Fluor Hanford, Inc.
Post Office Box 1000
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FLUOR

Memorandum

T4180-03-SLF-045

To: S. J. Trent — Date: October 3, 2003

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

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

Subject: FINAL RESULTS FOR 200-PW-2/200-PW-4 OU- BOREHOLE SOIL SAMPLING-SAMPLE DELIVERY GROUP WSCF20031225 - SAF NUMBER F03-006

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

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

This letter contains a narrative (Attachment 1) for the sample delivery group (WSCF20031225), the analytical results (Attachment 2) and the sample receipt information (Attachment 3).

slf/ddw

Attachments 3

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T4180-03-SLF-045

ATTACHMENT 1

NARRATIVE

Consisting of 3 pages
Cover page not included

Sample Delivery Group	**WSCF20031225**
Sample Matrix	**Soil**
Sample Visual	**Brown**
SAF Number	**F03-006**
Data Deliverable	**Summary Report**

Introduction

Two (2) soil samples (B17HY2 and B17HY8) from the GPP were received at the WSCF Laboratory on September 4, 2003. Theses samples were analyzed for those analytes indicated on the attached copy of the chain of custody (COC) form in accordance with the *Groundwater Protection Program- Letter of Instruction*, referenced in the cover letter.

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

Analytical Methodology for Requested Analyses

- PCB's by EPA SW-846 Method 8082. Analytical work was performed with no deviations to the approved method.
- ICP-MS Metals by EPA Method 200.8 and ICP-AES Metals by EPA SW-846 Method 6010A. Analytical work was performed with no deviations to the approved method.
- Semi-VOA's by EPA SW-846 Method 8270B. Analytical work was performed with no deviations to the approved method.
- Alcohols and Glycols by EPA SW-846 Method 8015. Analytical work was performed with no deviations to the approved method.
- WTPH-D by WDOE Method NWTPH-Dx. Analytical work was performed with no deviations to the approved method.
- WTPH-G by WDOE Method NWTPH-Gx. Analytical work was performed with no deviations to the approved method.
- IC Anions and Ammonium by EPA SW-846 Method 300.0 and 300.7. Analytical work was performed with no deviations to the approved method for Ammonium, but a deviation was required for the Anions (see comments below).

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

- Percent Solids by EPA Method 160.3. Analytical work was performed with no deviations to the approved method.

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

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

Comments

PCB's – The hold time(s) for this analysis was met. A Laboratory Control Sample, Matrix Spike and Matrix Spiked Duplicate were analyzed with each delivery group per the GPP Letter of Instruction. See page(s) 2-31 and 2-32 for QC details.

ICP-MS and ICP-AES Metals – The hold time(s) for this analysis was met. A Laboratory Control Sample, Matrix Spike and Matrix Spiked Duplicate were analyzed with each delivery group per the GPP Letter of Instruction. See page(s) 2-25, 2-26, 2-27, 2-28, 2-29 and 2-51 for QC details. The QC associated with the ICP-AES (page 2-51) is a different format because multiple sample delivery groups were ran for the requested elements. WSCF sample numbers W030000799 and W030000800 are GPP samples B17HY2 and B17HY8 for this group.

VOA's – The hold time(s) for this analysis was met. A Laboratory Control Sample, Matrix Spike and Matrix Spiked Duplicate were analyzed with each delivery group per the GPP Letter of Instruction. See page(s) 2-46, 2-47 and 2-48 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) 2-33 2-34, 2-35, and 2-36 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) 2-49 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) 2-39 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) 2-50 for details.

IC Anions – The client requested hold time(s) for this analysis was not met. The client was notified and requested WSCF to continue with this analysis. A Laboratory Control Sample, Matrix Spike and Matrix Spiked Duplicate were analyzed with each delivery group per the GPP Letter of Instruction. See page(s) 2-37 and 2-38 for QC details.

NH4 – The hold time(s) for this analysis was met. A Laboratory Control Sample, Matrix Spike and Matrix Spiked Duplicate were analyzed with each delivery group per the GPP Letter of Instruction. See page(s) 2-40 for QC details.

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) 2-30 for QC details.

RadChem – There are no hold times associated with these WDOE accredited methods. Except for GEA, a Laboratory Control Sample and Duplicate were analyzed with each delivery group per the GPP Letter of Instruction. See page(s) 2-41, 2-42, 2-43, 2-44 and 2-45 for QC details.

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

Troy Dale
WSCF Production Control

Abbreviations

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

T4180-03-SLF-045

ATTACHMENT 2

ANALYTICAL RESULTS

Consisting of 51 pages
Cover page not included

WSCF
ANALYTICAL RESULTS REPORT

for

Ground Water Protection Program

Richland, WA 99352

Attention: Steve Trent

Analytical: _____

Client Services: _____

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

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

Contract#: F03-006
Report#: WSCF20031225
Report Date: 2-oct-2003
Report WGPP/ver. 1
Ground Water Protection Program

WSCF
ANALYTICAL RESULTS REPORT

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

Group #: WSCF20031225

Sample #	Client ID	CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W030000799	B17HY2 TRENT	57-12-5	Cyanide	SOIL	LA-695-402	U	< 0.200	mg/kg	1.00	0.20	09/17/03	09/04/03	09/04/03
W030000799	B17HY2 TRENT	NH4-N	Nitrogen in ammonium	SOIL	LA-503-401	U	< 0.200	mg/kg	50.00	0.20	09/24/03	09/04/03	09/04/03
W030000799	B17HY2 TRENT	TS	Total solids	SOIL	LA-519-412		95.3	%	1.00	0.0	09/18/03	09/04/03	09/04/03
W030000799	B17HY2 TRENT	PH	pH Measurement	SOIL	LA-212-411		9.02	pH	1.00	0.010	09/30/03	09/04/03	09/04/03
W030000799	B17HY2 TRENT	60-29-7	Diethyl ether	SOIL	Organics	U	< 5.00e+03	ug/kg	1.00	5.0e+03	09/16/03	09/04/03	09/04/03
W030000799	B17HY2 TRENT	67-56-1	Methanol	SOIL	Organics	U	< 1.00e+03	ug/kg	1.00	1.0e+03	09/16/03	09/04/03	09/04/03
W030000799	B17HY2 TRENT	107-21-1	Ethylene glycol	SOIL	Organics	U	< 5.00e+03	ug/kg	1.00	5.0e+03	09/16/03	09/04/03	09/04/03
W030000799	B17HY2 TRENT	14596-10-2	Americium-241	SOIL	LA-508-471	U	0.0140	pCi/g	1.00	0.058	09/22/03	09/04/03	09/04/03
W030000799	B17HY2 TRENT	E,T,C	Am-241 by AEA Total Cntg Error	SOIL	LA-508-471		+- 0.0350	pCi/g	1.00	0.0	09/22/03	09/04/03	09/04/03
W030000799	B17HY2 TRENT	16984-48-8	Fluoride	SOIL	LA-533-410	U	< 0.350	mg/kg	50.00	0.35	09/15/03	09/04/03	09/04/03
W030000799	B17HY2 TRENT	16887-00-6	Chloride	SOIL	LA-533-410		1.89	mg/kg	50.00	0.70	09/15/03	09/04/03	09/04/03
W030000799	B17HY2 TRENT	NO2-N	Nitrogen in Nitrite	SOIL	LA-533-410	U	< 0.450	mg/kg	50.00	0.45	09/15/03	09/04/03	09/04/03
W030000799	B17HY2 TRENT	NO3-N	Nitrogen in Nitrate	SOIL	LA-533-410		3.55	mg/kg	50.00	0.25	09/15/03	09/04/03	09/04/03
W030000799	B17HY2 TRENT	14265-44-2	Phosphate	SOIL	LA-533-410	U	< 0.650	mg/kg	50.00	0.65	09/15/03	09/04/03	09/04/03
W030000799	B17HY2 TRENT	14808-79-8	Sulfate	SOIL	LA-533-410	B	22.7	mg/kg	50.00	1.2	09/15/03	09/04/03	09/04/03
W030000799	B17HY2 TRENT	10198-40-0	Cobalt-60	SOIL	LA-508-462	U	6.40e-04	pCi/g	1.00	0.013	09/25/03	09/04/03	09/04/03
W030000799	B17HY2 TRENT	E,T,C	Co-60 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 6.40e-03	pCi/g	1.00	0.0	09/25/03	09/04/03	09/04/03
W030000799	B17HY2 TRENT	14234-35-6	Antimony-125	SOIL	LA-508-462	U	0.0204	pCi/g	1.00	0.033	09/25/03	09/04/03	09/04/03
W030000799	B17HY2 TRENT	E,T,C	Sb-125 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.0192	pCi/g	1.00	0.0	09/25/03	09/04/03	09/04/03
W030000799	B17HY2 TRENT	13967-70-9	Cesium-134	SOIL	LA-508-462	U	0.0434	pCi/g	1.00	0.017	09/25/03	09/04/03	09/04/03
W030000799	B17HY2 TRENT	E,T,C	Cs-134 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.0156	pCi/g	1.00	0.0	09/25/03	09/04/03	09/04/03
W030000799	B17HY2 TRENT	10045-97-3	Cesium-137	SOIL	LA-508-462		0.0335	pCi/g	1.00	0.013	09/25/03	09/04/03	09/04/03
W030000799	B17HY2 TRENT	E,T,C	Cs-137 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.0123	pCi/g	1.00	0.0	09/25/03	09/04/03	09/04/03
W030000799	B17HY2 TRENT	14683-23-9	Europium-152	SOIL	LA-508-462	U	-7.52e-03	pCi/g	1.00	0.034	09/25/03	09/04/03	09/04/03
W030000799	B17HY2 TRENT	E,T,C	Eu-152 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.0242	pCi/g	1.00	0.0	09/25/03	09/04/03	09/04/03
W030000799	B17HY2 TRENT	15585-10-1	Europium-154	SOIL	LA-508-462	U	-0.0114	pCi/g	1.00	0.042	09/25/03	09/04/03	09/04/03
W030000799	B17HY2 TRENT	E,T,C	Eu-154 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.0251	pCi/g	1.00	0.0	09/25/03	09/04/03	09/04/03

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

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: F03-006: 200-PW-2/PW-4

Group #: WSCF20031225

Sample #	Client ID		CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W030000799	B17HY2	TRENT	14391-16-3	Europium-155	SOIL	LA-508-462	U	0.0185	pCi/g	1.00	0.049	09/25/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	E,T,C	Eu-155 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.0298	pCi/g	1.00	0.0	09/25/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	15832-50-5	Tin-126	SOIL	LA-508-462	U	0.159	pCi/g	1.00	0.20	09/25/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	E,T,C	Sn-126 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.0377	pCi/g	1.00	0.0	09/25/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	15262-20-1	Radium-228	SOIL	LA-508-462		0.692	pCi/g	1.00	0.041	09/25/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	E,T,C	Ra-228 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.113	pCi/g	1.00	0.0	09/25/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	13982-63-3	Radium-226	SOIL	LA-508-462		0.537	pCi/g	1.00	0.023	09/25/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	E,T,C	Ra-226 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.0902	pCi/g	1.00	0.0	09/25/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	13982-39-3	Zinc-65	SOIL	LA-508-462	U	0.0452	pCi/g	1.00	0.032	09/25/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	E,T,C	Zn-65 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.0345	pCi/g	1.00	0.0	09/25/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	14681-63-1	Niobium-94	SOIL	LA-508-462	U	8.47e-03	pCi/g	1.00	0.012	09/25/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	E,T,C	Nb-94 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 7.00e-03	pCi/g	1.00	0.0	09/25/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	13968-53-1	Ruthenium-103	SOIL	LA-508-462	U	-8.83e-04	pCi/g	1.00	0.012	09/25/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	E,T,C	Ru-103 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 7.43e-03	pCi/g	1.00	0.0	09/25/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	13967-48-1	Ruthenium-106	SOIL	LA-508-462	U	0.0305	pCi/g	1.00	0.11	09/25/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	E,T,C	Ru-106 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.0628	pCi/g	1.00	0.0	09/25/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	13966-06-8	Tin-113	SOIL	LA-508-462	U	-2.44e-03	pCi/g	1.00	0.015	09/25/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	E,T,C	Sn-113 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 9.03e-03	pCi/g	1.00	0.0	09/25/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	14762-78-8	Cerium-144	SOIL	LA-508-462	U	0.0207	pCi/g	1.00	0.091	09/25/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	E,T,C	Ce-144 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.0573	pCi/g	1.00	0.0	09/25/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	14913-50-9	Thallium-208	SOIL	LA-508-462		0.232	pCi/g	1.00	0.012	09/25/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	E,T,C	Tl-208 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.0394	pCi/g	1.00	0.0	09/25/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	14913-49-6	Bismuth-212	SOIL	LA-508-462		0.436	pCi/g	1.00	0.093	09/25/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	E,T,C	Bi-212 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.116	pCi/g	1.00	0.0	09/25/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	15092-94-1	Lead-212	SOIL	LA-508-462		0.751	pCi/g	1.00	0.023	09/25/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	E,T,C	Pb-212 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.101	pCi/g	1.00	0.0	09/25/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	14733-03-0	Bismuth-214	SOIL	LA-508-462		0.537	pCi/g	1.00	0.023	09/25/03	09/04/03	09/04/03

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

DF=Dilution Factor

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

WSCF
ANALYTICAL RESULTS REPORT

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

Group #: WSCF20031225

Sample #	Client ID		CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W030000799	B17HY2	TRENT	E,T,C	Bi-214 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.0902	pCi/g	1.00	0.0	09/25/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	15067-28-4	Lead-214	SOIL	LA-508-462		0.577	pCi/g	1.00	0.025	09/25/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	E,T,C	Pb-214 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.0814	pCi/g	1.00	0.0	09/25/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	14331-83-0	Actinium-228	SOIL	LA-508-462		0.692	pCi/g	1.00	0.041	09/25/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	E,T,C	Ac-228 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.113	pCi/g	1.00	0.0	09/25/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	15065-10-8	Thorium-234	SOIL	LA-508-462		0.792	pCi/g	1.00	0.73	09/25/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	E,T,C	Th-234 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.249	pCi/g	1.00	0.0	09/25/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	15117-96-1	Uranium-235	SOIL	LA-508-462		0.101	pCi/g	1.00	0.095	09/25/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	E,T,C	U-235 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.0244	pCi/g	1.00	0.0	09/25/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	14596-10-2	Americium-241	SOIL	LA-508-462	U	-1.99e-03	pCi/g	1.00	0.087	09/25/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	E,T,C	Am-241 Rel Count Error (GEA)	SOIL	LA-508-462		+- 0.0199	pCi/g	1.00	0.0	09/25/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	7440-69-9	Bismuth	SOIL	LA-505-411	U	< 4.95	mg/kg	49.52	5.0	09/23/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	7440-42-8	Boron	SOIL	LA-505-411	U	< 5.05	mg/kg	49.52	5.0	09/23/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	7440-36-0	Antimony	SOIL	LA-505-412	U	< 4.99	mg/kg	9.98	5.0	09/08/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	7440-38-2	Arsenic	SOIL	LA-505-412		4.46	mg/kg	9.98	3.0	09/08/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	7440-39-3	Barium	SOIL	LA-505-412		53.6	mg/kg	9.98	2.0	09/08/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	7440-41-7	Beryllium	SOIL	LA-505-412	U	< 2.99	mg/kg	9.98	3.0	09/08/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	7440-43-9	Cadmium	SOIL	LA-505-412	U	< 0.998	mg/kg	9.98	1.0	09/08/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	7440-47-3	Chromium	SOIL	LA-505-412		7.58	mg/kg	9.98	3.0	09/08/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	7440-50-8	Copper	SOIL	LA-505-412		11.0	mg/kg	9.98	5.0	09/08/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	7439-92-1	Lead	SOIL	LA-505-412	U	< 12.0	mg/kg	9.98	12	09/08/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	7440-02-0	Nickel	SOIL	LA-505-412		9.80	mg/kg	9.98	5.0	09/08/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	7782-49-2	Selenium	SOIL	LA-505-412	U	< 2.99	mg/kg	9.98	3.0	09/08/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	7440-22-4	Silver	SOIL	LA-505-412	U	< 2.00	mg/kg	9.98	2.0	09/08/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	7440-61-1	Uranium	SOIL	LA-505-412		1.04	mg/kg	9.98	1.0	09/08/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	7439-97-6	Mercury	SOIL	LA-505-412	U	< 0.998	mg/kg	9.98	1.0	09/08/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	TPHGASOLINE	Total Pet. Hydrocarbons Gas	SOIL	NWTPH	U	< 250	ug/kg	1.00	2.5e+02	09/17/03	09/04/03	09/04/03

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Report WGPP/ver. 1
Ground Water Protection Program

