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0060068

FLUOR

Memorandum

T4180-03-SLF-005

To: S. J. Trent

Date: June 9, 2003

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

Telephone: 373-7495

cc:

W/Attachments		W/O Attachments	
T. F. Dale	S3-28	C. M. Caprio	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	
M. Neely	S3-30		

Subject: FINAL RESULTS FOR 200-PW-2/200-PW-4 OU- BOREHOLE SOIL SAMPLING-SAMPLE DELIVERY GROUP WSCF20030588 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 (WSCF20030588), the analytical results (Attachment 2) and the sample receipt information (Attachment 3).

slf/ddw

Attachments 3

JUN 2003
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T4180-03-SLF-005

ATTACHMENT 1

NARRATIVE

Consisting of 3 pages
Cover page not included

Sample Delivery Group	**WSCF20030588**
Sample Matrix	**Soil**
Sample Visual	**Brown**
SAF Number	**F03-006**
Data Deliverable	**Summary Report**

Introduction

Three (3) soil samples (B16W93, B16W94 and B16W95) from the GPP were received at the WSCF Laboratory on April 28, 2003. The sample was analyzed for those analytes indicated on the attached copy of the chain of custody (COC) form in accordance with the *Groundwater Protection Program- Letter of Instruction*, referenced in the cover letter.

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

Analytical Methodology for Requested Analyses

- PCB's by EPA SW-846 Method 8082. Analytical work was performed with no deviations to the approved method.
- ICP-MS Metals by EPA Method 200.8 and ICP-AES Metals by EPA SW-846 Method 6010A. Analytical work was performed with no deviations to the approved method.
- VOA's by EPA SW-846 Method 8260A. Analytical work was performed with no deviations to the approved method. The compound 1-Butanol requested under EPA SW-846 Method 8015 was reported under this 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. The compound 1-Butanol requested under this method was reported under EPA SW-846 Method 8260A.
- 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 (TA/TB, 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) 2-53 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) 2-36, 2-37, 2-38, 2-39, 2-40, 2-41, 2-42, 2-43 and 2-61 for QC details.

VOA's – The hold time(s) for this analysis was met. A Laboratory Control Sample, Matrix Spike and Matrix Spiked Duplicate were analyzed with each delivery group per the GPP Letter of Instruction. See page(s) 2-54, 2-55 and 2-56 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.

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) 2-57, 2-58, 2-59 and 2-60 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) 2-51 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) 2-52 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) 2-48 and 2-49 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) 2-35 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) 2-47 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) 2-44, 2-45, and 2-46 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-005

ATTACHMENT 2

ANALYTICAL RESULTS

Consisting of 61 pages
Cover page not included

WSCF
ANALYTICAL RESULTS REPORT

for

Ground Water Protection Program

Richland, WA 99352

Attention: Steve Trent

Analytical: _____

Client Services: _____

Contract#: F03-006
Report#: WSCF20030588
Report Date: 30-may-2003
Report W004/ver. 5.1
Ground Water Protection Program

WSCF
ANALYTICAL RESULTS REPORT

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

Group #: WSCF20030588

Sample #	Client ID		CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W030000236	B16W93	TRENT	7664-41-7	Ammonia (N) by IC	SOLID	LA-503-401	U	68.7	ug/g	50.00	0.20	04/30/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	57-12-5	Cyanide by Midi/Spectrophotom	SOLID	LA-695-402	U	< 0.190	mg/kg		0.19	05/20/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	TS	Percent Solids	SOLID	LA-519-412		94.3	%		0.0	05/30/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	PH	pH Soil and Waste Measurement	SOLID	LA-212-411		7.90	pH		0.010	05/20/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	540-51-2	2-Bromoethanol	SOLID	Organics		1.40e+04	ug/kg		5.0e+03	05/21/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	60-29-7	Diethyl ether	SOLID	Organics	U	< 5.00e+03	ug/kg		5.0e+03	05/21/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	107-21-1	Ethylene glycol	SOLID	Organics	U	< 5.00e+03	ug/kg		5.0e+03	05/21/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	67-56-1	Methanol	SOLID	Organics	U	< 1.00e+03	ug/kg		1.0e+03	05/21/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	14596-10-2	Am-241 by AEA	SOLID	LA-508-471	U	0.0290	pCi/g		0.052	05/15/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	E,T,C	Am-241 by AEA Total Cntg Error	SOLID	LA-508-471		110	%		0.0	05/15/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	24959-67-9	Bromide (Br) by IC	SOLID	LA-533-410	U	< 2.25	ug/g	50.00	2.2	05/20/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	16887-00-6	Chloride (Cl) by IC	SOLID	LA-533-410		13.8	ug/g	50.00	0.70	05/20/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	16984-48-8	Fluoride (F) by IC	SOLID	LA-533-410		1.06	ug/g	50.00	0.35	05/20/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	NO3-N	Nitrate (N) by IC	SOLID	LA-533-410		382	ug/g	5.10e+002	2.6	05/20/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	NO2-N	Nitrite (N) by IC	SOLID	LA-533-410		1.66	ug/g	50.00	0.45	05/20/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	14265-44-2	Phosphate (P) by IC	SOLID	LA-533-410	U	< 0.650	ug/g	50.00	0.65	05/20/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	14808-79-8	Sulfate (SO4) by IC	SOLID	LA-533-410		31.7	ug/g	50.00	1.2	05/20/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	E,T,C	Ac-228 Rel.% Count Error (GEA)	SOLID	LA-508-462		15.8	%		0.0	04/30/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	14331-83-0	Ac-228 by GEA	SOLID	LA-508-462		0.471	pCi/g		0.030	04/30/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	E,T,C	Am-241 Rel.% Count Error (GEA)	SOLID	LA-508-462		182	%		0.0	04/30/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	14596-10-2	Am-241 by GEA	SOLID	LA-508-462	U	-0.0276	pCi/g		0.080	04/30/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	E,T,C	Bi-212 Rel.% Count Error (GEA)	SOLID	LA-508-462		31.2	%		0.0	04/30/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	14913-49-6	Bi-212 by GEA	SOLID	LA-508-462		0.299	pCi/g		0.072	04/30/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	E,T,C	Bi-214 Rel.% Count Error (GEA)	SOLID	LA-508-462		14.2	%		0.0	04/30/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	14733-03-0	Bi-214 by GEA	SOLID	LA-508-462		0.394	pCi/g		0.019	04/30/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	E,T,C	Ce-144 Rel.% Count Error (GEA)	SOLID	LA-508-462		222	%		0.0	04/30/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	14762-78-8	Ce-144 by GEA	SOLID	LA-508-462	U	0.0237	pCi/g		0.079	04/30/03	04/28/03	04/28/03

MDL=Minimum Detection Limit
RQ=Result Qualifier

B - The analyte < the RDL but > = the IDL/MDL (inorganic)
J - Estimated Value
E - Analyte is an estimate, has potentially larger errors
U - Analyzed for but not detected above limiting criteria.

DF=Dilution Factor

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

WSCF
ANALYTICAL RESULTS REPORT

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

Group #: WSCF20030588

Sample #	Client ID		CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W030000236	B16W93	TRENT	E,T,C	Co-60 Rel.% Count Error (GEA)	SOLID	LA-508-462		1.00e+03	%		0.0	04/30/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	10198-40-0	Co-60 by GEA	SOLID	LA-508-462	U	4.35e-04	pCi/g		9.1e-03	04/30/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	E,T,C	Cs-134 Rel.% Count Error (GEA)	SOLID	LA-508-462		36.4	%		0.0	04/30/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	13967-70-9	Cs-134 by GEA	SOLID	LA-508-462	U	0.0217	pCi/g		0.012	04/30/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	E,T,C	Cs-137 Rel.% Count Error (GEA)	SOLID	LA-508-462		15.5	%		0.0	04/30/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	10045-97-3	Cs-137 by GEA	SOLID	LA-508-462		0.128	pCi/g		0.010	04/30/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	E,T,C	Eu-152 Rel.% Count Error (GEA)	SOLID	LA-508-462		124	%		0.0	04/30/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	14683-23-9	Eu-152 by GEA	SOLID	LA-508-462	U	0.0140	pCi/g		0.028	04/30/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	E,T,C	Eu-154 Rel.% Count Error (GEA)	SOLID	LA-508-462		1.00e+03	%		0.0	04/30/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	15585-10-1	Eu-154 by GEA	SOLID	LA-508-462	U	-1.24e-03	pCi/g		0.027	04/30/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	E,T,C	Eu-155 Rel.% Count Error (GEA)	SOLID	LA-508-462		85.7	%		0.0	04/30/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	14391-16-3	Eu-155 by GEA	SOLID	LA-508-462	U	0.0345	pCi/g		0.043	04/30/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	E,T,C	Nb-94 Rel.% Count Error (GEA)	SOLID	LA-508-462		103	%		0.0	04/30/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	14681-63-1	Nb-94 by GEA	SOLID	LA-508-462	U	6.02e-03	pCi/g		8.2e-03	04/30/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	E,T,C	Pb-212 Rel.% Count Error (GEA)	SOLID	LA-508-462		12.6	%		0.0	04/30/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	15092-94-1	Pb-212 by GEA	SOLID	LA-508-462		0.515	pCi/g		0.019	04/30/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	E,T,C	Pb-214 Rel.% Count Error (GEA)	SOLID	LA-508-462		15.0	%		0.0	04/30/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	15067-28-4	Pb-214 by GEA	SOLID	LA-508-462		0.441	pCi/g		0.022	04/30/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	E,T,C	Ra-226 Rel.% Count Error (GEA)	SOLID	LA-508-462		14.2	%		0.0	04/30/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	13982-63-3	Ra-226 by GEA	SOLID	LA-508-462		0.394	pCi/g		0.019	04/30/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	E,T,C	Ra-228 Rel.% Count Error (GEA)	SOLID	LA-508-462		15.8	%		0.0	04/30/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	15262-20-1	Ra-228 by GEA	SOLID	LA-508-462		0.471	pCi/g		0.030	04/30/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	E,T,C	Ru-103 Rel.% Count Error (GEA)	SOLID	LA-508-462		162	%		0.0	04/30/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	13968-53-1	Ru-103 by GEA	SOLID	LA-508-462	U	-3.33e-03	pCi/g		9.2e-03	04/30/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	E,T,C	Ru-106 Rel.% Count Error (GEA)	SOLID	LA-508-462		986	%		0.0	04/30/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	13967-48-1	Ru-106 by GEA	SOLID	LA-508-462	U	-4.78e-03	pCi/g		0.081	04/30/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	E,T,C	Sb-125 Rel.% Count Error (GEA)	SOLID	LA-508-462		72.7	%		0.0	04/30/03	04/28/03	04/28/03

MDL=Minimum Detection Limit
RQ=Result Qualifier

B - The analyte < the RDL but > = the IDL/MDL (inorganic)
J - Estimated Value
E - Analyte is an estimate, has potentially larger errors
U - Analyzed for but not detected above limiting criteria.

