)
C - The Analyte was in the Sample and Blank, Sample < = 5 x Blank
J - Analyte is an estimate, has potentially larger errors
B - The analyte < the RDL but > = the IDL/MDL (inorganic)
E - Analyte is an estimate, has potentially larger errors
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: F03-025: F03-025

Group #: WSCF20031680

Sample #	Client ID		CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W030001206	B17RX9	GPP	NO3-N	Nitrogen in Nitrate	SOIL	LA-533-410	B	2.90	mg/kg	50.00	0.65	12/30/03	12/17/03	12/18/03
W030001206	B17RX9	GPP	14265-44-2	Phosphate	SOIL	LA-533-410	U	< 2.70	mg/kg	50.00	2.7	12/30/03	12/17/03	12/18/03
W030001206	B17RX9	GPP	14808-79-8	Sulfate	SOIL	LA-533-410	B	10.4	mg/kg	50.00	5.0	12/30/03	12/17/03	12/18/03
W030001206	B17RX9	GPP	7440-69-9	Bismuth	SOIL	LA-505-411	U	< 4.98	mg/kg	1.00	5.0	01/08/04	12/17/03	12/18/03
W030001206	B17RX9	GPP	7440-36-0	Antimony	SOIL	LA-505-412	U	< 4.94	mg/kg	9.88	4.9	01/08/04	12/17/03	12/18/03
W030001206	B17RX9	GPP	7440-38-2	Arsenic	SOIL	LA-505-412	C	5.61	mg/kg	9.88	3.0	01/08/04	12/17/03	12/18/03
W030001206	B17RX9	GPP	7440-39-3	Barium	SOIL	LA-505-412		63.0	mg/kg	9.88	2.0	01/08/04	12/17/03	12/18/03
W030001206	B17RX9	GPP	7440-41-7	Beryllium	SOIL	LA-505-412	U	< 2.96	mg/kg	9.88	3.0	01/08/04	12/17/03	12/18/03
W030001206	B17RX9	GPP	7440-43-9	Cadmium	SOIL	LA-505-412	U	< 0.988	mg/kg	9.88	0.99	01/08/04	12/17/03	12/18/03
W030001206	B17RX9	GPP	7440-47-3	Chromium	SOIL	LA-505-412	U	< 2.96	mg/kg	9.88	3.0	01/08/04	12/17/03	12/18/03
W030001206	B17RX9	GPP	7440-50-8	Copper	SOIL	LA-505-412	U	< 4.94	mg/kg	9.88	4.9	01/08/04	12/17/03	12/18/03
W030001206	B17RX9	GPP	7439-92-1	Lead	SOIL	LA-505-412	U	< 11.9	mg/kg	9.88	12	01/08/04	12/17/03	12/18/03
W030001206	B17RX9	GPP	7440-02-0	Nickel	SOIL	LA-505-412		5.21	mg/kg	9.88	4.9	01/08/04	12/17/03	12/18/03
W030001206	B17RX9	GPP	7782-49-2	Selenium	SOIL	LA-505-412		4.73	mg/kg	9.88	3.0	01/08/04	12/17/03	12/18/03
W030001206	B17RX9	GPP	7440-22-4	Silver	SOIL	LA-505-412	U	< 1.98	mg/kg	9.88	2.0	01/08/04	12/17/03	12/18/03
W030001206	B17RX9	GPP	7440-61-1	Uranium	SOIL	LA-505-412	U	< 0.988	mg/kg	9.88	0.99	01/08/04	12/17/03	12/18/03
W030001206	B17RX9	GPP	7439-97-6	Mercury	SOIL	LA-505-412	U	< 0.988	mg/kg	9.88	0.99	01/08/04	12/17/03	12/18/03
W030001207	B17RY2	GPP	57-12-5	Cyanide	SOIL	LA-695-402	U	< 0.200	mg/kg	1.00	0.20	12/31/03	12/17/03	12/18/03
W030001207	B17RY2	GPP	NH4-N	Nitrogen in ammonium	SOIL	LA-503-401	E	5.28	mg/kg	50.00	0.20	12/30/03	12/17/03	12/18/03
W030001207	B17RY2	GPP	TS	Total solids	SOIL	LA-519-412		93.0	%	1.00	0.0	12/31/03	12/17/03	12/18/03
W030001207	B17RY2	GPP	PH	pH Measurement	SOIL	LA-212-411		10.1	pH	1.00	0.010	12/31/03	12/17/03	12/18/03
W030001207	B17RY2	GPP	16984-48-8	Fluoride	SOIL	LA-533-410	U	< 1.15	mg/kg	50.00	1.2	12/30/03	12/17/03	12/18/03
W030001207	B17RY2	GPP	16887-00-6	Chloride	SOIL	LA-533-410	B	9.54	mg/kg	50.00	2.6	12/30/03	12/17/03	12/18/03
W030001207	B17RY2	GPP	NO2-N	Nitrogen in Nitrite	SOIL	LA-533-410	U	< 0.950	mg/kg	50.00	0.95	12/30/03	12/17/03	12/18/03
W030001207	B17RY2	GPP	NO3-N	Nitrogen in Nitrate	SOIL	LA-533-410		57.7	mg/kg	50.00	0.65	12/30/03	12/17/03	12/18/03
W030001207	B17RY2	GPP	14265-44-2	Phosphate	SOIL	LA-533-410	U	< 2.70	mg/kg	50.00	2.7	12/30/03	12/17/03	12/18/03
W030001207	B17RY2	GPP	14808-79-8	Sulfate	SOIL	LA-533-410		61.9	mg/kg	50.00	5.0	12/30/03	12/17/03	12/18/03

MDL=Minimum Detection Limit
RQ=Result Qualifier

B - The Analyte detected in both the BLANK and the SAMPLE (org.)
C - The Analyte was in the Sample and Blank, Sample < = 5 x Blank
J - Analyte is an estimate, has potentially larger errors
B - The analyte < the RDL but > = the IDL/MDL (inorganic)
E - Analyte is an estimate, has potentially larger errors
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: F03-025: F03-025

Group #: WSCF20031680

Sample #	Client ID		CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W030001207	B17RY2	GPP	7440-69-9	Bismuth	SOIL	LA-505-411	U	< 4.99	mg/kg	1.00	5.0	01/08/04	12/17/03	12/18/03
W030001207	B17RY2	GPP	7440-36-0	Antimony	SOIL	LA-505-412	U	< 4.94	mg/kg	9.88	4.9	01/08/04	12/17/03	12/18/03
W030001207	B17RY2	GPP	7440-38-2	Arsenic	SOIL	LA-505-412		12.6	mg/kg	9.88	3.0	01/08/04	12/17/03	12/18/03
W030001207	B17RY2	GPP	7440-39-3	Barium	SOIL	LA-505-412		150	mg/kg	9.88	2.0	01/08/04	12/17/03	12/18/03
W030001207	B17RY2	GPP	7440-41-7	Beryllium	SOIL	LA-505-412	U	< 2.96	mg/kg	9.88	3.0	01/08/04	12/17/03	12/18/03
W030001207	B17RY2	GPP	7440-43-9	Cadmium	SOIL	LA-505-412	U	< 0.988	mg/kg	9.88	0.99	01/08/04	12/17/03	12/18/03
W030001207	B17RY2	GPP	7440-47-3	Chromium	SOIL	LA-505-412		6.01	mg/kg	9.88	3.0	01/08/04	12/17/03	12/18/03
W030001207	B17RY2	GPP	7440-50-8	Copper	SOIL	LA-505-412		6.49	mg/kg	9.88	4.9	01/08/04	12/17/03	12/18/03
W030001207	B17RY2	GPP	7439-92-1	Lead	SOIL	LA-505-412	U	< 11.9	mg/kg	9.88	12	01/08/04	12/17/03	12/18/03
W030001207	B17RY2	GPP	7440-02-0	Nickel	SOIL	LA-505-412		10.7	mg/kg	9.88	4.9	01/08/04	12/17/03	12/18/03
W030001207	B17RY2	GPP	7782-49-2	Selenium	SOIL	LA-505-412		3.88	mg/kg	9.88	3.0	01/08/04	12/17/03	12/18/03
W030001207	B17RY2	GPP	7440-22-4	Silver	SOIL	LA-505-412	U	< 1.98	mg/kg	9.88	2.0	01/08/04	12/17/03	12/18/03
W030001207	B17RY2	GPP	7440-61-1	Uranium	SOIL	LA-505-412	U	< 0.988	mg/kg	9.88	0.99	01/08/04	12/17/03	12/18/03
W030001207	B17RY2	GPP	7439-97-6	Mercury	SOIL	LA-505-412	U	< 0.988	mg/kg	9.88	0.99	01/08/04	12/17/03	12/18/03
W030001208	B17T01	GPP	57-12-5	Cyanide	SOIL	LA-695-402		0.360	mg/kg	1.00	0.20	12/31/03	12/17/03	12/18/03
W030001208	B17T01	GPP	NH4-N	Nitrogen in ammonium	SOIL	LA-503-401	U	< 0.200	mg/kg	50.00	0.20	12/30/03	12/17/03	12/18/03
W030001208	B17T01	GPP	TS	Total solids	SOIL	LA-519-412		95.7	%	1.00	0.0	12/31/03	12/17/03	12/18/03
W030001208	B17T01	GPP	PH	pH Measurement	SOIL	LA-212-411		8.90	pH	1.00	0.010	12/31/03	12/17/03	12/18/03
W030001208	B17T01	GPP	16984-48-8	Fluoride	SOIL	LA-533-410	U	< 1.15	mg/kg	50.00	1.2	12/30/03	12/17/03	12/18/03
W030001208	B17T01	GPP	16887-00-6	Chloride	SOIL	LA-533-410	B	9.55	mg/kg	50.00	2.6	12/30/03	12/17/03	12/18/03
W030001208	B17T01	GPP	NO2-N	Nitrogen in Nitrite	SOIL	LA-533-410	U	< 0.950	mg/kg	50.00	0.95	12/30/03	12/17/03	12/18/03
W030001208	B17T01	GPP	NO3-N	Nitrogen in Nitrate	SOIL	LA-533-410		7.44	mg/kg	50.00	0.65	12/30/03	12/17/03	12/18/03
W030001208	B17T01	GPP	14265-44-2	Phosphate	SOIL	LA-533-410	U	< 2.70	mg/kg	50.00	2.7	12/30/03	12/17/03	12/18/03
W030001208	B17T01	GPP	14808-79-8	Sulfate	SOIL	LA-533-410	B	18.5	mg/kg	50.00	5.0	12/30/03	12/17/03	12/18/03
W030001208	B17T01	GPP	7440-69-9	Bismuth	SOIL	LA-505-411	U	< 4.98	mg/kg	1.00	5.0	01/08/04	12/17/03	12/18/03
W030001208	B17T01	GPP	7440-36-0	Antimony	SOIL	LA-505-412	U	< 4.97	mg/kg	9.94	5.0	01/08/04	12/17/03	12/18/03
W030001208	B17T01	GPP	7440-38-2	Arsenic	SOIL	LA-505-412	C	6.38	mg/kg	9.94	3.0	01/08/04	12/17/03	12/18/03

MDL=Minimum Detection Limit
RQ=Result Qualifier

B - The Analyte detected in both the BLANK and the SAMPLE (org.)
C - The Analyte was in the Sample and Blank, Sample < = 5 x Blank
J - Analyte is an estimate, has potentially larger errors
B - The analyte < the RDL but > = the IDL/MDL (inorganic)
E - Analyte is an estimate, has potentially larger errors
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: F03-025: F03-025

Group #: WSCF20031680

Sample #	Client ID		CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W030001208	B17T01	GPP	7440-39-3	Barium	SOIL	LA-505-412		52.7	mg/kg	9.94	2.0	01/08/04	12/17/03	12/18/03
W030001208	B17T01	GPP	7440-41-7	Beryllium	SOIL	LA-505-412	U	< 2.98	mg/kg	9.94	3.0	01/08/04	12/17/03	12/18/03
W030001208	B17T01	GPP	7440-43-9	Cadmium	SOIL	LA-505-412	U	< 0.994	mg/kg	9.94	0.99	01/08/04	12/17/03	12/18/03
W030001208	B17T01	GPP	7440-47-3	Chromium	SOIL	LA-505-412		7.70	mg/kg	9.94	3.0	01/08/04	12/17/03	12/18/03
W030001208	B17T01	GPP	7440-50-8	Copper	SOIL	LA-505-412		11.9	mg/kg	9.94	5.0	01/08/04	12/17/03	12/18/03
W030001208	B17T01	GPP	7439-92-1	Lead	SOIL	LA-505-412	U	< 11.9	mg/kg	9.94	12	01/08/04	12/17/03	12/18/03
W030001208	B17T01	GPP	7440-02-0	Nickel	SOIL	LA-505-412		9.07	mg/kg	9.94	5.0	01/08/04	12/17/03	12/18/03
W030001208	B17T01	GPP	7782-49-2	Selenium	SOIL	LA-505-412		4.98	mg/kg	9.94	3.0	01/08/04	12/17/03	12/18/03
W030001208	B17T01	GPP	7440-22-4	Silver	SOIL	LA-505-412	U	< 1.99	mg/kg	9.94	2.0	01/08/04	12/17/03	12/18/03
W030001208	B17T01	GPP	7440-61-1	Uranium	SOIL	LA-505-412	U	< 0.994	mg/kg	9.94	0.99	01/08/04	12/17/03	12/18/03
W030001208	B17T01	GPP	7439-97-6	Mercury	SOIL	LA-505-412	U	< 0.994	mg/kg	9.94	0.99	01/08/04	12/17/03	12/18/03

MDL=Minimum Detection Limit
RQ=Result Qualifier

B - The Analyte detected in both the BLANK and the SAMPLE (org.)
C - The Analyte was in the Sample and Blank, Sample < = 5 x Blank
J - Analyte is an estimate, has potentially larger errors
B - The analyte < the RDL but > = the IDL/MDL (inorganic)
E - Analyte is an estimate, has potentially larger errors
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: F03-025: F03-025

Group #: WSCF20031680

Sample #	Client ID		CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
Radiochemistry														
W030001203	B17RX1	GPP	13994-20-2	Neptunium-237	SOIL	LA-508-471		6.10e-03	pCi/g	1.00	4.5e-03	01/11/04	12/17/03	12/18/03
W030001203	B17RX1	GPP	E,T,C	Np-237 by AEA Total Ctng Error	SOIL	LA-508-471		+- 6.1e-03	pCi/g	1.00	0.0	01/11/04	12/17/03	12/18/03
W030001203	B17RX1	GPP	14596-10-2	Americium-241	SOIL	LA-508-471		150	pCi/g	1.00	0.30	02/02/04	12/17/03	12/18/03
W030001203	B17RX1	GPP	E,T,C	Am-241 by AEA Total Cntg Error	SOIL	LA-508-471		+- 15	pCi/g	1.00	0.0	02/02/04	12/17/03	12/18/03
W030001203	B17RX1	GPP	14234-35-6	Antimony-125	SOIL	LA-508-462	U	0.385	pCi/g	1.00	0.54	01/06/04	12/17/03	12/18/03
W030001203	B17RX1	GPP	E,T,C	Sb-125 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.32	pCi/g	1.00	0.0	01/06/04	12/17/03	12/18/03
W030001203	B17RX1	GPP	10198-40-0	Cobalt-60	SOIL	LA-508-462		883	pCi/g	1.00	0.17	01/06/04	12/17/03	12/18/03
W030001203	B17RX1	GPP	E,T,C	Co-60 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 1.2e+02	pCi/g	1.00	0.0	01/06/04	12/17/03	12/18/03
W030001203	B17RX1	GPP	13967-70-9	Cesium-134	SOIL	LA-508-462	U	9.11e-03	pCi/g	1.00	0.32	01/06/04	12/17/03	12/18/03
W030001203	B17RX1	GPP	E,T,C	Cs-134 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.091	pCi/g	1.00	0.0	01/06/04	12/17/03	12/18/03
W030001203	B17RX1	GPP	10045-97-3	Cesium-137	SOIL	LA-508-462		9.56	pCi/g	1.00	0.19	01/06/04	12/17/03	12/18/03
W030001203	B17RX1	GPP	E,T,C	Cs-137 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 1.5	pCi/g	1.00	0.0	01/06/04	12/17/03	12/18/03
W030001203	B17RX1	GPP	14683-23-9	Europium-152	SOIL	LA-508-462	U	-0.397	pCi/g	1.00	0.47	01/06/04	12/17/03	12/18/03
W030001203	B17RX1	GPP	E,T,C	Eu-152 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.40	pCi/g	1.00	0.0	01/06/04	12/17/03	12/18/03
W030001203	B17RX1	GPP	15585-10-1	Europium-154	SOIL	LA-508-462	U	-0.145	pCi/g	1.00	0.43	01/06/04	12/17/03	12/18/03
W030001203	B17RX1	GPP	E,T,C	Eu-154 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.26	pCi/g	1.00	0.0	01/06/04	12/17/03	12/18/03
W030001203	B17RX1	GPP	14391-16-3	Europium-155	SOIL	LA-508-462	U	0.0811	pCi/g	1.00	0.55	01/06/04	12/17/03	12/18/03
W030001203	B17RX1	GPP	E,T,C	Eu-155 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.34	pCi/g	1.00	0.0	01/06/04	12/17/03	12/18/03
W030001203	B17RX1	GPP	13981-16-3	Plutonium-238	SOIL	LA-508-471		20.0	pCi/g	1.00	0.28	01/26/04	12/17/03	12/18/03
W030001203	B17RX1	GPP	E,T,C	Pu-238 by AEA Total Cntg Error	SOIL	LA-508-471		+- 5.2	pCi/g	1.00	0.0	01/26/04	12/17/03	12/18/03
W030001203	B17RX1	GPP	PU-239/240	Pu-239/240 by AEA	SOIL	LA-508-471		240	pCi/g	1.00	0.084	01/26/04	12/17/03	12/18/03
W030001203	B17RX1	GPP	E,T,C	Pu-239/240 AEA Total Cntg Err	SOIL	LA-508-471		+- 60	pCi/g	1.00	0.0	01/26/04	12/17/03	12/18/03
W030001203	B17RX1	GPP	U-233/234	Uranium-233/234	SOIL	LA-508-471		0.740	pCi/g	1.00	0.024	01/23/04	12/17/03	12/18/03
W030001203	B17RX1	GPP	E,T,C	U-233/234 AEA Total Cntg Error	SOIL	LA-508-471		+- 0.25	pCi/g	1.00	0.0	01/23/04	12/17/03	12/18/03
W030001203	B17RX1	GPP	15117-96-1	Uranium-235	SOIL	LA-508-471		0.130	pCi/g	1.00	0.071	01/23/04	12/17/03	12/18/03
W030001203	B17RX1	GPP	E,T,C	U-235 by AEA Total Cntg Error	SOIL	LA-508-471		+- 0.085	pCi/g	1.00	0.0	01/23/04	12/17/03	12/18/03

MDL=Minimum Detection Limit
RQ=Result Qualifier

B - The Analyte detected in both the BLANK and the SAMPLE (org.)
C - The Analyte was in the Sample and Blank, Sample < = 5 x Blank
J - Analyte is an estimate, has potentially larger errors
B - The analyte < the RDL but > = the IDL/MDL (inorganic)
E - Analyte is an estimate, has potentially larger errors
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: F03-025: F03-025

Group #: WSCF20031680

Sample #	Client ID		CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W030001203	B17RX1	GPP	U-238	Uranium-238	SOIL	LA-508-471		0.580	pCi/g	1.00	0.083	01/23/04	12/17/03	12/18/03
W030001203	B17RX1	GPP	E,T,C	U-238 by AEA Total Cntg Error	SOIL	LA-508-471		+- 0.21	pCi/g	1.00	0.10	01/23/04	12/17/03	12/18/03
W030001204	B17RX5	GPP	13994-20-2	Neptunium-237	SOIL	LA-508-471	U	6.90e-03	pCi/g	1.00	0.012	01/11/04	12/17/03	12/18/03
W030001204	B17RX5	GPP	E,T,C	Np-237 by AEA Total Ctng Error	SOIL	LA-508-471		+- 8.3e-03	pCi/g	1.00	0.0	01/11/04	12/17/03	12/18/03
W030001204	B17RX5	GPP	14596-10-2	Americium-241	SOIL	LA-508-471		0.0480	pCi/g	1.00	0.025	01/23/04	12/17/03	12/18/03
W030001204	B17RX5	GPP	E,T,C	Am-241 by AEA Total Cntg Error	SOIL	LA-508-471		+- 0.024	pCi/g	1.00	0.0	01/23/04	12/17/03	12/18/03
W030001204	B17RX5	GPP	14234-35-6	Antimony-125	SOIL	LA-508-462	U	0.0119	pCi/g	1.00	0.039	01/06/04	12/17/03	12/18/03
W030001204	B17RX5	GPP	E,T,C	Sb-125 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.027	pCi/g	1.00	0.0	01/06/04	12/17/03	12/18/03
W030001204	B17RX5	GPP	10198-40-0	Cobalt-60	SOIL	LA-508-462		1.44	pCi/g	1.00	0.013	01/06/04	12/17/03	12/18/03
W030001204	B17RX5	GPP	E,T,C	Co-60 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.13	pCi/g	1.00	0.0	01/06/04	12/17/03	12/18/03
W030001204	B17RX5	GPP	13967-70-9	Cesium-134	SOIL	LA-508-462	U	0.0305	pCi/g	1.00	0.040	01/06/04	12/17/03	12/18/03
W030001204	B17RX5	GPP	E,T,C	Cs-134 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.013	pCi/g	1.00	0.0	01/06/04	12/17/03	12/18/03
W030001204	B17RX5	GPP	10045-97-3	Cesium-137	SOIL	LA-508-462	U	-3.26e-03	pCi/g	1.00	0.015	01/06/04	12/17/03	12/18/03
W030001204	B17RX5	GPP	E,T,C	Cs-137 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 9.1e-03	pCi/g	1.00	0.0	01/06/04	12/17/03	12/18/03
W030001204	B17RX5	GPP	14683-23-9	Europium-152	SOIL	LA-508-462	U	-6.29e-03	pCi/g	1.00	0.043	01/06/04	12/17/03	12/18/03
W030001204	B17RX5	GPP	E,T,C	Eu-152 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.049	pCi/g	1.00	0.0	01/06/04	12/17/03	12/18/03
W030001204	B17RX5	GPP	15585-10-1	Europium-154	SOIL	LA-508-462	U	-0.0340	pCi/g	1.00	0.037	01/06/04	12/17/03	12/18/03
W030001204	B17RX5	GPP	E,T,C	Eu-154 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.034	pCi/g	1.00	0.0	01/06/04	12/17/03	12/18/03
W030001204	B17RX5	GPP	14391-16-3	Europium-155	SOIL	LA-508-462	U	0.0120	pCi/g	1.00	0.066	01/06/04	12/17/03	12/18/03
W030001204	B17RX5	GPP	E,T,C	Eu-155 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.039	pCi/g	1.00	0.0	01/06/04	12/17/03	12/18/03
W030001204	B17RX5	GPP	13981-16-3	Plutonium-238	SOIL	LA-508-471	U	0.0140	pCi/g	1.00	0.028	01/26/04	12/17/03	12/18/03
W030001204	B17RX5	GPP	E,T,C	Pu-238 by AEA Total Cntg Error	SOIL	LA-508-471		+- 0.018	pCi/g	1.00	0.0	01/26/04	12/17/03	12/18/03
W030001204	B17RX5	GPP	PU-239/240	Pu-239/240 by AEA	SOIL	LA-508-471		0.0330	pCi/g	1.00	0.031	01/26/04	12/17/03	12/18/03
W030001204	B17RX5	GPP	E,T,C	Pu-239/240 AEA Total Cntg Err	SOIL	LA-508-471		+- 0.024	pCi/g	1.00	0.0	01/26/04	12/17/03	12/18/03
W030001204	B17RX5	GPP	U-233/234	Uranium-233/234	SOIL	LA-508-471		0.100	pCi/g	1.00	0.019	01/23/04	12/17/03	12/18/03
W030001204	B17RX5	GPP	E,T,C	U-233/234 AEA Total Cntg Error	SOIL	LA-508-471		+- 0.039	pCi/g	1.00	0.0	01/23/04	12/17/03	12/18/03
W030001204	B17RX5	GPP	15117-96-1	Uranium-235	SOIL	LA-508-471		0.0110	pCi/g	1.00	6.2e-03	01/23/04	12/17/03	12/18/03