WSCF
ANALYTICAL RESULTS REPORT

2-5

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

Group #: WSCF20031225

Sample #	Client ID		CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W030000799	B17HY2	TRENT	12674-11-2	Aroclor-1016	SOIL	LA-523-427	U	< 52.0	ug/kg	1.00	52	09/17/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	11104-28-2	Aroclor-1221	SOIL	LA-523-427	U	< 100	ug/kg	1.00	1.0e+02	09/17/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	11141-16-5	Aroclor-1232	SOIL	LA-523-427	U	< 52.0	ug/kg	1.00	52	09/17/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	53469-21-9	Aroclor-1242	SOIL	LA-523-427	U	< 52.0	ug/kg	1.00	52	09/17/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	12672-29-6	Aroclor-1248	SOIL	LA-523-427	U	< 52.0	ug/kg	1.00	52	09/17/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	11097-69-1	Aroclor-1254	SOIL	LA-523-427	U	< 52.0	ug/kg	1.00	52	09/17/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	11096-82-5	Aroclor-1260	SOIL	LA-523-427	U	< 52.0	ug/kg	1.00	52	09/17/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	37324-23-5	Aroclor-1262	SOIL	LA-523-427	U	< 52.0	ug/kg	1.00	52	09/17/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	11100-14-4	Aroclor-1268	SOIL	LA-523-427	U	< 52.0	ug/kg	1.00	52	09/17/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	13981-16-3	Plutonium-238	SOIL	LA-508-471	U	2.60e-03	pCi/g	1.00	0.067	09/22/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	E,T,C	Pu-238 by AEA Total Cntg Error	SOIL	LA-508-471		+- 0.0260	pCi/g	1.00	0.0	09/22/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	PU-239/240	Pu-239/240 by AEA	SOIL	LA-508-471	U	2.60e-03	pCi/g	1.00	0.019	09/22/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	E,T,C	Pu-239/240 AEA Total Cntg Err	SOIL	LA-508-471		+- 9.10e-03	pCi/g	1.00	0.0	09/22/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	100-02-7	4-Nitrophenol	SOIL	LA-523-456	U	< 680	ug/kg	1.00	6.8e+02	09/16/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	106-46-7	1,4-Dichlorobenzene	SOIL	LA-523-456	U	< 330	ug/kg	1.00	3.3e+02	09/16/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	108-95-2	Phenol	SOIL	LA-523-456	U	< 100	ug/kg	1.00	1.0e+02	09/16/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	120-82-1	1,2,4-Trichlorobenzene	SOIL	LA-523-456	U	< 310	ug/kg	1.00	3.1e+02	09/16/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	121-14-2	2,4-Dinitrotoluene	SOIL	LA-523-456	U	< 70.0	ug/kg	1.00	70	09/16/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	129-00-0	Pyrene	SOIL	LA-523-456	U	< 70.0	ug/kg	1.00	70	09/16/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	59-50-7	4-Chloro-3-methylphenol	SOIL	LA-523-456	U	< 70.0	ug/kg	1.00	70	09/16/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	621-64-7	N-Nitrosodi-n-dipropylamine	SOIL	LA-523-456	U	< 70.0	ug/kg	1.00	70	09/16/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	83-32-9	Acenaphthene	SOIL	LA-523-456	U	< 70.0	ug/kg	1.00	70	09/16/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	87-86-5	Pentachlorophenol	SOIL	LA-523-456	U	< 310	ug/kg	1.00	3.1e+02	09/16/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	95-57-8	2-Chlorophenol	SOIL	LA-523-456	U	< 150	ug/kg	1.00	1.5e+02	09/16/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	100-01-6	4-Nitroaniline	SOIL	LA-523-456	U	< 260	ug/kg	1.00	2.6e+02	09/16/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	101-55-3	4-Bromophenylphenyl ether	SOIL	LA-523-456	U	< 70.0	ug/kg	1.00	70	09/16/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	105-67-9	2,4-Dimethylphenol	SOIL	LA-523-456	U	< 70.0	ug/kg	1.00	70	09/16/03	09/04/03	09/04/03

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WSCF
ANALYTICAL RESULTS REPORT

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

Group #: WSCF20031225

Sample #	Client ID		CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W030000799	B17HY2	TRENT	106-47-8	4-Chloroaniline	SOIL	LA-523-456	U	< 98.0	ug/kg	1.00	98	09/16/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	108-60-1	Bis(2-chloro-1-methylethyl)eth	SOIL	LA-523-456	U	< 270	ug/kg	1.00	2.7e+02	09/16/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	111-44-4	Bis(2-chloroethyl) ether	SOIL	LA-523-456	U	< 260	ug/kg	1.00	2.6e+02	09/16/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	111-91-1	Bis(2-Chloroethoxy)methane	SOIL	LA-523-456	U	< 120	ug/kg	1.00	1.2e+02	09/16/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	117-81-7	Bis(2-ethylhexyl) phthalate	SOIL	LA-523-456	U	< 590	ug/kg	1.00	5.9e+02	09/16/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	117-84-0	Di-n-octylphthalate	SOIL	LA-523-456	U	< 70.0	ug/kg	1.00	70	09/16/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	118-74-1	Hexachlorobenzene	SOIL	LA-523-456	U	< 70.0	ug/kg	1.00	70	09/16/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	120-12-7	Anthracene	SOIL	LA-523-456	U	< 70.0	ug/kg	1.00	70	09/16/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	120-83-2	2,4-Dichlorophenol	SOIL	LA-523-456	U	< 84.0	ug/kg	1.00	84	09/16/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	131-11-3	Dimethyl phthalate	SOIL	LA-523-456	U	< 70.0	ug/kg	1.00	70	09/16/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	132-64-9	Dibenzofuran	SOIL	LA-523-456	U	< 70.0	ug/kg	1.00	70	09/16/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	191-24-2	Benzo(ghi)perylene	SOIL	LA-523-456	U	< 70.0	ug/kg	1.00	70	09/16/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	193-39-5	Indeno(1,2,3-cd)pyrene	SOIL	LA-523-456	U	< 70.0	ug/kg	1.00	70	09/16/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	205-99-2	Benzo(b)fluoranthene	SOIL	LA-523-456	U	< 70.0	ug/kg	1.00	70	09/16/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	206-44-0	Fluoranthene	SOIL	LA-523-456	U	< 70.0	ug/kg	1.00	70	09/16/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	207-08-9	Benzo(k)fluoranthene	SOIL	LA-523-456	U	< 70.0	ug/kg	1.00	70	09/16/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	208-96-8	Acenaphthylene	SOIL	LA-523-456	U	< 84.0	ug/kg	1.00	84	09/16/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	218-01-9	Chrysene	SOIL	LA-523-456	U	< 70.0	ug/kg	1.00	70	09/16/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	50-32-8	Benzo(a)pyrene	SOIL	LA-523-456	U	< 70.0	ug/kg	1.00	70	09/16/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	51-28-5	2,4-Dinitrophenol	SOIL	LA-523-456	U	< 700	ug/kg	1.00	7.0e+02	09/16/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	53-70-3	Dibenz[a,h]anthracene	SOIL	LA-523-456	U	< 70.0	ug/kg	1.00	70	09/16/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	534-52-1	4,6-Dinitro-2-methylphenol	SOIL	LA-523-456	U	< 700	ug/kg	1.00	7.0e+02	09/16/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	541-73-1	1,3-Dichlorobenzene	SOIL	LA-523-456	U	< 330	ug/kg	1.00	3.3e+02	09/16/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	56-55-3	Benzo(a)anthracene	SOIL	LA-523-456	U	< 70.0	ug/kg	1.00	70	09/16/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	606-20-2	2,6-Dinitrotoluene	SOIL	LA-523-456	U	< 70.0	ug/kg	1.00	70	09/16/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	7005-72-3	4-Chlorophenylphenyl ether	SOIL	LA-523-456	U	< 70.0	ug/kg	1.00	70	09/16/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	77-47-4	Hexachlorocyclopentadiene	SOIL	LA-523-456	U	< 330	ug/kg	1.00	3.3e+02	09/16/03	09/04/03	09/04/03

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Report WGPP/ver. 1
Ground Water Protection Program

WSCF
ANALYTICAL RESULTS REPORT

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

Group #: WSCF20031225

Sample #	Client ID		CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W030000799	B17HY2	TRENT	78-59-1	Isophorone	SOIL	LA-523-456	U	< 70.0	ug/kg	1.00	70	09/16/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	84-66-2	Diethylphthalate	SOIL	LA-523-456	U	< 200	ug/kg	1.00	2.0e+02	09/16/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	84-74-2	Di-n-butylphthalate	SOIL	LA-523-456	U	< 91.0	ug/kg	1.00	91	09/16/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	85-01-8	Phenanthrene	SOIL	LA-523-456	U	< 70.0	ug/kg	1.00	70	09/16/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	85-68-7	Butylbenzylphthalate	SOIL	LA-523-456	U	< 70.0	ug/kg	1.00	70	09/16/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	86-30-6	N-Nitrosodiphenylamine	SOIL	LA-523-456	U	< 70.0	ug/kg	1.00	70	09/16/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	86-73-7	Fluorene	SOIL	LA-523-456	U	< 70.0	ug/kg	1.00	70	09/16/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	86-74-8	Carbazole	SOIL	LA-523-456	U	< 84.0	ug/kg	1.00	84	09/16/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	87-68-3	Hexachlorobutadiene	SOIL	LA-523-456	U	< 380	ug/kg	1.00	3.8e+02	09/16/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	88-74-4	2-Nitroaniline	SOIL	LA-523-456	U	< 70.0	ug/kg	1.00	70	09/16/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	88-75-5	2-Nitrophenol	SOIL	LA-523-456	U	< 180	ug/kg	1.00	1.8e+02	09/16/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	91-20-3	Naphthalene	SOIL	LA-523-456	U	< 300	ug/kg	1.00	3.0e+02	09/16/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	91-57-6	2-Methylnaphthalene	SOIL	LA-523-456	U	< 190	ug/kg	1.00	1.9e+02	09/16/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	91-58-7	2-Chloronaphthalene	SOIL	LA-523-456	U	< 70.0	ug/kg	1.00	70	09/16/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	91-94-1	3,3'-Dichlorobenzidine	SOIL	LA-523-456	U	< 84.0	ug/kg	1.00	84	09/16/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	95-48-7	2-Methylphenol (cresol, o-)	SOIL	LA-523-456	U	< 70.0	ug/kg	1.00	70	09/16/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	95-50-1	1,2-Dichlorobenzene	SOIL	LA-523-456	U	< 380	ug/kg	1.00	3.8e+02	09/16/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	95-95-4	2,4,5-Trichlorophenol	SOIL	LA-523-456	U	< 77.0	ug/kg	1.00	77	09/16/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	98-95-3	Nitrobenzene	SOIL	LA-523-456	U	< 270	ug/kg	1.00	2.7e+02	09/16/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	99-09-2	3-Nitroaniline	SOIL	LA-523-456	U	< 70.0	ug/kg	1.00	70	09/16/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	65794-96-9	3 & 4 Methylphenol Total	SOIL	LA-523-456	U	< 120	ug/kg	1.00	1.2e+02	09/16/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	67-72-1	Hexachloroethane	SOIL	LA-523-456	U	< 490	ug/kg	1.00	4.9e+02	09/16/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	88-06-2	2,4,6-Trichlorophenol	SOIL	LA-523-456	U	< 70.0	ug/kg	1.00	70	09/16/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	100-51-6	Benzyl alcohol	SOIL	LA-523-456	U	< 77.0	ug/kg	1.00	77	09/16/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	111-76-2	2-Butoxyethanol	SOIL	LA-523-456	U	< 100	ug/kg	1.00	1.0e+02	09/16/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	126-73-8	Tributyl phosphate	SOIL	LA-523-456	U	< 70.0	ug/kg	1.00	70	09/16/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	U-233/234	Uranium-233/234	SOIL	LA-508-471		0.170	pCi/g	1.00	4.5e-03	09/22/03	09/04/03	09/04/03

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WSCF
ANALYTICAL RESULTS REPORT

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

Group #: WSCF20031225

Sample #	Client ID		CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W030000799	B17HY2	TRENT	E,T,C	U-233/234 AEA Total Cntg Error	SOIL	LA-508-471		+- 0.0544	pCi/g	1.00	0.0	09/22/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	15117-96-1	Uranium-235	SOIL	LA-508-471		0.0140	pCi/g	1.00	4.9e-03	09/22/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	E,T,C	U-235 by AEA Total Cntg Error	SOIL	LA-508-471		+- 0.0105	pCi/g	1.00	0.0	09/22/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	U-238	Uranium-238	SOIL	LA-508-471		0.200	pCi/g	1.00	4.5e-03	09/22/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	E,T,C	U-238 by AEA Total Cntg Error	SOIL	LA-508-471		+- 0.0620	pCi/g	1.00	0.10	09/22/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	75-35-4	1,1-Dichloroethene	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	09/16/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	79-01-6	Trichloroethene	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	09/16/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	71-43-2	Benzene	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	09/16/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	108-88-3	Toluene	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	09/16/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	108-90-7	Chlorobenzene	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	09/16/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	75-34-3	1,1-Dichloroethane	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	09/16/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	100-41-4	Ethylbenzene	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	09/16/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	100-42-5	Styrene	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	09/16/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	10061-01-5	cis-1,3-Dichloropropene	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	09/16/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	10061-02-6	trans-1,3-Dichloropropene	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	09/16/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	107-06-2	1,2-Dichloroethane	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	09/16/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	108-10-1	4-Methyl-2-Pentanone	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	09/16/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	124-48-1	Dibromochloromethane	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	09/16/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	127-18-4	Tetrachloroethene	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	09/16/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	1330-20-7	Xylenes (total)	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	09/16/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	540-59-0	1,2-Dichloroethene(Total)	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	09/16/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	56-23-5	Carbon tetrachloride	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	09/16/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	591-78-6	2-Hexanone	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	09/16/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	67-64-1	Acetone	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	09/16/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	67-66-3	Chloroform	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	09/16/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	71-55-6	1,1,1-Trichloroethane	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	09/16/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	74-83-9	Bromomethane	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	09/16/03	09/04/03	09/04/03

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RQ=Result Qualifier

DF=Dilution Factor

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

WSCF
ANALYTICAL RESULTS REPORT

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

Group #: WSCF20031225

Sample #	Client ID		CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W030000799	B17HY2	TRENT	74-87-3	Chloromethane	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	09/16/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	75-00-3	Chloroethane	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	09/16/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	75-01-4	Vinyl chloride	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	09/16/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	75-09-2	Methylenechloride	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	09/16/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	75-15-0	Carbon disulfide	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	09/16/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	75-25-2	Bromoform	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	09/16/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	75-27-4	Bromodichloromethane	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	09/16/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	78-87-5	1,2-Dichloropropane	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	09/16/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	78-93-3	2-Butanone	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	09/16/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	79-00-5	1,1,2-Trichloroethane	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	09/16/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	79-34-5	1,1,2,2-Tetrachloroethane	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	09/16/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	71-36-3	1-Butanol	SOIL	LA-523-455	U	< 42.0	ug/kg	1.00	42	09/16/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	107-87-9	2-Pentanone	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	09/16/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	104-51-8	n-Butylbenzene	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	09/16/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	TPHDIESEL	Total Pet. Hydrocarbons Diesel	SOIL	NWTPH	U	< 3.90e+03	ug/kg	1.00	3.9e+03	09/22/03	09/04/03	09/04/03
W030000799	B17HY2	TRENT	TPHKEROSENE	Kerosene	SOIL	NWTPH	U	< 3.90e+03	ug/kg	1.00	3.9e+03	09/22/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	57-12-5	Cyanide	SOIL	LA-695-402	U	< 0.200	mg/kg	1.00	0.20	09/17/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	NH4-N	Nitrogen in ammonium	SOIL	LA-503-401	U	< 0.200	mg/kg	50.00	0.20	09/24/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	TS	Total solids	SOIL	LA-519-412		94.4	%	1.00	0.0	09/18/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	PH	pH Measurement	SOIL	LA-212-411		8.54	pH	1.00	0.010	09/30/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	60-29-7	Diethyl ether	SOIL	Organics	U	< 5.00e+03	ug/kg	1.00	5.0e+03	09/16/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	67-56-1	Methanol	SOIL	Organics	U	< 1.00e+03	ug/kg	1.00	1.0e+03	09/16/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	107-21-1	Ethylene glycol	SOIL	Organics	U	< 5.00e+03	ug/kg	1.00	5.0e+03	09/16/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	14596-10-2	Americium-241	SOIL	LA-508-471	U	0.0140	pCi/g	1.00	0.053	09/22/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	E,T,C	Am-241 by AEA Total Cntg Error	SOIL	LA-508-471		+- 0.0308	pCi/g	1.00	0.0	09/22/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	16984-48-8	Fluoride	SOIL	LA-533-410	U	< 0.350	mg/kg	50.00	0.35	09/15/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	16887-00-6	Chloride	SOIL	LA-533-410		6.94	mg/kg	50.00	0.70	09/15/03	09/04/03	09/04/03

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RQ=Result Qualifier

DF=Dilution Factor

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WSCF
ANALYTICAL RESULTS REPORT