DF=Dilution Factor

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

WSCF
ANALYTICAL RESULTS REPORT

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

Group #: WSCF20030588

Sample #	Client ID		CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W030000236	B16W93	TRENT	14234-35-6	Sb-125 by GEA	SOLID	LA-508-462	U	0.0283	pCi/g		0.028	04/30/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	E,T,C	Sn-113 Rel.% Count Error (GEA)	SOLID	LA-508-462		203	%		0.0	04/30/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	13966-06-8	Sn-113 by GEA	SOLID	LA-508-462	U	-3.82e-03	pCi/g		0.012	04/30/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	E,T,C	Sn-126 Rel.% Count Error (GEA)	SOLID	LA-508-462		23.4	%		0.0	04/30/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	15832-50-5	Sn-126 by GEA	SOLID	LA-508-462	U	0.118	pCi/g		0.12	04/30/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	E,T,C	Th-234 Rel.% Count Error (GEA)	SOLID	LA-508-462		214	%		0.0	04/30/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	15065-10-8	Th-234 by GEA	SOLID	LA-508-462	U	0.188	pCi/g		0.65	04/30/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	E,T,C	Tl-208 Rel.% Count Error (GEA)	SOLID	LA-508-462		14.6	%		0.0	04/30/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	14913-50-9	Tl-208 by GEA	SOLID	LA-508-462		0.158	pCi/g		9.3e-03	04/30/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	E,T,C	U-235 Rel.% Count Error (GEA)	SOLID	LA-508-462		33.0	%		0.0	04/30/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	15117-96-1	U-235 by GEA	SOLID	LA-508-462	U	0.0432	pCi/g		0.083	04/30/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	E,T,C	Zn-65 Rel.% Count Error (GEA)	SOLID	LA-508-462		295	%		0.0	04/30/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	13982-39-3	Zn-65 by GEA	SOLID	LA-508-462	U	4.51e-03	pCi/g		0.020	04/30/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	7440-69-9	Bismuth by ICP	SOLID	LA-505-411	U	< 9.24	ug/g	92.40	9.2	05/28/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	7440-50-8	Boron by ICP	SOLID	LA-505-411	U	< 9.425	ug/g	92.40	9.425	05/28/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	7429-90-5	Aluminum by ICP-MS	SOLID	LA-505-412	E	8.66e+03	ug/g	4.92	54	05/08/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	7440-36-0	Antimony by ICP-MS	SOLID	LA-505-412	U	< 2.46	ug/g	4.92	2.5	05/08/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	7440-38-2	Arsenic by ICP-MS	SOLID	LA-505-412		1.56	ug/g	4.92	1.5	05/08/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	7440-39-3	Barium by ICP-MS	SOLID	LA-505-412		114	ug/g	4.92	0.98	05/08/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	7440-41-7	Beryllium by ICP-MS	SOLID	LA-505-412	U	< 1.48	ug/g	4.92	1.5	05/08/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	7440-43-9	Cadmium by ICP-MS	SOLID	LA-505-412	U	< 0.492	ug/g	4.92	0.49	05/08/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	7440-47-3	Chromium by ICP-MS	SOLID	LA-505-412		8.85	ug/g	4.92	1.5	05/08/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	7440-48-4	Cobalt by ICP-MS	SOLID	LA-505-412		12.6	ug/g	4.92	0.98	05/08/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	7440-50-8	Copper by ICP-MS	SOLID	LA-505-412		14.7	ug/g	4.92	2.5	05/08/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	7439-92-1	Lead by ICP-MS	SOLID	LA-505-412	U	< 5.90	ug/g	4.92	5.9	05/08/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	7439-96-5	Manganese by ICP-MS	SOLID	LA-505-412		547	ug/g	4.92	1.5	05/08/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	7439-97-6	Mercury by ICP-MS	SOLID	LA-505-412	U	< 0.492	ug/g	4.92	0.49	05/08/03	04/28/03	04/28/03

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WSCF
ANALYTICAL RESULTS REPORT

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

Group #: WSCF20030588

Sample #	Client ID		CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W030000236	B16W93	TRENT	7439-98-7	Molybdenum by ICP-MS	SOLID	LA-505-412	U	< 1.48	ug/g	4.92	1.5	05/08/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	7440-02-0	Nickel by ICP-MS	SOLID	LA-505-412		13.0	ug/g	4.92	2.5	05/08/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	7782-49-2	Selenium by ICP-MS	SOLID	LA-505-412	U	< 1.48	ug/g	4.92	1.5	05/08/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	7440-22-4	Silver by ICP-MS	SOLID	LA-505-412	U	< 0.984	ug/g	4.92	0.98	05/08/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	7440-28-0	Thallium by ICP-MS	SOLID	LA-505-412		0.883	ug/g	4.92	0.49	05/08/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	7440-29-1	Thorium by ICP-MS	SOLID	LA-505-412		2.53	ug/g	4.92	0.98	05/08/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	7440-61-1	Uranium by ICP-MS	SOLID	LA-505-412	U	< 0.492	ug/g	4.92	0.49	05/08/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	7440-62-2	Vanadium by ICP-MS	SOLID	LA-505-412		82.7	ug/g	4.92	2.0	05/08/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	7440-66-6	Zinc by ICP-MS	SOLID	LA-505-412		56.7	ug/g	4.92	20	05/08/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	TPH-G	Total Pet. Hydrocarbons Gas	SOLID	NWTPH	U	< 100	ug/kg		1.0e+02	05/07/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	12674-11-2	Aroclor-1016	SOLID	LA-523-427	U	< 50.0	ug/kg	1.00	50	05/21/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	11104-28-2	Aroclor-1221	SOLID	LA-523-427	U	< 50.0	ug/kg	1.00	50	05/21/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	11141-16-5	Aroclor-1232	SOLID	LA-523-427	U	< 50.0	ug/kg	1.00	50	05/21/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	53469-21-9	Aroclor-1242	SOLID	LA-523-427	U	< 50.0	ug/kg	1.00	50	05/21/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	12672-29-6	Aroclor-1248	SOLID	LA-523-427	U	< 50.0	ug/kg	1.00	50	05/21/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	11097-69-1	Aroclor-1254	SOLID	LA-523-427	U	< 50.0	ug/kg	1.00	50	05/21/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	11096-82-5	Aroclor-1260	SOLID	LA-523-427	U	< 50.0	ug/kg	1.00	50	05/21/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	37324-23-5	Aroclor-1262	SOLID	LA-523-427	U	< 50.0	ug/kg	1.00	50	05/21/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	11100-14-4	Aroclor-1268	SOLID	LA-523-427	U	< 50.0	ug/kg	1.00	50	05/21/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	13981-16-3	Pu-238 by AEA	SOLID	LA-508-471	U	-0.0350	pCi/g		0.065	05/15/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	E,T,C	Pu-238 by AEA Total Cntg Error	SOLID	LA-508-471		100	%		0.0	05/15/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	E,T,C	Pu-239/240 AEA Total Cntg Err	SOLID	LA-508-471		450	%		0.0	05/15/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	PU-239/240	Pu-239/240 by AEA	SOLID	LA-508-471	U	-2.00e-03	pCi/g		0.021	05/15/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	120-82-1	1,2,4-Trichlorobenzene	SOLID	LA-523-456	U	< 310	ug/kg	1.00	3.1e+02	05/20/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	95-50-1	1,2-Dichlorobenzene (SV)	SOLID	LA-523-456	U	< 380	ug/kg	1.00	3.8e+02	05/20/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	541-73-1	1,3-Dichlorobenzene	SOLID	LA-523-456	U	< 340	ug/kg	1.00	3.4e+02	05/20/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	106-46-7	1,4-Dichlorobenzene (SV)	SOLID	LA-523-456	U	< 330	ug/kg	1.00	3.3e+02	05/20/03	04/28/03	04/28/03

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WSCF
ANALYTICAL RESULTS REPORT