MDL=Minimum Detection Limit
RQ=Result Qualifier

B - The Analyte detected in both the BLANK and the SAMPLE (org.)
C - The Analyte was in the Sample and Blank, Sample < = 5 x Blank
J - Analyte is an estimate, has potentially larger errors
B - The analyte < the RDL but > = the IDL/MDL (inorganic)
E - Analyte is an estimate, has potentially larger errors
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: F03-025: F03-025

Group #: WSCF20031680

Sample #	Client ID		CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W030001204	B17RX5	GPP	E,T,C	U-235 by AEA Total Cntg Error	SOIL	LA-508-471		+- 0.010	pCi/g	1.00	0.0	01/23/04	12/17/03	12/18/03
W030001204	B17RX5	GPP	U-238	Uranium-238	SOIL	LA-508-471		0.0920	pCi/g	1.00	5.7e-03	01/23/04	12/17/03	12/18/03
W030001204	B17RX5	GPP	E,T,C	U-238 by AEA Total Cntg Error	SOIL	LA-508-471		+- 0.037	pCi/g	1.00	0.10	01/23/04	12/17/03	12/18/03
W030001205	B17RV4	GPP	13994-20-2	Neptunium-237	SOIL	LA-508-471	U	0.0120	pCi/g	1.00	0.013	01/11/04	12/17/03	12/18/03
W030001205	B17RV4	GPP	E,T,C	Np-237 by AEA Total Ctng Error	SOIL	LA-508-471		+- 0.010	pCi/g	1.00	0.0	01/11/04	12/17/03	12/18/03
W030001205	B17RV4	GPP	14596-10-2	Americium-241	SOIL	LA-508-471		0.0940	pCi/g	1.00	0.019	01/23/04	12/17/03	12/18/03
W030001205	B17RV4	GPP	E,T,C	Am-241 by AEA Total Cntg Error	SOIL	LA-508-471		+- 0.029	pCi/g	1.00	0.0	01/23/04	12/17/03	12/18/03
W030001205	B17RV4	GPP	14234-35-6	Antimony-125	SOIL	LA-508-462	U	8.66e-04	pCi/g	1.00	0.034	01/06/04	12/17/03	12/18/03
W030001205	B17RV4	GPP	E,T,C	Sb-125 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 8.7e-03	pCi/g	1.00	0.0	01/06/04	12/17/03	12/18/03
W030001205	B17RV4	GPP	10198-40-0	Cobalt-60	SOIL	LA-508-462		0.0501	pCi/g	1.00	0.011	01/06/04	12/17/03	12/18/03
W030001205	B17RV4	GPP	E,T,C	Co-60 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.014	pCi/g	1.00	0.0	01/06/04	12/17/03	12/18/03
W030001205	B17RV4	GPP	13967-70-9	Cesium-134	SOIL	LA-508-462	U	0.0392	pCi/g	1.00	0.040	01/06/04	12/17/03	12/18/03
W030001205	B17RV4	GPP	E,T,C	Cs-134 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.011	pCi/g	1.00	0.0	01/06/04	12/17/03	12/18/03
W030001205	B17RV4	GPP	10045-97-3	Cesium-137	SOIL	LA-508-462		0.0126	pCi/g	1.00	0.010	01/06/04	12/17/03	12/18/03
W030001205	B17RV4	GPP	E,T,C	Cs-137 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 8.6e-03	pCi/g	1.00	0.0	01/06/04	12/17/03	12/18/03
W030001205	B17RV4	GPP	14683-23-9	Europium-152	SOIL	LA-508-462	U	0.0113	pCi/g	1.00	0.032	01/06/04	12/17/03	12/18/03
W030001205	B17RV4	GPP	E,T,C	Eu-152 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.021	pCi/g	1.00	0.0	01/06/04	12/17/03	12/18/03
W030001205	B17RV4	GPP	15585-10-1	Europium-154	SOIL	LA-508-462	U	-9.75e-03	pCi/g	1.00	0.030	01/06/04	12/17/03	12/18/03
W030001205	B17RV4	GPP	E,T,C	Eu-154 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.018	pCi/g	1.00	0.0	01/06/04	12/17/03	12/18/03
W030001205	B17RV4	GPP	14391-16-3	Europium-155	SOIL	LA-508-462		0.0667	pCi/g	1.00	0.048	01/06/04	12/17/03	12/18/03
W030001205	B17RV4	GPP	E,T,C	Eu-155 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.049	pCi/g	1.00	0.0	01/06/04	12/17/03	12/18/03
W030001205	B17RV4	GPP	13981-16-3	Plutonium-238	SOIL	LA-508-471	U	3.90e-03	pCi/g	1.00	0.045	01/26/04	12/17/03	12/18/03
W030001205	B17RV4	GPP	E,T,C	Pu-238 by AEA Total Cntg Error	SOIL	LA-508-471		+- 0.025	pCi/g	1.00	0.0	01/26/04	12/17/03	12/18/03
W030001205	B17RV4	GPP	PU-239/240	Pu-239/240 by AEA	SOIL	LA-508-471		0.240	pCi/g	1.00	5.2e-03	01/26/04	12/17/03	12/18/03
W030001205	B17RV4	GPP	E,T,C	Pu-239/240 AEA Total Cntg Err	SOIL	LA-508-471		+- 0.074	pCi/g	1.00	0.0	01/26/04	12/17/03	12/18/03
W030001205	B17RV4	GPP	U-233/234	Uranium-233/234	SOIL	LA-508-471		0.190	pCi/g	1.00	5.4e-03	01/23/04	12/17/03	12/18/03
W030001205	B17RV4	GPP	E,T,C	U-233/234 AEA Total Cntg Error	SOIL	LA-508-471		+- 0.063	pCi/g	1.00	0.0	01/23/04	12/17/03	12/18/03

MDL=Minimum Detection Limit
RQ=Result Qualifier

B - The Analyte detected in both the BLANK and the SAMPLE (org.)
C - The Analyte was in the Sample and Blank, Sample <= 5 x Blank
J - Analyte is an estimate, has potentially larger errors
B - The analyte < the RDL but >= the IDL/MDL (inorganic)
E - Analyte is an estimate, has potentially larger errors
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: F03-025: F03-025

Group #: WSCF20031680

Sample #	Client ID		CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W030001205	B17RV4	GPP	15117-96-1	Uranium-235	SOIL	LA-508-471		0.0150	pCi/g	1.00	5.9e-03	01/23/04	12/17/03	12/18/03
W030001205	B17RV4	GPP	E,T,C	U-235 by AEA Total Cntg Error	SOIL	LA-508-471		+- 0.012	pCi/g	1.00	0.0	01/23/04	12/17/03	12/18/03
W030001205	B17RV4	GPP	U-238	Uranium-238	SOIL	LA-508-471		0.190	pCi/g	1.00	5.4e-03	01/23/04	12/17/03	12/18/03
W030001205	B17RV4	GPP	E,T,C	U-238 by AEA Total Cntg Error	SOIL	LA-508-471		+- 0.063	pCi/g	1.00	0.10	01/23/04	12/17/03	12/18/03
W030001206	B17RX9	GPP	13994-20-2	Neptunium-237	SOIL	LA-508-471	U	-2.90e-03	pCi/g	1.00	0.020	01/11/04	12/17/03	12/18/03
W030001206	B17RX9	GPP	E,T,C	Np-237 by AEA Total Ctng Error	SOIL	LA-508-471		+- 8.1e-03	pCi/g	1.00	0.0	01/11/04	12/17/03	12/18/03
W030001206	B17RX9	GPP	14596-10-2	Americium-241	SOIL	LA-508-471		0.600	pCi/g	1.00	4.6e-03	01/23/04	12/17/03	12/18/03
W030001206	B17RX9	GPP	E,T,C	Am-241 by AEA Total Cntg Error	SOIL	LA-508-471		+- 0.090	pCi/g	1.00	0.0	01/23/04	12/17/03	12/18/03
W030001206	B17RX9	GPP	14234-35-6	Antimony-125	SOIL	LA-508-462	U	0.0440	pCi/g	1.00	0.050	01/06/04	12/17/03	12/18/03
W030001206	B17RX9	GPP	E,T,C	Sb-125 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.029	pCi/g	1.00	0.0	01/06/04	12/17/03	12/18/03
W030001206	B17RX9	GPP	10198-40-0	Cobalt-60	SOIL	LA-508-462		3.28	pCi/g	1.00	0.014	01/06/04	12/17/03	12/18/03
W030001206	B17RX9	GPP	E,T,C	Co-60 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.26	pCi/g	1.00	0.0	01/06/04	12/17/03	12/18/03
W030001206	B17RX9	GPP	13967-70-9	Cesium-134	SOIL	LA-508-462	U	0.0312	pCi/g	1.00	0.040	01/06/04	12/17/03	12/18/03
W030001206	B17RX9	GPP	E,T,C	Cs-134 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.017	pCi/g	1.00	0.0	01/06/04	12/17/03	12/18/03
W030001206	B17RX9	GPP	10045-97-3	Cesium-137	SOIL	LA-508-462		0.0532	pCi/g	1.00	0.017	01/06/04	12/17/03	12/18/03
W030001206	B17RX9	GPP	E,T,C	Cs-137 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.020	pCi/g	1.00	0.0	01/06/04	12/17/03	12/18/03
W030001206	B17RX9	GPP	14683-23-9	Europium-152	SOIL	LA-508-462	U	-0.0253	pCi/g	1.00	0.041	01/06/04	12/17/03	12/18/03
W030001206	B17RX9	GPP	E,T,C	Eu-152 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.036	pCi/g	1.00	0.0	01/06/04	12/17/03	12/18/03
W030001206	B17RX9	GPP	15585-10-1	Europium-154	SOIL	LA-508-462	U	-0.0214	pCi/g	1.00	0.043	01/06/04	12/17/03	12/18/03
W030001206	B17RX9	GPP	E,T,C	Eu-154 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.026	pCi/g	1.00	0.0	01/06/04	12/17/03	12/18/03
W030001206	B17RX9	GPP	14391-16-3	Europium-155	SOIL	LA-508-462	U	0.0383	pCi/g	1.00	0.054	01/06/04	12/17/03	12/18/03
W030001206	B17RX9	GPP	E,T,C	Eu-155 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.042	pCi/g	1.00	0.0	01/06/04	12/17/03	12/18/03
W030001206	B17RX9	GPP	13981-16-3	Plutonium-238	SOIL	LA-508-471	U	0.0530	pCi/g	1.00	0.065	01/26/04	12/17/03	12/18/03
W030001206	B17RX9	GPP	E,T,C	Pu-238 by AEA Total Cntg Error	SOIL	LA-508-471		+- 0.044	pCi/g	1.00	0.0	01/26/04	12/17/03	12/18/03
W030001206	B17RX9	GPP	PU-239/240	Pu-239/240 by AEA	SOIL	LA-508-471		0.100	pCi/g	1.00	5.7e-03	01/26/04	12/17/03	12/18/03
W030001206	B17RX9	GPP	E,T,C	Pu-239/240 AEA Total Cntg Err	SOIL	LA-508-471		+- 0.038	pCi/g	1.00	0.0	01/26/04	12/17/03	12/18/03
W030001206	B17RX9	GPP	U-233/234	Uranium-233/234	SOIL	LA-508-471		0.120	pCi/g	1.00	0.023	01/23/04	12/17/03	12/18/03

MDL=Minimum Detection Limit
RQ=Result Qualifier

B - The Analyte detected in both the BLANK and the SAMPLE (org.)
C - The Analyte was in the Sample and Blank, Sample < = 5 x Blank
J - Analyte is an estimate, has potentially larger errors
B - The analyte < the RDL but > = the IDL/MDL (inorganic)
E - Analyte is an estimate, has potentially larger errors
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: F03-025: F03-025

Group #: WSCF20031680

Sample #	Client ID		CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W030001206	B17RX9	GPP	E,T,C	U-233/234 AEA Total Cntg Error	SOIL	LA-508-471		+- 0.046	pCi/g	1.00	0.0	01/23/04	12/17/03	12/18/03
W030001206	B17RX9	GPP	15117-96-1	Uranium-235	SOIL	LA-508-471		0.0180	pCi/g	1.00	0.017	01/23/04	12/17/03	12/18/03
W030001206	B17RX9	GPP	E,T,C	U-235 by AEA Total Cntg Error	SOIL	LA-508-471		+- 0.015	pCi/g	1.00	0.0	01/23/04	12/17/03	12/18/03
W030001206	B17RX9	GPP	U-238	Uranium-238	SOIL	LA-508-471		0.130	pCi/g	1.00	5.7e-03	01/23/04	12/17/03	12/18/03
W030001206	B17RX9	GPP	E,T,C	U-238 by AEA Total Cntg Error	SOIL	LA-508-471		+- 0.047	pCi/g	1.00	0.10	01/23/04	12/17/03	12/18/03
W030001207	B17RY2	GPP	13994-20-2	Neptunium-237	SOIL	LA-508-471	U	-2.00e-03	pCi/g	1.00	0.016	01/11/04	12/17/03	12/18/03
W030001207	B17RY2	GPP	E,T,C	Np-237 by AEA Total Ctng Error	SOIL	LA-508-471		+- 0.020	pCi/g	1.00	0.0	01/11/04	12/17/03	12/18/03
W030001207	B17RY2	GPP	14596-10-2	Americium-241	SOIL	LA-508-471	U	0.0100	pCi/g	1.00	0.061	01/26/04	12/17/03	12/18/03
W030001207	B17RY2	GPP	E,T,C	Am-241 by AEA Total Cntg Error	SOIL	LA-508-471		+- 0.035	pCi/g	1.00	0.0	01/26/04	12/17/03	12/18/03
W030001207	B17RY2	GPP	14234-35-6	Antimony-125	SOIL	LA-508-462	U	-2.00e-03	pCi/g	1.00	0.022	01/07/04	12/17/03	12/18/03
W030001207	B17RY2	GPP	E,T,C	Sb-125 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.013	pCi/g	1.00	0.0	01/07/04	12/17/03	12/18/03
W030001207	B17RY2	GPP	10198-40-0	Cobalt-60	SOIL	LA-508-462		3.39	pCi/g	1.00	8.4e-03	01/07/04	12/17/03	12/18/03
W030001207	B17RY2	GPP	E,T,C	Co-60 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.30	pCi/g	1.00	0.0	01/07/04	12/17/03	12/18/03
W030001207	B17RY2	GPP	13967-70-9	Cesium-134	SOIL	LA-508-462	U	0.0202	pCi/g	1.00	0.030	01/07/04	12/17/03	12/18/03
W030001207	B17RY2	GPP	E,T,C	Cs-134 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 9.4e-03	pCi/g	1.00	0.0	01/07/04	12/17/03	12/18/03
W030001207	B17RY2	GPP	10045-97-3	Cesium-137	SOIL	LA-508-462	U	2.91e-03	pCi/g	1.00	9.0e-03	01/07/04	12/17/03	12/18/03
W030001207	B17RY2	GPP	E,T,C	Cs-137 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 6.4e-03	pCi/g	1.00	0.0	01/07/04	12/17/03	12/18/03
W030001207	B17RY2	GPP	14683-23-9	Europium-152	SOIL	LA-508-462	U	9.69e-03	pCi/g	1.00	0.019	01/07/04	12/17/03	12/18/03
W030001207	B17RY2	GPP	E,T,C	Eu-152 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.014	pCi/g	1.00	0.0	01/07/04	12/17/03	12/18/03
W030001207	B17RY2	GPP	15585-10-1	Europium-154	SOIL	LA-508-462	U	-5.20e-03	pCi/g	1.00	0.023	01/07/04	12/17/03	12/18/03
W030001207	B17RY2	GPP	E,T,C	Eu-154 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.014	pCi/g	1.00	0.0	01/07/04	12/17/03	12/18/03
W030001207	B17RY2	GPP	14391-16-3	Europium-155	SOIL	LA-508-462	U	4.39e-03	pCi/g	1.00	0.021	01/07/04	12/17/03	12/18/03
W030001207	B17RY2	GPP	E,T,C	Eu-155 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.013	pCi/g	1.00	0.0	01/07/04	12/17/03	12/18/03
W030001207	B17RY2	GPP	13981-16-3	Plutonium-238	SOIL	LA-508-471	U	0.0230	pCi/g	1.00	0.057	01/26/04	12/17/03	12/18/03
W030001207	B17RY2	GPP	E,T,C	Pu-238 by AEA Total Cntg Error	SOIL	LA-508-471		+- 0.034	pCi/g	1.00	0.0	01/26/04	12/17/03	12/18/03
W030001207	B17RY2	GPP	PU-239/240	Pu-239/240 by AEA	SOIL	LA-508-471	U	0.0110	pCi/g	1.00	0.023	01/26/04	12/17/03	12/18/03
W030001207	B17RY2	GPP	E,T,C	Pu-239/240 AEA Total Cntg Err	SOIL	LA-508-471		+- 0.015	pCi/g	1.00	0.0	01/26/04	12/17/03	12/18/03

MDL=Minimum Detection Limit
RQ=Result Qualifier

B - The Analyte detected in both the BLANK and the SAMPLE (org.)
C - The Analyte was in the Sample and Blank, Sample < = 5 x Blank
J - Analyte is an estimate, has potentially larger errors
B - The analyte < the RDL but > = the IDL/MDL (inorganic)
E - Analyte is an estimate, has potentially larger errors
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: F03-025: F03-025

Group #: WSCF20031680

Sample #	Client ID		CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W030001207	B17RY2	GPP	U-233/234	Uranium-233/234	SOIL	LA-508-471		0.160	pCi/g	1.00	5.9e-03	01/23/04	12/17/03	12/18/03
W030001207	B17RY2	GPP	E,T,C	U-233/234 AEA Total Cntg Error	SOIL	LA-508-471		+- 0.056	pCi/g	1.00	0.0	01/23/04	12/17/03	12/18/03
W030001207	B17RY2	GPP	15117-96-1	Uranium-235	SOIL	LA-508-471		0.0240	pCi/g	1.00	6.4e-03	01/23/04	12/17/03	12/18/03
W030001207	B17RY2	GPP	E,T,C	U-235 by AEA Total Cntg Error	SOIL	LA-508-471		+- 0.016	pCi/g	1.00	0.0	01/23/04	12/17/03	12/18/03
W030001207	B17RY2	GPP	U-238	Uranium-238	SOIL	LA-508-471		0.160	pCi/g	1.00	0.016	01/23/04	12/17/03	12/18/03
W030001207	B17RY2	GPP	E,T,C	U-238 by AEA Total Cntg Error	SOIL	LA-508-471		+- 0.054	pCi/g	1.00	0.10	01/23/04	12/17/03	12/18/03
W030001208	B17T01	GPP	13994-20-2	Neptunium-237	SOIL	LA-508-471		4.30e-03	pCi/g	1.00	4.0e-03	01/11/04	12/17/03	12/18/03
W030001208	B17T01	GPP	E,T,C	Np-237 by AEA Total Ctng Error	SOIL	LA-508-471		+- 5.2e-03	pCi/g	1.00	0.0	01/11/04	12/17/03	12/18/03
W030001208	B17T01	GPP	14596-10-2	Americium-241	SOIL	LA-508-471	U	-5.90e-03	pCi/g	1.00	0.053	01/26/04	12/17/03	12/18/03
W030001208	B17T01	GPP	E,T,C	Am-241 by AEA Total Cntg Error	SOIL	LA-508-471		+- 0.029	pCi/g	1.00	0.0	01/26/04	12/17/03	12/18/03
W030001208	B17T01	GPP	14234-35-6	Antimony-125	SOIL	LA-508-462	U	0.0158	pCi/g	1.00	0.053	01/06/04	12/17/03	12/18/03
W030001208	B17T01	GPP	E,T,C	Sb-125 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.032	pCi/g	1.00	0.0	01/06/04	12/17/03	12/18/03
W030001208	B17T01	GPP	10198-40-0	Cobalt-60	SOIL	LA-508-462	U	-3.80e-03	pCi/g	1.00	0.016	01/06/04	12/17/03	12/18/03
W030001208	B17T01	GPP	E,T,C	Co-60 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 9.4e-03	pCi/g	1.00	0.0	01/06/04	12/17/03	12/18/03
W030001208	B17T01	GPP	13967-70-9	Cesium-134	SOIL	LA-508-462	U	0.0104	pCi/g	1.00	0.025	01/06/04	12/17/03	12/18/03
W030001208	B17T01	GPP	E,T,C	Cs-134 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.015	pCi/g	1.00	0.0	01/06/04	12/17/03	12/18/03
W030001208	B17T01	GPP	10045-97-3	Cesium-137	SOIL	LA-508-462	U	1.45e-03	pCi/g	1.00	0.015	01/06/04	12/17/03	12/18/03
W030001208	B17T01	GPP	E,T,C	Cs-137 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 9.0e-03	pCi/g	1.00	0.0	01/06/04	12/17/03	12/18/03
W030001208	B17T01	GPP	14683-23-9	Europium-152	SOIL	LA-508-462	U	0.0143	pCi/g	1.00	0.050	01/06/04	12/17/03	12/18/03
W030001208	B17T01	GPP	E,T,C	Eu-152 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.055	pCi/g	1.00	0.0	01/06/04	12/17/03	12/18/03
W030001208	B17T01	GPP	15585-10-1	Europium-154	SOIL	LA-508-462	U	-0.0542	pCi/g	1.00	0.046	01/06/04	12/17/03	12/18/03
W030001208	B17T01	GPP	E,T,C	Eu-154 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.054	pCi/g	1.00	0.0	01/06/04	12/17/03	12/18/03
W030001208	B17T01	GPP	14391-16-3	Europium-155	SOIL	LA-508-462	U	0.0294	pCi/g	1.00	0.091	01/06/04	12/17/03	12/18/03
W030001208	B17T01	GPP	E,T,C	Eu-155 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.054	pCi/g	1.00	0.0	01/06/04	12/17/03	12/18/03
W030001208	B17T01	GPP	13981-16-3	Plutonium-238	SOIL	LA-508-471	U	8.70e-03	pCi/g	1.00	0.060	01/26/04	12/17/03	12/18/03
W030001208	B17T01	GPP	E,T,C	Pu-238 by AEA Total Cntg Error	SOIL	LA-508-471		+- 0.034	pCi/g	1.00	0.0	01/26/04	12/17/03	12/18/03
W030001208	B17T01	GPP	PU-239/240	Pu-239/240 by AEA	SOIL	LA-508-471	U	2.20e-03	pCi/g	1.00	0.020	01/26/04	12/17/03	12/18/03