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

Group #: WSCF20031225

Sample #	Client ID		CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W030000800	B17HY8	TRENT	NO2-N	Nitrogen in Nitrite	SOIL	LA-533-410	U	< 0.450	mg/kg	50.00	0.45	09/15/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	NO3-N	Nitrogen in Nitrate	SOIL	LA-533-410		11.9	mg/kg	50.00	0.25	09/15/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	14265-44-2	Phosphate	SOIL	LA-533-410	U	< 0.650	mg/kg	50.00	0.65	09/15/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	14808-79-8	Sulfate	SOIL	LA-533-410		15.3	mg/kg	50.00	1.2	09/15/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	10198-40-0	Cobalt-60	SOIL	LA-508-462	U	3.30e-03	pCi/g	1.00	0.016	09/25/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	E,T,C	Co-60 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 9.47e-03	pCi/g	1.00	0.0	09/25/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	14234-35-6	Antimony-125	SOIL	LA-508-462	U	0.0107	pCi/g	1.00	0.045	09/25/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	E,T,C	Sb-125 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.0261	pCi/g	1.00	0.0	09/25/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	13967-70-9	Cesium-134	SOIL	LA-508-462	U	0.0718	pCi/g	1.00	0.023	09/25/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	E,T,C	Cs-134 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.0215	pCi/g	1.00	0.0	09/25/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	10045-97-3	Cesium-137	SOIL	LA-508-462	U	0.0169	pCi/g	1.00	0.018	09/25/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	E,T,C	Cs-137 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.0125	pCi/g	1.00	0.0	09/25/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	14683-23-9	Europium-152	SOIL	LA-508-462	U	-9.42e-04	pCi/g	1.00	0.048	09/25/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	E,T,C	Eu-152 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 9.42e-03	pCi/g	1.00	0.0	09/25/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	15585-10-1	Europium-154	SOIL	LA-508-462	U	-8.54e-03	pCi/g	1.00	0.051	09/25/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	E,T,C	Eu-154 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.0364	pCi/g	1.00	0.0	09/25/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	14391-16-3	Europium-155	SOIL	LA-508-462	U	0.0482	pCi/g	1.00	0.072	09/25/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	E,T,C	Eu-155 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.0442	pCi/g	1.00	0.0	09/25/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	15832-50-5	Tin-126	SOIL	LA-508-462	U	0.283	pCi/g	1.00	0.30	09/25/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	E,T,C	Sn-126 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.0651	pCi/g	1.00	0.0	09/25/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	15262-20-1	Radium-228	SOIL	LA-508-462		1.10	pCi/g	1.00	0.056	09/25/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	E,T,C	Ra-228 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.189	pCi/g	1.00	0.0	09/25/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	13982-63-3	Radium-226	SOIL	LA-508-462		0.859	pCi/g	1.00	0.029	09/25/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	E,T,C	Ra-226 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.153	pCi/g	1.00	0.0	09/25/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	13982-39-3	Zinc-65	SOIL	LA-508-462	U	0.0118	pCi/g	1.00	0.038	09/25/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	E,T,C	Zn-65 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.0260	pCi/g	1.00	0.0	09/25/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	14681-63-1	Niobium-94	SOIL	LA-508-462	U	4.35e-03	pCi/g	1.00	0.016	09/25/03	09/04/03	09/04/03

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WSCF
ANALYTICAL RESULTS REPORT

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

Group #: WSCF20031225

Sample #	Client ID		CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W030000800	B17HY8	TRENT	E,T,C	Nb-94 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 9.31e-03	pCi/g	1.00	0.0	09/25/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	13968-53-1	Ruthenium-103	SOIL	LA-508-462	U	1.10e-03	pCi/g	1.00	0.017	09/25/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	E,T,C	Ru-103 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.0100	pCi/g	1.00	0.0	09/25/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	13967-48-1	Ruthenium-106	SOIL	LA-508-462	U	0.0271	pCi/g	1.00	0.14	09/25/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	E,T,C	Ru-106 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.0856	pCi/g	1.00	0.0	09/25/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	13966-06-8	Tin-113	SOIL	LA-508-462	U	6.73e-03	pCi/g	1.00	0.021	09/25/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	E,T,C	Sn-113 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.0124	pCi/g	1.00	0.0	09/25/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	14762-78-8	Cerium-144	SOIL	LA-508-462	U	-0.0143	pCi/g	1.00	0.14	09/25/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	E,T,C	Ce-144 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.0941	pCi/g	1.00	0.0	09/25/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	14913-50-9	Thallium-208	SOIL	LA-508-462		0.358	pCi/g	1.00	0.016	09/25/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	E,T,C	Tl-208 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.0630	pCi/g	1.00	0.0	09/25/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	14913-49-6	Bismuth-212	SOIL	LA-508-462		0.698	pCi/g	1.00	0.12	09/25/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	E,T,C	Bi-212 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.193	pCi/g	1.00	0.0	09/25/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	15092-94-1	Lead-212	SOIL	LA-508-462		1.18	pCi/g	1.00	0.034	09/25/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	E,T,C	Pb-212 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.159	pCi/g	1.00	0.0	09/25/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	14733-03-0	Bismuth-214	SOIL	LA-508-462		0.859	pCi/g	1.00	0.029	09/25/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	E,T,C	Bi-214 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.153	pCi/g	1.00	0.0	09/25/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	15067-28-4	Lead-214	SOIL	LA-508-462		0.971	pCi/g	1.00	0.034	09/25/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	E,T,C	Pb-214 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.137	pCi/g	1.00	0.0	09/25/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	14331-83-0	Actinium-228	SOIL	LA-508-462		1.10	pCi/g	1.00	0.056	09/25/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	E,T,C	Ac-228 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.189	pCi/g	1.00	0.0	09/25/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	15065-10-8	Thorium-234	SOIL	LA-508-462		1.54	pCi/g	1.00	1.1	09/25/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	E,T,C	Th-234 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.374	pCi/g	1.00	0.0	09/25/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	15117-96-1	Uranium-235	SOIL	LA-508-462	U	0.118	pCi/g	1.00	0.14	09/25/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	E,T,C	U-235 Rel. Count Error (GEA)	SOIL	LA-508-462		+- 0.0326	pCi/g	1.00	0.0	09/25/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	14596-10-2	Americium-241	SOIL	LA-508-462	U	0.0221	pCi/g	1.00	0.13	09/25/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	E,T,C	Am-241 Rel Count Error (GEA)	SOIL	LA-508-462		+- 0.0796	pCi/g	1.00	0.0	09/25/03	09/04/03	09/04/03

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WSCF
ANALYTICAL RESULTS REPORT

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

Group #: WSCF20031225

Sample #	Client ID	CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W030000800	B17HY8 TRENT	7440-69-9	Bismuth	SOIL	LA-505-411	U	< 4.98	mg/kg	49.82	5.0	09/23/03	09/04/03	09/04/03
W030000800	B17HY8 TRENT	7440-42-8	Boron	SOIL	LA-505-411	U	< 5.08	mg/kg	49.82	5.1	09/23/03	09/04/03	09/04/03
W030000800	B17HY8 TRENT	7440-36-0	Antimony	SOIL	LA-505-412	U	< 4.98	mg/kg	9.96	5.0	09/08/03	09/04/03	09/04/03
W030000800	B17HY8 TRENT	7440-38-2	Arsenic	SOIL	LA-505-412		9.98	mg/kg	9.96	3.0	09/08/03	09/04/03	09/04/03
W030000800	B17HY8 TRENT	7440-39-3	Barium	SOIL	LA-505-412		65.5	mg/kg	9.96	2.0	09/08/03	09/04/03	09/04/03
W030000800	B17HY8 TRENT	7440-41-7	Beryllium	SOIL	LA-505-412	U	< 2.99	mg/kg	9.96	3.0	09/08/03	09/04/03	09/04/03
W030000800	B17HY8 TRENT	7440-43-9	Cadmium	SOIL	LA-505-412	U	< 0.996	mg/kg	9.96	1.0	09/08/03	09/04/03	09/04/03
W030000800	B17HY8 TRENT	7440-47-3	Chromium	SOIL	LA-505-412		7.20	mg/kg	9.96	3.0	09/08/03	09/04/03	09/04/03
W030000800	B17HY8 TRENT	7440-50-8	Copper	SOIL	LA-505-412		10.7	mg/kg	9.96	5.0	09/08/03	09/04/03	09/04/03
W030000800	B17HY8 TRENT	7439-92-1	Lead	SOIL	LA-505-412	U	< 12.0	mg/kg	9.96	12	09/08/03	09/04/03	09/04/03
W030000800	B17HY8 TRENT	7440-02-0	Nickel	SOIL	LA-505-412		9.01	mg/kg	9.96	5.0	09/08/03	09/04/03	09/04/03
W030000800	B17HY8 TRENT	7782-49-2	Selenium	SOIL	LA-505-412	U	< 2.99	mg/kg	9.96	3.0	09/08/03	09/04/03	09/04/03
W030000800	B17HY8 TRENT	7440-22-4	Silver	SOIL	LA-505-412		5.01	mg/kg	9.96	2.0	09/08/03	09/04/03	09/04/03
W030000800	B17HY8 TRENT	7440-61-1	Uranium	SOIL	LA-505-412		1.02	mg/kg	9.96	1.0	09/08/03	09/04/03	09/04/03
W030000800	B17HY8 TRENT	7439-97-6	Mercury	SOIL	LA-505-412	U	< 0.996	mg/kg	9.96	1.0	09/08/03	09/04/03	09/04/03
W030000800	B17HY8 TRENT	TPHGASOLINE	Total Pet. Hydrocarbons Gas	SOIL	NWTPH	U	< 250	ug/kg	1.00	2.5e+02	09/17/03	09/04/03	09/04/03
W030000800	B17HY8 TRENT	12674-11-2	Aroclor-1016	SOIL	LA-523-427	U	< 52.0	ug/kg	1.00	52	09/17/03	09/04/03	09/04/03
W030000800	B17HY8 TRENT	11104-28-2	Aroclor-1221	SOIL	LA-523-427	U	< 100	ug/kg	1.00	1.0e+02	09/17/03	09/04/03	09/04/03
W030000800	B17HY8 TRENT	11141-16-5	Aroclor-1232	SOIL	LA-523-427	U	< 52.0	ug/kg	1.00	52	09/17/03	09/04/03	09/04/03
W030000800	B17HY8 TRENT	53469-21-9	Aroclor-1242	SOIL	LA-523-427	U	< 52.0	ug/kg	1.00	52	09/17/03	09/04/03	09/04/03
W030000800	B17HY8 TRENT	12672-29-6	Aroclor-1248	SOIL	LA-523-427	U	< 52.0	ug/kg	1.00	52	09/17/03	09/04/03	09/04/03
W030000800	B17HY8 TRENT	11097-69-1	Aroclor-1254	SOIL	LA-523-427	U	< 52.0	ug/kg	1.00	52	09/17/03	09/04/03	09/04/03
W030000800	B17HY8 TRENT	11096-82-5	Aroclor-1260	SOIL	LA-523-427	U	< 52.0	ug/kg	1.00	52	09/17/03	09/04/03	09/04/03
W030000800	B17HY8 TRENT	37324-23-5	Aroclor-1262	SOIL	LA-523-427	U	< 52.0	ug/kg	1.00	52	09/17/03	09/04/03	09/04/03
W030000800	B17HY8 TRENT	11100-14-4	Aroclor-1268	SOIL	LA-523-427	U	52.0	ug/kg	1.00	52	09/17/03	09/04/03	09/04/03
W030000800	B17HY8 TRENT	13981-16-3	Plutonium-238	SOIL	LA-508-471	U	-8.00e-03	pCi/g	1.00	0.049	09/22/03	09/04/03	09/04/03
W030000800	B17HY8 TRENT	E,T,C	Pu-238 by AEA Total Cntg Error	SOIL	LA-508-471		+- 0.0256	pCi/g	1.00	0.0	09/22/03	09/04/03	09/04/03

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Report WGPP/ver. 1
Ground Water Protection Program

WSCF
ANALYTICAL RESULTS REPORT

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

Group #: WSCF20031225

Sample #	Client ID		CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W030000800	B17HY8	TRENT	PU-239/240	Pu-239/240 by AEA	SOIL	LA-508-471	U	6.00e-03	pCi/g	1.00	0.015	09/22/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	E,T,C	Pu-239/240 AEA Total Cntg Err	SOIL	LA-508-471		+- 9.00e-03	pCi/g	1.00	0.0	09/22/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	100-02-7	4-Nitrophenol	SOIL	LA-523-456	U	< 680	ug/kg	1.00	6.8e+02	09/19/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	106-46-7	1,4-Dichlorobenzene	SOIL	LA-523-456	U	< 330	ug/kg	1.00	3.3e+02	09/19/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	108-95-2	Phenol	SOIL	LA-523-456	U	< 110	ug/kg	1.00	1.1e+02	09/19/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	120-82-1	1,2,4-Trichlorobenzene	SOIL	LA-523-456	U	< 310	ug/kg	1.00	3.1e+02	09/19/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	121-14-2	2,4-Dinitrotoluene	SOIL	LA-523-456	U	< 71.0	ug/kg	1.00	71	09/19/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	129-00-0	Pyrene	SOIL	LA-523-456	U	< 71.0	ug/kg	1.00	71	09/19/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	59-50-7	4-Chloro-3-methylphenol	SOIL	LA-523-456	U	< 71.0	ug/kg	1.00	71	09/19/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	621-64-7	N-Nitrosodi-n-dipropylamine	SOIL	LA-523-456	U	< 71.0	ug/kg	1.00	71	09/19/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	83-32-9	Acenaphthene	SOIL	LA-523-456	U	< 71.0	ug/kg	1.00	71	09/19/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	87-86-5	Pentachlorophenol	SOIL	LA-523-456	U	< 320	ug/kg	1.00	3.2e+02	09/19/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	95-57-8	2-Chlorophenol	SOIL	LA-523-456	U	< 160	ug/kg	1.00	1.6e+02	09/19/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	100-01-6	4-Nitroaniline	SOIL	LA-523-456	U	< 260	ug/kg	1.00	2.6e+02	09/19/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	101-55-3	4-Bromophenylphenyl ether	SOIL	LA-523-456	U	< 71.0	ug/kg	1.00	71	09/19/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	105-67-9	2,4-Dimethylphenol	SOIL	LA-523-456	U	< 71.0	ug/kg	1.00	71	09/19/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	106-47-8	4-Chloroaniline	SOIL	LA-523-456	U	< 99.0	ug/kg	1.00	99	09/19/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	108-60-1	Bis(2-chloro-1-methylethyl)eth	SOIL	LA-523-456	U	< 270	ug/kg	1.00	2.7e+02	09/19/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	111-44-4	Bis(2-chloroethyl) ether	SOIL	LA-523-456	U	< 260	ug/kg	1.00	2.6e+02	09/19/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	111-91-1	Bis(2-Chloroethoxy)methane	SOIL	LA-523-456	U	< 120	ug/kg	1.00	1.2e+02	09/19/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	117-81-7	Bis(2-ethylhexyl) phthalate	SOIL	LA-523-456	U	< 590	ug/kg	1.00	5.9e+02	09/19/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	117-84-0	Di-n-octylphthalate	SOIL	LA-523-456	U	< 71.0	ug/kg	1.00	71	09/19/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	118-74-1	Hexachlorobenzene	SOIL	LA-523-456	U	< 71.0	ug/kg	1.00	71	09/19/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	120-12-7	Anthracene	SOIL	LA-523-456	U	< 71.0	ug/kg	1.00	71	09/19/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	120-83-2	2,4-Dichlorophenol	SOIL	LA-523-456	U	< 85.0	ug/kg	1.00	85	09/19/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	131-11-3	Dimethyl phthalate	SOIL	LA-523-456	U	< 71.0	ug/kg	1.00	71	09/19/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	132-64-9	Dibenzofuran	SOIL	LA-523-456	U	< 71.0	ug/kg	1.00	71	09/19/03	09/04/03	09/04/03

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WSCF
ANALYTICAL RESULTS REPORT