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

Group #: WSCF20030588

Sample #	Client ID		CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W030000236	B16W93	TRENT	95-95-4	2,4,5-Trichlorophenol	SOLID	LA-523-456	U	< 77.0	ug/kg	1.00	77	05/20/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	88-06-2	2,4,6-Trichlorophenol	SOLID	LA-523-456	U	< 70.0	ug/kg	1.00	70	05/20/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	120-83-2	2,4-Dichlorophenol	SOLID	LA-523-456	U	< 84.0	ug/kg	1.00	84	05/20/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	105-67-9	2,4-Dimethylphenol	SOLID	LA-523-456	U	< 70.0	ug/kg	1.00	70	05/20/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	51-28-5	2,4-Dinitrophenol	SOLID	LA-523-456	U	< 700	ug/kg	1.00	7.0e+02	05/20/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	121-14-2	2,4-Dinitrotoluene	SOLID	LA-523-456	U	< 70.0	ug/kg	1.00	70	05/20/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	606-20-2	2,6-Dinitrotoluene	SOLID	LA-523-456	U	< 70.0	ug/kg	1.00	70	05/20/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	111-76-2	2-Butoxyethanol	SOLID	LA-523-456	U	< 110	ug/kg	1.00	1.1e+02	05/20/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	91-58-7	2-Chloronaphthalene	SOLID	LA-523-456	U	< 84.0	ug/kg	1.00	84	05/20/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	95-57-8	2-Chlorophenol	SOLID	LA-523-456	U	< 150	ug/kg	1.00	1.5e+02	05/20/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	91-57-6	2-Methylnaphthalene	SOLID	LA-523-456	U	< 190	ug/kg	1.00	1.9e+02	05/20/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	95-48-7	2-Methylphenol	SOLID	LA-523-456	U	< 70.0	ug/kg	1.00	70	05/20/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	88-74-4	2-Nitroaniline	SOLID	LA-523-456	U	< 70.0	ug/kg	1.00	70	05/20/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	88-75-5	2-Nitrophenol	SOLID	LA-523-456	U	< 180	ug/kg	1.00	1.8e+02	05/20/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	108-39-4	3 & 4 Methylphenol Total	SOLID	LA-523-456	U	< 120	ug/kg	1.00	1.2e+02	05/20/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	91-94-1	3,3'-Dichlorobenzidine	SOLID	LA-523-456	U	< 84.0	ug/kg	1.00	84	05/20/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	99-09-2	3-Nitroaniline	SOLID	LA-523-456	U	< 70.0	ug/kg	1.00	70	05/20/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	534-52-1	4,6-Dinitro-2-methylphenol	SOLID	LA-523-456	U	< 700	ug/kg	1.00	7.0e+02	05/20/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	101-55-3	4-Bromophenyl-phenylether	SOLID	LA-523-456	U	< 70.0	ug/kg	1.00	70	05/20/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	59-50-7	4-Chloro-3-methylphenol	SOLID	LA-523-456	U	< 70.0	ug/kg	1.00	70	05/20/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	106-47-8	4-Chloroaniline	SOLID	LA-523-456	U	< 98.0	ug/kg	1.00	98	05/20/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	7005-72-3	4-Chlorophenyl-phenylether	SOLID	LA-523-456	U	< 70.0	ug/kg	1.00	70	05/20/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	100-01-6	4-Nitroaniline	SOLID	LA-523-456	U	< 260	ug/kg	1.00	2.6e+02	05/20/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	100-02-7	4-Nitrophenol	SOLID	LA-523-456	U	< 680	ug/kg	1.00	6.8e+02	05/20/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	83-32-9	Acenaphthene	SOLID	LA-523-456	U	< 70.0	ug/kg	1.00	70	05/20/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	208-96-8	Acenaphthylene	SOLID	LA-523-456	U	< 84.0	ug/kg	1.00	84	05/20/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	120-12-7	Anthracene	SOLID	LA-523-456	U	< 70.0	ug/kg	1.00	70	05/20/03	04/28/03	04/28/03

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WSCF
ANALYTICAL RESULTS REPORT

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

Group #: WSCF20030588

Sample #	Client ID		CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W030000236	B16W93	TRENT	56-55-3	Benzo(a)anthracene	SOLID	LA-523-456	U	< 70.0	ug/kg	1.00	70	05/20/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	50-32-8	Benzo(a)pyrene	SOLID	LA-523-456	U	< 70.0	ug/kg	1.00	70	05/20/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	205-99-2	Benzo(b)fluoranthene	SOLID	LA-523-456	U	< 70.0	ug/kg	1.00	70	05/20/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	191-24-2	Benzo(g,h,i)perylene	SOLID	LA-523-456	U	< 70.0	ug/kg	1.00	70	05/20/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	207-08-9	Benzo(k)fluoranthene	SOLID	LA-523-456	U	< 70.0	ug/kg	1.00	70	05/20/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	100-51-6	Benzyl alcohol	SOLID	LA-523-456	U	< 77.0	ug/kg	1.00	77	05/20/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	117-81-7	Bis (2-Ethylhexyl) phthalate	SOLID	LA-523-456	U	< 590	ug/kg	1.00	5.9e+02	05/20/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	108-60-1	Bis(2-Chloro-1-methylene)	SOLID	LA-523-456	U	< 270	ug/kg	1.00	2.7e+02	05/20/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	85-68-7	Butylbenzylphthalate	SOLID	LA-523-456	U	< 70.0	ug/kg	1.00	70	05/20/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	86-74-8	Carbazole	SOLID	LA-523-456	U	< 84.0	ug/kg	1.00	84	05/20/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	218-01-9	Chrysene	SOLID	LA-523-456	U	< 70.0	ug/kg	1.00	70	05/20/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	84-74-2	Di-n-butylphthalate	SOLID	LA-523-456	U	< 91.0	ug/kg	1.00	91	05/20/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	117-84-0	Di-n-octylphthalate	SOLID	LA-523-456	U	< 70.0	ug/kg	1.00	70	05/20/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	53-70-3	Dibenz(a,h)anthracene	SOLID	LA-523-456	U	< 70.0	ug/kg	1.00	70	05/20/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	132-64-9	Dibenzofuran	SOLID	LA-523-456	U	< 70.0	ug/kg	1.00	70	05/20/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	84-66-2	Diethylphthalate	SOLID	LA-523-456	BJ	650	ug/kg	1.00	2.0e+02	05/20/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	131-11-3	Dimethylphthalate	SOLID	LA-523-456	U	< 70.0	ug/kg	1.00	70	05/20/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	206-44-0	Fluoranthene	SOLID	LA-523-456	U	< 70.0	ug/kg	1.00	70	05/20/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	86-73-7	Fluorene	SOLID	LA-523-456	U	< 70.0	ug/kg	1.00	70	05/20/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	118-74-1	Hexachlorobenzene	SOLID	LA-523-456	U	< 70.0	ug/kg	1.00	70	05/20/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	87-68-3	Hexachlorobutadiene	SOLID	LA-523-456	U	< 390	ug/kg	1.00	3.9e+02	05/20/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	77-47-4	Hexachlorocyclopentadiene	SOLID	LA-523-456	U	< 330	ug/kg	1.00	3.3e+02	05/20/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	67-72-1	Hexachloroethane	SOLID	LA-523-456	U	< 490	ug/kg	1.00	4.9e+02	05/20/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	193-39-5	Indeno(1,2,3-cd)pyrene	SOLID	LA-523-456	U	< 70.0	ug/kg	1.00	70	05/20/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	78-59-1	Isophorone	SOLID	LA-523-456	U	< 70.0	ug/kg	1.00	70	05/20/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	621-64-7	N-Nitroso-di-n-propylamine	SOLID	LA-523-456	U	< 70.0	ug/kg	1.00	70	05/20/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	86-30-6	N-Nitrosodiphenylamine	SOLID	LA-523-456	U	< 70.0	ug/kg	1.00	70	05/20/03	04/28/03	04/28/03

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WSCF
ANALYTICAL RESULTS REPORT

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

Group #: WSCF20030588

Sample #	Client ID		CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W030000236	B16W93	TRENT	91-20-3	Naphthalene	SOLID	LA-523-456	U	< 300	ug/kg	1.00	3.0e+02	05/20/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	98-95-3	Nitrobenzene	SOLID	LA-523-456	U	< 270	ug/kg	1.00	2.7e+02	05/20/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	87-86-5	Pentachlorophenol	SOLID	LA-523-456	U	< 320	ug/kg	1.00	3.2e+02	05/20/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	85-01-8	Phenanthrene	SOLID	LA-523-456	U	< 70.0	ug/kg	1.00	70	05/20/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	108-95-2	Phenol	SOLID	LA-523-456	U	< 110	ug/kg	1.00	1.1e+02	05/20/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	129-00-0	Pyrene	SOLID	LA-523-456	U	< 70.0	ug/kg	1.00	70	05/20/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	126-73-8	Tri-n-butylphosphate	SOLID	LA-523-456	U	< 70.0	ug/kg	1.00	70	05/20/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	111-44-4	bis(-2-Chloroethyl)Eth	SOLID	LA-523-456	U	< 260	ug/kg	1.00	2.6e+02	05/20/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	111-91-1	bis(2-Chloroethoxy)methane	SOLID	LA-523-456	U	< 120	ug/kg	1.00	1.2e+02	05/20/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	13966-29-5	U-234 by AEA	SOLID	LA-508-471		0.170	pCi/g		0.024	05/12/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	E,T,C	U-234 by AEA Total Cntg Error	SOLID	LA-508-471		28.0	%		0.0	05/12/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	15117-96-1	U-235 by AEA	SOLID	LA-508-471		0.0120	pCi/g		5.4e-03	05/12/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	E,T,C	U-235 by AEA Total Cntg Error	SOLID	LA-508-471		84.0	%		0.0	05/12/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	24678-82-8	U-238 by AEA	SOLID	LA-508-471		0.180	pCi/g		4.9e-03	05/12/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	E,T,C	U-238 by AEA Total Cntg Error	SOLID	LA-508-471		27.0	%		0.10	05/12/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	71-55-6	1,1,1-Trichloroethane	SOLID	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	05/07/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	79-34-5	1,1,2,2-Tetrachloroethane	SOLID	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	05/07/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	79-00-5	1,1,2-Trichloroethane	SOLID	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	05/07/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	75-34-3	1,1-Dichloroethane	SOLID	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	05/07/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	75-35-4	1,1-Dichloroethene	SOLID	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	05/07/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	107-06-2	1,2-Dichloroethane	SOLID	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	05/07/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	540-59-0	1,2-Dichloroethene (cis & tran	SOLID	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	05/07/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	78-87-5	1,2-Dichloropropane	SOLID	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	05/07/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	71-36-3	1-Butanol	SOLID	LA-523-455	U	< 21.0	ug/kg	1.00	21	05/07/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	78-93-3	2-Butanone	SOLID	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	05/07/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	591-78-6	2-Hexanone	SOLID	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	05/07/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	107-87-9	2-Pentanone	SOLID	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	05/07/03	04/28/03	04/28/03