MDL=Minimum Detection Limit
RQ=Result Qualifier

B - The Analyte detected in both the BLANK and the SAMPLE (org.)
C - The Analyte was in the Sample and Blank, Sample < = 5 x Blank
J - Analyte is an estimate, has potentially larger errors
B - The analyte < the RDL but > = the IDL/MDL (inorganic)
E - Analyte is an estimate, has potentially larger errors
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: F03-025: F03-025

Group #: WSCF20031680

Sample #	Client ID		CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W030001208	B17T01	GPP	E,T,C	Pu-239/240 AEA Total Cntg Err	SOIL	LA-508-471		+- 9.9e-03	pCi/g	1.00	0.0	01/26/04	12/17/03	12/18/03
W030001208	B17T01	GPP	U-233/234	Uranium-233/234	SOIL	LA-508-471		0.160	pCi/g	1.00	0.016	01/23/04	12/17/03	12/18/03
W030001208	B17T01	GPP	E,T,C	U-233/234 AEA Total Cntg Error	SOIL	LA-508-471		+- 0.056	pCi/g	1.00	0.0	01/23/04	12/17/03	12/18/03
W030001208	B17T01	GPP	15117-96-1	Uranium-235	SOIL	LA-508-471	U	0.0140	pCi/g	1.00	0.017	01/23/04	12/17/03	12/18/03
W030001208	B17T01	GPP	E,T,C	U-235 by AEA Total Cntg Error	SOIL	LA-508-471		+- 0.014	pCi/g	1.00	0.0	01/23/04	12/17/03	12/18/03
W030001208	B17T01	GPP	U-238	Uranium-238	SOIL	LA-508-471		0.180	pCi/g	1.00	0.020	01/23/04	12/17/03	12/18/03
W030001208	B17T01	GPP	E,T,C	U-238 by AEA Total Cntg Error	SOIL	LA-508-471		+- 0.061	pCi/g	1.00	0.10	01/23/04	12/17/03	12/18/03

MDL=Minimum Detection Limit
RQ=Result Qualifier

B - The Analyte detected in both the BLANK and the SAMPLE (org.)
C - The Analyte was in the Sample and Blank, Sample < = 5 x Blank
J - Analyte is an estimate, has potentially larger errors
B - The analyte < the RDL but > = the IDL/MDL (inorganic)
E - Analyte is an estimate, has potentially larger errors
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 F03-025

Group #: WSCF20031680

Sample #	Client ID	Lab Area	Test	Comment
		VALGROUP		VOA: Sample concentrations have been corrected for moisture. A J-flag is used for target concentrations which are less than the lowest calibration but greater than the detection limit. den
				ICP-AES: Bismuth LCS recovery was low (61%), the MS/MSD was within limits therefore no qualifiers given.

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 F03-025 :F03-025

Group #: WSCF20031680

Sample #	Client ID		Test Name	Peak Name	CAS#	RT	RQ	Result	Units
W030001203	B17RX1	GPP	Gamma Energy Analysis-grd H2O	PB-214				0.50	pCi/g
W030001203	B17RX1	GPP	Gamma Energy Analysis-grd H2O	BI-214				0.61	pCi/g
W030001203	B17RX1	GPP	Gamma Energy Analysis-grd H2O	RA-226				0.61	pCi/g
W030001203	B17RX1	GPP	Gamma Energy Analysis-grd H2O	PB-212				1.1	pCi/g
W030001203	B17RX1	GPP	Gamma Energy Analysis-grd H2O	K-40				13	pCi/g
W030001203	B17RX1	GPP	Gamma Energy Analysis-grd H2O	AM-241 Count Error				14	%
W030001203	B17RX1	GPP	Gamma Energy Analysis-grd H2O	K-40 Count Error				15	%
W030001203	B17RX1	GPP	Gamma Energy Analysis-grd H2O	PB-212 Count Error				27	%
W030001203	B17RX1	GPP	Gamma Energy Analysis-grd H2O	BI-214 Count Error				37	%
W030001203	B17RX1	GPP	Gamma Energy Analysis-grd H2O	RA-226 Count Error				37	%
W030001203	B17RX1	GPP	Gamma Energy Analysis-grd H2O	PB-214 Count Error				41	%
W030001203	B17RX1	GPP	SW-846 8270B Semi-Vols	SMP 8.595 Unknown	Unknown	8.595283	J	6.4e+02	ug/kg
W030001203	B17RX1	GPP	SW-846 8270B Semi-Vols	SMP 10.383 Unknown	Unknown	10.38318	J	8.4e+02	ug/kg
W030001204	B17RX5	GPP	Gamma Energy Analysis-grd H2O	BA-133				0.048	pCi/g
W030001204	B17RX5	GPP	Gamma Energy Analysis-grd H2O	BI-214				0.47	pCi/g
W030001204	B17RX5	GPP	Gamma Energy Analysis-grd H2O	RA-226				0.47	pCi/g
W030001204	B17RX5	GPP	Gamma Energy Analysis-grd H2O	PB-214				0.51	pCi/g
W030001204	B17RX5	GPP	Gamma Energy Analysis-grd H2O	PB-212				0.54	pCi/g
W030001204	B17RX5	GPP	Gamma Energy Analysis-grd H2O	K-40				12	pCi/g
W030001204	B17RX5	GPP	Gamma Energy Analysis-grd H2O	PB-214 Count Error				12	%
W030001204	B17RX5	GPP	Gamma Energy Analysis-grd H2O	BI-214 Count Error				15	%
W030001204	B17RX5	GPP	Gamma Energy Analysis-grd H2O	RA-226 Count Error				15	%
W030001204	B17RX5	GPP	Gamma Energy Analysis-grd H2O	TL-208 Count Error				16	%
W030001204	B17RX5	GPP	Gamma Energy Analysis-grd H2O	AC-228 Count Error				16	%
W030001204	B17RX5	GPP	Gamma Energy Analysis-grd H2O	RA-228 Count Error				16	%

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

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

Ground Water Protection Program

WSCF
TENTATIVELY IDENTIFIED PEAK REPORT

Attention: Steve Trent
Project Number F03-025 :F03-025

Group #: WSCF20031680

Sample #	Client ID		Test Name	Peak Name	CAS#	RT	RQ	Result	Units
W030001204	B17RX5	GPP	Gamma Energy Analysis-grd H2O	BA-133 Count Error				29	%
W030001204	B17RX5	GPP	Gamma Energy Analysis-grd H2O	U-235 Count Error				43	%
W030001204	B17RX5	GPP	Gamma Energy Analysis-grd H2O	BI-212 Count Error				45	%
W030001204	B17RX5	GPP	Gamma Energy Analysis-grd H2O	K-40 Count Error				9.2	%
W030001204	B17RX5	GPP	Gamma Energy Analysis-grd H2O	PB-212 Count Error				9.9	%
W030001205	B17RV4	GPP	Gamma Energy Analysis-grd H2O	BI-214				0.48	pCi/g
W030001205	B17RV4	GPP	Gamma Energy Analysis-grd H2O	RA-226				0.48	pCi/g
W030001205	B17RV4	GPP	Gamma Energy Analysis-grd H2O	PB-214				0.51	pCi/g
W030001205	B17RV4	GPP	Gamma Energy Analysis-grd H2O	PB-212				0.86	pCi/g
W030001205	B17RV4	GPP	Gamma Energy Analysis-grd H2O	K-40				12	pCi/g
W030001205	B17RV4	GPP	Gamma Energy Analysis-grd H2O	PB-212 Count Error				14	%
W030001205	B17RV4	GPP	Gamma Energy Analysis-grd H2O	K-40 Count Error				14	%
W030001205	B17RV4	GPP	Gamma Energy Analysis-grd H2O	PB-214 Count Error				14	%
W030001205	B17RV4	GPP	Gamma Energy Analysis-grd H2O	BI-214 Count Error				16	%
W030001205	B17RV4	GPP	Gamma Energy Analysis-grd H2O	RA-226 Count Error				16	%
W030001205	B17RV4	GPP	Gamma Energy Analysis-grd H2O	TL-208 Count Error				17	%
W030001205	B17RV4	GPP	Gamma Energy Analysis-grd H2O	AC-228 Count Error				17	%
W030001205	B17RV4	GPP	Gamma Energy Analysis-grd H2O	RA-228 Count Error				17	%
W030001205	B17RV4	GPP	Gamma Energy Analysis-grd H2O	BI-212 Count Error				25	%
W030001205	B17RV4	GPP	Gamma Energy Analysis-grd H2O	SN-126 Count Error				27	%
W030001205	B17RV4	GPP	Gamma Energy Analysis-grd H2O	U-235 Count Error				27	%
W030001206	B17RX9	GPP	Gamma Energy Analysis-grd H2O	BI-214				0.39	pCi/g
W030001206	B17RX9	GPP	Gamma Energy Analysis-grd H2O	RA-226				0.39	pCi/g
W030001206	B17RX9	GPP	Gamma Energy Analysis-grd H2O	PB-214				0.44	pCi/g
W030001206	B17RX9	GPP	Gamma Energy Analysis-grd H2O	PB-212				0.65	pCi/g

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

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 F03-025 :F03-025

Group #: WSCF20031680

Sample #	Client ID		Test Name	Peak Name	CAS#	RT	RQ	Result	Units
W030001206	B17RX9	GPP	Gamma Energy Analysis-grd H2O	K-40				11	pCi/g
W030001206	B17RX9	GPP	Gamma Energy Analysis-grd H2O	PB-214 Count Error				12	%
W030001206	B17RX9	GPP	Gamma Energy Analysis-grd H2O	BI-214 Count Error				15	%
W030001206	B17RX9	GPP	Gamma Energy Analysis-grd H2O	RA-226 Count Error				15	%
W030001206	B17RX9	GPP	Gamma Energy Analysis-grd H2O	TL-208 Count Error				16	%
W030001206	B17RX9	GPP	Gamma Energy Analysis-grd H2O	AC-228 Count Error				20	%
W030001206	B17RX9	GPP	Gamma Energy Analysis-grd H2O	RA-228 Count Error				20	%
W030001206	B17RX9	GPP	Gamma Energy Analysis-grd H2O	SN-126 Count Error				27	%
W030001206	B17RX9	GPP	Gamma Energy Analysis-grd H2O	BI-212 Count Error				37	%
W030001206	B17RX9	GPP	Gamma Energy Analysis-grd H2O	TH-234 Count Error				37	%
W030001206	B17RX9	GPP	Gamma Energy Analysis-grd H2O	U-235 Count Error				45	%
W030001206	B17RX9	GPP	Gamma Energy Analysis-grd H2O	K-40 Count Error				8.4	%
W030001206	B17RX9	GPP	Gamma Energy Analysis-grd H2O	PB-212 Count Error				9.8	%
W030001207	B17RY2	GPP	Gamma Energy Analysis-grd H2O	BI-214				0.17	pCi/g
W030001207	B17RY2	GPP	Gamma Energy Analysis-grd H2O	RA-226				0.17	pCi/g
W030001207	B17RY2	GPP	Gamma Energy Analysis-grd H2O	PB-214				0.17	pCi/g
W030001207	B17RY2	GPP	Gamma Energy Analysis-grd H2O	PB-212				0.26	pCi/g
W030001207	B17RY2	GPP	Gamma Energy Analysis-grd H2O	PB-214 Count Error				11	%
W030001207	B17RY2	GPP	Gamma Energy Analysis-grd H2O	BI-214 Count Error				15	%
W030001207	B17RY2	GPP	Gamma Energy Analysis-grd H2O	RA-226 Count Error				15	%
W030001207	B17RY2	GPP	Gamma Energy Analysis-grd H2O	TL-208 Count Error				17	%
W030001207	B17RY2	GPP	Gamma Energy Analysis-grd H2O	AC-228 Count Error				21	%
W030001207	B17RY2	GPP	Gamma Energy Analysis-grd H2O	RA-228 Count Error				21	%
W030001207	B17RY2	GPP	Gamma Energy Analysis-grd H2O	SN-126 Count Error				30	%
W030001207	B17RY2	GPP	Gamma Energy Analysis-grd H2O	U-235 Count Error				35	%

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

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 F03-025 :F03-025

Group #: WSCF20031680

Sample #	Client ID		Test Name	Peak Name	CAS#	RT	RQ	Result	Units
W030001207	B17RY2	GPP	Gamma Energy Analysis-grd H2O	TH-234 Count Error				37	%
W030001207	B17RY2	GPP	Gamma Energy Analysis-grd H2O	K-40				4.4	pCi/g
W030001207	B17RY2	GPP	Gamma Energy Analysis-grd H2O	BI-212 Count Error				47	%
W030001207	B17RY2	GPP	Gamma Energy Analysis-grd H2O	K-40 Count Error				9.3	%
W030001207	B17RY2	GPP	Gamma Energy Analysis-grd H2O	PB-212 Count Error				9.8	%
W030001208	B17T01	GPP	Gamma Energy Analysis-grd H2O	BA-133				0.052	pCi/g
W030001208	B17T01	GPP	Gamma Energy Analysis-grd H2O	BI-214				0.57	pCi/g
W030001208	B17T01	GPP	Gamma Energy Analysis-grd H2O	RA-226				0.57	pCi/g
W030001208	B17T01	GPP	Gamma Energy Analysis-grd H2O	PB-214				0.66	pCi/g
W030001208	B17T01	GPP	Gamma Energy Analysis-grd H2O	PB-212				1.1	pCi/g
W030001208	B17T01	GPP	Gamma Energy Analysis-grd H2O	PB-214 Count Error				11	%
W030001208	B17T01	GPP	Gamma Energy Analysis-grd H2O	TL-208 Count Error				14	%
W030001208	B17T01	GPP	Gamma Energy Analysis-grd H2O	BI-214 Count Error				14	%
W030001208	B17T01	GPP	Gamma Energy Analysis-grd H2O	RA-226 Count Error				14	%
W030001208	B17T01	GPP	Gamma Energy Analysis-grd H2O	AC-228 Count Error				16	%
W030001208	B17T01	GPP	Gamma Energy Analysis-grd H2O	RA-228 Count Error				16	%
W030001208	B17T01	GPP	Gamma Energy Analysis-grd H2O	K-40				19	pCi/g
W030001208	B17T01	GPP	Gamma Energy Analysis-grd H2O	BI-212 Count Error				25	%
W030001208	B17T01	GPP	Gamma Energy Analysis-grd H2O	BA-133 Count Error				31	%
W030001208	B17T01	GPP	Gamma Energy Analysis-grd H2O	U-235 Count Error				34	%
W030001208	B17T01	GPP	Gamma Energy Analysis-grd H2O	K-40 Count Error				9.1	%
W030001208	B17T01	GPP	Gamma Energy Analysis-grd H2O	PB-212 Count Error				9.4	%

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

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 \\ap006\aspdocs\WSCF\Sample Mgmt\ProcedureMethodCrossReference.pdf. This document includes on-line links to full-text versions of the procedures and methods, where available.

WSCF
METHOD REFERENCES REPORT

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	LA-523-443: GAS CHROMATOGRAPH ANALYSIS OF GASOLINE RANGE TOTAL PETROLEUM HYDROCA	
	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 \\ap006\aspdocs\WSCF\Sample Mgmt\ProcedureMethodCrossReference.pdf. This document includes on-line links to full-text versions of the procedures and methods, where available.

w13qlog v1 04-feb-2004 14:15:00

W13q Worklist/Batch/QC Report for Group# WSCF20031680

WL#	S#	Batch	QC#	Tray Type	Sample#	Test
				SAMPLE	W030001203	Percent Solids
				SAMPLE	W030001204	Percent Solids
				SAMPLE	W030001205	Percent Solids
				SAMPLE	W030001206	Percent Solids
				SAMPLE	W030001207	Percent Solids
				SAMPLE	W030001208	Percent Solids
				SAMPLE	W030001203	pH Soil and Waste Measurement
				SAMPLE	W030001204	pH Soil and Waste Measurement
				SAMPLE	W030001205	pH Soil and Waste Measurement
				SAMPLE	W030001206	pH Soil and Waste Measurement
				SAMPLE	W030001207	pH Soil and Waste Measurement
				SAMPLE	W030001208	pH Soil and Waste Measurement
			24461	BLANK		Cyanide by Midi/Spectrophotom
			24461	BLNK-PREP		Cyanide by Midi/Spectrophotom
			24461	DUP		Cyanide by Midi/Spectrophotom
			24461	LCS		Cyanide by Midi/Spectrophotom
			24461	LCS-2		Cyanide by Midi/Spectrophotom
			24461	MS	W030001203	Cyanide by Midi/Spectrophotom
			24461	MSD	W030001203	Cyanide by Midi/Spectrophotom
			24461	SAMPLE	W030001203	Cyanide by Midi/Spectrophotom
			24461	SPK-RPD	W030001203	Cyanide by Midi/Spectrophotom
			24461	SAMPLE	W030001204	Cyanide by Midi/Spectrophotom
			24461	SAMPLE	W030001205	Cyanide by Midi/Spectrophotom
			24461	SAMPLE	W030001206	Cyanide by Midi/Spectrophotom
			24461	SAMPLE	W030001207	Cyanide by Midi/Spectrophotom
			24461	SAMPLE	W030001208	Cyanide by Midi/Spectrophotom
21128	2	21507	24476	BLANK		Anions by Ion Chromatography
21128	14	21507	24476	BLANK		Anions by Ion Chromatography
21128	3	21507	24476	LCS		Anions by Ion Chromatography
21128	5	21507	24476	DUP	W030001203	Anions by Ion Chromatography
21128	6	21507	24476	MS	W030001203	Anions by Ion Chromatography
21128	7	21507	24476	MSD	W030001203	Anions by Ion Chromatography
21128	4	21507	24476	SAMPLE	W030001203	Anions by Ion Chromatography
21128	8	21507	24476	SAMPLE	W030001204	Anions by Ion Chromatography
21128	9	21507	24476	SAMPLE	W030001205	Anions by Ion Chromatography
21128	10	21507	24476	SAMPLE	W030001206	Anions by Ion Chromatography
21128	11	21507	24476	SAMPLE	W030001207	Anions by Ion Chromatography
21128	12	21507	24476	SAMPLE	W030001208	Anions by Ion Chromatography
			24485	BLANK		WTPH-D TPH Diesel Range (Wa)
			24485	LCS		WTPH-D TPH Diesel Range (Wa)
			24485	MS	W030001203	WTPH-D TPH Diesel Range (Wa)
			24485	MSD	W030001203	WTPH-D TPH Diesel Range (Wa)
			24485	SAMPLE	W030001203	WTPH-D TPH Diesel Range (Wa)
			24485	SURR	W030001203	WTPH-D TPH Diesel Range (Wa)
			24485	SAMPLE	W030001204	WTPH-D TPH Diesel Range (Wa)
			24485	SURR	W030001204	WTPH-D TPH Diesel Range (Wa)
			24485	SAMPLE	W030001205	WTPH-D TPH Diesel Range (Wa)
			24485	SURR	W030001205	WTPH-D TPH Diesel Range (Wa)
			24485	SAMPLE	W030001206	WTPH-D TPH Diesel Range (Wa)
			24485	SURR	W030001206	WTPH-D TPH Diesel Range (Wa)
			24485	SAMPLE	W030001207	WTPH-D TPH Diesel Range (Wa)

			24485	SURR	W030001207	WTPH-D TPH Diesel Range (Wa)
			24485	SAMPLE	W030001208	WTPH-D TPH Diesel Range (Wa)
			24485	SURR	W030001208	WTPH-D TPH Diesel Range (Wa)
			24485	MS	W030001217	WTPH-D TPH Diesel Range (Wa)
			24485	MSD	W030001217	WTPH-D TPH Diesel Range (Wa)
			24485	SPK-RPD	W030001217	WTPH-D TPH Diesel Range (Wa)
			24489	BLANK		PCBs complete list
			24489	LCS		PCBs complete list
			24489	SAMPLE	W030001203	PCBs complete list
			24489	SURR	W030001203	PCBs complete list
			24489	SAMPLE	W030001204	PCBs complete list
			24489	SURR	W030001204	PCBs complete list
			24489	MS	W030001205	PCBs complete list
			24489	MSD	W030001205	PCBs complete list
			24489	SAMPLE	W030001205	PCBs complete list
			24489	SPK-RPD	W030001205	PCBs complete list
			24489	SURR	W030001205	PCBs complete list
			24489	SAMPLE	W030001206	PCBs complete list
			24489	SURR	W030001206	PCBs complete list
			24489	SAMPLE	W030001207	PCBs complete list
			24489	SURR	W030001207	PCBs complete list
			24489	SAMPLE	W030001208	PCBs complete list
			24489	SURR	W030001208	PCBs complete list
21165	3	21530	24502	LCS		Ammonia (N) by IC
21165	5	21530	24502	DUP	W030001203	Ammonia (N) by IC
21165	6	21530	24502	MS	W030001203	Ammonia (N) by IC
21165	7	21530	24502	MSD	W030001203	Ammonia (N) by IC
21165	4	21530	24502	SAMPLE	W030001203	Ammonia (N) by IC
21165	8	21530	24502	SAMPLE	W030001204	Ammonia (N) by IC
21165	9	21530	24502	SAMPLE	W030001205	Ammonia (N) by IC
21165	10	21530	24502	SAMPLE	W030001206	Ammonia (N) by IC
21165	11	21530	24502	SAMPLE	W030001207	Ammonia (N) by IC
21165	14	21530	24502	SAMPLE	W030001208	Ammonia (N) by IC
			24506	BLANK		SW-846 8270B Semi-Vols
			24506	LCS		SW-846 8270B Semi-Vols
			24506	MS	W030001203	SW-846 8270B Semi-Vols
			24506	MSD	W030001203	SW-846 8270B Semi-Vols
			24506	SAMPLE	W030001203	SW-846 8270B Semi-Vols
			24506	SURR	W030001203	SW-846 8270B Semi-Vols
			24506	SAMPLE	W030001204	SW-846 8270B Semi-Vols
			24506	SURR	W030001204	SW-846 8270B Semi-Vols
			24506	SAMPLE	W030001205	SW-846 8270B Semi-Vols
			24506	SURR	W030001205	SW-846 8270B Semi-Vols
			24506	SAMPLE	W030001206	SW-846 8270B Semi-Vols
			24506	SURR	W030001206	SW-846 8270B Semi-Vols
			24506	SAMPLE	W030001207	SW-846 8270B Semi-Vols
			24506	SURR	W030001207	SW-846 8270B Semi-Vols
			24506	SAMPLE	W030001208	SW-846 8270B Semi-Vols
			24506	SURR	W030001208	SW-846 8270B Semi-Vols
			24506	MS	W030001217	SW-846 8270B Semi-Vols
			24506	MSD	W030001217	SW-846 8270B Semi-Vols
			24506	SPK-RPD	W030001217	SW-846 8270B Semi-Vols
21178	1	21551	24513	BLANK		ICP-2008 MS All possible metal
21178	20	21551	24513	BLANK		ICP-2008 MS All possible metal
21178	2	21551	24513	LCS		ICP-2008 MS All possible metal
21178	21	21551	24513	LCS		ICP-2008 MS All possible metal