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

Group #: WSCF20031225

Sample #	Client ID		CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W030000800	B17HY8	TRENT	191-24-2	Benzo(ghi)perylene	SOIL	LA-523-456	U	< 71.0	ug/kg	1.00	71	09/19/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	193-39-5	Indeno(1,2,3-cd)pyrene	SOIL	LA-523-456	U	< 71.0	ug/kg	1.00	71	09/19/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	205-99-2	Benzo(b)fluoranthene	SOIL	LA-523-456	U	< 71.0	ug/kg	1.00	71	09/19/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	206-44-0	Fluoranthene	SOIL	LA-523-456	U	< 71.0	ug/kg	1.00	71	09/19/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	207-08-9	Benzo(k)fluoranthene	SOIL	LA-523-456	U	< 71.0	ug/kg	1.00	71	09/19/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	208-96-8	Acenaphthylene	SOIL	LA-523-456	U	< 85.0	ug/kg	1.00	85	09/19/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	218-01-9	Chrysene	SOIL	LA-523-456	U	< 71.0	ug/kg	1.00	71	09/19/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	50-32-8	Benzo(a)pyrene	SOIL	LA-523-456	U	< 71.0	ug/kg	1.00	71	09/19/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	51-28-5	2,4-Dinitrophenol	SOIL	LA-523-456	U	< 710	ug/kg	1.00	7.1e+02	09/19/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	53-70-3	Dibenz[a,h]anthracene	SOIL	LA-523-456	U	< 71.0	ug/kg	1.00	71	09/19/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	534-52-1	4,6-Dinitro-2-methylphenol	SOIL	LA-523-456	U	< 710	ug/kg	1.00	7.1e+02	09/19/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	541-73-1	1,3-Dichlorobenzene	SOIL	LA-523-456	U	< 340	ug/kg	1.00	3.4e+02	09/19/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	56-55-3	Benzo(a)anthracene	SOIL	LA-523-456	U	< 71.0	ug/kg	1.00	71	09/19/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	606-20-2	2,6-Dinitrotoluene	SOIL	LA-523-456	U	< 71.0	ug/kg	1.00	71	09/19/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	7005-72-3	4-Chlorophenylphenyl ether	SOIL	LA-523-456	U	< 71.0	ug/kg	1.00	71	09/19/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	77-47-4	Hexachlorocyclopentadiene	SOIL	LA-523-456	U	< 330	ug/kg	1.00	3.3e+02	09/19/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	78-59-1	Isophorone	SOIL	LA-523-456	U	< 71.0	ug/kg	1.00	71	09/19/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	84-66-2	Diethylphthalate	SOIL	LA-523-456	U	< 200	ug/kg	1.00	2.0e+02	09/19/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	84-74-2	Di-n-butylphthalate	SOIL	LA-523-456	U	< 92.0	ug/kg	1.00	92	09/19/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	85-01-8	Phenanthrene	SOIL	LA-523-456	U	< 71.0	ug/kg	1.00	71	09/19/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	85-68-7	Butylbenzylphthalate	SOIL	LA-523-456	U	< 71.0	ug/kg	1.00	71	09/19/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	86-30-6	N-Nitrosodiphenylamine	SOIL	LA-523-456	U	< 71.0	ug/kg	1.00	71	09/19/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	86-73-7	Fluorene	SOIL	LA-523-456	U	< 71.0	ug/kg	1.00	71	09/19/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	86-74-8	Carbazole	SOIL	LA-523-456	U	< 85.0	ug/kg	1.00	85	09/19/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	87-68-3	Hexachlorobutadiene	SOIL	LA-523-456	U	< 390	ug/kg	1.00	3.9e+02	09/19/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	88-74-4	2-Nitroaniline	SOIL	LA-523-456	U	< 71.0	ug/kg	1.00	71	09/19/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	88-75-5	2-Nitrophenol	SOIL	LA-523-456	U	< 180	ug/kg	1.00	1.8e+02	09/19/03	09/04/03	09/04/03

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WSCF
ANALYTICAL RESULTS REPORT

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

Group #: WSCF20031225

Sample #	Client ID	CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W030000800	B17HY8 TRENT	91-20-3	Naphthalene	SOIL	LA-523-456	U	< 300	ug/kg	1.00	3.0e+02	09/19/03	09/04/03	09/04/03
W030000800	B17HY8 TRENT	91-57-6	2-Methylnaphthalene	SOIL	LA-523-456	U	< 190	ug/kg	1.00	1.9e+02	09/19/03	09/04/03	09/04/03
W030000800	B17HY8 TRENT	91-58-7	2-Chloronaphthalene	SOIL	LA-523-456	U	< 71.0	ug/kg	1.00	71	09/19/03	09/04/03	09/04/03
W030000800	B17HY8 TRENT	91-94-1	3,3'-Dichlorobenzidine	SOIL	LA-523-456	U	< 85.0	ug/kg	1.00	85	09/19/03	09/04/03	09/04/03
W030000800	B17HY8 TRENT	95-48-7	2-Methylphenol (cresol, o-)	SOIL	LA-523-456	U	< 71.0	ug/kg	1.00	71	09/19/03	09/04/03	09/04/03
W030000800	B17HY8 TRENT	95-50-1	1,2-Dichlorobenzene	SOIL	LA-523-456	U	< 380	ug/kg	1.00	3.8e+02	09/19/03	09/04/03	09/04/03
W030000800	B17HY8 TRENT	95-95-4	2,4,5-Trichlorophenol	SOIL	LA-523-456	U	< 78.0	ug/kg	1.00	78	09/19/03	09/04/03	09/04/03
W030000800	B17HY8 TRENT	98-95-3	Nitrobenzene	SOIL	LA-523-456	U	< 270	ug/kg	1.00	2.7e+02	09/19/03	09/04/03	09/04/03
W030000800	B17HY8 TRENT	99-09-2	3-Nitroaniline	SOIL	LA-523-456	U	< 71.0	ug/kg	1.00	71	09/19/03	09/04/03	09/04/03
W030000800	B17HY8 TRENT	65794-96-9	3 & 4 Methylphenol Total	SOIL	LA-523-456	U	< 120	ug/kg	1.00	1.2e+02	09/19/03	09/04/03	09/04/03
W030000800	B17HY8 TRENT	67-72-1	Hexachloroethane	SOIL	LA-523-456	U	< 490	ug/kg	1.00	4.9e+02	09/19/03	09/04/03	09/04/03
W030000800	B17HY8 TRENT	88-06-2	2,4,6-Trichlorophenol	SOIL	LA-523-456	U	< 71.0	ug/kg	1.00	71	09/19/03	09/04/03	09/04/03
W030000800	B17HY8 TRENT	100-51-6	Benzyl alcohol	SOIL	LA-523-456	U	< 78.0	ug/kg	1.00	78	09/19/03	09/04/03	09/04/03
W030000800	B17HY8 TRENT	111-76-2	2-Butoxyethanol	SOIL	LA-523-456	U	< 110	ug/kg	1.00	1.1e+02	09/19/03	09/04/03	09/04/03
W030000800	B17HY8 TRENT	126-73-8	Tributyl phosphate	SOIL	LA-523-456	U	< 71.0	ug/kg	1.00	71	09/19/03	09/04/03	09/04/03
W030000800	B17HY8 TRENT	U-233/234	Uranium-233/234	SOIL	LA-508-471		0.240	pCi/g	1.00	0.018	09/22/03	09/04/03	09/04/03
W030000800	B17HY8 TRENT	E,T,C	U-233/234 AEA Total Cntg Error	SOIL	LA-508-471		+- 0.0720	pCi/g	1.00	0.0	09/22/03	09/04/03	09/04/03
W030000800	B17HY8 TRENT	15117-96-1	Uranium-235	SOIL	LA-508-471		0.0200	pCi/g	1.00	4.8e-03	09/22/03	09/04/03	09/04/03
W030000800	B17HY8 TRENT	E,T,C	U-235 by AEA Total Cntg Error	SOIL	LA-508-471		+- 0.0130	pCi/g	1.00	0.0	09/22/03	09/04/03	09/04/03
W030000800	B17HY8 TRENT	U-238	Uranium-238	SOIL	LA-508-471		0.270	pCi/g	1.00	0.012	09/22/03	09/04/03	09/04/03
W030000800	B17HY8 TRENT	E,T,C	U-238 by AEA Total Cntg Error	SOIL	LA-508-471		+- 0.0810	pCi/g	1.00	0.10	09/22/03	09/04/03	09/04/03
W030000800	B17HY8 TRENT	75-35-4	1,1-Dichloroethene	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	09/16/03	09/04/03	09/04/03
W030000800	B17HY8 TRENT	79-01-6	Trichloroethene	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	09/16/03	09/04/03	09/04/03
W030000800	B17HY8 TRENT	71-43-2	Benzene	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	09/16/03	09/04/03	09/04/03
W030000800	B17HY8 TRENT	108-88-3	Toluene	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	09/16/03	09/04/03	09/04/03
W030000800	B17HY8 TRENT	108-90-7	Chlorobenzene	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	09/16/03	09/04/03	09/04/03
W030000800	B17HY8 TRENT	75-34-3	1,1-Dichloroethane	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	09/16/03	09/04/03	09/04/03

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RQ=Result Qualifier

DF=Dilution Factor

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

WSCF
ANALYTICAL RESULTS REPORT

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

Group #: WSCF20031225

Sample #	Client ID		CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W030000800	B17HY8	TRENT	100-41-4	Ethylbenzene	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	09/16/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	100-42-5	Styrene	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	09/16/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	10061-01-5	cis-1,3-Dichloropropene	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	09/16/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	10061-02-6	trans-1,3-Dichloropropene	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	09/16/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	107-06-2	1,2-Dichloroethane	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	09/16/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	108-10-1	4-Methyl-2-Pentanone	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	09/16/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	124-48-1	Dibromochloromethane	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	09/16/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	127-18-4	Tetrachloroethene	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	09/16/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	1330-20-7	Xylenes (total)	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	09/16/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	540-59-0	1,2-Dichloroethene(Total)	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	09/16/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	56-23-5	Carbon tetrachloride	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	09/16/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	591-78-6	2-Hexanone	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	09/16/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	67-64-1	Acetone	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	09/16/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	67-66-3	Chloroform	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	09/16/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	71-55-6	1,1,1-Trichloroethane	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	09/16/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	74-83-9	Bromomethane	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	09/16/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	74-87-3	Chloromethane	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	09/16/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	75-00-3	Chloroethane	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	09/16/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	75-01-4	Vinyl chloride	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	09/16/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	75-09-2	Methylenechloride	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	09/16/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	75-15-0	Carbon disulfide	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	09/16/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	75-25-2	Bromoform	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	09/16/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	75-27-4	Bromodichloromethane	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	09/16/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	78-87-5	1,2-Dichloropropane	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	09/16/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	78-93-3	2-Butanone	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	09/16/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	79-00-5	1,1,2-Trichloroethane	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	09/16/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	79-34-5	1,1,2,2-Tetrachloroethane	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	09/16/03	09/04/03	09/04/03

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RQ=Result Qualifier

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WSCF
ANALYTICAL RESULTS REPORT

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

Group #: WSCF20031225

Sample #	Client ID		CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W030000800	B17HY8	TRENT	71-36-3	1-Butanol	SOIL	LA-523-455	U	< 42.0	ug/kg	1.00	42	09/16/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	107-87-9	2-Pentanone	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	09/16/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	104-51-8	n-Butylbenzene	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	09/16/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	TPHDIESEL	Total Pet. Hydrocarbons Diesel	SOIL	NWTPH	U	< 4.00e+03	ug/kg	1.00	4.0e+03	09/22/03	09/04/03	09/04/03
W030000800	B17HY8	TRENT	TPHKEROSENE	Kerosene	SOIL	NWTPH	U	< 4.00e+03	ug/kg	1.00	4.0e+03	09/22/03	09/04/03	09/04/03

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WSCF
ANALYTICAL COMMENT REPORT

Attention: Steve Trent
Project Number F03-006

Group #: WSCF20031225

Sample #	Client ID	Lab Area	Test	Comment
		VALGROUP		ICP-MS: High silver LCS recovery using 200.8 method criteria. These values are within manufacturer specifications so no flags are issued. PCB/TPHD/SVOC: All results are moisture corrected and reported on a dry weight basis. cgc IC: Sulfate is less than 10X the EQL; RPD limits do not apply. jmv Sample W030000799 for Pu/Am tests had poor RPD. RPD criterion does not apply to low level samples.

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

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WSCF
TENTATIVELY IDENTIFIED PEAK REPORT

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

Group #: WSCF20031225

Sample #	Client ID		Test Name	Peak Name	CAS#	RT	RQ	Result	Units
W030000799	B17HY2	TRENT	Gamma Energy Analysis-grd H2O	K-40 Count Error				13	%
W030000799	B17HY2	TRENT	Gamma Energy Analysis-grd H2O	K-40				14	pCi/g
W030000800	B17HY8	TRENT	Gamma Energy Analysis-grd H2O	K-40 Count Error				13	%
W030000800	B17HY8	TRENT	Gamma Energy Analysis-grd H2O	K-40				21	pCi/g

RQ=Result Qualifier

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WSCF
METHOD REFERENCES REPORT

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

LA-212-411	Determination of Soil pH Measurement	
	EPA SW-846 9045C	SOIL AND WASTE pH
LA-503-401	LA-503-401: ANALYSIS OF CATIONS BY ION CHROMATOGRAPHY	
	EPA-600/4-86-024 300.7	Dissolved Sodium, Ammonium, Potassium, and Calcium in Wet Deposition by Chemical
LA-505-411	LA-505-411: ELEMENTAL ANALYSIS BY INDUCTIVELY COUPLED PLASMA ATOMIC EMISSION SPE	
	EPA SW-846 6010B	INDUCTIVELY COUPLED PLASMA-ATOMIC EMISSION SPECTROMETRY
LA-505-412	LA-505-412: DETERMINATION OF TRACE ELEMENTS IN WATERS AND WASTES BY INDUCTIVELY	
	EPA-600/R-94-111 200.8	DETERMINATION OF TRACE ELEMENTS IN WATERS AND WASTES BY INDUCTIVELY COUPLED PLAS
LA-508-462	Gamma Energy Analysis -- the Genie System -- WSCF	
	None	No reference to any industry method.
LA-508-471	LA-508-471: ALPHA ENERGY ANALYZER DATA ACQUISITION AND SYSTEM CHECKOUT USING ALP	
	None	No reference to any industry method.
LA-519-412	LA-519-412: TOTAL RESIDUE/% SOLIDS DRIED AT 103 - 105 C	
	EPA-600/4-79-020 160.3	RESIDUE, TOTAL
	Standard Methods 2540B	Total Solids Dried at 103-105 C
LA-523-427	LA-523-427: POLYCHLORINATED BIPHENYLS (PCBs) BY GAS CHROMATOGRAPHY	
	EPA SW-846 3510C	SEPARATORY FUNNEL LIQUID-LIQUID EXTRACTION
	EPA SW-846 3545	PRESSURIZED FLUID EXTRACTION (PFE)

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

WSCF
METHOD REFERENCES REPORT

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	EPA SW-846 3665A	SULFURIC ACID/PERMANGANATE CLEANUP
	EPA SW-846 8000B	DETERMINATIVE CHROMATOGRAPHIC SEPARATIONS
	EPA SW-846 8082	POLYCHLORINATED BIPHENYLS (PCBs) BY GAS CHROMATOGRAPHY
LA-523-455	LA-523-455: VOLATILE SAMPLE ANALYSIS BY SW-846	
	EPA SW-846 8000B	DETERMINATIVE CHROMATOGRAPHIC SEPARATIONS
	EPA SW-846 8260B	VOLATILE ORGANIC COMPOUNDS BY GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC/MS)
LA-523-456	LA-523-456: SEMIVOLATILE SAMPLE ANALYSIS BY SW-846, METHOD 8270C	
	EPA SW-846 8000B	DETERMINATIVE CHROMATOGRAPHIC SEPARATIONS
	EPA SW-846 8270C	SEMIVOLATILE ORGANIC COMPOUNDS BY GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC/MS)
LA-533-410	LA-533-410: ANION ANALYSIS BY ION CHROMATOGRAPHY	
	EPA-600/R-94-111 300	DETERMINATION OF INORGANIC ANIONS BY ION CHROMATOGRAPHY
LA-695-402	LA-695-402: DETERMINATION OF CYANIDE BY MIDIDISTILLATION AND SPECTROPHOTOMETRIC	
	EPA-600/4-79-020 335.2	Cyanide, Total
NWTPH	NWTPH-Diesel and/or Gasoline	
	WDOE NWTPH-Dx/Gx	Total Petroleum Hydrocarbons - Diesel/Gasoline
Organics	Organics - Alcohols, Glycols	
	EPA SW-846 8015B	Nonhalogenated Organics Using GC/FID