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WSCF
ANALYTICAL RESULTS REPORT

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

Group #: WSCF20030588

Sample #	Client ID		CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W030000236	B16W93	TRENT	108-10-1	4-Methyl-2-pentanone	SOLID	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	05/07/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	67-64-1	Acetone	SOLID	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	05/07/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	71-43-2	Benzene	SOLID	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	05/07/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	75-27-4	Bromodichloromethane	SOLID	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	05/07/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	75-25-2	Bromoform	SOLID	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	05/07/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	74-83-9	Bromomethane	SOLID	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	05/07/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	75-15-0	Carbon Disulfide	SOLID	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	05/07/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	56-23-5	Carbon Tetrachloride	SOLID	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	05/07/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	108-90-7	Chlorobenzene	SOLID	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	05/07/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	75-00-3	Chloroethane	SOLID	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	05/07/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	67-66-3	Chloroform	SOLID	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	05/07/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	74-87-3	Chloromethane	SOLID	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	05/07/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	124-48-1	Dibromochloromethane	SOLID	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	05/07/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	100-41-4	Ethylbenzene	SOLID	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	05/07/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	75-09-2	Methylene Chloride	SOLID	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	05/07/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	100-42-5	Styrene	SOLID	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	05/07/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	127-18-4	Tetrachloroethene	SOLID	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	05/07/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	108-88-3	Toluene	SOLID	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	05/07/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	1330-20-7	Total Xylenes	SOLID	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	05/07/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	79-01-6	Trichloroethene	SOLID	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	05/07/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	75-01-4	Vinyl Chloride	SOLID	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	05/07/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	10061-01-5	cis-1,3-Dichloropropene	SOLID	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	05/07/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	104-51-8	n-Butylbenzene	SOLID	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	05/07/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	10061-02-6	trans-1,3-Dichloropropene	SOLID	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	05/07/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	8008-20-6	Kerosene	SOLID	NWTPH	U	< 4.20e+03	ug/kg	1.00	4.2e+03	05/21/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	68476-34-6	Total Pet. Hydrocarbons Diesel	SOLID	NWTPH	U	< 4.20e+03	ug/kg	1.00	4.2e+03	05/21/03	04/28/03	04/28/03
W030000236	B16W93	TRENT	84-15-1	ortho-Terphenyl	SOLID	NWTPH		1.50e+04	ug/kg	1.00	2.1e+02	05/21/03	04/28/03	04/28/03

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WSCF
ANALYTICAL RESULTS REPORT

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

Group #: WSCF20030588

Sample #	Client ID		CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W030000239	B16W94	TRENT	7664-41-7	Ammonia (N) by IC	SOLID	LA-503-401	U	< 0.200	ug/g	50.00	0.20	04/30/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	57-12-5	Cyanide by Midi/Spectrophotom	SOLID	LA-695-402	U	< 0.200	mg/kg		0.20	05/20/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	TS	Percent Solids	SOLID	LA-519-412		96.3	%		0.0	05/30/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	PH	pH Soil and Waste Measurement	SOLID	LA-212-411		8.17	pH		0.010	05/20/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	540-51-2	2-Bromoethanol	SOLID	Organics		1.40e+04	ug/kg		5.0e+03	05/21/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	60-29-7	Diethyl ether	SOLID	Organics	U	< 5.00e+03	ug/kg		5.0e+03	05/21/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	107-21-1	Ethylene glycol	SOLID	Organics	U	< 5.00e+03	ug/kg		5.0e+03	05/21/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	67-56-1	Methanol	SOLID	Organics	U	< 1.00e+03	ug/kg		1.0e+03	05/21/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	14596-10-2	Am-241 by AEA	SOLID	LA-508-471	U	0.0380	pCi/g		0.041	05/15/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	E,T,C	Am-241 by AEA Total Cntg Error	SOLID	LA-508-471		74.0	%		0.0	05/15/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	24959-67-9	Bromide (Br) by IC	SOLID	LA-533-410	U	< 2.25	ug/g	50.00	2.2	05/20/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	16887-00-6	Chloride (Cl) by IC	SOLID	LA-533-410		1.29	ug/g	50.00	0.70	05/20/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	16984-48-8	Fluoride (F) by IC	SOLID	LA-533-410		1.15	ug/g	50.00	0.35	05/20/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	NO3-N	Nitrate (N) by IC	SOLID	LA-533-410		134	ug/g	5.10e+002	2.6	05/20/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	NO2-N	Nitrite (N) by IC	SOLID	LA-533-410	U	< 0.450	ug/g	50.00	0.45	05/20/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	14265-44-2	Phosphate (P) by IC	SOLID	LA-533-410	U	< 0.650	ug/g	50.00	0.65	05/20/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	14808-79-8	Sulfate (SO4) by IC	SOLID	LA-533-410		2.54	ug/g	50.00	1.2	05/20/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	E,T,C	Ac-228 Rel.% Count Error (GEA)	SOLID	LA-508-462		15.6	%		0.0	05/01/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	14331-83-0	Ac-228 by GEA	SOLID	LA-508-462		0.487	pCi/g		0.027	05/01/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	E,T,C	Am-241 Rel.% Count Error (GEA)	SOLID	LA-508-462		115	%		0.0	05/01/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	14596-10-2	Am-241 by GEA	SOLID	LA-508-462	U	0.0431	pCi/g		0.073	05/01/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	E,T,C	Bi-212 Rel.% Count Error (GEA)	SOLID	LA-508-462		23.9	%		0.0	05/01/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	14913-49-6	Bi-212 by GEA	SOLID	LA-508-462		0.325	pCi/g		0.067	05/01/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	E,T,C	Bi-214 Rel.% Count Error (GEA)	SOLID	LA-508-462		14.1	%		0.0	05/01/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	14733-03-0	Bi-214 by GEA	SOLID	LA-508-462		0.387	pCi/g		0.016	05/01/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	E,T,C	Ce-144 Rel.% Count Error (GEA)	SOLID	LA-508-462		120	%		0.0	05/01/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	14762-78-8	Ce-144 by GEA	SOLID	LA-508-462	U	-0.0426	pCi/g		0.074	05/01/03	04/28/03	04/28/03

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WSCF
ANALYTICAL RESULTS REPORT

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

Group #: WSCF20030588

Sample #	Client ID		CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W030000239	B16W94	TRENT	E,T,C	Co-60 Rel.% Count Error (GEA)	SOLID	LA-508-462		332	%		0.0	05/01/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	10198-40-0	Co-60 by GEA	SOLID	LA-508-462	U	1.64e-03	pCi/g		8.4e-03	05/01/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	E,T,C	Cs-134 Rel.% Count Error (GEA)	SOLID	LA-508-462		31.7	%		0.0	05/01/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	13967-70-9	Cs-134 by GEA	SOLID	LA-508-462	U	0.0323	pCi/g		0.012	05/01/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	E,T,C	Cs-137 Rel.% Count Error (GEA)	SOLID	LA-508-462		68.4	%		0.0	05/01/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	10045-97-3	Cs-137 by GEA	SOLID	LA-508-462		0.0106	pCi/g		9.2e-03	05/01/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	E,T,C	Eu-152 Rel.% Count Error (GEA)	SOLID	LA-508-462		224	%		0.0	05/01/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	14683-23-9	Eu-152 by GEA	SOLID	LA-508-462	U	-8.52e-03	pCi/g		0.027	05/01/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	E,T,C	Eu-154 Rel.% Count Error (GEA)	SOLID	LA-508-462		765	%		0.0	05/01/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	15585-10-1	Eu-154 by GEA	SOLID	LA-508-462	U	-1.97e-03	pCi/g		0.026	05/01/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	E,T,C	Eu-155 Rel.% Count Error (GEA)	SOLID	LA-508-462		66.0	%		0.0	05/01/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	14391-16-3	Eu-155 by GEA	SOLID	LA-508-462		0.0473	pCi/g		0.040	05/01/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	E,T,C	Nb-94 Rel.% Count Error (GEA)	SOLID	LA-508-462		501	%		0.0	05/01/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	14681-63-1	Nb-94 by GEA	SOLID	LA-508-462	U	9.64e-04	pCi/g		8.3e-03	05/01/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	E,T,C	Pb-212 Rel.% Count Error (GEA)	SOLID	LA-508-462		12.6	%		0.0	05/01/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	15092-94-1	Pb-212 by GEA	SOLID	LA-508-462		0.503	pCi/g		0.018	05/01/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	E,T,C	Pb-214 Rel.% Count Error (GEA)	SOLID	LA-508-462		15.4	%		0.0	05/01/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	15067-28-4	Pb-214 by GEA	SOLID	LA-508-462		0.408	pCi/g		0.019	05/01/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	E,T,C	Ra-226 Rel.% Count Error (GEA)	SOLID	LA-508-462		14.1	%		0.0	05/01/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	13982-63-3	Ra-226 by GEA	SOLID	LA-508-462		0.387	pCi/g		0.016	05/01/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	E,T,C	Ra-228 Rel.% Count Error (GEA)	SOLID	LA-508-462		15.6	%		0.0	05/01/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	15262-20-1	Ra-228 by GEA	SOLID	LA-508-462		0.487	pCi/g		0.027	05/01/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	E,T,C	Ru-103 Rel.% Count Error (GEA)	SOLID	LA-508-462		294	%		0.0	05/01/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	13968-53-1	Ru-103 by GEA	SOLID	LA-508-462	U	1.78e-03	pCi/g		9.1e-03	05/01/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	E,T,C	Ru-106 Rel.% Count Error (GEA)	SOLID	LA-508-462		1.00e+03	%		0.0	05/01/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	13967-48-1	Ru-106 by GEA	SOLID	LA-508-462	U	2.86e-03	pCi/g		0.076	05/01/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	E,T,C	Sb-125 Rel.% Count Error (GEA)	SOLID	LA-508-462		117	%		0.0	05/01/03	04/28/03	04/28/03

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WSCF
ANALYTICAL RESULTS REPORT