21178	4	21551	24513	MS	W030001117	ICP-2008 MS All possible metal
21178	5	21551	24513	MSD	W030001117	ICP-2008 MS All possible metal
21178	23	21551	24513	MS	W030001142	ICP-2008 MS All possible metal
21178	24	21551	24513	MSD	W030001142	ICP-2008 MS All possible metal
21178	14	21551	24513	SAMPLE	W030001203	ICP-2008 MS All possible metal
21178	15	21551	24513	SAMPLE	W030001204	ICP-2008 MS All possible metal
21178	16	21551	24513	SAMPLE	W030001205	ICP-2008 MS All possible metal
21178	17	21551	24513	SAMPLE	W030001206	ICP-2008 MS All possible metal
21178	18	21551	24513	SAMPLE	W030001207	ICP-2008 MS All possible metal
21178	19	21551	24513	SAMPLE	W030001208	ICP-2008 MS All possible metal
21131	1	21510	24551	BLANK		Gamma Energy Analysis-grd H2O
21131	2	21510	24551	LCS		Gamma Energy Analysis-grd H2O
21131	3	21510	24551	DUP	W030001203	Gamma Energy Analysis-grd H2O
21131	4	21510	24551	SAMPLE	W030001203	Gamma Energy Analysis-grd H2O
21131	5	21510	24551	SAMPLE	W030001204	Gamma Energy Analysis-grd H2O
21131	6	21510	24551	SAMPLE	W030001205	Gamma Energy Analysis-grd H2O
21131	7	21510	24551	SAMPLE	W030001206	Gamma Energy Analysis-grd H2O
21131	8	21510	24551	SAMPLE	W030001207	Gamma Energy Analysis-grd H2O
21131	9	21510	24551	SAMPLE	W030001208	Gamma Energy Analysis-grd H2O
			24572	BLANK		VOA Ground Water Protection
			24572	LCS		VOA Ground Water Protection
			24572	SAMPLE	W030001203	VOA Ground Water Protection
			24572	SURR	W030001203	VOA Ground Water Protection
			24572	MS	W030001204	VOA Ground Water Protection
			24572	MSD	W030001204	VOA Ground Water Protection
			24572	SAMPLE	W030001204	VOA Ground Water Protection
			24572	SPK-RPD	W030001204	VOA Ground Water Protection
			24572	SURR	W030001204	VOA Ground Water Protection
			24572	SAMPLE	W030001205	VOA Ground Water Protection
			24572	SURR	W030001205	VOA Ground Water Protection
			24572	SAMPLE	W030001206	VOA Ground Water Protection
			24572	SURR	W030001206	VOA Ground Water Protection
			24572	SAMPLE	W030001207	VOA Ground Water Protection
			24572	SURR	W030001207	VOA Ground Water Protection
			24572	SAMPLE	W030001208	VOA Ground Water Protection
			24572	SURR	W030001208	VOA Ground Water Protection
21248	1	21623	24604	BLANK		Alcohols, Glycols - 8015
21248	2	21623	24604	LCS		Alcohols, Glycols - 8015
21248	3	21623	24604	SAMPLE	W030001203	Alcohols, Glycols - 8015
21248	5	21623	24604	MS	W030001204	Alcohols, Glycols - 8015
21248	6	21623	24604	MSD	W030001204	Alcohols, Glycols - 8015
21248	4	21623	24604	SAMPLE	W030001204	Alcohols, Glycols - 8015
21248	6	21623	24604	SPK-RPD	W030001204	Alcohols, Glycols - 8015
21248	7	21623	24604	SAMPLE	W030001205	Alcohols, Glycols - 8015
21248	8	21623	24604	SAMPLE	W030001206	Alcohols, Glycols - 8015
21248	9	21623	24604	SAMPLE	W030001207	Alcohols, Glycols - 8015
21248	10	21623	24604	SAMPLE	W030001208	Alcohols, Glycols - 8015
21253	1	21628	24605	BLANK		NWTPH-GX TPH Gasoline Range
21253	2	21628	24605	LCS		NWTPH-GX TPH Gasoline Range
21253	4	21628	24605	DUP	W030001203	NWTPH-GX TPH Gasoline Range
21253	3	21628	24605	SAMPLE	W030001203	NWTPH-GX TPH Gasoline Range
21253	6	21628	24605	MS	W030001204	NWTPH-GX TPH Gasoline Range
21253	7	21628	24605	MSD	W030001204	NWTPH-GX TPH Gasoline Range
21253	5	21628	24605	SAMPLE	W030001204	NWTPH-GX TPH Gasoline Range
21253	7	21628	24605	SPK-RPD	W030001204	NWTPH-GX TPH Gasoline Range
21253	8	21628	24605	SAMPLE	W030001205	NWTPH-GX TPH Gasoline Range

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20031680
Matrix: SOLID
Test: WTPH-D TPH Diesel Range (Wa)

SAF Number: F03-025
Sample Date: 12/17/03
Receive Date: 12/18/03

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
Lab ID: W030001203									
BATCH QC ASSOCIATED WITH SAMPLE									
MS	ortho-Terphenyl Surr	84-15-1	24964	86.500	% Recov	12/30/03	70.000	130.000	
MS	Total Pet. Hydrocarbons Diesel	TPHDIESEL	126040	87.300	% Recov	12/30/03	75.000	125.000	
MSD	ortho-Terphenyl Surr	84-15-1	26919	93.500	% Recov	12/30/03	70.000	130.000	
MSD	Total Pet. Hydrocarbons Diesel	TPHDIESEL	138240	96.000	% Recov	12/30/03	75.000	125.000	
SURR	ortho-Terphenyl Surr	84-15-1	25520	88.400	% Recov	12/30/03	70.000	130.000	
Lab ID: W030001204									
BATCH QC ASSOCIATED WITH SAMPLE									
SURR	ortho-Terphenyl Surr	84-15-1	26240	102.000	% Recov	12/30/03	70.000	130.000	
Lab ID: W030001205									
BATCH QC ASSOCIATED WITH SAMPLE									
SURR	ortho-Terphenyl Surr	84-15-1	23251	88.200	% Recov	12/30/03	70.000	130.000	
Lab ID: W030001206									
BATCH QC ASSOCIATED WITH SAMPLE									
SURR	ortho-Terphenyl Surr	84-15-1	25290	95.900	% Recov	12/30/03	70.000	130.000	
Lab ID: W030001207									
BATCH QC ASSOCIATED WITH SAMPLE									
SURR	ortho-Terphenyl Surr	84-15-1	23808	88.800	% Recov	12/31/03	70.000	130.000	
Lab ID: W030001208									
BATCH QC ASSOCIATED WITH SAMPLE									
SURR	ortho-Terphenyl Surr	84-15-1	22718	87.200	% Recov	12/31/03	70.000	130.000	

21253	9	21628	24605	SAMPLE	W030001206	NWTPH-GX TPH Gasoline Range
21253	10	21628	24605	SAMPLE	W030001207	NWTPH-GX TPH Gasoline Range
21253	11	21628	24605	SAMPLE	W030001208	NWTPH-GX TPH Gasoline Range
21191	1	21563	24611	BLANK		& Neptunium by AEA
21191	2	21563	24611	LCS		& Neptunium by AEA
21191	3	21563	24611	DUP	W030001203	& Neptunium by AEA
21191	4	21563	24611	SAMPLE	W030001203	& Neptunium by AEA
21191	5	21563	24611	SAMPLE	W030001204	& Neptunium by AEA
21191	6	21563	24611	SAMPLE	W030001205	& Neptunium by AEA
21191	7	21563	24611	SAMPLE	W030001206	& Neptunium by AEA
21191	8	21563	24611	SAMPLE	W030001207	& Neptunium by AEA
21191	9	21563	24611	SAMPLE	W030001208	& Neptunium by AEA
21140	1	21519	24672	BLANK		ICP Metals Analysis, Grd H20 P
21140	2	21519	24672	LCS		ICP Metals Analysis, Grd H20 P
21140	4	21519	24672	MS	W030001117	ICP Metals Analysis, Grd H20 P
21140	5	21519	24672	MSD	W030001117	ICP Metals Analysis, Grd H20 P
21140	0	21519	24672	SPK-RPD	W030001117	ICP Metals Analysis, Grd H20 P
21140	13	21519	24672	SAMPLE	W030001203	ICP Metals Analysis, Grd H20 P
21140	14	21519	24672	SAMPLE	W030001204	ICP Metals Analysis, Grd H20 P
21140	15	21519	24672	SAMPLE	W030001205	ICP Metals Analysis, Grd H20 P
21140	16	21519	24672	SAMPLE	W030001206	ICP Metals Analysis, Grd H20 P
21140	17	21519	24672	SAMPLE	W030001207	ICP Metals Analysis, Grd H20 P
21140	18	21519	24672	SAMPLE	W030001208	ICP Metals Analysis, Grd H20 P
21324	1	21696	24715	BLANK		Uranium Isotopics by AEA
21324	2	21696	24715	LCS		Uranium Isotopics by AEA
21324	3	21696	24715	DUP	W030001203	Uranium Isotopics by AEA
21324	4	21696	24715	SAMPLE	W030001203	Uranium Isotopics by AEA
21324	5	21696	24715	SAMPLE	W030001204	Uranium Isotopics by AEA
21324	6	21696	24715	SAMPLE	W030001205	Uranium Isotopics by AEA
21324	7	21696	24715	SAMPLE	W030001206	Uranium Isotopics by AEA
21324	8	21696	24715	SAMPLE	W030001207	Uranium Isotopics by AEA
21324	9	21696	24715	SAMPLE	W030001208	Uranium Isotopics by AEA
21325	1	21697	24721	BLANK		Plutonium Isotopics by AEA
21325	2	21697	24721	LCS		Plutonium Isotopics by AEA
21325	3	21697	24721	DUP	W030001203	Plutonium Isotopics by AEA
21325	4	21697	24721	SAMPLE	W030001203	Plutonium Isotopics by AEA
21325	5	21697	24721	SAMPLE	W030001204	Plutonium Isotopics by AEA
21325	6	21697	24721	SAMPLE	W030001205	Plutonium Isotopics by AEA
21325	7	21697	24721	SAMPLE	W030001206	Plutonium Isotopics by AEA
21325	8	21697	24721	SAMPLE	W030001207	Plutonium Isotopics by AEA
21325	9	21697	24721	SAMPLE	W030001208	Plutonium Isotopics by AEA
21326	1	21698	24722	BLANK		Americium by AEA
21326	2	21698	24722	LCS		Americium by AEA
21326	5	21698	24722	SAMPLE	W030001204	Americium by AEA
21326	6	21698	24722	SAMPLE	W030001205	Americium by AEA
21326	7	21698	24722	SAMPLE	W030001206	Americium by AEA
21326	8	21698	24722	SAMPLE	W030001207	Americium by AEA
21326	9	21698	24722	SAMPLE	W030001208	Americium by AEA
21410	1	21782	24782	BLANK		Americium by AEA
21410	2	21782	24782	LCS		Americium by AEA
21410	3	21782	24782	DUP	W030001203	Americium by AEA
21410	4	21782	24782	SAMPLE	W030001203	Americium by AEA

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20031680
Matrix: SOLID
Test: Cyanide by Midi/Spectrophotom

SAF Number: F03-025
Sample Date: 12/17/03
Receive Date:12/18/03

Lab ID: W030001203

BATCH QC ASSOCIATED WITH SAMPLE

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
MS	Cyanide by Midi/Spectrophotom	57-12-5	89.3	89.300	% Recov	12/31/03	75.000	125.000	
MSD	Cyanide by Midi/Spectrophotom	57-12-5	97.2	97.200	% Recov	12/31/03	75.000	125.000	
SPK-RPD	Cyanide by Midi/Spectrophotom	57-12-5	97.200	8.472	RPD	12/31/03	0.000	20.000	

BATCH QC

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
BLANK	Cyanide by Midi/Spectrophotom	57-12-5	<1	n/a	ug/L	12/31/03	-4.000	4.000	U
BLNK-PREP	Cyanide by Midi/Spectrophotom	57-12-5	<1	n/a	ug/L	12/31/03	-4.000	4.000	U
DUP	Cyanide by Midi/Spectrophotom	57-12-5	n/a	n/a	RPD	12/31/03	0.000	20.000	
LCS	Cyanide by Midi/Spectrophotom	57-12-5	99.7	99.700	% Recov	12/31/03	85.000	115.000	
LCS-2	Cyanide by Midi/Spectrophotom	57-12-5	n/a	n/a	% Recov	12/31/03	85.000	115.000	

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20031680
Matrix: SOLID
Test: Anions by Ion Chromatography

SAF Number: F03-025
Sample Date: 12/17/03
Receive Date: 12/18/03

Lab ID: W030001203

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	5.50e+00	16.963	RPD	12/30/03	0.000	20.000	
DUP	Fluoride	16984-48-8	2.88e+00	4.982	RPD	12/30/03	0.000	20.000	
DUP	Nitrogen in Nitrite	NO2-N	<9.31e-1	n/a	RPD	12/30/03	0.000	20.000	U
DUP	Nitrogen in Nitrate	NO3-N	1.03e+01	12.920	RPD	12/30/03	0.000	20.000	
DUP	Phosphate	14265-44-2	<2.65e0	n/a	RPD	12/30/03	0.000	20.000	U
DUP	Sulfate	14808-79-8	1.39e+01	21.514	RPD	12/30/03	0.000	20.000	
MS	Chloride	16887-00-6	8.96e-01	90.505	% Recov	12/30/03	75.000	125.000	
MS	Fluoride	16984-48-8	5.34e-01	109.202	% Recov	12/30/03	75.000	125.000	
MS	Nitrogen in Nitrite	NO2-N	4.91e-01	97.421	% Recov	12/30/03	75.000	125.000	
MS	Nitrogen in Nitrate	NO3-N	4.63e-01	103.812	% Recov	12/30/03	75.000	125.000	
MS	Phosphate	14265-44-2	9.06e-01	94.473	% Recov	12/30/03	75.000	125.000	
MS	Sulfate	14808-79-8	1.79e+00	90.863	% Recov	12/30/03	75.000	125.000	
MSD	Chloride	16887-00-6	8.83e-01	89.192	% Recov	12/30/03	75.000	125.000	
MSD	Fluoride	16984-48-8	5.32e-01	108.793	% Recov	12/30/03	75.000	125.000	
MSD	Nitrogen in Nitrite	NO2-N	4.80e-01	95.238	% Recov	12/30/03	75.000	125.000	
MSD	Nitrogen in Nitrate	NO3-N	4.24e-01	95.067	% Recov	12/30/03	75.000	125.000	
MSD	Phosphate	14265-44-2	1.02e+00	106.361	% Recov	12/30/03	75.000	125.000	
MSD	Sulfate	14808-79-8	1.87e+00	94.924	% Recov	12/30/03	75.000	125.000	

BATCH QC

BLANK	Chloride	16887-00-6	<5.20e-2	n/a	mg/L	12/30/03	0.000	300.000	U
BLANK	Chloride	16887-00-6	<5.20e-2	n/a	mg/L	12/30/03	0.000	300.000	U
BLANK	Fluoride	16984-48-8	<2.30e-2	n/a	mg/L	12/30/03	0.000	300.000	U
BLANK	Fluoride	16984-48-8	<2.30e-2	n/a	mg/L	12/30/03	0.000	300.000	U
BLANK	Nitrogen in Nitrite	NO2-N	<1.90e-2	n/a	mg/L	12/30/03	0.000	300.000	U
BLANK	Nitrogen in Nitrite	NO2-N	<1.90e-2	n/a	mg/L	12/30/03	0.000	300.000	U

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20031680
Matrix: SOLID
Test: Anions by Ion Chromatography

SAF Number: F03-025
Sample Date:
Receive Date:

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
BLANK	Nitrogen in Nitrate	NO3-N	<1.30e-2	n/a	mg/L	12/30/03	0.000	300.000	U
BLANK	Nitrogen in Nitrate	NO3-N	<1.30e-2	n/a	mg/L	12/30/03	0.000	300.000	U
BLANK	Phosphate	14265-44-2	<5.40e-2	n/a	mg/L	12/30/03	0.000	300.000	U
BLANK	Phosphate	14265-44-2	<5.40e-2	n/a	mg/L	12/30/03	0.000	300.000	U
BLANK	Sulfate	14808-79-8	<1.00e-1	n/a	mg/L	12/30/03	0.000	300.000	U
BLANK	Sulfate	14808-79-8	<1.00e-1	n/a	mg/L	12/30/03	0.000	300.000	U
LCS	Chloride	16887-00-6	1.95e+02	97.500	% Recov	12/30/03	80.000	120.000	
LCS	Fluoride	16984-48-8	9.67e+01	97.974	% Recov	12/30/03	80.000	120.000	
LCS	Nitrogen in Nitrite	NO2-N	9.96e+01	99.600	% Recov	12/30/03	80.000	120.000	
LCS	Nitrogen in Nitrate	NO3-N	8.62e+01	95.671	% Recov	12/30/03	80.000	120.000	
LCS	Phosphate	14265-44-2	1.85e+02	95.459	% Recov	12/30/03	80.000	120.000	
LCS	Sulfate	14808-79-8	3.84e+02	96.241	% Recov	12/30/03	80.000	120.000	

WSCF ANALYTICAL LABORATORY QC REPORT

2 - 56

SDG Number: WSCF20031680
Matrix: SOLID
Test: WTPH-D TPH Diesel Range (Wa)

SAF Number: F03-025
Sample Date: 12/17/03
Receive Date:12/18/03

Lab ID: W030001217

BATCH QC ASSOCIATED WITH SAMPLE

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
MS	ortho-Terphenyl Surr	84-15-1	25098	95.300	% Recov	12/31/03	70.000	130.000	
MS	Total Pet. Hydrocarbons Diesel	TPHDIESEL	244940	93.000	% Recov	12/31/03	75.000	125.000	
MSD	ortho-Terphenyl Surr	84-15-1	22737	86.100	% Recov	12/31/03	70.000	130.000	
MSD	Total Pet. Hydrocarbons Diesel	TPHDIESEL	113070	85.700	% Recov	12/31/03	75.000	125.000	
SPK-RPD	ortho-Terphenyl Surr	84-15-1	86.100	10.143	RPD	12/30/03	0.000	20.000	
SPK-RPD	Total Pet. Hydrocarbons Diesel	TPHDIESEL	85.700	8.170	RPD	12/30/03	0.000	20.000	

BATCH QC

BLANK	Kerosene	TPHKEROSENE	< 3800	n/a	ug/Kg	12/30/03			U
BLANK	ortho-Terphenyl Surr	84-15-1	24165	96.700	% Recov	12/30/03	70.000	130.000	
BLANK	Total Pet. Hydrocarbons Diesel	TPHDIESEL	< 3800	n/a	ug/Kg	12/30/03			U
LCS	Kerosene	TPHKEROSENE	113360	90.700	%Recove	12/30/03	70.000	130.000	
LCS	ortho-Terphenyl Surr	84-15-1	22495	90.000	% Recov	12/30/03	70.000	130.000	

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20031680
Matrix: SOLID
Test: PCBs complete list

SAF Number: F03-025
Sample Date: 12/17/03
Receive Date:12/18/03

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
Lab ID: W030001203									
BATCH QC ASSOCIATED WITH SAMPLE									
SURR	Decachlorobiphenyl	2051-24-3	889.98	77.400	% Recov	01/05/04	50.000	150.000	
SURR	Tetrachloro-m-xylene	877-09-8	827.70	72.000	% Recov	01/05/04	50.000	150.000	
Lab ID: W030001204									
BATCH QC ASSOCIATED WITH SAMPLE									
SURR	Decachlorobiphenyl	2051-24-3	1008.7	100.000	% Recov	01/05/04	50.000	150.000	
SURR	Tetrachloro-m-xylene	877-09-8	787.43	78.300	% Recov	01/05/04	50.000	150.000	
Lab ID: W030001205									
BATCH QC ASSOCIATED WITH SAMPLE									
MS	Aroclor-1254	11097-69-1	853.97	82.700	% Recov	01/06/04	75.000	125.000	
MS	Decachlorobiphenyl	2051-24-3	826.04	80.000	% Recov	01/06/04	50.000	150.000	
MS	Tetrachloro-m-xylene	877-09-8	793.18	76.800	% Recov	01/06/04	50.000	150.000	
MSD	Aroclor-1254	11097-69-1	941.40	91.800	% Recov	01/06/04	75.000	125.000	
MSD	Decachlorobiphenyl	2051-24-3	903.68	88.100	% Recov	01/06/04	50.000	150.000	
MSD	Tetrachloro-m-xylene	877-09-8	798.75	77.900	% Recov	01/06/04	50.000	150.000	
SPK-RPD	Aroclor-1254	11097-69-1	91.800	10.430	RPD	01/05/04	0.000	25.000	
SPK-RPD	Decachlorobiphenyl	2051-24-3	88.100	9.637	RPD	01/05/04	0.000	20.000	
SPK-RPD	Tetrachloro-m-xylene	877-09-8	77.900	1.422	RPD	01/05/04	0.000	20.000	
SURR	Decachlorobiphenyl	2051-24-3	857.64	82.400	% Recov	01/05/04	50.000	150.000	
SURR	Tetrachloro-m-xylene	877-09-8	730.87	70.200	% Recov	01/05/04	50.000	150.000	
Lab ID: W030001206									
BATCH QC ASSOCIATED WITH SAMPLE									
SURR	Decachlorobiphenyl	2051-24-3	919.97	87.700	% Recov	01/05/04	50.000	150.000	
SURR	Tetrachloro-m-xylene	877-09-8	872.31	83.200	% Recov	01/05/04	50.000	150.000	

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20031680
Matrix: SOLID
Test: PCBs complete list