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

wl3qlog v1 02-oct-2003 14:13:35

W13q Worklist/Batch/QC Report for Group# WSCF20031225

WL#	S#	Batch	QC#	Tray Type	Sample#	Test
				SAMPLE	W030000799	Percent Solids
				SAMPLE	W030000800	Percent Solids
				SAMPLE	W030000799	pH Soil and Waste Measurement
				SAMPLE	W030000800	pH Soil and Waste Measurement
20288	1	20668	23477	BLANK		ICP-2008 MS All possible metal
20288	2	20668	23477	LCS		ICP-2008 MS All possible metal
20288	4	20668	23477	MS	W030000701	ICP-2008 MS All possible metal
20288	5	20668	23477	MSD	W030000701	ICP-2008 MS All possible metal
20288	9	20668	23477	MS	W030000709	ICP-2008 MS All possible metal
20288	10	20668	23477	MSD	W030000709	ICP-2008 MS All possible metal
20288	12	20668	23477	MS	W030000775	ICP-2008 MS All possible metal
20288	13	20668	23477	MSD	W030000775	ICP-2008 MS All possible metal
20288	15	20668	23477	MS	W030000799	ICP-2008 MS All possible metal
20288	16	20668	23477	MSD	W030000799	ICP-2008 MS All possible metal
20288	14	20668	23477	SAMPLE	W030000799	ICP-2008 MS All possible metal
20288	17	20668	23477	SAMPLE	W030000800	ICP-2008 MS All possible metal
			23577	BLANK		Cyanide by Midi/Spectrophotom
			23577	BLNK-PREP		Cyanide by Midi/Spectrophotom
			23577	DUP		Cyanide by Midi/Spectrophotom
			23577	LCS		Cyanide by Midi/Spectrophotom
			23577	LCS-2		Cyanide by Midi/Spectrophotom
			23577	MS	W030000789	Cyanide by Midi/Spectrophotom
			23577	MSD	W030000789	Cyanide by Midi/Spectrophotom
			23577	SPK-RPD	W030000789	Cyanide by Midi/Spectrophotom
			23577	SAMPLE	W030000799	Cyanide by Midi/Spectrophotom
			23577	SAMPLE	W030000800	Cyanide by Midi/Spectrophotom
			23612	BLANK		PCBs complete list
			23612	LCS		PCBs complete list
			23612	SAMPLE	W030000799	PCBs complete list
			23612	SURR	W030000799	PCBs complete list
			23612	SAMPLE	W030000800	PCBs complete list
			23612	SURR	W030000800	PCBs complete list
			23612	MS	W030000819	PCBs complete list
			23612	MSD	W030000819	PCBs complete list
			23612	SPK-RPD	W030000819	PCBs complete list
			23619	BLANK		SW-846 8270B Semi-Vols
			23619	LCS		SW-846 8270B Semi-Vols
			23619	SAMPLE	W030000799	SW-846 8270B Semi-Vols
			23619	SURR	W030000799	SW-846 8270B Semi-Vols
			23619	SAMPLE	W030000800	SW-846 8270B Semi-Vols
20426	1	20808	23639	BLANK		Anions by Ion Chromatography
20426	9	20808	23639	BLANK		Anions by Ion Chromatography
20426	3	20808	23639	LCS		Anions by Ion Chromatography
20426	5	20808	23639	DUP	W030000799	Anions by Ion Chromatography
20426	6	20808	23639	MS	W030000799	Anions by Ion Chromatography
20426	7	20808	23639	MSD	W030000799	Anions by Ion Chromatography
20426	4	20808	23639	SAMPLE	W030000799	Anions by Ion Chromatography
20426	8	20808	23639	SAMPLE	W030000800	Anions by Ion Chromatography

			23645	BLANK		WTPH-D TPH Diesel Range (Wa)
			23645	LCS		WTPH-D TPH Diesel Range (Wa)
			23645	SAMPLE	W030000799	WTPH-D TPH Diesel Range (Wa)
			23645	SURR	W030000799	WTPH-D TPH Diesel Range (Wa)
			23645	SAMPLE	W030000800	WTPH-D TPH Diesel Range (Wa)
			23645	SURR	W030000800	WTPH-D TPH Diesel Range (Wa)
			23645	MS	W030000818	WTPH-D TPH Diesel Range (Wa)
			23645	MSD	W030000818	WTPH-D TPH Diesel Range (Wa)
			23645	SPK-RPD	W030000818	WTPH-D TPH Diesel Range (Wa)
20431	10	20814	23653	SAMPLE	W030000799	ICP Metals Analysis, Grd H20 P
20431	11	20814	23653	SAMPLE	W030000800	ICP Metals Analysis, Grd H20 P
20461	1	20844	23676	BLANK		Ammonia (N) by IC
20461	9	20844	23676	BLANK		Ammonia (N) by IC
20461	3	20844	23676	LCS		Ammonia (N) by IC
20461	5	20844	23676	DUP	W030000799	Ammonia (N) by IC
20461	6	20844	23676	MS	W030000799	Ammonia (N) by IC
20461	7	20844	23676	MSD	W030000799	Ammonia (N) by IC
20461	4	20844	23676	SAMPLE	W030000799	Ammonia (N) by IC
20461	8	20844	23676	SAMPLE	W030000800	Ammonia (N) by IC
20261	1	20641	23684	BLANK		Gamma Energy Analysis-grd H2O
20261	2	20641	23684	LCS		Gamma Energy Analysis-grd H2O
20261	3	20641	23684	DUP	W030000799	Gamma Energy Analysis-grd H2O
20261	4	20641	23684	SAMPLE	W030000799	Gamma Energy Analysis-grd H2O
20261	5	20641	23684	SAMPLE	W030000800	Gamma Energy Analysis-grd H2O
20407	1	20788	23693	BLANK		Uranium Isotopics by AEA
20407	2	20788	23693	LCS		Uranium Isotopics by AEA
20407	3	20788	23693	DUP	W030000799	Uranium Isotopics by AEA
20407	4	20788	23693	SAMPLE	W030000799	Uranium Isotopics by AEA
20407	5	20788	23693	SAMPLE	W030000800	Uranium Isotopics by AEA
20408	1	20790	23698	BLANK		Americium by AEA
20408	2	20790	23698	LCS		Americium by AEA
20408	3	20790	23698	DUP	W030000799	Americium by AEA
20408	4	20790	23698	SAMPLE	W030000799	Americium by AEA
20408	5	20790	23698	SAMPLE	W030000800	Americium by AEA
20409	1	20789	23699	BLANK		Plutonium Isotopics by AEA
20409	2	20789	23699	LCS		Plutonium Isotopics by AEA
20409	3	20789	23699	DUP	W030000799	Plutonium Isotopics by AEA
20409	4	20789	23699	SAMPLE	W030000799	Plutonium Isotopics by AEA
20409	5	20789	23699	SAMPLE	W030000800	Plutonium Isotopics by AEA
			23759	BLANK		VOA Ground Water Protection
			23759	LCS		VOA Ground Water Protection
			23759	MS	W030000799	VOA Ground Water Protection
			23759	MSD	W030000799	VOA Ground Water Protection
			23759	SAMPLE	W030000799	VOA Ground Water Protection
			23759	SPK-RPD	W030000799	VOA Ground Water Protection
			23759	SURR	W030000799	VOA Ground Water Protection
			23759	SAMPLE	W030000800	VOA Ground Water Protection
			23759	SURR	W030000800	VOA Ground Water Protection
20514	1	20897	23761	BLANK		Alcohols, Glycols - 8015
20514	2	20897	23761	LCS		Alcohols, Glycols - 8015
20514	4	20897	23761	MS	W030000799	Alcohols, Glycols - 8015
20514	5	20897	23761	MSD	W030000799	Alcohols, Glycols - 8015

20514	3	20897	23761	SAMPLE	W030000799	Alcohols, Glycols - 8015
20514	5	20897	23761	SPK-RPD	W030000799	Alcohols, Glycols - 8015
20514	6	20897	23761	SAMPLE	W030000800	Alcohols, Glycols - 8015
20516	1	20899	23763	BLANK		NWTPH-GX TPH Gasoline Range
20516	2	20899	23763	LCS		NWTPH-GX TPH Gasoline Range
20516	4	20899	23763	DUP	W030000799	NWTPH-GX TPH Gasoline Range
20516	5	20899	23763	MS	W030000799	NWTPH-GX TPH Gasoline Range
20516	6	20899	23763	MSD	W030000799	NWTPH-GX TPH Gasoline Range
20516	3	20899	23763	SAMPLE	W030000799	NWTPH-GX TPH Gasoline Range
20516	6	20899	23763	SPK-RPD	W030000799	NWTPH-GX TPH Gasoline Range
20516	7	20899	23763	SAMPLE	W030000800	NWTPH-GX TPH Gasoline Range

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20031225
Matrix: SOLID
Test: ICP-2008 MS All possible metal

SAF Number: F03-006
Sample Date: 08/13/03
Receive Date:08/13/03

Lab ID: W030000701
BATCH QC ASSOCIATED WITH SAMPLE

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

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20031225
Matrix: SOLID
Test: ICP-2008 MS All possible metal

SAF Number: F03-006
Sample Date: 08/13/03
Receive Date:08/13/03

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

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20031225
Matrix: SOLID
Test: ICP-2008 MS All possible metal

SAF Number: F03-006
Sample Date: 08/28/03
Receive Date:08/28/03

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

Lab ID: W030000799
BATCH QC ASSOCIATED WITH SAMPLE

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

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20031225
Matrix: SOLID
Test: ICP-2008 MS All possible metal

SAF Number: F03-006
Sample Date: 09/04/03
Receive Date:09/04/03

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

BATCH QC

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

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20031225
Matrix: SOLID
Test: ICP-2008 MS All possible metal

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

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

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20031225
Matrix: SOLID
Test: Cyanide by Midi/Spectrophotom

SAF Number: F03-006
Sample Date: 09/03/03
Receive Date:09/03/03

Lab ID: W030000789

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	103.7	103.700	% Recov	09/17/03	75.000	125.000	
MSD	Cyanide by Midi/Spectrophotom	57-12-5	101.7	101.700	% Recov	09/17/03	75.000	125.000	
SPK-RPD	Cyanide by Midi/Spectrophotom	57-12-5	101.700	1.947	RPD	09/17/03	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	2.155	2.155	ug/L	09/17/03	-4.000	4.000	
BLNK-PREP	Cyanide by Midi/Spectrophotom	57-12-5	1.336	1.336	ug/L	09/17/03	-4.000	4.000	
DUP	Cyanide by Midi/Spectrophotom	57-12-5	n/a	n/a	RPD	09/17/03	0.000	20.000	
LCS	Cyanide by Midi/Spectrophotom	57-12-5	105.4	105.400	% Recov	09/17/03	85.000	115.000	
LCS-2	Cyanide by Midi/Spectrophotom	57-12-5	n/a	n/a	% Recov	09/17/03	85.000	115.000	

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20031225
Matrix: SOLID
Test: PCBs complete list

SAF Number: F03-006
Sample Date: 09/04/03
Receive Date:09/04/03

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
Lab ID: W030000799									
BATCH QC ASSOCIATED WITH SAMPLE									
SURR	Decachlorobiphenyl	2051-24-3	1251.4	120.000	% Recov	09/17/03	50.000	150.000	
SURR	Tetrachloro-m-xylene	877-09-8	997.14	95.500	% Recov	09/17/03	50.000	150.000	
Lab ID: W030000800									
BATCH QC ASSOCIATED WITH SAMPLE									
SURR	Decachlorobiphenyl	2051-24-3	1237.0	118.000	% Recov	09/17/03	50.000	150.000	
SURR	Tetrachloro-m-xylene	877-09-8	1024.1	97.700	% Recov	09/17/03	50.000	150.000	
Lab ID: W030000819									
BATCH QC ASSOCIATED WITH SAMPLE									
MS	Aroclor-1254	11097-69-1	136.27	114.000	% Recov	09/17/03	75.000	125.000	
MS	Decachlorobiphenyl	2051-24-3	906.25	91.300	% Recov	09/17/03	50.000	150.000	
MS	Tetrachloro-m-xylene	877-09-8	888.72	89.600	% Recov	09/17/03	50.000	150.000	
MSD	Aroclor-1254	11097-69-1	132.62	110.000	% Recov	09/17/03	75.000	125.000	
MSD	Decachlorobiphenyl	2051-24-3	1005.4	99.900	% Recov	09/17/03	50.000	150.000	
MSD	Tetrachloro-m-xylene	877-09-8	756.74	75.200	% Recov	09/17/03	50.000	150.000	
SPK-RPD	Aroclor-1254	11097-69-1	110.000	3.571	RPD	09/17/03	0.000	25.000	
SPK-RPD	Decachlorobiphenyl	2051-24-3	99.900	8.996	RPD	09/17/03	0.000	20.000	
SPK-RPD	Tetrachloro-m-xylene	877-09-8	75.200	17.476	RPD	09/17/03	0.000	20.000	
BATCH QC									
BLANK	Aroclor-1016	12674-11-2	< 50	n/a	ug/Kg	09/17/03			U
BLANK	Aroclor-1221	11104-28-2	< 100	n/a	ug/Kg	09/17/03			U
BLANK	Aroclor-1232	11141-16-5	< 50	n/a	ug/Kg	09/17/03			U
BLANK	Aroclor-1242	53469-21-9	< 50	n/a	ug/Kg	09/17/03			U
BLANK	Aroclor-1248	12672-29-6	< 50	n/a	ug/Kg	09/17/03			U

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20031225
Matrix: SOLID
Test: PCBs complete list

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

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
BLANK	Aroclor-1254	11097-69-1	< 50	n/a	ug/Kg	09/17/03			U
BLANK	Aroclor-1260	11096-82-5	< 50	n/a	ug/Kg	09/17/03			U
BLANK	Aroclor-1262	37324-23-5	< 50	n/a	ug/Kg	09/17/03			U
BLANK	Aroclor-1268	11100-14-4	< 50	n/a	ug/Kg	09/17/03			U
BLANK	Decachlorobiphenyl	2051-24-3	1133.0	113.000	% Recov	09/17/03	50.000	150.000	
BLANK	Tetrachloro-m-xylene	877-09-8	881.29	88.100	% Recov	09/17/03	50.000	150.000	
LCS	Aroclor-1254	11097-69-1	1187.4	119.000	% Recov	09/17/03	70.000	130.000	
LCS	Decachlorobiphenyl	2051-24-3	1153.0	115.000	% Recov	09/17/03	50.000	150.000	
LCS	Tetrachloro-m-xylene	877-09-8	909.91	91.000	% Recov	09/17/03	50.000	150.000	

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20031225
Matrix: SOLID
Test: SW-846 8270B Semi-Vols

SAF Number: F03-006
Sample Date: 09/04/03
Receive Date:09/04/03

Lab ID: W030000799

BATCH QC ASSOCIATED WITH SAMPLE

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
SURR	2-Fluorophenol	367-12-4	2529.6	76.100	%Recove	09/16/03	42.000	105.000	
SURR	2-Fluorobiphenyl	321-60-8	2815.5	84.700	%Recove	09/16/03	56.000	122.000	
SURR	Nitrobenzene-d5	4165-60-0	2818.8	84.800	%Recove	09/16/03	64.000	111.000	
SURR	Phenol-d5	4165-62-2	2741.4	82.500	%Recove	09/16/03	54.000	120.000	
SURR	2,4,6-Tribromophenol	118-79-6	2487.6	74.900	%Recove	09/16/03	24.000	122.000	
SURR	Terphenyl-d14 (7Cl)	98904-43-9	2946.1	88.600	%Recove	09/16/03	35.000	150.000	

BATCH QC

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
BLANK	1,2-Dichlorobenzene	95-50-1	< 360	n/a	ug/Kg	09/16/03			U
BLANK	1,2,4-Trichlorobenzene	120-82-1	< 290	n/a	ug/Kg	09/16/03			U
BLANK	1,3-Dichlorobenzene	541-73-1	< 320	n/a	ug/Kg	09/16/03			U
BLANK	1,4-Dichlorobenzene	106-46-7	< 310	n/a	ug/Kg	09/16/03			U
BLANK	2,4-Dichlorophenol	120-83-2	< 80	n/a	ug/Kg	09/16/03			U
BLANK	2,4-Dinitrotoluene	121-14-2	< 67	n/a	ug/Kg	09/16/03			U
BLANK	2,4,5-Trichlorophenol	95-95-4	< 73	n/a	ug/Kg	09/16/03			U
BLANK	2,4,6-Trichlorophenol	88-06-2	< 67	n/a	ug/Kg	09/16/03			U
BLANK	2,4-Dimethylphenol	105-67-9	< 67	n/a	ug/Kg	09/16/03			U
BLANK	2,6-Dinitrotoluene	606-20-2	< 67	n/a	ug/Kg	09/16/03			U
BLANK	2-Butoxyethanol	111-76-2	< 100	n/a	ug/Kg	09/16/03			U
BLANK	2-Chloronaphthalene	91-58-7	< 67	n/a	ug/Kg	09/16/03			U
BLANK	2-Fluorophenol	367-12-4	2676.3	80.300	%Recove	09/16/03	42.000	105.000	
BLANK	2-Methylnaphthalene	91-57-6	< 180	n/a	ug/Kg	09/16/03			U
BLANK	2-Methylphenol (cresol, o-)	95-48-7	< 67	n/a	ug/Kg	09/16/03			U
BLANK	2-Nitroaniline	88-74-4	< 67	n/a	ug/Kg	09/16/03			U
BLANK	2-Nitrophenol	88-75-5	< 170	n/a	ug/Kg	09/16/03			U
BLANK	3 & 4 Methylphenol Total	65794-96-9	< 110	n/a	ug/Kg	09/16/03	0.000	300.000	U

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20031225
Matrix: SOLID
Test: SW-846 8270B Semi-Vols