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

Group #: WSCF20030588

Sample #	Client ID		CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W030000239	B16W94	TRENT	14234-35-6	Sb-125 by GEA	SOLID	LA-508-462	U	0.0128	pCi/g		0.025	05/01/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	E,T,C	Sn-113 Rel.% Count Error (GEA)	SOLID	LA-508-462		281	%		0.0	05/01/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	13966-06-8	Sn-113 by GEA	SOLID	LA-508-462	U	-2.51e-03	pCi/g		0.012	05/01/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	E,T,C	Sn-126 Rel.% Count Error (GEA)	SOLID	LA-508-462		26.6	%		0.0	05/01/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	15832-50-5	Sn-126 by GEA	SOLID	LA-508-462	U	0.117	pCi/g		0.12	05/01/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	E,T,C	Th-234 Rel.% Count Error (GEA)	SOLID	LA-508-462		81.8	%		0.0	05/01/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	15065-10-8	Th-234 by GEA	SOLID	LA-508-462	U	0.560	pCi/g		0.60*	05/01/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	E,T,C	Tl-208 Rel.% Count Error (GEA)	SOLID	LA-508-462		14.4	%		0.0	05/01/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	14913-50-9	Tl-208 by GEA	SOLID	LA-508-462		0.149	pCi/g		8.9e-03	05/01/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	E,T,C	U-235 Rel.% Count Error (GEA)	SOLID	LA-508-462		93.0	%		0.0	05/01/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	15117-96-1	U-235 by GEA	SOLID	LA-508-462	U	0.0555	pCi/g		0.078	05/01/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	E,T,C	Zn-65 Rel.% Count Error (GEA)	SOLID	LA-508-462		237	%		0.0	05/01/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	13982-39-3	Zn-65 by GEA	SOLID	LA-508-462	U	-5.52e-03	pCi/g		0.018	05/01/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	7440-69-9	Bismuth by ICP	SOLID	LA-505-411	U	< 9.55	ug/g	95.49	9.5	05/28/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	7440-50-8	Boron by ICP	SOLID	LA-505-411	U	< 9.740	ug/g	95.49	9.740	05/28/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	7429-90-5	Aluminum by ICP-MS	SOLID	LA-505-412	E	6.39e+03	ug/g	4.80	53	05/08/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	7440-36-0	Antimony by ICP-MS	SOLID	LA-505-412	U	< 2.40	ug/g	4.80	2.4	05/08/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	7440-38-2	Arsenic by ICP-MS	SOLID	LA-505-412	U	< 1.44	ug/g	4.80	1.4	05/08/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	7440-39-3	Barium by ICP-MS	SOLID	LA-505-412		83.8	ug/g	4.80	0.96	05/08/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	7440-41-7	Beryllium by ICP-MS	SOLID	LA-505-412	U	< 1.44	ug/g	4.80	1.4	05/08/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	7440-43-9	Cadmium by ICP-MS	SOLID	LA-505-412	U	< 0.480	ug/g	4.80	0.48	05/08/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	7440-47-3	Chromium by ICP-MS	SOLID	LA-505-412		7.55	ug/g	4.80	1.4	05/08/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	7440-48-4	Cobalt by ICP-MS	SOLID	LA-505-412		11.5	ug/g	4.80	0.96	05/08/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	7440-50-8	Copper by ICP-MS	SOLID	LA-505-412		14.4	ug/g	4.80	2.4	05/08/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	7439-92-1	Lead by ICP-MS	SOLID	LA-505-412	U	< 5.76	ug/g	4.80	5.8	05/08/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	7439-96-5	Manganese by ICP-MS	SOLID	LA-505-412		435	ug/g	4.80	1.4	05/08/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	7439-97-6	Mercury by ICP-MS	SOLID	LA-505-412	U	< 0.480	ug/g	4.80	0.48	05/08/03	04/28/03	04/28/03

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WSCF
ANALYTICAL RESULTS REPORT

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

Group #: WSCF20030588

Sample #	Client ID		CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W030000239	B16W94	TRENT	7439-98-7	Molybdenum by ICP-MS	SOLID	LA-505-412		1.58	ug/g	4.80	1.4	05/08/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	7440-02-0	Nickel by ICP-MS	SOLID	LA-505-412		14.2	ug/g	4.80	2.4	05/08/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	7782-49-2	Selenium by ICP-MS	SOLID	LA-505-412	U	< 1.44	ug/g	4.80	1.4	05/08/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	7440-22-4	Silver by ICP-MS	SOLID	LA-505-412		1.55	ug/g	4.80	0.96	05/08/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	7440-28-0	Thallium by ICP-MS	SOLID	LA-505-412		1.31	ug/g	4.80	0.48	05/08/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	7440-29-1	Thorium by ICP-MS	SOLID	LA-505-412		2.35	ug/g	4.80	0.96	05/08/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	7440-61-1	Uranium by ICP-MS	SOLID	LA-505-412	U	< 0.480	ug/g	4.80	0.48	05/08/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	7440-62-2	Vanadium by ICP-MS	SOLID	LA-505-412		110	ug/g	4.80	1.9	05/08/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	7440-66-6	Zinc by ICP-MS	SOLID	LA-505-412		64.3	ug/g	4.80	19	05/08/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	TPH-G	Total Pet. Hydrocarbons Gas	SOLID	NWTPH	U	< 100	ug/kg		1.0e+02	05/07/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	12674-11-2	Aroclor-1016	SOLID	LA-523-427	U	< 49.0	ug/kg	1.00	49	05/21/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	11104-28-2	Aroclor-1221	SOLID	LA-523-427	U	< 49.0	ug/kg	1.00	49	05/21/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	11141-16-5	Aroclor-1232	SOLID	LA-523-427	U	< 49.0	ug/kg	1.00	49	05/21/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	53469-21-9	Aroclor-1242	SOLID	LA-523-427	U	< 49.0	ug/kg	1.00	49	05/21/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	12672-29-6	Aroclor-1248	SOLID	LA-523-427	U	< 49.0	ug/kg	1.00	49	05/21/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	11097-69-1	Aroclor-1254	SOLID	LA-523-427	U	< 49.0	ug/kg	1.00	49	05/21/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	11096-82-5	Aroclor-1260	SOLID	LA-523-427	U	< 49.0	ug/kg	1.00	49	05/21/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	37324-23-5	Aroclor-1262	SOLID	LA-523-427	U	< 49.0	ug/kg	1.00	49	05/21/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	11100-14-4	Aroclor-1268	SOLID	LA-523-427	U	< 49.0	ug/kg	1.00	49	05/21/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	13981-16-3	Pu-238 by AEA	SOLID	LA-508-471	U	-0.0150	pCi/g		0.050	05/15/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	E,T,C	Pu-238 by AEA Total Cntg Error	SOLID	LA-508-471		170	%		0.0	05/15/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	E,T,C	Pu-239/240 AEA Total Cntg Err	SOLID	LA-508-471		280	%		0.0	05/15/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	PU-239/240	Pu-239/240 by AEA	SOLID	LA-508-471	U	3.70e-03	pCi/g		0.020	05/15/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	120-82-1	1,2,4-Trichlorobenzene	SOLID	LA-523-456	U	< 300	ug/kg	1.00	3.0e+02	05/20/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	95-50-1	1,2-Dichlorobenzene (SV)	SOLID	LA-523-456	U	< 370	ug/kg	1.00	3.7e+02	05/20/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	541-73-1	1,3-Dichlorobenzene	SOLID	LA-523-456	U	< 330	ug/kg	1.00	3.3e+02	05/20/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	106-46-7	1,4-Dichlorobenzene (SV)	SOLID	LA-523-456	U	< 320	ug/kg	1.00	3.2e+02	05/20/03	04/28/03	04/28/03

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WSCF
ANALYTICAL RESULTS REPORT

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

Group #: WSCF20030588

Sample #	Client ID		CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W030000239	B16W94	TRENT	95-95-4	2,4,5-Trichlorophenol	SOLID	LA-523-456	U	< 76.0	ug/kg	1.00	76	05/20/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	88-06-2	2,4,6-Trichlorophenol	SOLID	LA-523-456	U	< 69.0	ug/kg	1.00	69	05/20/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	120-83-2	2,4-Dichlorophenol	SOLID	LA-523-456	U	< 83.0	ug/kg	1.00	83	05/20/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	105-67-9	2,4-Dimethylphenol	SOLID	LA-523-456	U	< 69.0	ug/kg	1.00	69	05/20/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	51-28-5	2,4-Dinitrophenol	SOLID	LA-523-456	U	< 690	ug/kg	1.00	6.9e+02	05/20/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	121-14-2	2,4-Dinitrotoluene	SOLID	LA-523-456	U	< 69.0	ug/kg	1.00	69	05/20/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	606-20-2	2,6-Dinitrotoluene	SOLID	LA-523-456	U	< 69.0	ug/kg	1.00	69	05/20/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	111-76-2	2-Butoxyethanol	SOLID	LA-523-456	U	< 100	ug/kg	1.00	1.0e+02	05/20/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	91-58-7	2-Chloronaphthalene	SOLID	LA-523-456	U	< 83.0	ug/kg	1.00	83	05/20/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	95-57-8	2-Chlorophenol	SOLID	LA-523-456	U	< 150	ug/kg	1.00	1.5e+02	05/20/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	91-57-6	2-Methylnaphthalene	SOLID	LA-523-456	U	< 190	ug/kg	1.00	1.9e+02	05/20/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	95-48-7	2-Methylphenol	SOLID	LA-523-456	U	< 69.0	ug/kg	1.00	69	05/20/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	88-74-4	2-Nitroaniline	SOLID	LA-523-456	U	< 69.0	ug/kg	1.00	69	05/20/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	88-75-5	2-Nitrophenol	SOLID	LA-523-456	U	< 180	ug/kg	1.00	1.8e+02	05/20/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	108-39-4	3 & 4 Methylphenol Total	SOLID	LA-523-456	U	< 120	ug/kg	1.00	1.2e+02	05/20/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	91-94-1	3,3'-Dichlorobenzidine	SOLID	LA-523-456	U	< 83.0	ug/kg	1.00	83	05/20/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	99-09-2	3-Nitroaniline	SOLID	LA-523-456	U	< 69.0	ug/kg	1.00	69	05/20/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	534-52-1	4,6-Dinitro-2-methylphenol	SOLID	LA-523-456	U	< 690	ug/kg	1.00	6.9e+02	05/20/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	101-55-3	4-Bromophenyl-phenylether	SOLID	LA-523-456	U	< 69.0	ug/kg	1.00	69	05/20/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	59-50-7	4-Chloro-3-methylphenol	SOLID	LA-523-456	U	< 69.0	ug/kg	1.00	69	05/20/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	106-47-8	4-Chloroaniline	SOLID	LA-523-456	U	< 96.0	ug/kg	1.00	96	05/20/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	7005-72-3	4-Chlorophenyl-phenylether	SOLID	LA-523-456	U	< 69.0	ug/kg	1.00	69	05/20/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	100-01-6	4-Nitroaniline	SOLID	LA-523-456	U	< 250	ug/kg	1.00	2.5e+02	05/20/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	100-02-7	4-Nitrophenol	SOLID	LA-523-456	U	< 670	ug/kg	1.00	6.7e+02	05/20/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	83-32-9	Acenaphthene	SOLID	LA-523-456	U	< 69.0	ug/kg	1.00	69	05/20/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	208-96-8	Acenaphthylene	SOLID	LA-523-456	U	< 83.0	ug/kg	1.00	83	05/20/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	120-12-7	Anthracene	SOLID	LA-523-456	U	< 69.0	ug/kg	1.00	69	05/20/03	04/28/03	04/28/03