SAF Number: F03-025
Sample Date: 12/17/03
Receive Date:12/18/03

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
Lab ID: W030001207									
BATCH QC ASSOCIATED WITH SAMPLE									
SURR	Decachlorobiphenyl	2051-24-3	937.34	89.000	% Recov	01/05/04	50.000	150.000	
SURR	Tetrachloro-m-xylene	877-09-8	739.39	70.200	% Recov	01/05/04	50.000	150.000	
Lab ID: W030001208									
BATCH QC ASSOCIATED WITH SAMPLE									
SURR	Decachlorobiphenyl	2051-24-3	889.39	88.100	% Recov	01/05/04	50.000	150.000	
SURR	Tetrachloro-m-xylene	877-09-8	760.82	75.300	% Recov	01/05/04	50.000	150.000	
BATCH QC									
BLANK	Aroclor-1016	12674-11-2	< 50	n/a	UGKG	01/05/04			U
BLANK	Aroclor-1221	11104-28-2	< 100	n/a	ug/Kg	01/05/04			U
BLANK	Aroclor-1232	11141-16-5	< 50	n/a	ug/Kg	01/05/04			U
BLANK	Aroclor-1242	53469-21-9	< 50	n/a	ug/Kg	01/05/04			U
BLANK	Aroclor-1248	12672-29-6	< 50	n/a	ug/Kg	01/05/04			U
BLANK	Aroclor-1254	11097-69-1	< 50	n/a	ug/Kg	01/05/04			U
BLANK	Aroclor-1260	11096-82-5	< 50	n/a	ug/Kg	01/05/04			U
BLANK	Aroclor-1262	37324-23-5	< 50	n/a	ug/Kg	01/05/04			U
BLANK	Aroclor-1268	11100-14-4	< 50	n/a	ug/Kg	01/05/04			U
BLANK	Decachlorobiphenyl	2051-24-3	830.63	83.100	% Recov	01/05/04	50.000	150.000	
BLANK	Tetrachloro-m-xylene	877-09-8	805.57	80.600	% Recov	01/05/04	50.000	150.000	
LCS	Aroclor-1254	11097-69-1	808.99	80.900	% Recov	01/05/04	70.000	130.000	
LCS	Decachlorobiphenyl	2051-24-3	771.40	77.100	% Recov	01/05/04	50.000	150.000	
LCS	Tetrachloro-m-xylene	877-09-8	701.44	70.100	% Recov	01/05/04	50.000	150.000	

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20031680
Matrix: SOLID
Test: Ammonia (N) by IC

SAF Number: F03-025
Sample Date: 12/17/03
Receive Date:12/18/03

2 - 59

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
Lab ID: W030001203									
BATCH QC ASSOCIATED WITH SAMPLE									
DUP	Ammonia (N) by IC	7664-41-7	3.49e-01	1.734	RPD	12/30/03	0.000	20.000	
MS	Ammonia (N) by IC	7664-41-7	1.74e-01	106.098	% Recov	12/30/03	75.000	125.000	
MSD	Ammonia (N) by IC	7664-41-7	1.57e-01	95.732	% Recov	12/30/03	75.000	125.000	
BATCH QC									
BLANK	Ammonia (N) by IC	7664-41-7	<4.00e-3	n/a	mg/L	12/30/03	0.000	30.000	U
BLANK	Ammonia (N) by IC	7664-41-7	<4.00e-3	n/a	mg/L	12/30/03	0.000	30.000	U
LCS	Ammonia (N) by IC	7664-41-7	7.89e+01	95.752	% Recov	12/30/03	80.000	120.000	

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20031680
Matrix: SOLID
Test: SW-846 8270B Semi-Vols

SAF Number: F03-025
Sample Date: 12/17/03
Receive Date:12/18/03

Lab ID: W030001203
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	3070.5	92.300	% Recov	01/05/04	46.000	107.000	
MS	1,4-Dichlorobenzene	106-46-7	2675.5	80.400	% Recov	01/05/04	30.000	96.000	
MS	2,4-Dinitrotoluene	121-14-2	3044.9	91.500	% Recov	01/05/04	59.000	106.000	
MS	2-Fluorophenol	367-12-4	2513.8	75.500	%Recove	01/05/04	42.000	105.000	
MS	Acenaphthene	83-32-9	3298.2	99.100	% Recov	01/05/04	61.000	116.000	
MS	4-Chloro-3-methylphenol	59-50-7	4462.0	89.400	% Recov	01/05/04	61.000	106.000	
MS	2-Chlorophenol	95-57-8	3913.2	78.400	% Recov	01/05/04	66.000	106.000	
MS	N-Nitrosodi-n-dipropylamine	621-64-7	2822.1	84.800	% Recov	01/05/04	71.000	114.000	
MS	2-Fluorobiphenyl	321-60-8	3295.4	99.000	%Recove	01/05/04	56.000	122.000	
MS	Phenol	108-95-2	4697.2	94.100	% Recov	01/05/04	42.000	111.000	
MS	Nitrobenzene-d5	4165-60-0	2867.4	86.200	%Recove	01/05/04	64.000	111.000	
MS	4-Nitrophenol	100-02-7	4183.6	83.800	% Recov	01/05/04	32.000	118.000	
MS	Pentachlorophenol	87-86-5	4441.5	89.000	% Recov	01/05/04	62.000	114.000	
MS	Phenol-d5	4165-62-2	3232.1	97.100	%Recove	01/05/04	54.000	120.000	
MS	Pyrene	129-00-0	3108.0	93.400	% Recov	01/05/04	66.000	118.000	
MS	2,4,6-Tribromophenol	118-79-6	3483.5	105.000	%Recove	01/05/04	24.000	122.000	
MS	Terphenyl-d14 (7Cl)	98904-43-9	3243.2	97.500	%Recove	01/05/04	35.000	150.000	
MSD	1,2,4-Trichlorobenzene	120-82-1	3054.7	91.800	% Recov	01/05/04	46.000	107.000	
MSD	1,4-Dichlorobenzene	106-46-7	2647.7	79.600	% Recov	01/05/04	30.000	96.000	
MSD	2,4-Dinitrotoluene	121-14-2	2965.5	89.100	% Recov	01/05/04	59.000	106.000	
MSD	2-Fluorophenol	367-12-4	2367.5	71.100	%Recove	01/05/04	42.000	105.000	
MSD	Acenaphthene	83-32-9	3297.3	99.100	% Recov	01/05/04	61.000	116.000	
MSD	4-Chloro-3-methylphenol	59-50-7	4470.7	89.600	% Recov	01/05/04	61.000	106.000	
MSD	2-Chlorophenol	95-57-8	3842.0	77.000	% Recov	01/05/04	66.000	106.000	
MSD	N-Nitrosodi-n-dipropylamine	621-64-7	2601.5	78.200	% Recov	01/05/04	71.000	114.000	
MSD	2-Fluorobiphenyl	321-60-8	3293.0	99.000	%Recove	01/05/04	56.000	122.000	

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20031680
Matrix: SOLID
Test: SW-846 8270B Semi-Vols

SAF Number: F03-025
Sample Date: 12/17/03
Receive Date:12/18/03

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
MSD	Phenol	108-95-2	4680.7	93.800	% Recov	01/05/04	42.000	111.000	
MSD	Nitrobenzene-d5	4165-60-0	2837.9	85.300	%Recove	01/05/04	64.000	111.000	
MSD	4-Nitrophenol	100-02-7	3911.6	78.400	% Recov	01/05/04	32.000	118.000	
MSD	Pentachlorophenol	87-86-5	4125.2	82.600	% Recov	01/05/04	62.000	114.000	
MSD	Phenol-d5	4165-62-2	3417.6	103.000	%Recove	01/05/04	54.000	120.000	
MSD	Pyrene	129-00-0	2995.6	90.000	% Recov	01/05/04	66.000	118.000	
MSD	2,4,6-Tribromophenol	118-79-6	3166.4	95.200	%Recove	01/05/04	24.000	122.000	
MSD	Terphenyl-d14 (7Cl)	98904-43-9	3209.2	96.400	%Recove	01/05/04	35.000	150.000	
SURR	2-Fluorophenol	367-12-4	2905.1	87.300	%Recove	01/05/04	42.000	105.000	
SURR	2-Fluorobiphenyl	321-60-8	3560.9	107.000	%Recove	01/05/04	56.000	122.000	
SURR	Nitrobenzene-d5	4165-60-0	3155.2	94.900	%Recove	01/05/04	64.000	111.000	
SURR	Phenol-d5	4165-62-2	3333.0	100.000	%Recove	01/05/04	54.000	120.000	
SURR	2,4,6-Tribromophenol	118-79-6	2965.6	89.200	%Recove	01/05/04	24.000	122.000	
SURR	Terphenyl-d14 (7Cl)	98904-43-9	3309.2	99.500	%Recove	01/05/04	35.000	150.000	

Lab ID: W030001204
BATCH QC ASSOCIATED WITH SAMPLE

SURR	2-Fluorophenol	367-12-4	2874.4	86.400	%Recove	01/05/04	42.000	105.000	
SURR	2-Fluorobiphenyl	321-60-8	3309.1	99.500	%Recove	01/05/04	56.000	122.000	
SURR	Nitrobenzene-d5	4165-60-0	3044.3	91.600	%Recove	01/05/04	64.000	111.000	
SURR	Phenol-d5	4165-62-2	3447.0	104.000	%Recove	01/05/04	54.000	120.000	
SURR	2,4,6-Tribromophenol	118-79-6	2606.8	78.400	%Recove	01/05/04	24.000	122.000	
SURR	Terphenyl-d14 (7Cl)	98904-43-9	3239.8	97.400	%Recove	01/05/04	35.000	150.000	

Lab ID: W030001205
BATCH QC ASSOCIATED WITH SAMPLE

SURR	2-Fluorophenol	367-12-4	2831.8	85.000	%Recove	01/05/04	42.000	105.000	
SURR	2-Fluorobiphenyl	321-60-8	3414.0	102.000	%Recove	01/05/04	56.000	122.000	
SURR	Nitrobenzene-d5	4165-60-0	2961.0	88.800	%Recove	01/05/04	64.000	111.000	
SURR	Phenol-d5	4165-62-2	3307.0	99.200	%Recove	01/05/04	54.000	120.000	

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20031680
Matrix: SOLID
Test: SW-846 8270B Semi-Vols

SAF Number: F03-025
Sample Date: 12/17/03
Receive Date:12/18/03

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
SURR	2,4,6-Tribromophenol	118-79-6	2860.2	85.800	%Recove	01/05/04	24.000	122.000	
SURR	Terphenyl-d14 (7Cl)	98904-43-9	3047.7	91.400	%Recove	01/05/04	35.000	150.000	

Lab ID: W030001206
BATCH QC ASSOCIATED WITH SAMPLE

SURR	2-Fluorophenol	367-12-4	2825.8	85.000	%Recove	01/05/04	42.000	105.000	
SURR	2-Fluorobiphenyl	321-60-8	3366.2	101.000	%Recove	01/05/04	56.000	122.000	
SURR	Nitrobenzene-d5	4165-60-0	2721.8	81.900	%Recove	01/05/04	64.000	111.000	
SURR	Phenol-d5	4165-62-2	3304.2	99.400	%Recove	01/05/04	54.000	120.000	
SURR	2,4,6-Tribromophenol	118-79-6	2609.5	78.500	%Recove	01/05/04	24.000	122.000	
SURR	Terphenyl-d14 (7Cl)	98904-43-9	2764.4	83.200	%Recove	01/05/04	35.000	150.000	

Lab ID: W030001207
BATCH QC ASSOCIATED WITH SAMPLE

SURR	2-Fluorophenol	367-12-4	2717.2	81.600	%Recove	01/05/04	42.000	105.000	
SURR	2-Fluorobiphenyl	321-60-8	3426.6	103.000	%Recove	01/05/04	56.000	122.000	
SURR	Nitrobenzene-d5	4165-60-0	2812.1	84.500	%Recove	01/05/04	64.000	111.000	
SURR	Phenol-d5	4165-62-2	3355.9	101.000	%Recove	01/05/04	54.000	120.000	
SURR	2,4,6-Tribromophenol	118-79-6	2878.5	86.500	%Recove	01/05/04	24.000	122.000	
SURR	Terphenyl-d14 (7Cl)	98904-43-9	3236.4	97.200	%Recove	01/05/04	35.000	150.000	

Lab ID: W030001208
BATCH QC ASSOCIATED WITH SAMPLE

SURR	2-Fluorophenol	367-12-4	2722.6	81.900	%Recove	01/05/04	42.000	105.000	
SURR	2-Fluorobiphenyl	321-60-8	3416.7	103.000	%Recove	01/05/04	56.000	122.000	
SURR	Nitrobenzene-d5	4165-60-0	2915.8	87.700	%Recove	01/05/04	64.000	111.000	
SURR	Phenol-d5	4165-62-2	3315.2	99.700	%Recove	01/05/04	54.000	120.000	
SURR	2,4,6-Tribromophenol	118-79-6	2954.1	88.800	%Recove	01/05/04	24.000	122.000	
SURR	Terphenyl-d14 (7Cl)	98904-43-9	2843.9	85.500	%Recove	01/05/04	35.000	150.000	

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20031680
Matrix: SOLID
Test: SW-846 8270B Semi-Vols

SAF Number: F03-025
Sample Date: 12/17/03
Receive Date:12/18/03

Lab ID: W030001217
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	3076.7	92.400	% Recov	01/06/04	46.000	107.000	
MS	1,4-Dichlorobenzene	106-46-7	2933.3	88.100	% Recov	01/06/04	30.000	96.000	
MS	2,4-Dinitrotoluene	121-14-2	2882.6	86.500	% Recov	01/06/04	59.000	106.000	
MS	2-Fluorophenol	367-12-4	2987.4	89.700	%Recove	01/06/04	42.000	105.000	
MS	Acenaphthene	83-32-9	3311.7	99.400	% Recov	01/06/04	61.000	116.000	
MS	4-Chloro-3-methylphenol	59-50-7	4322.0	86.500	% Recov	01/06/04	61.000	106.000	
MS	2-Chlorophenol	95-57-8	4517.3	90.400	% Recov	01/06/04	66.000	106.000	
MS	N-Nitrosodi-n-dipropylamine	621-64-7	2590.2	77.800	% Recov	01/06/04	71.000	114.000	
MS	2-Fluorobiphenyl	321-60-8	3334.5	100.000	%Recove	01/06/04	56.000	122.000	
MS	Phenol	108-95-2	4829.4	96.600	% Recov	01/06/04	42.000	111.000	
MS	Nitrobenzene-d5	4165-60-0	3065.5	92.000	%Recove	01/06/04	64.000	111.000	
MS	4-Nitrophenol	100-02-7	3650.7	73.100	% Recov	01/06/04	32.000	118.000	
MS	Pentachlorophenol	87-86-5	4300.4	86.100	% Recov	01/06/04	62.000	114.000	
MS	Phenol-d5	4165-62-2	3555.4	107.000	%Recove	01/06/04	54.000	120.000	
MS	Pyrene	129-00-0	2807.5	84.300	% Recov	01/06/04	66.000	118.000	
MS	2,4,6-Tribromophenol	118-79-6	3234.3	97.100	%Recove	01/06/04	24.000	122.000	
MS	Terphenyl-d14 (7Cl)	98904-43-9	2942.0	88.300	%Recove	01/06/04	35.000	150.000	
MSD	1,2,4-Trichlorobenzene	120-82-1	2802.5	84.100	% Recov	01/06/04	46.000	107.000	
MSD	1,4-Dichlorobenzene	106-46-7	2916.3	87.500	% Recov	01/06/04	30.000	96.000	
MSD	2,4-Dinitrotoluene	121-14-2	2824.8	84.800	% Recov	01/06/04	59.000	106.000	
MSD	2-Fluorophenol	367-12-4	3152.0	94.600	%Recove	01/06/04	42.000	105.000	
MSD	Acenaphthene	83-32-9	3268.0	98.100	% Recov	01/06/04	61.000	116.000	
MSD	4-Chloro-3-methylphenol	59-50-7	4721.5	94.500	% Recov	01/06/04	61.000	106.000	
MSD	2-Chlorophenol	95-57-8	4474.5	89.500	% Recov	01/06/04	66.000	106.000	
MSD	N-Nitrosodi-n-dipropylamine	621-64-7	2979.3	89.400	% Recov	01/06/04	71.000	114.000	
MSD	2-Fluorobiphenyl	321-60-8	3116.0	93.500	%Recove	01/06/04	56.000	122.000	
MSD	Phenol	108-95-2	5132.7	103.000	% Recov	01/06/04	42.000	111.000	
MSD	Nitrobenzene-d5	4165-60-0	2639.5	79.200	%Recove	01/06/04	64.000	111.000	

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20031680
Matrix: SOLID
Test: SW-846 8270B Semi-Vols

SAF Number: F03-025
Sample Date: 12/17/03
Receive Date:12/18/03

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
MSD	4-Nitrophenol	100-02-7	3892.6	77.900	% Recov	01/06/04	32.000	118.000	
MSD	Pentachlorophenol	87-86-5	4537.8	90.800	% Recov	01/06/04	62.000	114.000	
MSD	Phenol-d5	4165-62-2	3604.8	108.000	%Recove	01/06/04	54.000	120.000	
MSD	Pyrene	129-00-0	2908.6	87.300	% Recov	01/06/04	66.000	118.000	
MSD	2,4,6-Tribromophenol	118-79-6	3199.0	96.000	%Recove	01/06/04	24.000	122.000	
MSD	Terphenyl-d14 (7Cl)	98904-43-9	3004.7	90.200	%Recove	01/06/04	35.000	150.000	
SPK-RPD	1,2,4-Trichlorobenzene	120-82-1	84.100	9.405	RPD	01/05/04	0.000	20.000	
SPK-RPD	1,4-Dichlorobenzene	106-46-7	87.500	0.683	RPD	01/05/04	0.000	20.000	
SPK-RPD	2,4-Dinitrotoluene	121-14-2	84.800	1.985	RPD	01/05/04	0.000	20.000	
SPK-RPD	2-Fluorophenol	367-12-4	94.600	5.317	RPD	01/05/04	0.000	20.000	
SPK-RPD	Acenaphthene	83-32-9	98.100	1.316	RPD	01/05/04	0.000	20.000	
SPK-RPD	4-Chloro-3-methylphenol	59-50-7	94.500	8.840	RPD	01/05/04	0.000	20.000	
SPK-RPD	2-Chlorophenol	95-57-8	89.500	1.001	RPD	01/05/04	0.000	20.000	
SPK-RPD	N-Nitrosodi-n-dipropylamine	621-64-7	89.400	13.876	RPD	01/05/04	0.000	20.000	
SPK-RPD	2-Fluorobiphenyl	321-60-8	93.500	6.718	RPD	01/05/04	0.000	20.000	
SPK-RPD	Phenol	108-95-2	103.000	6.413	RPD	01/05/04	0.000	20.000	
SPK-RPD	Nitrobenzene-d5	4165-60-0	79.200	14.953	RPD	01/05/04	0.000	20.000	
SPK-RPD	4-Nitrophenol	100-02-7	77.900	6.358	RPD	01/05/04	0.000	20.000	
SPK-RPD	Pentachlorophenol	87-86-5	90.800	5.314	RPD	01/05/04	0.000	20.000	
SPK-RPD	Phenol-d5	4165-62-2	108.000	0.930	RPD	01/05/04	0.000	20.000	
SPK-RPD	Pyrene	129-00-0	87.300	3.497	RPD	01/05/04	0.000	20.000	
SPK-RPD	2,4,6-Tribromophenol	118-79-6	96.000	1.139	RPD	01/05/04	0.000	20.000	
SPK-RPD	Terphenyl-d14 (7Cl)	98904-43-9	90.200	2.129	RPD	01/05/04	0.000	20.000	

BATCH QC

BLANK	1,2-Dichlorobenzene	95-50-1	< 360	n/a	ug/Kg	01/05/04	U
BLANK	1,2,4-Trichlorobenzene	120-82-1	< 290	n/a	ug/Kg	01/05/04	U
BLANK	1,3-Dichlorobenzene	541-73-1	< 320	n/a	ug/Kg	01/05/04	U
BLANK	1,4-Dichlorobenzene	106-46-7	< 310	n/a	ug/Kg	01/05/04	U
BLANK	2,4-Dichlorophenol	120-83-2	< 80	n/a	ug/Kg	01/05/04	U

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20031680
Matrix: SOLID
Test: SW-846 8270B Semi-Vols

SAF Number: F03-025
Sample Date:
Receive Date:

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
BLANK	2,4-Dinitrotoluene	121-14-2	< 67	n/a	ug/Kg	01/05/04			U
BLANK	2,4,5-Trichlorophenol	95-95-4	< 73	n/a	ug/Kg	01/05/04			U
BLANK	2,4,6-Trichlorophenol	88-06-2	< 67	n/a	ug/Kg	01/05/04			U
BLANK	2,4-Dimethylphenol	105-67-9	< 67	n/a	ug/Kg	01/05/04			U
BLANK	2,6-Dinitrotoluene	606-20-2	< 67	n/a	ug/Kg	01/05/04			U
BLANK	2-Chloronaphthalene	91-58-7	< 67	n/a	ug/Kg	01/05/04			U
BLANK	2-Fluorophenol	367-12-4	2919.5	87.600	%Recove	01/05/04	42.000	105.000	
BLANK	2-Methylnaphthalene	91-57-6	< 180	n/a	ug/Kg	01/05/04			U
BLANK	2-Methylphenol (cresol, o-)	95-48-7	< 67	n/a	ug/Kg	01/05/04			U
BLANK	2-Nitroaniline	88-74-4	< 67	n/a	ug/Kg	01/05/04			U
BLANK	2-Nitrophenol	88-75-5	< 170	n/a	ug/Kg	01/05/04			U
BLANK	3 & 4 Methylphenol Total	65794-96-9	< 110	n/a	ug/Kg	01/05/04	0.000	300.000	U
BLANK	3-Nitroaniline	99-09-2	< 67	n/a	ug/Kg	01/05/04			U
BLANK	4,6-Dinitro-2-methylphenol	534-52-1	< 670	n/a	ug/Kg	01/05/04			U
BLANK	4-Bromophenylphenyl ether	101-55-3	< 67	n/a	ug/Kg	01/05/04			U
BLANK	4-Chlorophenylphenyl ether	7005-72-3	< 67	n/a	ug/Kg	01/05/04			U
BLANK	Acenaphthene	83-32-9	< 67	n/a	ug/Kg	01/05/04			U
BLANK	Acenaphthylene	208-96-8	< 80	n/a	ug/Kg	01/05/04			U
BLANK	Anthracene	120-12-7	< 67	n/a	ug/Kg	01/05/04			U
BLANK	Bis(2-chloroethyl) ether	111-44-4	< 250	n/a	ug/Kg	01/05/04			U
BLANK	Benzo(a)anthracene	56-55-3	< 67	n/a	ug/Kg	01/05/04			U
BLANK	Benzo(b)fluoranthene	205-99-2	< 67	n/a	ug/Kg	01/05/04			U
BLANK	Benzo(ghi)perylene	191-24-2	< 67	n/a	ug/Kg	01/05/04			U
BLANK	Benzo(a)pyrene	50-32-8	< 67	n/a	ug/Kg	01/05/04			U
BLANK	Bis(2-Chloroethoxy)methane	111-91-1	< 110	n/a	ug/Kg	01/05/04			U
BLANK	Bis(2-ethylhexyl) phthalate	117-81-7	< 560	n/a	ug/Kg	01/05/04			U
BLANK	Bis(2-chloro-1-methylethyl)eth	108-60-1	< 250	n/a	ug/Kg	01/05/04	0.000	10.000	U
BLANK	Benzo(k)fluoranthene	207-08-9	< 67	n/a	ug/Kg	01/05/04			U
BLANK	Butylbenzylphthalate	85-68-7	< 67	n/a	ug/Kg	01/05/04			U
BLANK	Carbazole	86-74-8	< 80	n/a	ug/Kg	01/05/04			U