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

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
BLANK	3-Nitroaniline	99-09-2	< 67	n/a	ug/Kg	09/16/03			U
BLANK	4,6-Dinitro-2-methylphenol	534-52-1	< 670	n/a	ug/Kg	09/16/03			U
BLANK	4-Bromophenylphenyl ether	101-55-3	< 67	n/a	ug/Kg	09/16/03			U
BLANK	4-Chlorophenylphenyl ether	7005-72-3	< 67	n/a	ug/Kg	09/16/03			U
BLANK	Acenaphthene	83-32-9	< 67	n/a	ug/Kg	09/16/03			U
BLANK	Acenaphthylene	208-96-8	< 80	n/a	ug/Kg	09/16/03			U
BLANK	Anthracene	120-12-7	< 67	n/a	ug/Kg	09/16/03			U
BLANK	Bis(2-chloroethyl) ether	111-44-4	< 250	n/a	ug/Kg	09/16/03			U
BLANK	Benzo(a)anthracene	56-55-3	< 67	n/a	ug/Kg	09/16/03			U
BLANK	Benzo(b)fluoranthene	205-99-2	< 67	n/a	ug/Kg	09/16/03			U
BLANK	Benzo(ghi)perylene	191-24-2	< 67	n/a	ug/Kg	09/16/03			U
BLANK	Benzo(a)pyrene	50-32-8	< 67	n/a	ug/Kg	09/16/03			U
BLANK	Bis(2-Chloroethoxy)methane	111-91-1	< 110	n/a	ug/Kg	09/16/03			U
BLANK	Bis(2-ethylhexyl) phthalate	117-81-7	< 560	n/a	ug/Kg	09/16/03			U
BLANK	Bis(2-chloro-1-methylethyl)eth	108-60-1	< 250	n/a	ug/Kg	09/16/03	0.000	10.000	U
BLANK	Benzyl alcohol	100-51-6	< 73	n/a	ug/Kg	09/16/03			U
BLANK	Benzo(k)fluoranthene	207-08-9	< 67	n/a	ug/Kg	09/16/03			U
BLANK	Butylbenzylphthalate	85-68-7	< 67	n/a	ug/Kg	09/16/03			U
BLANK	Carbazole	86-74-8	< 80	n/a	ug/Kg	09/16/03			U
BLANK	4-Chloroaniline	106-47-8	< 93	n/a	ug/Kg	09/16/03			U
BLANK	4-Chloro-3-methylphenol	59-50-7	< 67	n/a	ug/Kg	09/16/03			U
BLANK	2-Chlorophenol	95-57-8	< 150	n/a	ug/Kg	09/16/03			U
BLANK	Chrysene	218-01-9	< 67	n/a	ug/Kg	09/16/03			U
BLANK	3,3'-Dichlorobenzidine	91-94-1	< 80	n/a	ug/Kg	09/16/03			U
BLANK	Dibenz[a,h]anthracene	53-70-3	< 67	n/a	ug/Kg	09/16/03			U
BLANK	Dibenzofuran	132-64-9	< 67	n/a	ug/Kg	09/16/03			U
BLANK	Di-n-butylphthalate	84-74-2	< 87	n/a	ug/Kg	09/16/03			U
BLANK	Diethylphthalate	84-66-2	< 190	n/a	ug/Kg	09/16/03			U
BLANK	Dimethyl phthalate	131-11-3	< 67	n/a	ug/Kg	09/16/03			U
BLANK	2,4-Dinitrophenol	51-28-5	< 670	n/a	ug/Kg	09/16/03			U

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20031225
Matrix: SOLID
Test: SW-846 8270B Semi-Vols

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

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
BLANK	Di-n-octylphthalate	117-84-0	< 67	n/a	ug/Kg	09/16/03			U
BLANK	N-Nitrosodi-n-dipropylamine	621-64-7	< 67	n/a	ug/Kg	09/16/03			U
BLANK	2-Fluorobiphenyl	321-60-8	2845.8	85.400	%Recove	09/16/03	56.000	122.000	
BLANK	Fluorene	86-73-7	< 67	n/a	ug/Kg	09/16/03			U
BLANK	Fluoranthene	206-44-0	< 67	n/a	ug/Kg	09/16/03			U
BLANK	Hexachlorobenzene	118-74-1	< 67	n/a	ug/Kg	09/16/03			U
BLANK	Hexachlorobutadiene	87-68-3	< 370	n/a	ug/Kg	09/16/03			U
BLANK	Hexachlorocyclopentadiene	77-47-4	< 310	n/a	ug/Kg	09/16/03			U
BLANK	Hexachloroethane	67-72-1	< 470	n/a	ug/Kg	09/16/03			U
BLANK	Indeno(1,2,3-cd)pyrene	193-39-5	< 67	n/a	ug/Kg	09/16/03			U
BLANK	Isophorone	78-59-1	< 67	n/a	ug/Kg	09/16/03			U
BLANK	Phenol	108-95-2	< 100	n/a	ug/Kg	09/16/03			U
BLANK	Naphthalene	91-20-3	< 290	n/a	ug/Kg	09/16/03			U
BLANK	Nitrobenzene-d5	4165-60-0	2833.1	85.000	%Recove	09/16/03	64.000	111.000	
BLANK	Nitrobenzene	98-95-3	< 260	n/a	ug/Kg	09/16/03			U
BLANK	4-Nitrophenol	100-02-7	< 650	n/a	ug/Kg	09/16/03			U
BLANK	4-Nitroaniline	100-01-6	< 250	n/a	ug/Kg	09/16/03			U
BLANK	N-Nitrosodiphenylamine	86-30-6	< 67	n/a	ug/Kg	09/16/03			U
BLANK	Pentachlorophenol	87-86-5	< 300	n/a	ug/Kg	09/16/03			U
BLANK	Phenanthrene	85-01-8	< 67	n/a	ug/Kg	09/16/03			U
BLANK	Phenol-d5	4165-62-2	2564.1	76.900	%Recove	09/16/03	54.000	120.000	
BLANK	Pyrene	129-00-0	< 67	n/a	ug/Kg	09/16/03			U
BLANK	Tributyl phosphate	126-73-8	< 67	n/a	ug/Kg	09/16/03			U
BLANK	2,4,6-Tribromophenol	118-79-6	2457.6	73.700	%Recove	09/16/03	24.000	122.000	
BLANK	Terphenyl-d14 (7Cl)	98904-43-9	2864.7	85.900	%Recove	09/16/03	35.000	150.000	
LCS	1,2,4-Trichlorobenzene	120-82-1	3085.9	92.600	% Recov	09/16/03	46.000	107.000	
LCS	1,4-Dichlorobenzene	106-46-7	2858.9	85.800	% Recov	09/16/03	42.000	111.000	
LCS	2,4-Dinitrotoluene	121-14-2	2724.0	81.700	% Recov	09/16/03	59.000	106.000	
LCS	2-Fluorophenol	367-12-4	2566.1	77.000	% Recov	09/16/03	50.000	110.000	
LCS	Acenaphthene	83-32-9	2940.7	88.200	% Recov	09/16/03	61.000	116.000	

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20031225
Matrix: SOLID
Test: SW-846 8270B Semi-Vols

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

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
LCS	4-Chloro-3-methylphenol	59-50-7	4418.1	88.400	% Recov	09/16/03	61.000	106.000	
LCS	2-Chlorophenol	95-57-8	4201.6	84.000	% Recov	09/16/03	66.000	106.000	
LCS	N-Nitrosodi-n-dipropylamine	621-64-7	3004.0	90.100	% Recov	09/16/03	71.000	114.000	
LCS	2-Fluorobiphenyl	321-60-8	2783.6	83.500	% Recov	09/16/03	58.000	109.000	
LCS	Phenol	108-95-2	4300.7	86.000	% Recov	09/16/03	67.000	105.000	
LCS	Nitrobenzene-d5	4165-60-0	2839.2	85.200	% Recov	09/16/03	60.000	118.000	
LCS	4-Nitrophenol	100-02-7	3667.6	73.400	% Recov	09/16/03	32.000	118.000	
LCS	Pentachlorophenol	87-86-5	3815.6	76.300	% Recov	09/16/03	62.000	114.000	
LCS	Phenol-d5	4165-62-2	2629.4	78.900	% Recov	09/16/03	59.000	116.000	
LCS	Pyrene	129-00-0	2967.8	89.000	% Recov	09/16/03	66.000	118.000	
LCS	2,4,6-Tribromophenol	118-79-6	2600.2	78.000	% Recov	09/16/03	60.000	120.000	
LCS	Terphenyl-d14 (7Cl)	98904-43-9	2825.1	84.800	% Recov	09/16/03	60.000	120.000	

WSCF ANALYTICAL LABORATORY QC REPORT

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SDG Number: WSCF20031225
Matrix: SOLID
Test: Anions by Ion Chromatography

SAF Number: F03-006
Sample Date: 09/04/03
Receive Date:09/04/03

Lab ID: W030000799

BATCH QC ASSOCIATED WITH SAMPLE

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
DUP	Chloride	16887-00-6	2.11e+00	11.000	RPD	09/15/03	0.000	20.000	
DUP	Fluoride	16984-48-8	<3.43e-1	n/a	RPD	09/15/03	0.000	20.000	U
DUP	Nitrogen in Nitrite	NO2-N	<4.41e-1	n/a	RPD	09/15/03	0.000	20.000	U
DUP	Nitrogen in Nitrate	NO3-N	3.34e+00	6.096	RPD	09/15/03	0.000	20.000	
DUP	Phosphate	14265-44-2	<6.37e-1	n/a	RPD	09/15/03	0.000	20.000	U
DUP	Sulfate	14808-79-8	1.83e+01	21.463	RPD	09/15/03	0.000	20.000	
MS	Chloride	16887-00-6	9.33e-01	94.242	% Recov	09/15/03	75.000	125.000	
MS	Fluoride	16984-48-8	5.07e-01	103.681	% Recov	09/15/03	75.000	125.000	
MS	Nitrogen in Nitrite	NO2-N	4.48e-01	88.889	% Recov	09/15/03	75.000	125.000	
MS	Nitrogen in Nitrate	NO3-N	4.28e-01	95.964	% Recov	09/15/03	75.000	125.000	
MS	Phosphate	14265-44-2	8.88e-01	92.596	% Recov	09/15/03	75.000	125.000	
MS	Sulfate	14808-79-8	1.95e+00	98.985	% Recov	09/15/03	75.000	125.000	
MSD	Chloride	16887-00-6	9.41e-01	95.051	% Recov	09/15/03	75.000	125.000	
MSD	Fluoride	16984-48-8	5.03e-01	102.863	% Recov	09/15/03	75.000	125.000	
MSD	Nitrogen in Nitrite	NO2-N	4.37e-01	86.706	% Recov	09/15/03	75.000	125.000	
MSD	Nitrogen in Nitrate	NO3-N	4.31e-01	96.637	% Recov	09/15/03	75.000	125.000	
MSD	Phosphate	14265-44-2	8.92e-01	93.014	% Recov	09/15/03	75.000	125.000	
MSD	Sulfate	14808-79-8	1.88e+00	95.431	% Recov	09/15/03	75.000	125.000	

BATCH QC

BLANK	Chloride	16887-00-6	<1.40e-2	n/a	mg/L	09/15/03	0.000	300.000	U
BLANK	Chloride	16887-00-6	<1.40e-2	n/a	mg/L	09/15/03	0.000	300.000	U
BLANK	Fluoride	16984-48-8	<7.00e-3	n/a	mg/L	09/15/03	0.000	300.000	U
BLANK	Fluoride	16984-48-8	<7.00e-3	n/a	mg/L	09/15/03	0.000	300.000	U
BLANK	Nitrogen in Nitrite	NO2-N	<9.00e-3	n/a	mg/L	09/15/03	0.000	300.000	U
BLANK	Nitrogen in Nitrite	NO2-N	<9.00e-3	n/a	mg/L	09/15/03	0.000	300.000	U

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20031225
Matrix: SOLID
Test: Anions by Ion Chromatography

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

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
BLANK	Nitrogen in Nitrate	NO3-N	<5.00e-3	n/a	mg/L	09/15/03	0.000	300.000	U
BLANK	Nitrogen in Nitrate	NO3-N	<5.00e-3	n/a	mg/L	09/15/03	0.000	300.000	U
BLANK	Phosphate	14265-44-2	<1.30e-2	n/a	mg/L	09/15/03	0.000	300.000	U
BLANK	Phosphate	14265-44-2	<1.30e-2	n/a	mg/L	09/15/03	0.000	300.000	U
BLANK	Sulfate	14808-79-8	<2.40e-2	n/a	mg/L	09/15/03	0.000	300.000	U
BLANK	Sulfate	14808-79-8	<2.40e-2	n/a	mg/L	09/15/03	0.000	300.000	U
LCS	Chloride	16887-00-6	1.96e+02	98.000	% Recov	09/15/03	80.000	120.000	
LCS	Fluoride	16984-48-8	9.11e+01	92.300	% Recov	09/15/03	80.000	120.000	
LCS	Nitrogen in Nitrite	NO2-N	1.01e+02	101.000	% Recov	09/15/03	80.000	120.000	
LCS	Nitrogen in Nitrate	NO3-N	8.56e+01	95.006	% Recov	09/15/03	80.000	120.000	
LCS	Phosphate	14265-44-2	1.85e+02	95.459	% Recov	09/15/03	80.000	120.000	
LCS	Sulfate	14808-79-8	3.77e+02	94.486	% Recov	09/15/03	80.000	120.000	

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20031225
Matrix: SOLID
Test: WTPH-D TPH Diesel Range (Wa)

SAF Number: F03-006
Sample Date: 09/04/03
Receive Date:09/04/03

QC Type	Analyte		CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
Lab ID: W030000799										
BATCH QC ASSOCIATED WITH SAMPLE										
SURR	ortho-Terphenyl	Surr	84-15-1	35339	99.200	% Recov	09/22/03	70.000	130.000	
Lab ID: W030000800										
BATCH QC ASSOCIATED WITH SAMPLE										
SURR	ortho-Terphenyl	Surr	84-15-1	34897	96.900	% Recov	09/22/03	70.000	130.000	
Lab ID: W030000818										
BATCH QC ASSOCIATED WITH SAMPLE										
MS	Kerosene		TPHKEROSENE	101290	78.900	%Recove	09/22/03	70.000	130.000	
MS	ortho-Terphenyl	Surr	84-15-1	23478	91.400	% Recov	09/22/03	70.000	130.000	
MSD	Kerosene		TPHKEROSENE	122320	80.200	%Recove	09/22/03	70.000	130.000	
MSD	ortho-Terphenyl	Surr	84-15-1	27493	90.100	% Recov	09/22/03	70.000	130.000	
SPK-RPD	ortho-Terphenyl	Surr	84-15-1	90.100	1.433	RPD	09/22/03	0.000	20.000	
BATCH QC										
BLANK	Kerosene		TPHKEROSENE	< 3800	n/a	ug/Kg	09/22/03	0.000	100.000	U
BLANK	ortho-Terphenyl	Surr	84-15-1	36594	108.000	ug/Kg	09/22/03	70.000	130.000	
BLANK	Total Pet. Hydrocarbons Diesel		TPHDIESEL	< 3800	n/a	ug/Kg	09/22/03	0.000	300.000	U
LCS	ortho-Terphenyl	Surr	84-15-1	33961	99.900	% Recov	09/22/03	70.000	130.000	
LCS	Total Pet. Hydrocarbons Diesel		TPHDIESEL	106520	85.200	% Recov	09/22/03	80.000	120.000	

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20031225
Matrix: SOLID
Test: Ammonia (N) by IC

SAF Number: F03-006
Sample Date: 09/04/03
Receive Date:09/04/03

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
Lab ID: W030000799									
BATCH QC ASSOCIATED WITH SAMPLE									
DUP	Ammonia (N) by IC	7664-41-7	<2.00e-1	n/a	RPD	09/24/03	0.000	20.000	U
MS	Ammonia (N) by IC	7664-41-7	1.61e-01	97.576	% Recov	09/24/03	75.000	125.000	
MSD	Ammonia (N) by IC	7664-41-7	1.70e-01	103.030	% Recov	09/24/03	75.000	125.000	
BATCH QC									
BLANK	Ammonia (N) by IC	7664-41-7	<4.00e-3	n/a	mg/L	09/24/03	0.000	30.000	U
BLANK	Ammonia (N) by IC	7664-41-7	<4.00e-3	n/a	mg/L	09/24/03	0.000	30.000	U
LCS	Ammonia (N) by IC	7664-41-7	8.65e+01	104.343	% Recov	09/24/03	80.000	120.000	

WSCF ANALYTICAL LABORATORY QC REPORT

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SDG Number: WSCF20031225
Matrix: SOLID
Test: Gamma Energy Analysis-grd H2O