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WSCF
ANALYTICAL RESULTS REPORT

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

Group #: WSCF20030588

Sample #	Client ID		CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W030000239	B16W94	TRENT	56-55-3	Benzo(a)anthracene	SOLID	LA-523-456	U	< 69.0	ug/kg	1.00	69	05/20/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	50-32-8	Benzo(a)pyrene	SOLID	LA-523-456	U	< 69.0	ug/kg	1.00	69	05/20/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	205-99-2	Benzo(b)fluoranthene	SOLID	LA-523-456	U	< 69.0	ug/kg	1.00	69	05/20/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	191-24-2	Benzo(g,h,i)perylene	SOLID	LA-523-456	U	< 69.0	ug/kg	1.00	69	05/20/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	207-08-9	Benzo(k)fluoranthene	SOLID	LA-523-456	U	< 69.0	ug/kg	1.00	69	05/20/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	100-51-6	Benzyl alcohol	SOLID	LA-523-456	U	< 76.0	ug/kg	1.00	76	05/20/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	117-81-7	Bis (2-Ethylhexyl) phthalate	SOLID	LA-523-456		2.10e+03	ug/kg	1.00	5.8e+02	05/20/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	108-60-1	Bis(2-Chloro-1-methylene)	SOLID	LA-523-456	U	< 260	ug/kg	1.00	2.6e+02	05/20/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	85-68-7	Butylbenzylphthalate	SOLID	LA-523-456	U	< 69.0	ug/kg	1.00	69	05/20/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	86-74-8	Carbazole	SOLID	LA-523-456	U	< 83.0	ug/kg	1.00	83	05/20/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	218-01-9	Chrysene	SOLID	LA-523-456	U	< 69.0	ug/kg	1.00	69	05/20/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	84-74-2	Di-n-butylphthalate	SOLID	LA-523-456	U	< 90.0	ug/kg	1.00	90	05/20/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	117-84-0	Di-n-octylphthalate	SOLID	LA-523-456	U	< 69.0	ug/kg	1.00	69	05/20/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	53-70-3	Dibenz(a,h)anthracene	SOLID	LA-523-456	U	< 69.0	ug/kg	1.00	69	05/20/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	132-64-9	Dibenzofuran	SOLID	LA-523-456	U	< 69.0	ug/kg	1.00	69	05/20/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	84-66-2	Diethylphthalate	SOLID	LA-523-456	BJ	510	ug/kg	1.00	1.9e+02	05/20/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	131-11-3	Dimethylphthalate	SOLID	LA-523-456	U	< 69.0	ug/kg	1.00	69	05/20/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	206-44-0	Fluoranthene	SOLID	LA-523-456	U	< 69.0	ug/kg	1.00	69	05/20/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	86-73-7	Fluorene	SOLID	LA-523-456	U	< 69.0	ug/kg	1.00	69	05/20/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	118-74-1	Hexachlorobenzene	SOLID	LA-523-456	U	< 69.0	ug/kg	1.00	69	05/20/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	87-68-3	Hexachlorobutadiene	SOLID	LA-523-456	U	< 380	ug/kg	1.00	3.8e+02	05/20/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	77-47-4	Hexachlorocyclopentadiene	SOLID	LA-523-456	U	< 320	ug/kg	1.00	3.2e+02	05/20/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	67-72-1	Hexachloroethane	SOLID	LA-523-456	U	< 480	ug/kg	1.00	4.8e+02	05/20/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	193-39-5	Indeno(1,2,3-cd)pyrene	SOLID	LA-523-456	U	< 69.0	ug/kg	1.00	69	05/20/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	78-59-1	Isophorone	SOLID	LA-523-456	U	< 69.0	ug/kg	1.00	69	05/20/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	621-64-7	N-Nitroso-di-n-propylamine	SOLID	LA-523-456	U	< 69.0	ug/kg	1.00	69	05/20/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	86-30-6	N-Nitrosodiphenylamine	SOLID	LA-523-456	U	< 69.0	ug/kg	1.00	69	05/20/03	04/28/03	04/28/03

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WSCF
ANALYTICAL RESULTS REPORT

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

Group #: WSCF20030588

Sample #	Client ID		CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W030000239	B16W94	TRENT	91-20-3	Naphthalene	SOLID	LA-523-456	U	< 300	ug/kg	1.00	3.0e+02	05/20/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	98-95-3	Nitrobenzene	SOLID	LA-523-456	U	< 270	ug/kg	1.00	2.7e+02	05/20/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	87-86-5	Pentachlorophenol	SOLID	LA-523-456	U	< 310	ug/kg	1.00	3.1e+02	05/20/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	85-01-8	Phenanthrene	SOLID	LA-523-456	U	< 69.0	ug/kg	1.00	69	05/20/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	108-95-2	Phenol	SOLID	LA-523-456	U	< 100	ug/kg	1.00	1.0e+02	05/20/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	129-00-0	Pyrene	SOLID	LA-523-456	U	< 69.0	ug/kg	1.00	69	05/20/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	126-73-8	Tri-n-butylphosphate	SOLID	LA-523-456	U	< 69.0	ug/kg	1.00	69	05/20/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	111-44-4	bis(-2-Chloroethyl)Eth	SOLID	LA-523-456	U	< 250	ug/kg	1.00	2.5e+02	05/20/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	111-91-1	bis(2-Chloroethoxy)methane	SOLID	LA-523-456	U	< 120	ug/kg	1.00	1.2e+02	05/20/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	13966-29-5	U-234 by AEA	SOLID	LA-508-471		0.120	pCi/g		0.028	05/12/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	E.T.C	U-234 by AEA Total Cntg Error	SOLID	LA-508-471		34.0	%		0.0	05/12/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	15117-96-1	U-235 by AEA	SOLID	LA-508-471	U	0.0110	pCi/g		0.016	05/12/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	E.T.C	U-235 by AEA Total Cntg Error	SOLID	LA-508-471		110	%		0.0	05/12/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	24678-82-8	U-238 by AEA	SOLID	LA-508-471		0.130	pCi/g		0.015	05/12/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	E.T.C	U-238 by AEA Total Cntg Error	SOLID	LA-508-471		32.0	%		0.10	05/12/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	71-55-6	1,1,1-Trichloroethane	SOLID	LA-523-455	U	< 2.00	ug/kg	1.00	2.0	05/07/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	79-34-5	1,1,2,2-Tetrachloroethane	SOLID	LA-523-455	U	< 2.00	ug/kg	1.00	2.0	05/07/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	79-00-5	1,1,2-Trichloroethane	SOLID	LA-523-455	U	< 2.00	ug/kg	1.00	2.0	05/07/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	75-34-3	1,1-Dichloroethane	SOLID	LA-523-455	U	< 2.00	ug/kg	1.00	2.0	05/07/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	75-35-4	1,1-Dichloroethene	SOLID	LA-523-455	U	< 2.00	ug/kg	1.00	2.0	05/07/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	107-06-2	1,2-Dichloroethane	SOLID	LA-523-455	U	< 2.00	ug/kg	1.00	2.0	05/07/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	540-59-0	1,2-Dichloroethene (cis & tran	SOLID	LA-523-455	U	< 2.00	ug/kg	1.00	2.0	05/07/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	78-87-5	1,2-Dichloropropane	SOLID	LA-523-455	U	< 2.00	ug/kg	1.00	2.0	05/07/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	71-36-3	1-Butanol	SOLID	LA-523-455	U	< 20.0	ug/kg	1.00	20	05/07/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	78-93-3	2-Butanone	SOLID	LA-523-455	U	< 2.00	ug/kg	1.00	2.0	05/07/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	591-78-6	2-Hexanone	SOLID	LA-523-455	U	< 2.00	ug/kg	1.00	2.0	05/07/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	107-87-9	2-Pentanone	SOLID	LA-523-455	U	< 2.00	ug/kg	1.00	2.0	05/07/03	04/28/03	04/28/03

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WSCF
ANALYTICAL RESULTS REPORT