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20031680
Matrix: SOLID
Test: SW-846 8270B Semi-Vols

SAF Number: F03-025
Sample Date:
Receive Date:

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
BLANK	4-Chloroaniline	106-47-8	< 93	n/a	ug/Kg	01/05/04			U
BLANK	4-Chloro-3-methylphenol	59-50-7	< 67	n/a	ug/Kg	01/05/04			U
BLANK	2-Chlorophenol	95-57-8	< 150	n/a	ug/Kg	01/05/04			U
BLANK	Chrysene	218-01-9	< 67	n/a	ug/Kg	01/05/04			U
BLANK	3,3'-Dichlorobenzidine	91-94-1	< 80	n/a	ug/Kg	01/05/04			U
BLANK	Dibenz[a,h]anthracene	53-70-3	< 67	n/a	ug/Kg	01/05/04			U
BLANK	Dibenzofuran	132-64-9	< 67	n/a	ug/Kg	01/05/04			U
BLANK	Di-n-butylphthalate	84-74-2	< 87	n/a	ug/Kg	01/05/04			U
BLANK	Diethylphthalate	84-66-2	410	410.000	ug/Kg	01/05/04			
BLANK	Dimethyl phthalate	131-11-3	< 67	n/a	ug/Kg	01/05/04			U
BLANK	2,4-Dinitrophenol	51-28-5	< 670	n/a	ug/Kg	01/05/04			U
BLANK	Di-n-octylphthalate	117-84-0	< 67	n/a	ug/Kg	01/05/04			U
BLANK	N-Nitrosodi-n-dipropylamine	621-64-7	< 67	n/a	ug/Kg	01/05/04			U
BLANK	2-Fluorobiphenyl	321-60-8	3366.7	101.000	%Recove	01/05/04	56.000	122.000	
BLANK	Fluorene	86-73-7	< 67	n/a	ug/Kg	01/05/04			U
BLANK	Fluoranthene	206-44-0	< 67	n/a	ug/Kg	01/05/04			U
BLANK	Hexachlorobenzene	118-74-1	< 67	n/a	ug/Kg	01/05/04			U
BLANK	Hexachlorobutadiene	87-68-3	< 370	n/a	ug/Kg	01/05/04			U
BLANK	Hexachlorocyclopentadiene	77-47-4	< 310	n/a	ug/Kg	01/05/04			U
BLANK	Hexachloroethane	67-72-1	< 470	n/a	ug/Kg	01/05/04			U
BLANK	Indeno(1,2,3-cd)pyrene	193-39-5	< 67	n/a	ug/Kg	01/05/04			U
BLANK	Isophorone	78-59-1	< 67	n/a	ug/Kg	01/05/04			U
BLANK	Phenol	108-95-2	< 100	n/a	ug/Kg	01/05/04			U
BLANK	Naphthalene	91-20-3	< 290	n/a	ug/Kg	01/05/04			U
BLANK	Nitrobenzene-d5	4165-60-0	2748.1	82.400	%Recove	01/05/04	64.000	111.000	
BLANK	Nitrobenzene	98-95-3	< 260	n/a	ug/Kg	01/05/04			U
BLANK	4-Nitrophenol	100-02-7	< 650	n/a	ug/Kg	01/05/04			U
BLANK	4-Nitroaniline	100-01-6	< 250	n/a	ug/Kg	01/05/04			U
BLANK	N-Nitrosodiphenylamine	86-30-6	< 67	n/a	ug/Kg	01/05/04			U
BLANK	Pentachlorophenol	87-86-5	< 300	n/a	ug/Kg	01/05/04			U

WSCF ANALYTICAL LABORATORY QC REPORT

2 - 67

SDG Number: WSCF20031680
Matrix: SOLID
Test: SW-846 8270B Semi-Vols

SAF Number: F03-025
Sample Date:
Receive Date:

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
BLANK	Phenanthrene	85-01-8	< 67	n/a	ug/Kg	01/05/04			U
BLANK	Phenol-d5	4165-62-2	3260.0	97.800	%Recove	01/05/04	54.000	120.000	
BLANK	Pyrene	129-00-0	< 67	n/a	ug/Kg	01/05/04			U
BLANK	Tributyl phosphate	126-73-8	< 67	n/a	ug/Kg	01/05/04			U
BLANK	2,4,6-Tribromophenol	118-79-6	2372.2	71.200	%Recove	01/05/04	24.000	122.000	
BLANK	Terphenyl-d14 (7Cl)	98904-43-9	3386.4	102.000	%Recove	01/05/04	35.000	150.000	
LCS	1,2,4-Trichlorobenzene	120-82-1	2491.9	74.800	% Recov	01/05/04	46.000	107.000	
LCS	1,4-Dichlorobenzene	106-46-7	2745.8	82.400	% Recov	01/05/04	42.000	111.000	
LCS	2,4-Dinitrotoluene	121-14-2	2740.8	82.200	% Recov	01/05/04	59.000	106.000	
LCS	2-Fluorophenol	367-12-4	2996.6	89.900	% Recov	01/05/04	50.000	110.000	
LCS	Acenaphthene	83-32-9	3245.1	97.400	% Recov	01/05/04	61.000	116.000	
LCS	4-Chloro-3-methylphenol	59-50-7	4013.7	80.300	% Recov	01/05/04	61.000	106.000	
LCS	2-Chlorophenol	95-57-8	4179.8	83.600	% Recov	01/05/04	66.000	106.000	
LCS	N-Nitrosodi-n-dipropylamine	621-64-7	2671.9	80.200	% Recov	01/05/04	71.000	114.000	
LCS	2-Fluorobiphenyl	321-60-8	2991.2	89.700	% Recov	01/05/04	58.000	109.000	
LCS	Phenol	108-95-2	4834.4	96.700	% Recov	01/05/04	67.000	105.000	
LCS	Nitrobenzene-d5	4165-60-0	2439.9	73.200	% Recov	01/05/04	60.000	118.000	
LCS	4-Nitrophenol	100-02-7	4065.2	81.300	% Recov	01/05/04	32.000	118.000	
LCS	Pentachlorophenol	87-86-5	3765.4	75.300	% Recov	01/05/04	62.000	114.000	
LCS	Phenol-d5	4165-62-2	3321.5	99.600	% Recov	01/05/04	59.000	116.000	
LCS	Pyrene	129-00-0	2697.6	80.900	% Recov	01/05/04	66.000	118.000	
LCS	2,4,6-Tribromophenol	118-79-6	3274.5	98.200	% Recov	01/05/04	60.000	120.000	
LCS	Terphenyl-d14 (7Cl)	98904-43-9	2885.3	86.600	% Recov	01/05/04	60.000	120.000	

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20031680
Matrix: SOLID
Test: ICP-2008 MS All possible metal

SAF Number: F03-025
Sample Date: 12/06/03
Receive Date:12/08/03

Lab ID: W030001117
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	158.9	79.450	% Recov	01/08/04	70.000	130.000	
MS	Arsenic	7440-38-2	197.19	98.595	% Recov	01/08/04	70.000	130.000	
MS	Barium	7440-39-3	188.99	94.495	% Recov	01/08/04	70.000	130.000	
MS	Beryllium	7440-41-7	190.3	95.150	% Recov	01/08/04	70.000	130.000	
MS	Cadmium	7440-43-9	196.5	98.250	% Recov	01/08/04	70.000	130.000	
MS	Chromium	7440-47-3	184.27	92.135	% Recov	01/08/04	70.000	130.000	
MS	Copper	7440-50-8	185.3	92.650	% Recov	01/08/04	70.000	130.000	
MS	Mercury	7439-97-6	11.41	114.100	% Recov	01/08/04	70.000	130.000	
MS	Nickel	7440-02-0	193.04	96.520	% Recov	01/08/04	70.000	130.000	
MS	Lead	7439-92-1	195.3	97.650	% Recov	01/08/04	70.000	130.000	
MS	Antimony	7440-36-0	195.3	97.650	% Recov	01/08/04	70.000	130.000	
MS	Selenium	7782-49-2	200.8	100.400	% Recov	01/08/04	70.000	130.000	
MS	Uranium	7440-61-1	191.3	95.650	% Recov	01/08/04	70.000	130.000	
MSD	Silver	7440-22-4	158.7	79.350	% Recov	01/08/04	70.000	130.000	
MSD	Arsenic	7440-38-2	204.49	102.245	% Recov	01/08/04	70.000	130.000	
MSD	Barium	7440-39-3	192.79	96.395	% Recov	01/08/04	70.000	130.000	
MSD	Beryllium	7440-41-7	198.4	99.200	% Recov	01/08/04	70.000	130.000	
MSD	Cadmium	7440-43-9	201	100.500	% Recov	01/08/04	70.000	130.000	
MSD	Chromium	7440-47-3	190.97	95.485	% Recov	01/08/04	70.000	130.000	
MSD	Copper	7440-50-8	192.1	96.050	% Recov	01/08/04	70.000	130.000	
MSD	Mercury	7439-97-6	11.7	117.000	% Recov	01/08/04	70.000	130.000	
MSD	Nickel	7440-02-0	195.44	97.720	% Recov	01/08/04	70.000	130.000	
MSD	Lead	7439-92-1	198.9	99.450	% Recov	01/08/04	70.000	130.000	
MSD	Antimony	7440-36-0	187.8	93.900	% Recov	01/08/04	70.000	130.000	
MSD	Selenium	7782-49-2	209.6	104.800	% Recov	01/08/04	70.000	130.000	
MSD	Uranium	7440-61-1	194.6	97.300	% Recov	01/08/04	70.000	130.000	

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20031680
Matrix: SOLID
Test: ICP-2008 MS All possible metal

SAF Number: F03-025
Sample Date: 12/06/03
Receive Date:12/08/03

Lab ID: W030001142
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	176.1	88.050	% Recov	01/08/04	70.000	130.000	
MS	Arsenic	7440-38-2	190.99	95.495	% Recov	01/08/04	70.000	130.000	
MS	Barium	7440-39-3	172.67	86.335	% Recov	01/08/04	70.000	130.000	
MS	Beryllium	7440-41-7	203.7	101.850	% Recov	01/08/04	70.000	130.000	
MS	Cadmium	7440-43-9	200.7	100.350	% Recov	01/08/04	70.000	130.000	
MS	Chromium	7440-47-3	187.14	93.570	% Recov	01/08/04	70.000	130.000	
MS	Copper	7440-50-8	165.6	82.800	% Recov	01/08/04	70.000	130.000	
MS	Mercury	7439-97-6	11.32	113.200	% Recov	01/08/04	70.000	130.000	
MS	Nickel	7440-02-0	187.32	93.660	% Recov	01/08/04	70.000	130.000	
MS	Lead	7439-92-1	194	97.000	% Recov	01/08/04	70.000	130.000	
MS	Antimony	7440-36-0	188.4	94.200	% Recov	01/08/04	70.000	130.000	
MS	Selenium	7782-49-2	197.97	98.985	% Recov	01/08/04	70.000	130.000	
MSD	Silver	7440-22-4	185.7	92.850	% Recov	01/08/04	70.000	130.000	
MSD	Arsenic	7440-38-2	193.99	96.995	% Recov	01/08/04	70.000	130.000	
MSD	Barium	7440-39-3	172.77	86.385	% Recov	01/08/04	70.000	130.000	
MSD	Beryllium	7440-41-7	201.6	100.800	% Recov	01/08/04	70.000	130.000	
MSD	Cadmium	7440-43-9	198.1	99.050	% Recov	01/08/04	70.000	130.000	
MSD	Chromium	7440-47-3	182.64	91.320	% Recov	01/08/04	70.000	130.000	
MSD	Copper	7440-50-8	166.8	83.400	% Recov	01/08/04	70.000	130.000	
MSD	Mercury	7439-97-6	11.43	114.300	% Recov	01/08/04	70.000	130.000	
MSD	Nickel	7440-02-0	191.02	95.510	% Recov	01/08/04	70.000	130.000	
MSD	Lead	7439-92-1	197.1	98.550	% Recov	01/08/04	70.000	130.000	
MSD	Antimony	7440-36-0	183.1	91.550	% Recov	01/08/04	70.000	130.000	
MSD	Selenium	7782-49-2	207.77	103.885	% Recov	01/08/04	70.000	130.000	

BATCH QC

BLANK	Silver	7440-22-4	<0.2	n/a	ug/L	01/08/04	-0.440	0.440	U

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20031680
Matrix: SOLID
Test: ICP-2008 MS All possible metal

SAF Number: F03-025
Sample Date:
Receive Date:

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit		RQ
BLANK	Silver	7440-22-4	<0.2	n/a	ug/L	01/08/04	-0.440	0.440		U
BLANK	Arsenic	7440-38-2	0.73	0.730	ug/L	01/08/04	-0.660	0.660	*	
BLANK	Arsenic	7440-38-2	0.62	0.620	ug/L	01/08/04	-0.660	0.660		
BLANK	Barium	7440-39-3	<0.2	n/a	ug/L	01/08/04	-0.440	0.440		U
BLANK	Barium	7440-39-3	<0.2	n/a	ug/L	01/08/04	-0.440	0.440		U
BLANK	Beryllium	7440-41-7	<0.3	n/a	ug/L	01/08/04	-0.660	0.660		U
BLANK	Beryllium	7440-41-7	<0.3	n/a	ug/L	01/08/04	-0.660	0.660		U
BLANK	Cadmium	7440-43-9	<0.1	n/a	ug/L	01/08/04	-0.220	0.220		U
BLANK	Cadmium	7440-43-9	<0.1	n/a	ug/L	01/08/04	-0.220	0.220		U
BLANK	Chromium	7440-47-3	<0.3	n/a	ug/L	01/08/04	-0.660	0.660		U
BLANK	Chromium	7440-47-3	<0.3	n/a	ug/L	01/08/04	-0.660	0.660		U
BLANK	Copper	7440-50-8	<0.5	n/a	ug/L	01/08/04	-1.100	1.100		U
BLANK	Copper	7440-50-8	<0.5	n/a	ug/L	01/08/04	-1.100	1.100		U
BLANK	Mercury	7439-97-6	0.15	0.150	ug/L	01/08/04	-0.220	0.220		
BLANK	Mercury	7439-97-6	<0.1	n/a	ug/L	01/08/04	-0.220	0.220		U
BLANK	Nickel	7440-02-0	<0.5	n/a	ug/L	01/08/04	-1.100	1.100		U
BLANK	Nickel	7440-02-0	<0.5	n/a	ug/L	01/08/04	-1.100	1.100		U
BLANK	Lead	7439-92-1	<1.2	n/a	ug/L	01/08/04	-2.640	2.640		U
BLANK	Lead	7439-92-1	<1.2	n/a	ug/L	01/08/04	-2.640	2.640		U
BLANK	Antimony	7440-36-0	0.58	0.580	ug/L	01/08/04	-1.100	1.100		
BLANK	Antimony	7440-36-0	<0.5	n/a	ug/L	01/08/04	-1.100	1.100		U
BLANK	Selenium	7782-49-2	0.62	0.620	ug/L	01/08/04	-0.660	0.660		
BLANK	Selenium	7782-49-2	<0.3	n/a	ug/L	01/08/04	-0.660	0.660		U
BLANK	Uranium	7440-61-1	<0.1	n/a	ug/L	01/08/04	-0.220	0.220		U
BLANK	Uranium	7440-61-1	<0.1	n/a	ug/L	01/08/04	-0.220	0.220		U
LCS	Silver	7440-22-4	165.2	138.824	% Recov	01/08/04	85.000	115.000	*	
LCS	Silver	7440-22-4	159.1	133.697	% Recov	01/08/04	85.000	115.000	*	
LCS	Arsenic	7440-38-2	224.6	115.179	% Recov	01/08/04	85.000	115.000	*	
LCS	Arsenic	7440-38-2	233	119.487	% Recov	01/08/04	85.000	115.000	*	
LCS	Barium	7440-39-3	369.4	94.235	% Recov	01/08/04	85.000	115.000		

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20031680
Matrix: SOLID
Test: ICP-2008 MS All possible metal

SAF Number: F03-025
Sample Date:
Receive Date:

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
LCS	Barium	7440-39-3	362.6	92.500	% Recov	01/08/04	85.000	115.000	
LCS	Beryllium	7440-41-7	75.99	100.916	% Recov	01/08/04	85.000	115.000	
LCS	Beryllium	7440-41-7	80.55	106.972	% Recov	01/08/04	85.000	115.000	
LCS	Cadmium	7440-43-9	69.52	101.341	% Recov	01/08/04	85.000	115.000	
LCS	Cadmium	7440-43-9	71.04	103.557	% Recov	01/08/04	85.000	115.000	
LCS	Chromium	7440-47-3	73.55	85.029	% Recov	01/08/04	85.000	115.000	
LCS	Chromium	7440-47-3	71.53	82.694	% Recov	01/08/04	85.000	115.000	*
LCS	Copper	7440-50-8	99.38	78.252	% Recov	01/08/04	85.000	115.000	*
LCS	Copper	7440-50-8	75.77	59.661	% Recov	01/08/04	85.000	115.000	*
LCS	Mercury	7439-97-6	10.85	115.303	% Recov	01/08/04	85.000	115.000	*
LCS	Mercury	7439-97-6	11.68	124.123	% Recov	01/08/04	85.000	115.000	*
LCS	Nickel	7440-02-0	85.45	102.213	% Recov	01/08/04	85.000	115.000	
LCS	Nickel	7440-02-0	81.46	97.440	% Recov	01/08/04	85.000	115.000	
LCS	Lead	7439-92-1	96.33	101.937	% Recov	01/08/04	85.000	115.000	
LCS	Lead	7439-92-1	92.72	98.116	% Recov	01/08/04	85.000	115.000	
LCS	Antimony	7440-36-0	128.5	93.116	% Recov	01/08/04	85.000	115.000	
LCS	Antimony	7440-36-0	142.6	103.333	% Recov	01/08/04	85.000	115.000	
LCS	Selenium	7782-49-2	138.1	121.140	% Recov	01/08/04	85.000	115.000	*
LCS	Selenium	7782-49-2	138.5	121.491	% Recov	01/08/04	85.000	115.000	*
LCS	Uranium	7440-61-1	386.5	96.625	% Recov	01/08/04	85.000	115.000	
LCS	Uranium	7440-61-1	402	100.500	% Recov	01/08/04	85.000	115.000	

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20031680
Matrix: SOLID
Test: Gamma Energy Analysis-grd H2O

SAF Number: F03-025
Sample Date: 12/17/03
Receive Date:12/18/03

Lab ID: W030001203

BATCH QC ASSOCIATED WITH SAMPLE

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
DUP	Cobalt-60	10198-40-0	8.84e+02	0.113	RPD	01/06/04	0.000	20.000	
DUP	Cesium-134	13967-70-9	U-1.68e-2	n/a	RPD	01/06/04	0.000	20.000	
DUP	Cesium-137	10045-97-3	9.43e+00	1.369	RPD	01/06/04	0.000	20.000	
DUP	Europium-152	14683-23-9	U-8.63e-2	n/a	RPD	01/06/04	0.000	20.000	
DUP	Europium-154	15585-10-1	U8.42e-02	n/a	RPD	01/06/04	0.000	20.000	
DUP	Europium-155	14391-16-3	U-3.75e-1	n/a	RPD	01/06/04	0.000	20.000	
DUP	Antimony-125	14234-35-6	U9.08e-02	n/a	RPD	01/06/04	0.000	20.000	

BATCH QC

BLANK	Cobalt-60	10198-40-0	U-3.9e-3	n/a	pCi/g	01/06/04	-10000.000	1000.000	
BLANK	Cesium-134	13967-70-9	U2.45e-3	n/a	pCi/g	01/06/04	-10000.000	1000.000	
BLANK	Cesium-137	10045-97-3	U-6.4e-3	n/a	pCi/g	01/06/04	-10000.000	1000.000	
BLANK	Europium-152	14683-23-9	U-2.4e-3	n/a	pCi/g	01/06/04	-10000.000	1000.000	
BLANK	Europium-154	15585-10-1	U9.82e-4	n/a	pCi/g	01/06/04	-10000.000	1000.000	
BLANK	Europium-155	14391-16-3	U1.17e-3	n/a	pCi/g	01/06/04	-10000.000	1000.000	
BLANK	Antimony-125	14234-35-6	U-4.8e-3	n/a	pCi/g	01/06/04	-10000.000	1000.000	
LCS	Cobalt-60	10198-40-0	4.15e+03	99.045	% Recov	01/07/04	80.000	120.000	
LCS	Cesium-137	10045-97-3	3.72e+03	103.911	% Recov	01/07/04	80.000	120.000	

WSCF ANALYTICAL LABORATORY QC REPORT

2 - 73

SDG Number: WSCF20031680
Matrix: SOLID
Test: VOA Ground Water Protection

SAF Number: F03-025
Sample Date: 12/17/03
Receive Date: 12/18/03

Lab ID: W030001203
BATCH QC ASSOCIATED WITH SAMPLE

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
SURR	4-Bromofluorobenzene	460-00-4	111.10	96.100	% Recov	12/29/03	71.000	125.000	
SURR	1,2-Dichloroethane-d4	17060-07-0	126.90	110.000	% Recov	12/29/03	80.000	134.000	
SURR	Toluene-d8	2037-26-5	117.30	101.000	% Recov	12/29/03	80.000	126.000	