SAF Number: F03-006
Sample Date: 09/04/03
Receive Date:09/04/03

Lab ID: W030000799
BATCH QC ASSOCIATED WITH SAMPLE

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
DUP	Actinium-228	14331-83-0	7.09e-01	2.427	RPD	09/25/03	0.000	20.000	
DUP	Americium-241	14596-10-2	U4.60e-02	n/a	RPD	09/25/03	0.000	20.000	
DUP	Bismuth-212	14913-49-6	4.74e-01	8.352	RPD	09/25/03	0.000	20.000	
DUP	Bismuth-214	14733-03-0	5.59e-01	4.015	RPD	09/25/03	0.000	20.000	
DUP	Cerium-144	14762-78-8	U3.24e-03	n/a	RPD	09/25/03	0.000	20.000	
DUP	Cobalt-60	10198-40-0	U2.87e-03	n/a	RPD	09/25/03	0.000	20.000	
DUP	Cesium-134	13967-70-9	U3.09e-02	n/a	RPD	09/25/03	0.000	20.000	
DUP	Cesium-137	10045-97-3	4.35e-02	25.974	RPD	09/25/03	0.000	20.000	*
DUP	Europium-152	14683-23-9	U2.33e-02	n/a	RPD	09/25/03	0.000	20.000	
DUP	Europium-154	15585-10-1	U-2.15e-3	n/a	RPD	09/25/03	0.000	20.000	
DUP	Europium-155	14391-16-3	U3.13e-02	n/a	RPD	09/25/03	0.000	20.000	
DUP	Niobium-94	14681-63-1	U1.37e-03	n/a	RPD	09/25/03	0.000	20.000	
DUP	Lead-212	15092-94-1	7.45e-01	0.802	RPD	09/25/03	0.000	20.000	
DUP	Lead-214	15067-28-4	6.72e-01	15.212	RPD	09/25/03	0.000	20.000	
DUP	Radium-226	13982-63-3	5.59e-01	4.015	RPD	09/25/03	0.000	20.000	
DUP	Radium-228	15262-20-1	7.09e-01	2.427	RPD	09/25/03	0.000	20.000	
DUP	Ruthenium-103	13968-53-1	U5.37e-04	n/a	RPD	09/25/03	0.000	20.000	
DUP	Ruthenium-106	13967-48-1	U3.28e-02	n/a	RPD	09/25/03	0.000	20.000	
DUP	Antimony-125	14234-35-6	U4.05e-03	n/a	RPD	09/25/03	0.000	20.000	
DUP	Tin-113	13966-06-8	U-9.16e-3	n/a	RPD	09/25/03	0.000	20.000	
DUP	Tin-126	15832-50-5	U1.72e-01	n/a	RPD	09/25/03	0.000	20.000	
DUP	Thorium-234	15065-10-8	9.99e-01	23.116	RPD	09/25/03	0.000	20.000	*
DUP	Thallium-208	14913-50-9	2.33e-01	0.430	RPD	09/25/03	0.000	20.000	
DUP	Uranium-235	15117-96-1	U8.01e-02	n/a	RPD	09/25/03	0.000	20.000	
DUP	Zinc-65	13982-39-3	U3.89e-02	n/a	RPD	09/25/03	0.000	20.000	

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20031225
Matrix: SOLID
Test: Gamma Energy Analysis-grd H2O

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

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
BATCH QC									
BLANK	Actinium-228	14331-83-0	U1.46e-02	n/a	pCi/g	09/25/03	-10000.000	1000.000	
BLANK	Americium-241	14596-10-2	U7.79e-03	n/a	pCi/g	09/25/03	-10000.000	1000.000	
BLANK	Bismuth-212	14913-49-6	U-1.94e-3	n/a	pCi/g	09/25/03	-10000.000	1000.000	
BLANK	Bismuth-214	14733-03-0	8.85e-02	0.088	pCi/g	09/25/03	-10000.000	1000.000	
BLANK	Cerium-144	14762-78-8	U-6.79e-3	n/a	pCi/g	09/25/03	-10000.000	1000.000	
BLANK	Cobalt-60	10198-40-0	U4.22e-04	n/a	pCi/g	09/25/03	-10000.000	1000.000	
BLANK	Cesium-134	13967-70-9	U-1.56e-3	n/a	pCi/g	09/25/03	-10000.000	1000.000	
BLANK	Cesium-137	10045-97-3	U1.15e-03	n/a	pCi/g	09/25/03	-10000.000	1000.000	
BLANK	Europium-152	14683-23-9	U-3.05e-3	n/a	pCi/g	09/25/03	-10000.000	1000.000	
BLANK	Europium-154	15585-10-1	U1.31e-04	n/a	pCi/g	09/25/03	-10000.000	1000.000	
BLANK	Europium-155	14391-16-3	U-8.20e-3	n/a	pCi/g	09/25/03	-10000.000	1000.000	
BLANK	Niobium-94	14681-63-1	U4.31e-04	n/a	pCi/g	09/25/03	-10000.000	1000.000	
BLANK	Lead-212	15092-94-1	U-2.34e-2	n/a	pCi/g	09/25/03	-10000.000	1000.000	
BLANK	Lead-214	15067-28-4	5.24e-02	0.052	pCi/g	09/25/03	-10000.000	1000.000	
BLANK	Radium-226	13982-63-3	8.85e-02	0.088	pCi/g	09/25/03	-10000.000	1000.000	
BLANK	Radium-228	15262-20-1	U1.46e-02	n/a	pCi/g	09/25/03	-10000.000	1000.000	
BLANK	Ruthenium-103	13968-53-1	U-3.80e-4	n/a	pCi/g	09/25/03	-10000.000	1000.000	
BLANK	Ruthenium-106	13967-48-1	U5.07e-02	n/a	pCi/g	09/25/03	-10000.000	1000.000	
BLANK	Antimony-125	14234-35-6	U6.00e-03	n/a	pCi/g	09/25/03	-10000.000	1000.000	
BLANK	Tin-113	13966-06-8	U1.27e-03	n/a	pCi/g	09/25/03	-10000.000	1000.000	
BLANK	Tin-126	15832-50-5	U-2.60e-3	n/a	pCi/g	09/25/03	-10000.000	1000.000	
BLANK	Thorium-234	15065-10-8	U-1.58e-1	n/a	pCi/g	09/25/03	-10000.000	1000.000	
BLANK	Thallium-208	14913-50-9	U-2.22e-3	n/a	pCi/g	09/25/03	-10000.000	1000.000	
BLANK	Uranium-235	15117-96-1	U-3.23e-2	n/a	pCi/g	09/25/03	-10000.000	1000.000	
BLANK	Zinc-65	13982-39-3	U8.17e-03	n/a	pCi/g	09/25/03	-10000.000	1000.000	
LCS	Americium-241	14596-10-2	4.08e+03	104.082	% Recov	09/25/03	80.000	120.000	
LCS	Cobalt-60	10198-40-0	4.28e+03	102.148	% Recov	09/25/03	80.000	120.000	
LCS	Cesium-137	10045-97-3	3.75e+03	104.749	% Recov	09/25/03	80.000	120.000	

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20031225
Matrix: SOLID
Test: Uranium Isotopics by AEA

SAF Number: F03-006
Sample Date: 09/04/03
Receive Date:09/04/03

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
Lab ID: W030000799									
BATCH QC ASSOCIATED WITH SAMPLE									
DUP	Uranium-238	U-238	1.9e-01	5.128	RPD	09/22/03	0.000	20.000	
BATCH QC									
BLANK	Uranium-238	24678-82-8	8.9e-03	0.009	PCG	09/22/03	0.000	1000.000	
LCS	Uranium-238	24678-82-8	3.8e+01	100.237	% Recov	09/22/03	75.000	125.000	

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20031225
Matrix: SOLID
Test: Americium by AEA

SAF Number: F03-006
Sample Date: 09/04/03
Receive Date:09/04/03

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
Lab ID: W030000799									
BATCH QC ASSOCIATED WITH SAMPLE									
DUP	Americium-241	14596-10-2	-1.2e-02	2600.000	RPD	09/22/03	0.000	20.000	*
BATCH QC									
BLANK	Americium-241	14596-10-2	1.9e-03	0.002	PCG	09/22/03	0.000	1000.000	
LCS	Americium-241	14596-10-2	11.4	86.692	% Recov	09/22/03	75.000	125.000	

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20031225
Matrix: SOLID
Test: Plutonium Isotopics by AEA

SAF Number: F03-006
Sample Date: 09/04/03
Receive Date:09/04/03

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
Lab ID: W030000799									
BATCH QC ASSOCIATED WITH SAMPLE									
DUP	Pu-239/240 by AEA	PU-239/240	4.0e-03	42.424	RPD	09/22/03	0.000	20.000	*
BATCH QC									
BLANK	Pu-239/240 by AEA	PU-239/240	3.0e-02	0.030	PCG	09/22/03	0.000	1000.000	
LCS	Pu-239/240 by AEA	PU-239/240	1.4e+01	113.821	% Recov	09/22/03	75.000	125.000	

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20031225
Matrix: SOLID
Test: VOA Ground Water Protection

SAF Number: F03-006
Sample Date: 09/04/03
Receive Date:09/04/03

Lab ID: W030000799
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	51.000	102.000	% Recov	09/16/03	63.000	117.000	
MS	Benzene	71-43-2	54.000	108.000	% Recov	09/16/03	75.000	129.000	
MS	4-Bromofluorobenzene	460-00-4	100.00	100.000	% Recov	09/16/03	84.000	116.000	
MS	Chlorobenzene	108-90-7	54.000	108.000	% Recov	09/16/03	79.000	119.000	
MS	1,2-Dichloroethane-d4	17060-07-0	110.00	110.000	% Recov	09/16/03	82.000	136.000	
MS	Toluene-d8	2037-26-5	100.00	100.000	% Recov	09/16/03	89.000	119.000	
MS	Toluene	108-88-3	54.000	108.000	% Recov	09/16/03	76.000	120.000	
MS	Trichloroethene	79-01-6	52.000	104.000	% Recov	09/16/03	73.000	123.000	
MSD	1,1-Dichloroethene	75-35-4	51.000	102.000	% Recov	09/16/03	63.000	117.000	
MSD	Benzene	71-43-2	54.000	108.000	% Recov	09/16/03	75.000	129.000	
MSD	4-Bromofluorobenzene	460-00-4	100.00	100.000	% Recov	09/16/03	84.000	116.000	
MSD	Chlorobenzene	108-90-7	54.000	108.000	% Recov	09/16/03	79.000	119.000	
MSD	1,2-Dichloroethane-d4	17060-07-0	110.00	110.000	% Recov	09/16/03	82.000	136.000	
MSD	Toluene-d8	2037-26-5	100.00	100.000	% Recov	09/16/03	89.000	119.000	
MSD	Toluene	108-88-3	55.000	110.000	% Recov	09/16/03	76.000	120.000	
MSD	Trichloroethene	79-01-6	53.000	106.000	% Recov	09/16/03	73.000	123.000	
SPK-RPD	1,1-Dichloroethene	75-35-4	102.000	0.000	RPD	09/16/03	0.000	25.000	
SPK-RPD	Benzene	71-43-2	108.000	0.000	RPD	09/16/03	0.000	25.000	
SPK-RPD	4-Bromofluorobenzene	460-00-4	100.000	0.000	RPD	09/16/03	0.000	25.000	
SPK-RPD	Chlorobenzene	108-90-7	108.000	0.000	RPD	09/16/03	0.000	25.000	
SPK-RPD	1,2-Dichloroethane-d4	17060-07-0	110.000	0.000	RPD	09/16/03	0.000	25.000	
SPK-RPD	Toluene-d8	2037-26-5	100.000	0.000	RPD	09/16/03	0.000	25.000	
SPK-RPD	Toluene	108-88-3	110.000	1.835	RPD	09/16/03	0.000	25.000	
SPK-RPD	Trichloroethene	79-01-6	106.000	1.905	RPD	09/16/03	0.000	25.000	
SURR	4-Bromofluorobenzene	460-00-4	100.00	100.000	% Recov	09/16/03	71.000	125.000	
SURR	1,2-Dichloroethane-d4	17060-07-0	100.00	100.000	% Recov	09/16/03	80.000	134.000	

WSCF ANALYTICAL LABORATORY QC REPORT

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SDG Number: WSCF20031225
Matrix: SOLID
Test: VOA Ground Water Protection

SAF Number: F03-006
Sample Date: 09/04/03
Receive Date:09/04/03

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
SURR	Toluene-d8	2037-26-5	100.00	100.000	% Recov	09/16/03	80.000	126.000	

Lab ID: W030000800
BATCH QC ASSOCIATED WITH SAMPLE

SURR	4-Bromofluorobenzene	460-00-4	100.00	100.000	% Recov	09/16/03	71.000	125.000	
SURR	1,2-Dichloroethane-d4	17060-07-0	110.00	110.000	% Recov	09/16/03	80.000	134.000	
SURR	Toluene-d8	2037-26-5	110.00	110.000	% Recov	09/16/03	80.000	126.000	

BATCH QC

BLANK	1,1-Dichloroethane	75-34-3	< 2.0	n/a	ug/Kg	09/16/03			U
BLANK	1,1,1-Trichloroethane	71-55-6	< 2.0	n/a	ug/Kg	09/16/03			U
BLANK	1,1,2-Trichloroethane	79-00-5	< 2.0	n/a	ug/Kg	09/16/03			U
BLANK	1,1,2,2-Tetrachloroethane	79-34-5	< 2.0	n/a	ug/Kg	09/16/03			U
BLANK	1,1-Dichloroethene	75-35-4	< 2.0	n/a	ug/Kg	09/16/03			U
BLANK	1,2-Dichloroethane	107-06-2	< 2.0	n/a	ug/Kg	09/16/03			U
BLANK	1,2-Dichloroethene(Total)	540-59-0	< 2.0	n/a	ug/Kg	09/16/03			U
BLANK	1-Butanol	71-36-3	< 40	n/a	ug/Kg	09/16/03			U
BLANK	2-Hexanone	591-78-6	< 2.0	n/a	ug/Kg	09/16/03			U
BLANK	2-Pentanone	107-87-9	< 2.0	n/a	ug/Kg	09/16/03			U
BLANK	4-Methyl-2-Pentanone	108-10-1	< 2.0	n/a	ug/Kg	09/16/03			U
BLANK	Acetone	67-64-1	< 2.0	n/a	ug/Kg	09/16/03			U
BLANK	Bromodichloromethane	75-27-4	< 2.0	n/a	ug/Kg	09/16/03			U
BLANK	Benzene	71-43-2	< 2.0	n/a	ug/Kg	09/16/03			U
BLANK	4-Bromofluorobenzene	460-00-4	99.000	99.000	% Recov	09/16/03	71.000	125.000	
BLANK	Bromoform	75-25-2	< 2.0	n/a	ug/Kg	09/16/03			U
BLANK	n-Butylbenzene	104-51-8	< 2.0	n/a	ug/Kg	09/16/03			U
BLANK	Carbon disulfide	75-15-0	< 2.0	n/a	ug/Kg	09/16/03			U
BLANK	Carbon tetrachloride	56-23-5	< 2.0	n/a	ug/Kg	09/16/03			U
BLANK	Dibromochloromethane	124-48-1	< 2.0	n/a	ug/Kg	09/16/03			U
BLANK	Chloroform	67-66-3	< 2.0	n/a	ug/Kg	09/16/03			U

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20031225
Matrix: SOLID
Test: VOA Ground Water Protection

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

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
BLANK	Chlorobenzene	108-90-7	< 2.0	n/a	ug/Kg	09/16/03			U
BLANK	cis-1,3-Dichloropropene	10061-01-5	< 2.0	n/a	ug/Kg	09/16/03			U
BLANK	Chloroethane	75-00-3	< 2.0	n/a	ug/Kg	09/16/03			U
BLANK	1,2-Dichloroethane-d4	17060-07-0	100.00	100.000	% Recov	09/16/03	80.000	134.000	
BLANK	1,2-Dichloropropane	78-87-5	< 2.0	n/a	ug/Kg	09/16/03			U
BLANK	Ethylbenzene	100-41-4	< 2.0	n/a	ug/Kg	09/16/03			U
BLANK	Bromomethane	74-83-9	< 2.0	n/a	ug/Kg	09/16/03			U
BLANK	Chloromethane	74-87-3	< 2.0	n/a	ug/Kg	09/16/03			U
BLANK	2-Butanone	78-93-3	< 2.0	n/a	ug/Kg	09/16/03			U
BLANK	Methylenechloride	75-09-2	< 2.0	n/a	ug/Kg	09/16/03			U
BLANK	Tetrachloroethene	127-18-4	< 2.0	n/a	ug/Kg	09/16/03			U
BLANK	Styrene	100-42-5	< 2.0	n/a	ug/Kg	09/16/03			U
BLANK	Xylenes (total)	1330-20-7	< 2.0	n/a	ug/Kg	09/16/03	0.000	300.000	U
BLANK	Toluene-d8	2037-26-5	100.00	100.000	% Recov	09/16/03	80.000	126.000	
BLANK	Toluene	108-88-3	< 2.0	n/a	ug/Kg	09/16/03			U
BLANK	trans-1,3-Dichloropropene	10061-02-6	< 2.0	n/a	ug/Kg	09/16/03			U
BLANK	Trichloroethene	79-01-6	< 2.0	n/a	ug/Kg	09/16/03			U
BLANK	Vinyl chloride	75-01-4	< 2.0	n/a	ug/Kg	09/16/03			U
LCS	1,1-Dichloroethene	75-35-4	43.000	86.000	% Recov	09/16/03	70.000	130.000	
LCS	Benzene	71-43-2	51.000	102.000	% Recov	09/16/03	70.000	130.000	
LCS	4-Bromofluorobenzene	460-00-4	99.000	99.000	% Recov	09/16/03	71.000	125.000	
LCS	Chlorobenzene	108-90-7	52.000	104.000	% Recov	09/16/03	70.000	130.000	
LCS	1,2-Dichloroethane-d4	17060-07-0	110.00	110.000	% Recov	09/16/03	80.000	134.000	
LCS	Toluene-d8	2037-26-5	100.00	100.000	% Recov	09/16/03	80.000	126.000	
LCS	Toluene	108-88-3	52.000	104.000	% Recov	09/16/03	70.000	130.000	
LCS	Trichloroethene	79-01-6	50.000	100.000	% Recov	09/16/03	70.000	130.000	

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20031225
Matrix: SOLID
Test: Alcohols, Glycols - 8015