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

Group #: WSCF20030588

Sample #	Client ID		CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W030000239	B16W94	TRENT	108-10-1	4-Methyl-2-pentanone	SOLID	LA-523-455	U	< 2.00	ug/kg	1.00	2.0	05/07/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	67-64-1	Acetone	SOLID	LA-523-455	U	< 2.00	ug/kg	1.00	2.0	05/07/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	71-43-2	Benzene	SOLID	LA-523-455	U	< 2.00	ug/kg	1.00	2.0	05/07/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	75-27-4	Bromodichloromethane	SOLID	LA-523-455	U	< 2.00	ug/kg	1.00	2.0	05/07/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	75-25-2	Bromoform	SOLID	LA-523-455	U	< 2.00	ug/kg	1.00	2.0	05/07/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	74-83-9	Bromomethane	SOLID	LA-523-455	U	< 2.00	ug/kg	1.00	2.0	05/07/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	75-15-0	Carbon Disulfide	SOLID	LA-523-455	U	< 2.00	ug/kg	1.00	2.0	05/07/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	56-23-5	Carbon Tetrachloride	SOLID	LA-523-455	U	< 2.00	ug/kg	1.00	2.0	05/07/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	108-90-7	Chlorobenzene	SOLID	LA-523-455	U	< 2.00	ug/kg	1.00	2.0	05/07/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	75-00-3	Chloroethane	SOLID	LA-523-455	U	< 2.00	ug/kg	1.00	2.0	05/07/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	67-66-3	Chloroform	SOLID	LA-523-455	U	< 2.00	ug/kg	1.00	2.0	05/07/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	74-87-3	Chloromethane	SOLID	LA-523-455	U	< 2.00	ug/kg	1.00	2.0	05/07/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	124-48-1	Dibromochloromethane	SOLID	LA-523-455	U	< 2.00	ug/kg	1.00	2.0	05/07/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	100-41-4	Ethylbenzene	SOLID	LA-523-455	U	< 2.00	ug/kg	1.00	2.0	05/07/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	75-09-2	Methylene Chloride	SOLID	LA-523-455	U	< 2.00	ug/kg	1.00	2.0	05/07/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	100-42-5	Styrene	SOLID	LA-523-455	U	< 2.00	ug/kg	1.00	2.0	05/07/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	127-18-4	Tetrachloroethene	SOLID	LA-523-455	U	< 2.00	ug/kg	1.00	2.0	05/07/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	108-88-3	Toluene	SOLID	LA-523-455	U	< 2.00	ug/kg	1.00	2.0	05/07/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	1330-20-7	Total Xylenes	SOLID	LA-523-455	U	< 2.00	ug/kg	1.00	2.0	05/07/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	79-01-6	Trichloroethene	SOLID	LA-523-455	U	< 2.00	ug/kg	1.00	2.0	05/07/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	75-01-4	Vinyl Chloride	SOLID	LA-523-455	U	< 2.00	ug/kg	1.00	2.0	05/07/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	10061-01-5	cis-1,3-Dichloropropene	SOLID	LA-523-455	U	< 2.00	ug/kg	1.00	2.0	05/07/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	104-51-8	n-Butylbenzene	SOLID	LA-523-455	U	< 2.00	ug/kg	1.00	2.0	05/07/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	10061-02-6	trans-1,3-Dichloropropene	SOLID	LA-523-455	U	< 2.00	ug/kg	1.00	2.0	05/07/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	8008-20-6	Kerosene	SOLID	NWTPH	U	< 4.10e+03	ug/kg	1.00	4.1e+03	05/21/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	68476-34-6	Total Pet. Hydrocarbons Diesel	SOLID	NWTPH	U	< 4.10e+03	ug/kg	1.00	4.1e+03	05/21/03	04/28/03	04/28/03
W030000239	B16W94	TRENT	84-15-1	ortho-Terphenyl	SOLID	NWTPH		1.90e+04	ug/kg	1.00	2.1e+02	05/21/03	04/28/03	04/28/03

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WSCF
ANALYTICAL RESULTS REPORT

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

Group #: WSCF20030588

Sample #	Client ID		CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W030000240	B16W95	TRENT	7664-41-7	Ammonia (N) by IC	SOLID	LA-503-401		0.288	ug/g	50.00	0.20	04/30/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	57-12-5	Cyanide by Midi/Spectrophotom	SOLID	LA-695-402	U	< 0.190	mg/kg		0.19	05/20/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	TS	Percent Solids	SOLID	LA-519-412		96.2	%		0.0	05/30/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	PH	pH Soil and Waste Measurement	SOLID	LA-212-411		8.16	pH		0.010	05/20/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	540-51-2	2-Bromoethanol	SOLID	Organics		1.20e+04	ug/kg		5.0e+03	05/21/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	60-29-7	Diethyl ether	SOLID	Organics	U	< 5.00e+03	ug/kg		5.0e+03	05/21/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	107-21-1	Ethylene glycol	SOLID	Organics	U	< 5.00e+03	ug/kg		5.0e+03	05/21/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	67-56-1	Methanol	SOLID	Organics	U	< 1.00e+03	ug/kg		1.0e+03	05/21/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	14596-10-2	Am-241 by AEA	SOLID	LA-508-471	U	0.0120	pCi/g		0.039	05/15/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	E,T,C	Am-241 by AEA Total Cntg Error	SOLID	LA-508-471		190	%		0.0	05/15/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	24959-67-9	Bromide (Br) by IC	SOLID	LA-533-410	U	< 2.25	ug/g	50.00	2.2	05/20/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	16887-00-6	Chloride (Cl) by IC	SOLID	LA-533-410		1.34	ug/g	50.00	0.70	05/20/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	16984-48-8	Fluoride (F) by IC	SOLID	LA-533-410		1.22	ug/g	50.00	0.35	05/20/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	NO3-N	Nitrate (N) by IC	SOLID	LA-533-410		2.65	ug/g	10.00	0.050	05/20/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	NO2-N	Nitrite (N) by IC	SOLID	LA-533-410	U	< 0.450	ug/g	50.00	0.45	05/20/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	14265-44-2	Phosphate (P) by IC	SOLID	LA-533-410	U	< 0.650	ug/g	50.00	0.65	05/20/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	14808-79-8	Sulfate (SO4) by IC	SOLID	LA-533-410		2.49	ug/g	50.00	1.2	05/20/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	E,T,C	Ac-228 Rel.% Count Error (GEA)	SOLID	LA-508-462		15.8	%		0.0	05/01/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	14331-83-0	Ac-228 by GEA	SOLID	LA-508-462		0.499	pCi/g		0.028	05/01/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	E,T,C	Am-241 Rel.% Count Error (GEA)	SOLID	LA-508-462		652	%		0.0	05/01/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	14596-10-2	Am-241 by GEA	SOLID	LA-508-462	U	-6.89e-03	pCi/g		0.072	05/01/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	E,T,C	Bi-212 Rel.% Count Error (GEA)	SOLID	LA-508-462		22.9	%		0.0	05/01/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	14913-49-6	Bi-212 by GEA	SOLID	LA-508-462		0.336	pCi/g		0.063	05/01/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	E,T,C	Bi-214 Rel.% Count Error (GEA)	SOLID	LA-508-462		14.4	%		0.0	05/01/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	14733-03-0	Bi-214 by GEA	SOLID	LA-508-462		0.351	pCi/g		0.017	05/01/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	E,T,C	Ce-144 Rel.% Count Error (GEA)	SOLID	LA-508-462		366	%		0.0	05/01/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	14762-78-8	Ce-144 by GEA	SOLID	LA-508-462	U	-0.0134	pCi/g		0.073	05/01/03	04/28/03	04/28/03

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WSCF
ANALYTICAL RESULTS REPORT

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

Group #: WSCF20030588

Sample #	Client ID		CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W030000240	B16W95	TRENT	E,T,C	Co-60 Rel.% Count Error (GEA)	SOLID	LA-508-462		721	%		0.0	05/01/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	10198-40-0	Co-60 by GEA	SOLID	LA-508-462	U	6.73e-04	pCi/g		8.5e-03	05/01/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	E,T,C	Cs-134 Rel.% Count Error (GEA)	SOLID	LA-508-462		37.7	%		0.0	05/01/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	13967-70-9	Cs-134 by GEA	SOLID	LA-508-462	U	0.0295	pCi/g		0.012	05/01/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	E,T,C	Cs-137 Rel.% Count Error (GEA)	SOLID	LA-508-462		110	%		0.0	05/01/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	10045-97-3	Cs-137 by GEA	SOLID	LA-508-462	U	5.01e-03	pCi/g		9.6e-03	05/01/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	E,T,C	Eu-152 Rel.% Count Error (GEA)	SOLID	LA-508-462		100	%		0.0	05/01/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	14683-23-9	Eu-152 by GEA	SOLID	LA-508-462	U	-0.0217	pCi/g		0.026	05/01/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	E,T,C	Eu-154 Rel.% Count Error (GEA)	SOLID	LA-508-462		100	%		0.0	05/01/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	15585-10-1	Eu-154 by GEA	SOLID	LA-508-462	U	-0.0151	pCi/g		0.024	05/01/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	E,T,C	Eu-155 Rel.% Count Error (GEA)	SOLID	LA-508-462		113	%		0.0	05/01/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	14391-16-3	Eu-155 by GEA	SOLID	LA-508-462	U	0.0210	pCi/g		0.041	05/01/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	E,T,C	Nb-94 Rel.% Count Error (GEA)	SOLID	LA-508-462		1.00e+03	%		0.0	05/01/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	14681-63-1	Nb-94 by GEA	SOLID	LA-508-462	U	-3.89e-04	pCi/g		7.9e-03	05/01/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	E,T,C	Pb-212 Rel.% Count Error (GEA)	SOLID	LA-508-462		12.6	%		0.0	05/01/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	15092-94-1	Pb-212 by GEA	SOLID	LA-508-462		0.491	pCi/g		0.018	05/01/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	E,T,C	Pb-214 Rel.% Count Error (GEA)	SOLID	LA-508-462		15.4	%		0.0	05/01/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	15067-28-4	Pb-214 by GEA	SOLID	LA-508-462		0.404	pCi/g		0.019	05/01/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	E,T,C	Ra-226 Rel.% Count Error (GEA)	SOLID	LA-508-462		14.4	%		0.0	05/01/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	13982-63-3	Ra-226 by GEA	SOLID	LA-508-462		0.351	pCi/g		0.017	05/01/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	E,T,C	Ra-228 Rel.% Count Error (GEA)	SOLID	LA-508-462		15.8	%		0.0	05/01/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	15262-20-1	Ra-228 by GEA	SOLID	LA-508-462		0.499	pCi/g		0.028	05/01/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	E,T,C	Ru-103 Rel.% Count Error (GEA)	SOLID	LA-508-462		303	%		0.0	05/01/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	13968-53-1	Ru-103 by GEA	SOLID	LA-508-462	U	1.56e-03	pCi/g		8.3e-03	05/01/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	E,T,C	Ru-106 Rel.% Count Error (GEA)	SOLID	LA-508-462		326	%		0.0	05/01/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	13967-48-1	Ru-106 by GEA	SOLID	LA-508-462	U	-0.0133	pCi/g		0.074	05/01/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	E,T,C	Sb-125 Rel.% Count Error (GEA)	SOLID	LA-508-462		191	%		0.0	05/01/03	04/28/03	04/28/03