Lab ID: W030001204
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	50.280	101.000	% Recov	12/29/03	63.000	117.000	
MS	Benzene	71-43-2	54.060	108.000	% Recov	12/29/03	75.000	129.000	
MS	4-Bromofluorobenzene	460-00-4	94.600	94.600	% Recov	12/29/03	84.000	116.000	
MS	Chlorobenzene	108-90-7	53.140	106.000	% Recov	12/29/03	79.000	119.000	
MS	1,2-Dichloroethane-d4	17060-07-0	105.30	105.000	% Recov	12/29/03	82.000	136.000	
MS	Toluene-d8	2037-26-5	102.70	103.000	% Recov	12/29/03	89.000	119.000	
MS	Toluene	108-88-3	54.630	109.000	% Recov	12/29/03	76.000	120.000	
MS	Trichloroethene	79-01-6	53.140	106.000	% Recov	12/29/03	73.000	123.000	
MSD	1,1-Dichloroethene	75-35-4	50.190	100.000	% Recov	12/29/03	63.000	117.000	
MSD	Benzene	71-43-2	54.740	109.000	% Recov	12/29/03	75.000	129.000	
MSD	4-Bromofluorobenzene	460-00-4	94.370	94.400	% Recov	12/29/03	84.000	116.000	
MSD	Chlorobenzene	108-90-7	54.070	108.000	% Recov	12/29/03	79.000	119.000	
MSD	1,2-Dichloroethane-d4	17060-07-0	106.00	106.000	% Recov	12/29/03	82.000	136.000	
MSD	Toluene-d8	2037-26-5	102.20	102.000	% Recov	12/29/03	89.000	119.000	
MSD	Toluene	108-88-3	55.440	111.000	% Recov	12/29/03	76.000	120.000	
MSD	Trichloroethene	79-01-6	52.820	106.000	% Recov	12/29/03	73.000	123.000	
SPK-RPD	1,1-Dichloroethene	75-35-4	100.000	0.995	RPD	12/29/03	0.000	25.000	
SPK-RPD	Benzene	71-43-2	109.000	0.922	RPD	12/29/03	0.000	25.000	
SPK-RPD	4-Bromofluorobenzene	460-00-4	94.400	0.212	RPD	12/29/03	0.000	25.000	
SPK-RPD	Chlorobenzene	108-90-7	108.000	1.869	RPD	12/29/03	0.000	25.000	

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20031680
Matrix: SOLID
Test: VOA Ground Water Protection

SAF Number: F03-025
Sample Date: 12/17/03
Receive Date: 12/18/03

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
SPK-RPD	1,2-Dichloroethane-d4	17060-07-0	106.000	0.948	RPD	12/29/03	0.000	25.000	
SPK-RPD	Toluene-d8	2037-26-5	102.000	0.976	RPD	12/29/03	0.000	25.000	
SPK-RPD	Toluene	108-88-3	111.000	1.818	RPD	12/29/03	0.000	25.000	
SPK-RPD	Trichloroethene	79-01-6	106.000	0.000	RPD	12/29/03	0.000	25.000	
SURR	4-Bromofluorobenzene	460-00-4	99.670	96.200	% Recov	12/29/03	71.000	125.000	
SURR	1,2-Dichloroethane-d4	17060-07-0	110.10	106.000	% Recov	12/29/03	80.000	134.000	
SURR	Toluene-d8	2037-26-5	105.60	102.000	% Recov	12/29/03	80.000	126.000	

Lab ID: W030001205
BATCH QC ASSOCIATED WITH SAMPLE

SURR	4-Bromofluorobenzene	460-00-4	100.70	95.300	% Recov	12/29/03	71.000	125.000	
SURR	1,2-Dichloroethane-d4	17060-07-0	113.10	107.000	% Recov	12/29/03	80.000	134.000	
SURR	Toluene-d8	2037-26-5	107.80	102.000	% Recov	12/29/03	80.000	126.000	

Lab ID: W030001206
BATCH QC ASSOCIATED WITH SAMPLE

SURR	4-Bromofluorobenzene	460-00-4	103.70	97.800	% Recov	12/29/03	71.000	125.000	
SURR	1,2-Dichloroethane-d4	17060-07-0	112.40	106.000	% Recov	12/29/03	80.000	134.000	
SURR	Toluene-d8	2037-26-5	108.50	102.000	% Recov	12/29/03	80.000	126.000	

Lab ID: W030001207
BATCH QC ASSOCIATED WITH SAMPLE

SURR	4-Bromofluorobenzene	460-00-4	103.50	96.300	% Recov	12/29/03	71.000	125.000	
SURR	1,2-Dichloroethane-d4	17060-07-0	117.10	109.000	% Recov	12/29/03	80.000	134.000	
SURR	Toluene-d8	2037-26-5	108.90	101.000	% Recov	12/29/03	80.000	126.000	

Lab ID: W030001208
BATCH QC ASSOCIATED WITH SAMPLE

SURR	4-Bromofluorobenzene	460-00-4	99.350	95.100	% Recov	12/29/03	71.000	125.000	
SURR	1,2-Dichloroethane-d4	17060-07-0	111.30	107.000	% Recov	12/29/03	80.000	134.000	

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20031680
Matrix: SOLID
Test: VOA Ground Water Protection

SAF Number: F03-025
Sample Date: 12/17/03
Receive Date:12/18/03

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
SURR	Toluene-d8	2037-26-5	107.00	102.000	% Recov	12/29/03	80.000	126.000	
BATCH QC									
BLANK	1,1-Dichloroethane	75-34-3	< 2.0	n/a	ug/Kg	12/29/03			U
BLANK	1,1,1-Trichloroethane	71-55-6	< 2.0	n/a	ug/Kg	12/29/03			U
BLANK	1,1,2-Trichloroethane	79-00-5	< 2.0	n/a	ug/Kg	12/29/03			U
BLANK	1,1,2,2-Tetrachloroethane	79-34-5	< 2.0	n/a	ug/Kg	12/29/03			U
BLANK	1,1-Dichloroethene	75-35-4	< 2.0	n/a	ug/Kg	12/29/03			U
BLANK	1,2-Dichloroethane	107-06-2	< 2.0	n/a	ug/Kg	12/29/03			U
BLANK	1,2-Dichloroethene(Total)	540-59-0	< 2.0	n/a	ug/Kg	12/29/03			U
BLANK	1-Butanol	71-36-3	< 20	n/a	ug/Kg	12/29/03			U
BLANK	2-Hexanone	591-78-6	< 2.0	n/a	ug/Kg	12/29/03			U
BLANK	4-Methyl-2-Pentanone	108-10-1	< 2.0	n/a	ug/Kg	12/29/03			U
BLANK	Acetone	67-64-1	< 4.0	n/a	ug/Kg	12/29/03			U
BLANK	Bromodichloromethane	75-27-4	< 2.0	n/a	ug/Kg	12/29/03			U
BLANK	Benzene	71-43-2	< 2.0	n/a	ug/Kg	12/29/03			U
BLANK	4-Bromofluorobenzene	460-00-4	95.660	95.700	% Recov	12/29/03	71.000	125.000	
BLANK	Bromoform	75-25-2	< 2.0	n/a	ug/Kg	12/29/03			U
BLANK	Carbon disulfide	75-15-0	< 2.0	n/a	ug/Kg	12/29/03			U
BLANK	Carbon tetrachloride	56-23-5	< 2.0	n/a	ug/Kg	12/29/03			U
BLANK	Dibromochloromethane	124-48-1	< 2.0	n/a	ug/Kg	12/29/03			U
BLANK	Chloroform	67-66-3	< 2.0	n/a	ug/Kg	12/29/03			U
BLANK	Chlorobenzene	108-90-7	< 2.0	n/a	ug/Kg	12/29/03			U
BLANK	cis-1,2-Dichloroethylene	156-59-2	< 2.0	n/a	ug/Kg	12/29/03			U
BLANK	cis-1,3-Dichloropropene	10061-01-5	< 2.0	n/a	ug/Kg	12/29/03			U
BLANK	Chloroethane	75-00-3	< 2.0	n/a	ug/Kg	12/29/03			U
BLANK	1,2-Dichloroethane-d4	17060-07-0	103.00	103.000	% Recov	12/29/03	80.000	134.000	
BLANK	trans-1,2-Dichloroethylene	156-60-5	< 2.0	n/a	ug/Kg	12/29/03			U
BLANK	1,2-Dichloropropane	78-87-5	< 2.0	n/a	ug/Kg	12/29/03			U
BLANK	Ethylbenzene	100-41-4	< 2.0	n/a	ug/Kg	12/29/03			U

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20031680
Matrix: SOLID
Test: VOA Ground Water Protection

SAF Number: F03-025
Sample Date:
Receive Date:

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
BLANK	Bromomethane	74-83-9	< 2.0	n/a	ug/Kg	12/29/03			U
BLANK	Chloromethane	74-87-3	< 2.0	n/a	ug/Kg	12/29/03			U
BLANK	2-Butanone	78-93-3	< 2.0	n/a	ug/Kg	12/29/03			U
BLANK	Methylenechloride	75-09-2	< 2.0	n/a	ug/Kg	12/29/03			U
BLANK	Tetrachloroethene	127-18-4	< 2.0	n/a	ug/Kg	12/29/03			U
BLANK	Styrene	100-42-5	< 2.0	n/a	ug/Kg	12/29/03			U
BLANK	Xylenes (total)	1330-20-7	< 2.0	n/a	ug/Kg	12/29/03			U
BLANK	Toluene-d8	2037-26-5	100.60	101.000	% Recov	12/29/03	80.000	126.000	
BLANK	Toluene	108-88-3	< 2.0	n/a	ug/Kg	12/29/03			U
BLANK	trans-1,3-Dichloropropene	10061-02-6	< 2.0	n/a	ug/Kg	12/29/03			U
BLANK	Trichloroethene	79-01-6	< 2.0	n/a	ug/Kg	12/29/03			U
BLANK	Vinyl chloride	75-01-4	< 2.0	n/a	ug/Kg	12/29/03			U
LCS	1,1-Dichloroethene	75-35-4	49.310	98.600	% Recov	12/29/03	70.000	130.000	
LCS	Benzene	71-43-2	53.640	107.000	% Recov	12/29/03	70.000	130.000	
LCS	4-Bromofluorobenzene	460-00-4	96.100	96.100	% Recov	12/29/03	71.000	125.000	
LCS	Chlorobenzene	108-90-7	53.270	107.000	% Recov	12/29/03	70.000	130.000	
LCS	1,2-Dichloroethane-d4	17060-07-0	110.60	111.000	% Recov	12/29/03	80.000	134.000	
LCS	Toluene-d8	2037-26-5	103.30	103.000	% Recov	12/29/03	80.000	126.000	
LCS	Toluene	108-88-3	55.190	110.000	% Recov	12/29/03	70.000	130.000	
LCS	Trichloroethene	79-01-6	52.330	105.000	% Recov	12/29/03	70.000	130.000	

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20031680
Matrix: SOLID
Test: Alcohols, Glycols - 8015

SAF Number: F03-025
Sample Date: 12/17/03
Receive Date:12/18/03

Lab ID: W030001204

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	9700	97.000	%Recove	12/30/03	70.000	125.000	
MS	Ethylene glycol	107-21-1	10200	102.000	%Recove	12/30/03	75.000	125.000	
MSD	2-Bromoethanol	540-51-2	10800	108.000	%Recove	12/30/03	70.000	125.000	
MSD	Ethylene glycol	107-21-1	9200	92.000	%Recove	12/30/03	75.000	125.000	
SPK-RPD	2-Bromoethanol	540-51-2	108.000	10.732	RPD	12/30/03	0.000	20.000	
SPK-RPD	Ethylene glycol	107-21-1	92.000	10.309	RPD	12/30/03	0.000	20.000	

BATCH QC

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
BLANK	2-Bromoethanol	540-51-2	8200	0.820	ug/Kg	12/30/03	0.000	10.000	
BLANK	Ethylene glycol	107-21-1	<5000	n/a	ug/Kg	12/30/03	0.000	5.000	U
LCS	2-Bromoethanol	540-51-2	10100	101.000	%Recove	12/30/03	70.000	130.000	
LCS	Ethylene glycol	107-21-1	8600	86.000	%Recove	12/30/03	70.000	130.000	

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20031680
Matrix: SOLID
Test: NWTPH-GX TPH Gasoline Range

SAF Number: F03-025
Sample Date: 12/17/03
Receive Date:12/18/03

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
Lab ID: W030001203									
BATCH QC ASSOCIATED WITH SAMPLE									
DUP	Total Pet. Hydrocarbons Gas	TPHGASOLINE	<250	n/a	RPD	12/30/03	0.000	20.000	U
Lab ID: W030001204									
BATCH QC ASSOCIATED WITH SAMPLE									
MS	Total Pet. Hydrocarbons Gas	TPHGASOLINE	3500	97.222	% Recov	12/30/03	50.000	150.000	
MSD	Total Pet. Hydrocarbons Gas	TPHGASOLINE	3800	105.556	% Recov	12/30/03	50.000	150.000	
SPK-RPD	Total Pet. Hydrocarbons Gas	TPHGASOLINE	105.556	8.220	RPD	12/30/03	0.000	20.000	
BATCH QC									
BLANK	Total Pet. Hydrocarbons Gas	TPHGASOLINE	<250	n/a	mg/L	12/30/03	0.000	300.000	U
LCS	Total Pet. Hydrocarbons Gas	TPHGASOLINE	3900	113.043	% Recov	12/30/03	85.000	115.000	

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20031680
Matrix: SOLID
Test: & Neptunium by AEA

SAF Number: F03-025
Sample Date: 12/17/03
Receive Date:12/18/03

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
Lab ID: W030001203									
BATCH QC ASSOCIATED WITH SAMPLE									
DUP	Neptunium-237	13994-20-2	1.5e-02	84.360	RPD	01/11/04	0.000	25.000	*
BATCH QC									
BLANK	Neptunium-237	13994-20-2	8.9e-03	0.009	pCi/g	01/11/04	0.000	1000.000	
LCS	Neptunium-237	13994-20-2	8.392	66.603	%Recove	01/11/04	75.000	125.000	*

WSCF ANALYTICAL LABORATORY QC REPORT

2 - 80

SDG Number: WSCF20031680
Matrix: SOLID
Test: ICP Metals Analysis, Grd H20 P

SAF Number: F03-025
Sample Date: 12/06/03
Receive Date:12/08/03

Lab ID: W030001117

BATCH QC ASSOCIATED WITH SAMPLE

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
MS	Boron	7440-42-8	268	107.631	% Recov	01/08/04	75.000	125.000	
MS	Bismuth	7440-69-9	254	102.008	% Recov	01/08/04	75.000	125.000	
MSD	Boron	7440-42-8	255	105.809	% Recov	01/08/04	75.000	125.000	
MSD	Bismuth	7440-69-9	244	101.245	% Recov	01/08/04	75.000	125.000	
SPK-RPD	Boron	7440-42-8	105.809	1.707	RPD	01/08/04	0.000	20.000	
SPK-RPD	Bismuth	7440-69-9	101.245	0.751	RPD	01/08/04	0.000	20.000	

BATCH QC

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
BLANK	Boron	7440-42-8	<10.2	n/a	ug/g	01/08/04	-10.000	10.000	U
BLANK	Bismuth	7440-69-9	<10	n/a	ug/g	01/08/04	-1.000	0.068	U
LCS	Boron	7440-42-8	60.4	94.375	% Recov	01/08/04	80.000	120.000	
LCS	Bismuth	7440-69-9	152	61.290	% Recov	01/08/04	80.000	120.000	*

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20031680
Matrix: SOLID
Test: Uranium Isotopics by AEA

SAF Number: F03-025
Sample Date: 12/17/03
Receive Date:12/18/03

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
Lab ID: W030001203									
BATCH QC ASSOCIATED WITH SAMPLE									
DUP	Uranium-238	U-238	4.7e-01	20.952	RPD	01/23/04	0.000	20.000	*
BATCH QC									
BLANK	Uranium-238	24678-82-8	5.1e-02	0.051	pCi/g	01/23/04	0.000	1000.000	
LCS	Uranium-238	24678-82-8	3.6e+01	94.962	% Recov	01/23/04	75.000	125.000	

WSCF ANALYTICAL LABORATORY QC REPORT

2-82

SDG Number: WSCF20031680
Matrix: SOLID
Test: Plutonium Isotopics by AEA

SAF Number: F03-025
Sample Date: 12/17/03
Receive Date: 12/18/03

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
Lab ID: W030001203									
BATCH QC ASSOCIATED WITH SAMPLE									
DUP	Pu-239/240 by AEA	PU-239/240	2.3e+02	4.255	RPD	01/26/04	0.000	20.000	
BATCH QC									
BLANK	Pu-239/240 by AEA	PU-239/240	6.1e-01	0.610	pCi/g	01/26/04	0.000	1000.000	
LCS	Pu-239/240 by AEA	PU-239/240	13.53	110.000	% Recov	01/26/04	75.000	125.000	

WSCF ANALYTICAL LABORATORY QC REPORT

2-83

SDG Number: WSCF20031680
Matrix: SOLID
Test: Americium by AEA

SAF Number: F03-025
Sample Date:
Receive Date:

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
BATCH QC									
BLANK	Americium-241	14596-10-2	2.3e-02	0.023	pCi/g	01/23/04	0.000	1000.000	
LCS	Americium-241	14596-10-2	12.24	93.080	% Recov	01/23/04	75.000	125.000	
Lab ID: W030001203									
BATCH QC ASSOCIATED WITH SAMPLE									
DUP	Americium-241	14596-10-2	1.4e+02	6.897	RPD	02/02/04	0.000	20.000	
BATCH QC									
BLANK	Americium-241	14596-10-2	8.6e-01	0.860	pCi/g	02/02/04	0.000	1000.000	
LCS	Americium-241	14596-10-2	1.3e+01	98.859	% Recov	02/02/04	75.000	125.000	

W1141-SLF-04-116

ATTACHMENT 3

SAMPLE RECEIPT INFORMATION

Consisting of 11 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

1/17/04

File KB

ACKNOWLEDGMENT OF SAMPLES RECEIVED

Ground Water Protection Program

Richland, WA 99352
Attn: Steve Trent

Customer Code: GPP
PO#: 119143/ES10
Group#: 20031680
Project#: F03-025
Proj Mgr: Steve Trent AO-21
Phone: 373-5869

The following samples were received from you on 12/18/03. 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
W030001208	B17T01	GPP @2008 @8015GPP @AEA-30 @AEA-31 @AEA-32 @AEA-33 @GEA-GPP @GPP6010 @IC-30 @PCBGPP @SVOCGPP @TPHD-WA @TPHG-WA @VOA-GPP CN-02 NH4-IC PERSOLID PH-30	Solid, or handle as if solid	12/17/03
W030001207	B17RY2	GPP @2008 @8015GPP @AEA-30 @AEA-31 @AEA-32 @AEA-33 @GEA-GPP @GPP6010 @IC-30 @PCBGPP @SVOCGPP @TPHD-WA @TPHG-WA @VOA-GPP CN-02 NH4-IC PERSOLID PH-30	Solid, or handle as if solid	12/17/03
W030001205	B17RV4	GPP @2008 @8015GPP @AEA-30 @AEA-31 @AEA-32 @AEA-33 @GEA-GPP @GPP6010 @IC-30 @PCBGPP @SVOCGPP @TPHD-WA @TPHG-WA @VOA-GPP CN-02 NH4-IC PERSOLID PH-30	Solid, or handle as if solid	12/17/03
W030001203	B17RX1	GPP @2008 @8015GPP @AEA-30 @AEA-31 @AEA-32 @AEA-33 @GEA-GPP @GPP6010 @IC-30 @PCBGPP @SVOCGPP @TPHD-WA @TPHG-WA @VOA-GPP CN-02 NH4-IC PERSOLID PH-30	Solid, or handle as if solid	12/17/03
W030001204	B17RX5	GPP @2008 @8015GPP @AEA-30 @AEA-31 @AEA-32 @AEA-33 @GEA-GPP @GPP6010 @IC-30 @PCBGPP @SVOCGPP @TPHD-WA @TPHG-WA @VOA-GPP CN-02 NH4-IC PERSOLID PH-30	Solid, or handle as if solid	12/17/03
W030001206	B17RX9	GPP @2008 @8015GPP @AEA-30 @AEA-31 @AEA-32 @AEA-33 @GEA-GPP @GPP6010 @IC-30 @PCBGPP @SVOCGPP @TPHD-WA @TPHG-WA @VOA-GPP CN-02 NH4-IC PERSOLID PH-30	Solid, or handle as if solid	12/17/03

Test Acronym Description

Test Acronym	Description

VB

Ground Water Protection Program

Richland, WA 99352
Attn: Steve Trent

Customer Code: GPP
PO#: 119143/ES10
Group#: 20031680
Project#: F03-025
Proj Mgr: Steve Trent AO-21
Phone: 373-5869

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
@AEA-33	& Neptunium by AEA
@GEA-GPP	Gamma Energy Analysis-grd H20
@GPP6010	ICP Metals Analysis, Grd H20 P
@IC-30	Anions by Ion Chromatography
@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

FLUOR Hanford Inc.	CENTRAL PLATEAU CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST		F03-025-050	Page 1 of 1
Collector Pope/Pfister/Hughes	Company Contact TRENT, STEVE	Telephone No. 373-5689	Project Coordinator TRENT, SJ	Price Code ~~8N~~ 8H Data Turnaround ~~45 Days~~ 30 DAYS
Project Designation 200-LW-1/LW-2 Characterization - Soil	Sampling Location 216-B-58 #2 (52.5-55 FT)		SAF No. F03-025	Air Quality
Ice Chest No.	Field Logbook No. HNF-10-3361	COA 119143ES10	Method of Shipment ~~FEDERAL EXPRESS~~ GOV. Vehicle	
Shipped To Waste Sampling & Characterization	Offsite Property No. N/A		Bill of Lading/Air Bill No. N/A	

POSSIBLE SAMPLE HAZARDS/REMARKS

Special Handling and/or Storage

Preservation	Cool 4C	Cool 4C	Cool 4C	Cool 4C	None	None	None			
Type of Container	Gs*	aG	aG	Gs*	P	G/P	G			
No. of Container(s)	3	1	1	3	1	1	1			
Volume	40mL	120mL	120mL	40mL	500mL	250mL	120mL			
SAMPLE ANALYSIS	VOA - 8260A (TCL); VOA - 8260A (Add-On) [1-Butanol]	See item (1) in Special Instructions.	PCBs - 8082	Alcohols, Glycols, & Ketones - 8015 [Ethylene glycol]	See item (2) in Special Instructions.	See item (3) in Special Instructions.	See item (4) in Special Instructions.			

Sample No.	Matrix *	Sample Date	Sample Time										
B17T01	SOIL	12-18-03	0945	X	X	X	X	X	X	X			
1206													

CHAIN OF POSSESSION		Sign/Print Names	
Relinquished By/Removed From Kevin Hughes	Date/Time 12-18-03 12:45	Received By/Stored In	Date/Time 12/18/03 1245
Relinquished By/Removed From	Date/Time	Received By/Stored In	Date/Time
Relinquished By/Removed From	Date/Time	Received By/Stored In	Date/Time
Relinquished By/Removed From	Date/Time	Received By/Stored In	Date/Time
Relinquished By/Removed From	Date/Time	Received By/Stored In	Date/Time
Relinquished By/Removed From	Date/Time	Received By/Stored In	Date/Time

SPECIAL INSTRUCTIONS

The laboratory is to analyze pH within 24 hours of sample receipt. The laboratory is to report kerosene range organics from the WTPH-D analysis. See SAF COC Comments for holding time issues.