SAF Number: F03-006
Sample Date: 09/04/03
Receive Date:09/04/03

Lab ID: W030000799

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	17500	87.500	%Recove	09/16/03	70.000	125.000	
MS	Diethyl ether	60-29-7	18800	94.000	%Recove	09/16/03	75.000	125.000	
MS	Ethylene glycol	107-21-1	17900	89.500	%Recove	09/16/03	75.000	125.000	
MS	Methanol	67-56-1	20000	100.000	%Recove	09/16/03	75.000	125.000	
MSD	2-Bromoethanol	540-51-2	18700	93.500	%Recove	09/16/03	70.000	125.000	
MSD	Diethyl ether	60-29-7	19600	98.000	%Recove	09/16/03	75.000	125.000	
MSD	Ethylene glycol	107-21-1	19300	96.500	%Recove	09/16/03	75.000	125.000	
MSD	Methanol	67-56-1	18000	90.000	%Recove	09/16/03	75.000	125.000	
SPK-RPD	2-Bromoethanol	540-51-2	93.500	6.630	RPD	09/16/03	0.000	20.000	
SPK-RPD	Diethyl ether	60-29-7	98.000	4.167	RPD	09/16/03	0.000	20.000	
SPK-RPD	Ethylene glycol	107-21-1	96.500	7.527	RPD	09/16/03	0.000	20.000	
SPK-RPD	Methanol	67-56-1	90.000	10.526	RPD	09/16/03	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	18600	0.930	ug/Kg	09/16/03	0.000	10.000	
BLANK	Diethyl ether	60-29-7	<5000	n/a	ug/Kg	09/16/03	0.000	10.000	U
BLANK	Ethylene glycol	107-21-1	<5000	n/a	ug/Kg	09/16/03	0.000	5.000	U
BLANK	Methanol	67-56-1	<1000	n/a	ug/Kg	09/16/03	0.000	10.000	U
LCS	2-Bromoethanol	540-51-2	16500	82.500	%Recove	09/16/03	70.000	130.000	
LCS	Diethyl ether	60-29-7	16900	84.500	%Recove	09/16/03	70.000	130.000	
LCS	Ethylene glycol	107-21-1	15000	75.000	%Recove	09/16/03	70.000	130.000	
LCS	Methanol	67-56-1	15800	79.000	%Recove	09/16/03	70.000	130.000	

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20031225
Matrix: SOLID
Test: NWTPH-GX TPH Gasoline Range

SAF Number: F03-006
Sample Date: 09/04/03
Receive Date:09/04/03

Lab ID: W030000799

BATCH QC ASSOCIATED WITH SAMPLE

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
DUP	Total Pet. Hydrocarbons Gas	TPHGASOLINE	<250	n/a	RPD	09/17/03	0.000	20.000	U
MS	Total Pet. Hydrocarbons Gas	TPHGASOLINE	3480	96.133	% Recov	09/17/03	50.000	150.000	
MSD	Total Pet. Hydrocarbons Gas	TPHGASOLINE	3460	95.580	% Recov	09/17/03	50.000	150.000	
SPK-RPD	Total Pet. Hydrocarbons Gas	TPHGASOLINE	95.580	0.577	RPD	09/17/03	0.000	20.000	

BATCH QC

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
BLANK	Total Pet. Hydrocarbons Gas	TPHGASOLINE	<250	n/a	mg/L	09/17/03	0.000	300.000	U
LCS	Total Pet. Hydrocarbons Gas	TPHGASOLINE	3430	99.420	% Recov	09/17/03	85.000	115.000	

LABCORE Completed Worklist Report for Worklist# 20431

Analyst: skb **Instrument:** ICP405 **Book#** _____

Method: _____ Rev/Mod _____

Worklist Comment:

Seq	Type	Sample#	R	A	Test	Matrix	Actual	Found	DL or Yield	Unit
1	BLANK		0		@ICP-GPP BI-32	SOLID	1.00	<0.1		ug/L
1	BLANK		0		@ICP-GPP B-32	SOLID	1.00	<0.102		ug/L
2	LCS		0		@ICP-GPP BI-32	SOLID	494	283	57.287	% Recovery
2	LCS		0		@ICP-GPP B-32	SOLID	64.1	57.7	90.016	% Recovery
3	SAMPLE	W030000817	0	M	@GPP6010 B-32	SOLID	N/A <	5.07	5.070	ug/g
3	SAMPLE	W030000817	0	M	@GPP6010 BI-32	SOLID	N/A <	4.97	4.970	ug/g
4	SAMPLE	W030000818	0	M	@GPP6010 B-32	SOLID	N/A <	5.08	5.080	ug/g
4	SAMPLE	W030000818	0	M	@GPP6010 BI-32	SOLID	N/A <	4.98	4.980	ug/g
5	SAMPLE	W030000819	0	M	@GPP6010 B-32	SOLID	N/A <	5.1	5.100	ug/g
5	SAMPLE	W030000819	0	M	@GPP6010 BI-32	SOLID	N/A <	5.0	5.000	ug/g
6	MS	W030000819	0	M	@GPP6010 B-32	SOLID	249	264	106.024	% Recovery
6	MS	W030000819	0	M	@GPP6010 BI-32	SOLID	249	240	96.386	% Recovery
7	MSD	W030000819	0	M	@GPP6010 B-32	SOLID	247	266	107.692	% Recovery
7	MSD	W030000819	0	M	@GPP6010 BI-32	SOLID	247	244	98.785	% Recovery
8	SAMPLE	W030000727	0	M	@ICP-GPP BI-32	SOLID	N/A <	4.97	4.970	ug/g
8	SAMPLE	W030000727	0	M	@ICP-GPP B-32	SOLID	N/A <	5.07	5.070	ug/g
9	SAMPLE	W030000775	0	M	@ICP-GPP BI-32	SOLID	N/A <	4.96	4.960	ug/g
9	SAMPLE	W030000775	0	M	@ICP-GPP B-32	SOLID	N/A <	5.06	5.060	ug/g
10	SAMPLE	W030000799	0	M	@ICP-GPP BI-32	SOLID	N/A <	4.95	4.950	ug/g
10	SAMPLE	W030000799	0	M	@ICP-GPP B-32	SOLID	N/A <	5.05	5.050	ug/g
11	SAMPLE	W030000800	0	M	@ICP-GPP BI-32	SOLID	N/A <	4.98	4.980	ug/g
11	SAMPLE	W030000800	0	M	@ICP-GPP B-32	SOLID	N/A <	5.08	5.080	ug/g
12	SAMPLE	W030000789	0	M	@ICP-GPP BI-32	SOLID	N/A <	4.99	4.990	ug/g
12	SAMPLE	W030000789	0	M	@ICP-GPP B-32	SOLID	N/A <	5.09	5.090	ug/g
13	SAMPLE	W030000790	0	M	@ICP-GPP BI-32	SOLID	N/A <	4.94	4.940	ug/g
13	SAMPLE	W030000790	0	M	@ICP-GPP B-32	SOLID	N/A <	5.04	5.040	ug/g
14	SAMPLE	W030000791	0	M	@ICP-GPP BI-32	SOLID	N/A <	4.96	4.960	ug/g
14	SAMPLE	W030000791	0	M	@ICP-GPP B-32	SOLID	N/A <	5.06	5.060	ug/g
15	SAMPLE	W030000792	0	M	@ICP-GPP BI-32	SOLID	N/A <	4.98	4.980	ug/g
15	SAMPLE	W030000792	0	M	@ICP-GPP B-32	SOLID	N/A <	5.08	5.080	ug/g
16	SAMPLE	W030000793	0	M	@ICP-GPP BI-32	SOLID	N/A <	4.98	4.980	ug/g
16	SAMPLE	W030000793	0	M	@ICP-GPP B-32	SOLID	N/A <	5.08	5.080	ug/g
17	SAMPLE	W030000794	0	M	@ICP-GPP BI-32	SOLID	N/A <	4.92	4.920	ug/g
17	SAMPLE	W030000794	0	M	@ICP-GPP B-32	SOLID	N/A <	5.02	5.020	ug/g
18	SAMPLE	W030000795	0	M	@ICP-GPP BI-32	SOLID	N/A <	4.95	4.950	ug/g
18	SAMPLE	W030000795	0	M	@ICP-GPP B-32	SOLID	N/A <	5.05	5.050	ug/g
19	SAMPLE	W030000796	0	M	@ICP-GPP BI-32	SOLID	N/A <	4.92	4.920	ug/g
19	SAMPLE	W030000796	0	M	@ICP-GPP B-32	SOLID	N/A <	5.01	5.010	ug/g
	SPK-RPD	W030000819	0	M	@GPP6010 B-32	SOLID	106.024	107.692	1.561	RPD
	SPK-RPD	W030000819	0	M	@GPP6010 BI-32	SOLID	96.386	98.785	2.458	RPD

Units shown for QC (BLK/BKG) may not reflect the actual units.

T4180-03-SLF-045

ATTACHMENT 3

SAMPLE RECEIPT INFORMATION

Consisting of 3 pages
Cover page not included

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

File
10/2/03

ACKNOWLEDGMENT OF SAMPLES RECEIVED

Ground Water Protection Program

Richland, WA 99352
Attn: Steve Trent

Customer Code: GPP
PO#: 117504/ES20
Group#: 20031225
Project#: F03-006
Proj Mgr: STEVE TRENT A0-21
Phone: 373-5869

The following samples were received from you on 09/04/03. They have been scheduled for the tests listed beside each sample. If this information is incorrect, please contact your service representative. Thank you for using Waste Sampling and Characterization Facility.

Sample#	Sample Id	Tests Scheduled	Matrix	Sample Date
W030000799	B17HY2	TRENT	Solid, or handle as if solid	09/04/03
		@2008 @8015GPP @AEA-30 @AEA-31 @AEA-32		
		@GEA-GPP @IC-30 @ICP-GPP @PCBGPP @SVOCGPP @TPHD		
		@TPHG-WA @VOA-GPP CN-02 NH4-IC PERSOLID PH-30		
W030000800	B17HY8	TRENT	Solid, or handle as if solid	09/04/03
		@2008 @8015GPP @AEA-30 @AEA-31 @AEA-32		
		@GEA-GPP @IC-30 @ICP-GPP @PCBGPP @SVOCGPP @TPHD		
		@TPHG-WA @VOA-GPP CN-02 NH4-IC PERSOLID PH-30		

Test Acronym Description

Test Acronym	Description
@2008	ICP-2008 MS All possible metal
@8015GPP	Alcohols, Glycols - 8015
@AEA-30	Plutonium Isotopics by AEA
@AEA-31	Americium by AEA
@AEA-32	Uranium Isotopics by AEA
@GEA-GPP	Gamma Energy Analysis-grd H2O
@IC-30	Anions by Ion Chromatography
@ICP-GPP	ICP Metals Analysis, Grd H20 P
@PCBGPP	PCBs complete list
@SVOCGPP	SW-846 8270B Semi-Vols
@TPHD-WA	WTPH-D TPH Diesel Range (Wa)
@TPHG-WA	NWTPH-GX TPH Gasoline Range
@VOA-GPP	VOA Ground Water Protection
CN-02	Cyanide by Midi/Spectrophotom
NH4-IC	Ammonia (N) by IC
PERSOLID	Percent Solids
PH-30	pH Soil and Waste Measurement

MAN
3-1

10/2/03

FH-Central Plateau Project	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F03-006-244	Page 1 of 1

Collector Pope/Pfister/Hughes	Company Contact LC Hulstrom	Telephone No. 373-3928	Project Coordinator TRENT, SJ
Project Designation 200-PW-2/200-PW-4 OU - Borehole Soil Sampling	Sampling Location 200-PW-4/Retention Basin C4114		SAF No. F03-006
Ice Chest No.	Field Logbook No. HNF-N-3361	COA 117504ES10	Method of Shipment Government Vehicle
Shipped To Waste Sampling & Characterization	Offsite Property No. N/A		Bill of Lading/Air Bill No. N/A

Price Code 8N

Air Quality ☐

Data Turnaround 45 Days

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POSSIBLE SAMPLE HAZARDS/REMARKS

N/A

Special Handling and/or Storage

N/A

Preservation	Cool 4C	Cool 4C	Cool 4C	Cool 4C							
Type of Container	Gs*	aG	Gs*	P							
No. of Container(s)	3	1	3	1							
Volume	40mL	250mL	40mL	500mL							
SAMPLE ANALYSIS SDG 20031225	See item (1) in Special Instructions.	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										
~~B17HY0~~	~~SOIL~~	TMJ 9-4-03											
~~B17HY1~~	~~SOIL~~	TMJ 9-4-03											
B17HY2 W03000577	SOIL	9-4-03	1025	X	X	X	X						
~~B17HY3~~	~~SOIL~~	TMJ 9-4-03											
~~B17J03~~	~~SOIL~~	TMJ 9-4-03											

CHAIN OF POSSESSION	Date/Time	Sign/Print Names: Received By/Stored In	Date/Time
Relinquished By/Removed From: J.S. Pope/A. Pfister	9/4/03 1350	Received By/Stored In: Victor Binns	9/4/03 1350
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

FH acknowledges that holding times (less than 14 days) may not be met by the lab due to the radl characteristics.

(1) VOA - 8260A (TCL); VOA - 8260A (Add-On) {2-Pentanone, Benzyl alcohol, n-Butylbenzene}
(2) Semi-VOA - 8270A (TCL); Semi-VOA -- 8270A (Add-On) {2-Butoxyethanol, Tributyl phosphate}; TPH-Diesel Range - WTPH-D; TPH-Gasoline Range - WTPH-G; PCBs - 8082
(3) Alcohols, Glycols, & Ketones - 8015 {1-Butanol, Diethyl ether, Ethylene glycol, Methanol}
(4) Gamma Spectroscopy {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155}; Gamma Spec - Add-on {Antimony-125, Cesium-134, Radium-226, Radium-228, Tin-126}; Isotopic Plutonium; Americium-241; Isotopic Uranium; Trace Elements ICP/MS - 200.8 (Complete) {Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Copper, Lead, Mercury, Nickel, Selenium, Silver, Uranium}; ICP Metals - 6010A (Add-on) {Bismuth, Boron}; IC Anions - 300.0 {Chloride, Fluoride, Nitrogen in Nitrate, Nitrogen in Nitrite, Phosphate, Sulfate}; Cyanide (Total) - 335.2; Cations (IC) - 300.7 {Nitrogen in ammonium}; pH (Soil) - 9045

Matrix *

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

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

FH-Central Plateau Project	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F03-006-246	Page 1 of 1

Collector Pope/Pfister/Hughes	Company Contact LC Hulstrom	Telephone No. 373-3928	Project Coordinator TRENT, SJ	Price Code 8N	Data Turnaround 45 Days
Project Designation 200-PW-2/200-PW-4 OU - Borehole Soil Sampling	Sampling Location 200-PW-4/Retention Basin - C4115		SAF No. F03-006	Air Quality ☐	
Ice Chest No.	Field Logbook No. HNF-N-3361	COA 117504ES10	Method of Shipment Government Vehicle		
Shipped To Waste Sampling & Characterization	Offsite Property No. N/A		Bill of Lading/Air Bill No. N/A		

POSSIBLE SAMPLE HAZARDS/REMARKS

N/A

Special Handling and/or Storage

N/A

Preservation	Cool 4C	Cool 4C	Cool 4C	Cool 4C							
Type of Container	Gs*	aG	Gs*	P							
No. of Container(s)	3	1	3	1							
Volume	40mL	250mL	40mL	500mL							
SAMPLE ANALYSIS	See item (1) in Special Instructions.	See item (2) in Special Instructions.	See item (3) in Special Instructions.	See item (4) in Special Instructions.							

Sample No.	Matrix *	Sample Date	Sample Time										
~~B17HY6~~	~~SOIL~~ TMJ	~~9-4-03~~											
~~B17HY7~~	~~SOIL~~ TMJ	~~9-4-03~~											
B17HY8 W0300020100	SOIL	9-4-03	1240	X	X	X	X						
~~B17HY9~~	~~SOIL~~ TMJ	~~9-4-03~~											

CHAIN OF POSSESSION		Sign/Print Names	
Relinquished By/Removed From J.S. Pope/Pfister	Date/Time 9-4-03 1350	Received By/Stored In Vic Tom Burns	Date/Time 9/4/03 1350
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

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(3) Alcohols, Glycols, & Ketones - 8015 {1-Butanol, Diethyl ether, Ethylene glycol, Methanol}
(4) Gamma Spectroscopy {Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155}; Gamma Spec - Add-on {Antimony-125, Cesium-134, Radium-226, Radium-228, Tin-126}; Isotopic Plutonium; Americium-241; Isotopic Uranium; Trace Elements ICP/MS - 200.8 (Complete) {Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Copper, Lead, Mercury, Nickel, Selenium, Silver, Uranium}; ICP Metals - 6010A (Add-on) {Bismuth, Boron}; IC Anions - 300.0 {Chloride, Fluoride, Nitrogen in Nitrate, Nitrogen in Nitrite, Phosphate, Sulfate}; Cyanide (Total) - 335.2; Cations (IC) - 300.7 {Nitrogen in ammonium}; pH (Soil) - 9045

Matrix *

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

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

3-3