(1) Semi-VOA - 8270A (TCL) [Phenol]; Semi-VOA -- 8270A (Add-On) [Tributyl phosphate], TPH-Diesel Range - WTPH-D [Total petroleum hydrocarbons - diesel range, Total petroleum hydrocarbons - kerosene range]; TPH-Gasoline Range - WTPH-G
(2) Gamma Spectroscopy [Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155]; Gamma Spec - Add-on [Antimony-125, Cesium-134]; Isotopic Plutonium; Isotopic Uranium; Neptunium-237; Americium-241
(3) 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]
(4) IC Anions - 300.0 [Chloride, Fluoride, Nitrogen in Nitrate, Nitrogen in Nitrite, Phosphate, Sulfate]; Cations (IC) - 300.7 [Nitrogen in ammonium]; Cyanide (Total) - 335.2; pH (Soil) - 9045

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

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

6003-618(03/03)

FLUOR Hanford Inc.	CENTRAL PLATEAU CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F03-025-042	Page 1 of 1
Collector Pope/Pfister/Hughes	Company Contact TRENT, STEVE Telephone No. 373-5689	Project Coordinator TRENT, SJ	Price Code ~~8N~~ 8H Data Turnaround ~~15 Days~~ 30 DAYS
Project Designation 200-LW-1/LW-2 Characterization - Soil	Sampling Location 216-B-58 #2 (27.5-30 FT)	SAF No. F03-025	Air Quality
Ice Chest No.	Field Logbook No. HNF-N-3361 COA 119143ES10	Method of Shipment ~~FEDERAL EXPRESS~~ GOV. Vehicle	
Shipped To Waste Sampling & Characterization	Offsite Property No. N/A	Bill of Lading/Air Bill No. N/A	

POSSIBLE SAMPLE HAZARDS/REMARKS

Radioactive Tie To: B17RY3

Special Handling and/or Storage

Preservation			Cool 4C	Cool 4C	Cool 4C	Cool 4C	None	None	None			
Type of Container			Gs*	aG	aG	Gs*	P	Gal P	G			
No. of Container(s)			3	1	1	3	1	1	1			
Volume			40mL	120mL	120mL	40mL	500mL	250mL	120mL			
SAMPLE ANALYSIS			VOA - 8260A (TCL); VOA - 8260A (Add-On) {1-Butanol}	See item (1) in Special Instructions.	PCBs - 8082	Alcohols, Glycols, & Ketones - 8015 {Ethylene glycol}	See item (2) in Special Instructions.	See item (3) in Special Instructions.	See item (4) in Special Instructions.			
Sample No.	Matrix *	Sample Date	Sample Time									
B17RY2	SOIL	12-17-3	14:00	—	—	—	—	—	—	—		
1207												

CHAIN OF POSSESSION	Date/Time	Sign/Print Names	Date/Time
Relinquished By/Removed From JSPOPE/JSPfister	12/18/03 1245	Received By/Stored In [illegible]	12/18/03 1245
Relinquished By/Removed From	Date/Time	Received By/Stored In	Date/Time
Relinquished By/Removed From	Date/Time	Received By/Stored In	Date/Time
Relinquished By/Removed From	Date/Time	Received By/Stored In	Date/Time
Relinquished By/Removed From	Date/Time	Received By/Stored In	Date/Time
Relinquished By/Removed From	Date/Time	Received By/Stored In	Date/Time

SPECIAL INSTRUCTIONS

The laboratory is to analyze pH within 24 hours of sample receipt. The laboratory is to report kerosene range organics from the WTPH-D analysis. See SAF COC Comments for holding time issues.

(1) Semi-VOA - 8270A (TCL) {Phenol}; Semi-VOA -- 8270A (Add-On) {Tributyl phosphate}; TPH-Diesel Range - WTPH-D {Total petroleum hydrocarbons - diesel range, Total petroleum hydrocarbons - kerosene range}; TPH-Gasoline Range - WTPH-G
(2) Gamma Spectroscopy {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155}; ~~Gamma Spec - Add-on {Antimony-125, Cesium-134}~~; Isotopic Plutonium; Isotopic Uranium; Neptunium-237; Americium-241
(3) 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}
(4) IC Anions - 300.0 {Chloride, Fluoride, Nitrogen in Nitrate, Nitrogen in Nitrite, Phosphate, Sulfate}; Cations (IC) - 300.7 {Nitrogen in ammonium}; Cyanide (Total) - 335.2; pH (Soil) - 9045

Matrix *

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

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

FLUOR Hanford Inc.	CENTRAL PLATEAU CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST		F03-025-041	Page 1 of 1
Collector Pope/Pfister/Hughes	Company Contact TRENT, STEVE	Telephone No. 373-5689	Project Coordinator TRENT, SJ	Price Code ~~8N~~ 9H Data Turnaround ~~45 Days~~ 30 DAYS
Project Designation 200-LW-1/LW-2 Characterization - Soil	Sampling Location 216-B-58 #2 (22.5-25 FT)		SAF No. F03-025	Air Quality
Ice Chest No.	Field Logbook No. HNF-N-3360-1	COA 119143ES10	Method of Shipment ~~FEDERAL EXPRESS~~ GOV. VEHICLE	
Shipped To Waste Sampling & Characterization	Offsite Property No. N/A		Bill of Lading/Air Bill No. N/A	

POSSIBLE SAMPLE HAZARDS/REMARKS

Radio Release Tie To: B17RY0

Special Handling and/or Storage

Preservation			Cool 4C	Cool 4C	Cool 4C	Cool 4C	None	None	None			
Type of Container			Gs*	aG	aG	Gs*	P	P	G			
No. of Container(s)			3	1	1	3	1	1	1			
Volume			40mL	120mL	120mL	40mL	500mL	250mL	120mL			
SAMPLE ANALYSIS			VOA - 8260A (TCL); VOA - 8260A (Add-On) (1-Butanol)	See item (1) in Special Instructions.	PCBs - 8082	Alcohols, Glycols, & Ketones - 8015 (Ethylene glycol)	See item (2) in Special Instructions.	See item (3) in Special Instructions.	See item (4) in Special Instructions.			
Sample No.	Matrix *	Sample Date	Sample Time									
B17RX9	SOIL	12/17/03	1330	X	X	X	X	X	X	X		
1206												

CHAIN OF POSSESSION		Sign/Print Names	
Relinquished By/Removed From	Date/Time	Received By/Stored In	Date/Time
[illegible]	12/18/03 1245	[illegible]	12/18/03 1245
Relinquished By/Removed From	Date/Time	Received By/Stored In	Date/Time
Relinquished By/Removed From	Date/Time	Received By/Stored In	Date/Time
Relinquished By/Removed From	Date/Time	Received By/Stored In	Date/Time
Relinquished By/Removed From	Date/Time	Received By/Stored In	Date/Time
Relinquished By/Removed From	Date/Time	Received By/Stored In	Date/Time

SPECIAL INSTRUCTIONS

The laboratory is to analyze pH within 24 hours of sample receipt. The laboratory is to report kerosene range organics from the WTPH-D analysis. See SAF COC Comments for holding time issues.

(1) Semi-VOA - 8270A (TCL) (Phenol); Semi-VOA -- 8270A (Add-On) (Tributyl phosphate); TPH-Diesel Range - WTPH-D (Total petroleum hydrocarbons - diesel range, Total petroleum hydrocarbons - kerosene range); TPH-Gasoline Range - WTPH-G
(2) Gamma Spectroscopy (Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155); Gamma Spec - Add-on (Antimony-125, Cesium-134); Isotopic Plutonium; Isotopic Uranium; Neptunium-237; Americium-241
(3) 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)
(4) IC Anions - 300.0 (Chloride, Fluoride, Nitrogen in Nitrate, Nitrogen in Nitrite, Phosphate, Sulfate); Cations (IC) - 300.7 (Nitrogen in ammonium); Cyanide (Total) - 335.2; pH (Soil) - 9045

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

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

03-618(03/03)

FLUOR Hanford Inc.	CENTRAL PLATEAU CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F03-025-040	Page 1 of 1

Collector Pope/Pfister/Hughes	Company Contact TRENT, STEVE	Telephone No. 373-5689	Project Coordinator TRENT, SJ	Price Code ~~8N~~ 8H	Data Turnaround ~~45 Days~~ 30 DAYS
Project Designation 200-LW-1/LW-2 Characterization - Soil	Sampling Location 216-B-58 #2 (35-37.5 FT)		SAF No. F03-025	Air Quality	
Ice Chest No.	Field Logbook No. HNF-N-3361	COA 119143ES10	Method of Shipment ~~FEDERAL EXPRESS~~ GOV. Vehicle		
Shipped To Waste Sampling & Characterization	Offsite Property No. N/A		Bill of Lading/Air Bill No. N/A		

POSSIBLE SAMPLE HAZARDS/REMARKS

Radioactive Tie To: B17RY7

Special Handling and/or Storage

Preservation			Cool 4C	Cool 4C	Cool 4C	Cool 4C	None	None	None		
Type of Container			Gs*	aG	aG	Gs*	P	G/P	G		
No. of Container(s)			3	1	1	3	1	1	1		
Volume			40mL	120mL	120mL	40mL	500mL	250mL	120mL		
SAMPLE ANALYSIS			VOA - 8260A (TCL); VOA - 8260A (Add-On) {1-Butanol}	See item (1) in Special Instructions.	PCBs - 8082	Alcohols, Glycols, & Ketones - 8015 {Ethylene glycol}	See item (2) in Special Instructions.	See item (3) in Special Instructions.	See item (4) in Special Instructions.		
Sample No.	Matrix *	Sample Date	Sample Time								
B17RV4	SOIL	12-18-03	0705	X	X	X	X	X	X	X	
1205											

CHAIN OF POSSESSION		Sign/Print Names	
Relinquished By/Removed From	Date/Time	Received By/Stored In	Date/Time
[illegible]	12/18/03 1245	[illegible]	12/18/03 1245
Relinquished By/Removed From	Date/Time	Received By/Stored In	Date/Time
Relinquished By/Removed From	Date/Time	Received By/Stored In	Date/Time
Relinquished By/Removed From	Date/Time	Received By/Stored In	Date/Time
Relinquished By/Removed From	Date/Time	Received By/Stored In	Date/Time
Relinquished By/Removed From	Date/Time	Received By/Stored In	Date/Time

SPECIAL INSTRUCTIONS

The laboratory is to analyze pH within 24 hours of sample receipt. The laboratory is to report kerosene range organics from the WTPH-D analysis. See SAF COC Comments for holding time issues.

(1) Semi-VOA - 8270A (TCL) {Phenol}; Semi-VOA -- 8270A (Add-On) {Tributyl phosphate}; TPH-Diesel Range - WTPH-D {Total petroleum hydrocarbons - diesel range, Total petroleum hydrocarbons - kerosene range}; TPH-Gasoline Range - WTPH-G
(2) Gamma Spectroscopy {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155}; Gamma Spec - Add-on {Antimony-125, Cesium-134}; Isotopic Plutonium; Isotopic Uranium; Neptunium-237; Americium-241
(3) 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}
(4) IC Anions - 300.0 {Chloride, Fluoride, Nitrogen in Nitrate, Nitrogen in Nitrite, Phosphate, Sulfate}; Cations (IC) - 300.7 {Nitrogen in ammonium}; Cyanide (Total) - 335.2; pH (Soil) - 9045

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

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

FLUOR Hanford Inc.	CENTRAL PLATEAU CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F03-025-037	Page 1 of 1

Collector Pope/Pfister/Hughes	Company Contact TRENT, STEVE	Telephone No. 373-5689	Project Coordinator TRENT, SJ	Price Code ~~8N~~ 8H	Data Turnaround ~~45 Days~~ 30 DAYS
Project Designation 200-LW-1/LW-2 Characterization - Soil	Sampling Location 216-B-58 #2 (17.5-20 FT)		SAF No. F03-025	Air Quality	
Ice Chest No.	Field Logbook No. HWF-10.336-1	COA 119143ES10	Method of Shipment ~~FEDERAL EXPRESS~~ GOV. Vehicle		
Shipped To Waste Sampling & Characterization	Offsite Property No. N/A		Bill of Lading/Air Bill No. N/A		

POSSIBLE SAMPLE HAZARDS/REMARKS

Radioactive Tie To: B17RX6

Special Handling and/or Storage

Preservation	Cool 4C	Cool 4C	Cool 4C	Cool 4C	None	None	None			
Type of Container	Gs*	aG	aG	Gs*	P	P	G			
No. of Container(s)	3	1	1	3	1	1	1			
Volume	40mL	120mL	120mL	40mL	500mL	250mL	120mL			
SAMPLE ANALYSIS	VOA - 8260A (TCL); VOA - 8260A (Add-On) {1-Butanol}	See item (1) in Special Instructions.	PCBs - 8082	Alcohols, Glycols, & Ketones - 8015 {Ethylene glycol}	See item (2) in Special Instructions.	See item (3) in Special Instructions.	See item (4) in Special Instructions.			

Sample No.	Matrix *	Sample Date	Sample Time										
~~B17RW6~~	~~SOIL~~	MT 12/8/03											
B17RX5	SOIL	12-17-03	10:25	✓	✓	✓	✓	✓	✓	✓			
1204													

CHAIN OF POSSESSION	Date/Time	Sign/Print Names	Date/Time
Relinquished By/Removed From JS/POPE/Pfister/Hughes	12/18/03 1245	Received By/Stored In [signature]	12/18/03 1245
Relinquished By/Removed From	Date/Time	Received By/Stored In	Date/Time
Relinquished By/Removed From	Date/Time	Received By/Stored In	Date/Time
Relinquished By/Removed From	Date/Time	Received By/Stored In	Date/Time
Relinquished By/Removed From	Date/Time	Received By/Stored In	Date/Time
Relinquished By/Removed From	Date/Time	Received By/Stored In	Date/Time

SPECIAL INSTRUCTIONS

The laboratory is to analyze pH within 24 hours of sample receipt. The laboratory is to report kerosene range organics from the WTPH-D analysis. See SAF COC Comments for holding time issues.

(1) Semi-VOA - 8270A (TCL) {Phenol}; Semi-VOA -- 8270A (Add-On) {Tributyl phosphate}; TPH-Diesel Range - WTPH-D {Total petroleum hydrocarbons - diesel range, Total petroleum hydrocarbons - kerosene range}; TPH-Gasoline Range - WTPH-G
(2) Gamma Spectroscopy {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155}; Gamma Spec - Add-on {Antimony-125, Cesium-134}; Isotopic Plutonium; Isotopic Uranium; Neptunium-237; Americium-241
(3) 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}
(4) IC Anions - 300.0 {Chloride, Fluoride, Nitrogen in Nitrate, Nitrogen in Nitrite, Phosphate, Sulfate}; Cations (IC) - 300.7 {Nitrogen in ammonium}; Cyanide (Total) - 335.2; pH (Soil) - 9045

Matrix *

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

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

1/17/04

FLUOR Hanford Inc.	CENTRAL PLATEAU CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F03-025-036	Page 1 of 1

Collector Pope/Pfister/Hughes	Company Contact TRENT, STEVE	Telephone No. 373-5689	Project Coordinator TRENT, SJ
Price Code ~~8N~~ 8H	Data Turnaround ~~45 Days~~ 30 DAYS		
Project Designation 200-LW-1/LW-2 Characterization - Soil	Sampling Location 216-B-58 #2 (12.5-15 FT)		SAF No. F03-025
Air Quality			
Ice Chest No.	Field Logbook No. HNF-N-3210-1	COA 119143ES10	Method of Shipment FEDERAL EXPRESS
Shipped To Waste Sampling & Characterization	Offsite Property No. N/A		Bill of Lading/Air Bill No. N/A

POSSIBLE SAMPLE HAZARDS/REMARKS

Radioactive Tie To: B17RX2

Special Handling and/or Storage

Preservation	Cool 4C	Cool 4C	Cool 4C	Cool 4C	None	None	None				
Type of Container	Gs*	aG	aG	Gs*	P	P	G				
No. of Container(s)	3	1	1	3	1	1	1				
Volume	40mL	120mL	120mL	40mL	500mL	250mL	120mL				
SAMPLE ANALYSIS	VOA - 8260A (TCL); VOA - 8260A (Add-On) (1-Butanol) plus see #5	See item (1) in Special Instructions.	PCBs - 8082	Alcohols, Glycols, & Ketones - 8015 (Ethylene glycol)	See item (2) in Special Instructions.	See item (3) in Special Instructions.	See item (4) in Special Instructions.				
20031680		always	11/26/03								
Sample No.	Matrix *	Sample Date	Sample Time								
B17RX1	SOIL	12/17/03	0900	X	X	X	X	X	X	X	
WS3000 1203											

CHAIN OF POSSESSION	Sign/Print Names		
Relinquished By/Removed From	Date/Time 12:45	Received By/Stored In	Date/Time 1245
Kevin Avles Kevin Avles	12-18-3	Kevin Avles	12/18/03
Relinquished By/Removed From	Date/Time	Received By/Stored In	Date/Time
Relinquished By/Removed From	Date/Time	Received By/Stored In	Date/Time
Relinquished By/Removed From	Date/Time	Received By/Stored In	Date/Time
Relinquished By/Removed From	Date/Time	Received By/Stored In	Date/Time
Relinquished By/Removed From	Date/Time	Received By/Stored In	Date/Time

SPECIAL INSTRUCTIONS

The laboratory is to analyze pH within 24 hours of sample receipt. The laboratory is to report kerosene range organics from the WTPH-D analysis. See SAF COC Comments for holding time issues.

(1) Semi-VOA - 8270A (TCL) {Phenol}; Semi-VOA -- 8270A (Add-On) {Tributyl phosphate}; TPH-Diesel Range - WTPH-D {Total petroleum hydrocarbons - diesel range, Total petroleum hydrocarbons - kerosene range}; TPH-Gasoline Range - WTPH-G
(2) Gamma Spectroscopy {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155}; Gamma Spec - Add-on {Antimony-125, Cesium-134}; Isotopic Plutonium; Isotopic Uranium; Neptunium-237; Americium-241
(3) 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, Lead, Boron} Always 11/26/03
(4) IC Anions - 300.0 {Chloride, Fluoride, Nitrogen in Nitrate, Nitrogen in Nitrite, Phosphate, Sulfate}; Cations (IC) - 300.7 {Nitrogen in ammonium}; Cyanide (Total) - 335.2; pH (Soil) - 9045

#5 VOA-8260A (Add-On) cis and trans-1,2-dichloroethylene 11/26/03

Matrix *
S=Soil
SE=Sediment
SO=Solid
St=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

6003-618(03/03)

Dale, Troy F

From:	Iwatate, Kenneth
Sent:	Thursday, January 22, 2004 11:10 AM
To:	Dale, Troy F; Trechter, John E Jr.
Cc:	Rice, Andrew D; Fitzgerald, Scot L
Subject:	Low Neptunium Recovery for LCS
Importance:	High

Troy, John

The Groundwater Protection Project (GPP) sent to the WSCF laboratory several soil samples and requested neptunium analyses. All of this work had to be done in a short period of time. All samples were analyzed using the following batch criteria: Blank, LCS, "LCS+spike", Sample, Duplicate, Sample+spike, and Duplicate+spike, since we did not have any suitable neptunium tracer. It should be noted that the LCS and "LCS+spike" are made up by using 25 mLs of 2M nitric acid and, in the case of the LCS, spiked with 0.025 mL of a 252 dpm/mL Np-237 solution and, in the case of the "LCS+spike", 0.05 mL of the Np-237 solution. The spiked duplicate and samples were done with 0.025 mL of the same Np-237 solution.

After an initial batch of soils was processed and the data analyzed, the Np-237 recovery for the LCS and "LCS+spike" were found to be approximately 50-60%. Initially, it was thought that there was just a simple error since the same data showed that the spike recoveries of the duplicate and soil samples were in the acceptable range of 75 - 125% (QAPP-017).

Due to the time crunch all soils were processed for Np. The data was analyzed and the same problem was apparent; LCS and "LCS+spike" recoveries on the order of 50% whereas, the soil spikes were in the range of approximately 75-125%. The results of the spike recoveries for the soils alone showed that the method was working properly, yet there seemed to be an oddity with the LCS and "LCS+spike".

Before the last batch of soils was to be processed (report due to GPP on 1/29), a test of a hypothesis was conducted. It was the chemist's idea that the major difference between the soils and the LCS was the level of iron. It isn't so much that the iron helps in extraction *per se*, but that the addition of ascorbic acid to convert all iron(III) to iron(II) was excessive due to a poorly detected color change or lack thereof. If excess ascorbic acid is present, Np could change its oxidation state to one that has a lower Kd (distribution coefficient) on the TEVA resin at the conditions for efficient extraction. Conversely, if the iron(II) sulfamate reagent was at 0.6M, the excess ascorbic acid would not be present, due to an easily detectable color change. Could this mean that the iron(II) sulfamate solution was less than the required 0.6M?

Four test samples were run. These consisted of 25 mLs of 2M nitric acid spiked with Np-237. Two of the samples contained 1 mL of iron carrier (10 mg) and 2 mL of the iron(II) sulfamate. The other two samples just had 4 mLs of the iron(II) sulfamate added. Also in all cases, the technician took great pains by adding the ascorbic acid solution dropwise and letting the sample sit for a few seconds between additions. (SEE attached Excel™ spreadsheet for details).

NpTest.xls (19 KB)

As you can see in the spreadsheet data, the recoveries ran 88-107%. The extra iron, from either adding 10 mg of iron or doubling the iron(II) sulfamate, aided in the extraction of Np using TEVA resin. I believe that this is mostly attributable to the fact that ascorbic acid is kept to a minimum by detecting the color change. It may also be concluded that the iron(II) sulfamate concentration may not be 0.6M. To improve on this, one can either add a very small amount of iron to the samples, except for those containing lots of iron, or use a more sensitive indicator such as 1 drop of ammonium thiocyanate (1M).

If you have any questions, feel free to call.

Ken Iwatate
Radiochemistry
Analytical Services, WSCF
Voice: (509)373-7198 (Office)
FAX: (509) 372-0456
Fluor Hanford, S3-30, PO Box 1000, Richland, WA 99352

Neptunium Test Results - 1/22/04

Test ID	AEA ID	AEA Net Area	AEA Bkg	Count Time min	AEA Eff	^{237}Np Found dpm	^{237}Np Added dpm	% Recovery
LCS1	10	1271	7	1000	0.2039	6.20	6.3	98.4%
LCS2	11	2641	4	1000	0.2369	11.13	12.6	88.3%
LCS3	12	1437	1	1000	0.2120	6.77	6.3	107.5%
LCS4	13	2710	3	1000	0.2211	12.24	12.6	97.2%
Blank	9	9	5	1000	0.2211	0.02	<----- MDA	

LCS1 25mLs of 2M HNO_3 spiked with 0.025 mL ^{237}Np (252 dpm/mL). 1 mL of 10 mg/mL Fe carrier and 2 mL of iron(II) sulfamate

LCS2 same as LCS1 but spiked with 0.05 mL ^{237}Np

LCS3 25 mLs of 2M HNO_3, spiked with 0.025 mL ^{237}Np. 4 mLs of iron(II) sulfamate was used.

LCS4 same as LCS3 but spiked with 0.05 mL ^{237}Np.

Addition of the ascorbic acid was performed dropwise and the solution was allowed to sit for a few seconds between additions.