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WSCF
ANALYTICAL RESULTS REPORT

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

Group #: WSCF20030588

Sample #	Client ID		CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W030000240	B16W95	TRENT	14234-35-6	Sb-125 by GEA	SOLID	LA-508-462	U	7.61e-03	pCi/g		0.024	05/01/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	E,T,C	Sn-113 Rel.% Count Error (GEA)	SOLID	LA-508-462		1.00e+03	%		0.0	05/01/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	13966-06-8	Sn-113 by GEA	SOLID	LA-508-462	U	5.29e-05	pCi/g		0.011	05/01/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	E,T,C	Sn-126 Rel.% Count Error (GEA)	SOLID	LA-508-462		21.2	%		0.0	05/01/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	15832-50-5	Sn-126 by GEA	SOLID	LA-508-462	U	0.131	pCi/g		0.13	05/01/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	E,T,C	Th-234 Rel.% Count Error (GEA)	SOLID	LA-508-462		943	%		0.0	05/01/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	15065-10-8	Th-234 by GEA	SOLID	LA-508-462	U	0.0382	pCi/g		0.58	05/01/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	E,T,C	Tl-208 Rel.% Count Error (GEA)	SOLID	LA-508-462		14.2	%		0.0	05/01/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	14913-50-9	Tl-208 by GEA	SOLID	LA-508-462		0.152	pCi/g		8.2e-03	05/01/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	E,T,C	U-235 Rel.% Count Error (GEA)	SOLID	LA-508-462		28.8	%		0.0	05/01/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	15117-96-1	U-235 by GEA	SOLID	LA-508-462	U	0.0519	pCi/g		0.076	05/01/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	E,T,C	Zn-65 Rel.% Count Error (GEA)	SOLID	LA-508-462		380	%		0.0	05/01/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	13982-39-3	Zn-65 by GEA	SOLID	LA-508-462	U	-3.54e-03	pCi/g		0.019	05/01/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	7440-69-9	Bismuth by ICP	SOLID	LA-505-411	U	< 9.63	ug/g	96.30	9.6	05/28/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	7440-50-8	Boron by ICP	SOLID	LA-505-411	U	< 9.820	ug/g	96.30	9.823	05/28/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	7429-90-5	Aluminum by ICP-MS	SOLID	LA-505-412	E	6.97e+03	ug/g	4.92	54	05/08/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	7440-36-0	Antimony by ICP-MS	SOLID	LA-505-412	U	< 2.46	ug/g	4.92	2.5	05/08/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	7440-38-2	Arsenic by ICP-MS	SOLID	LA-505-412		3.72	ug/g	4.92	1.5	05/08/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	7440-39-3	Barium by ICP-MS	SOLID	LA-505-412		114	ug/g	4.92	0.98	05/08/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	7440-41-7	Beryllium by ICP-MS	SOLID	LA-505-412	U	< 1.48	ug/g	4.92	1.5	05/08/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	7440-43-9	Cadmium by ICP-MS	SOLID	LA-505-412	U	< 0.492	ug/g	4.92	0.49	05/08/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	7440-47-3	Chromium by ICP-MS	SOLID	LA-505-412		6.07	ug/g	4.92	1.5	05/08/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	7440-48-4	Cobalt by ICP-MS	SOLID	LA-505-412		13.1	ug/g	4.92	0.98	05/08/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	7440-50-8	Copper by ICP-MS	SOLID	LA-505-412		14.2	ug/g	4.92	2.5	05/08/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	7439-92-1	Lead by ICP-MS	SOLID	LA-505-412	U	< 5.90	ug/g	4.92	5.9	05/08/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	7439-96-5	Manganese by ICP-MS	SOLID	LA-505-412		548	ug/g	4.92	1.5	05/08/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	7439-97-6	Mercury by ICP-MS	SOLID	LA-505-412	U	< 0.492	ug/g	4.92	0.49	05/08/03	04/28/03	04/28/03

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WSCF
ANALYTICAL RESULTS REPORT

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

Group #: WSCF20030588

Sample #	Client ID		CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W030000240	B16W95	TRENT	7439-98-7	Molybdenum by ICP-MS	SOLID	LA-505-412	U	< 1.48	ug/g	4.92	1.5	05/08/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	7440-02-0	Nickel by ICP-MS	SOLID	LA-505-412		9.62	ug/g	4.92	2.5	05/08/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	7782-49-2	Selenium by ICP-MS	SOLID	LA-505-412	U	< 1.48	ug/g	4.92	1.5	05/08/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	7440-22-4	Silver by ICP-MS	SOLID	LA-505-412	U	< 0.984	ug/g	4.92	0.98	05/08/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	7440-28-0	Thallium by ICP-MS	SOLID	LA-505-412	U	< 0.492	ug/g	4.92	0.49	05/08/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	7440-29-1	Thorium by ICP-MS	SOLID	LA-505-412		2.31	ug/g	4.92	0.98	05/08/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	7440-61-1	Uranium by ICP-MS	SOLID	LA-505-412	U	< 0.492	ug/g	4.92	0.49	05/08/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	7440-62-2	Vanadium by ICP-MS	SOLID	LA-505-412		110	ug/g	4.92	2.0	05/08/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	7440-66-6	Zinc by ICP-MS	SOLID	LA-505-412		66.3	ug/g	4.92	20	05/08/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	TPH-G	Total Pet. Hydrocarbons Gas	SOLID	NWTPH	U	< 100	ug/kg		1.0e+02	05/07/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	12674-11-2	Aroclor-1016	SOLID	LA-523-427	U	< 48.0	ug/kg	1.00	48	05/21/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	11104-28-2	Aroclor-1221	SOLID	LA-523-427	U	< 48.0	ug/kg	1.00	48	05/21/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	11141-16-5	Aroclor-1232	SOLID	LA-523-427	U	< 48.0	ug/kg	1.00	48	05/21/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	53469-21-9	Aroclor-1242	SOLID	LA-523-427	U	< 48.0	ug/kg	1.00	48	05/21/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	12672-29-6	Aroclor-1248	SOLID	LA-523-427	U	< 48.0	ug/kg	1.00	48	05/21/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	11097-69-1	Aroclor-1254	SOLID	LA-523-427	U	< 48.0	ug/kg	1.00	48	05/21/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	11096-82-5	Aroclor-1260	SOLID	LA-523-427	U	< 48.0	ug/kg	1.00	48	05/21/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	37324-23-5	Aroclor-1262	SOLID	LA-523-427	U	< 48.0	ug/kg	1.00	48	05/21/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	11100-14-4	Aroclor-1268	SOLID	LA-523-427	U	< 48.0	ug/kg	1.00	48	05/21/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	13981-16-3	Pu-238 by AEA	SOLID	LA-508-471	U	-3.60e-03	pCi/g		0.033	05/19/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	E,T,C	Pu-238 by AEA Total Cntg Error	SOLID	LA-508-471		450	%		0.0	05/19/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	E,T,C	Pu-239/240 AEA Total Cntg Err	SOLID	LA-508-471		140	%		0.0	05/19/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	PU-239/240	Pu-239/240 by AEA	SOLID	LA-508-471	U	3.60e-03	pCi/g		4.9e-03	05/19/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	120-82-1	1,2,4-Trichlorobenzene	SOLID	LA-523-456	U	< 300	ug/kg	1.00	3.0e+02	05/20/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	95-50-1	1,2-Dichlorobenzene (SV)	SOLID	LA-523-456	U	< 370	ug/kg	1.00	3.7e+02	05/20/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	541-73-1	1,3-Dichlorobenzene	SOLID	LA-523-456	U	< 330	ug/kg	1.00	3.3e+02	05/20/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	106-46-7	1,4-Dichlorobenzene (SV)	SOLID	LA-523-456	U	< 320	ug/kg	1.00	3.2e+02	05/20/03	04/28/03	04/28/03

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WSCF
ANALYTICAL RESULTS REPORT

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

Group #: WSCF20030588

Sample #	Client ID		CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W030000240	B16W95	TRENT	95-95-4	2,4,5-Trichlorophenol	SOLID	LA-523-456	U	< 76.0	ug/kg	1.00	76	05/20/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	88-06-2	2,4,6-Trichlorophenol	SOLID	LA-523-456	U	< 69.0	ug/kg	1.00	69	05/20/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	120-83-2	2,4-Dichlorophenol	SOLID	LA-523-456	U	< 83.0	ug/kg	1.00	83	05/20/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	105-67-9	2,4-Dimethylphenol	SOLID	LA-523-456	U	< 69.0	ug/kg	1.00	69	05/20/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	51-28-5	2,4-Dinitrophenol	SOLID	LA-523-456	U	< 690	ug/kg	1.00	6.9e+02	05/20/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	121-14-2	2,4-Dinitrotoluene	SOLID	LA-523-456	U	< 69.0	ug/kg	1.00	69	05/20/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	606-20-2	2,6-Dinitrotoluene	SOLID	LA-523-456	U	< 69.0	ug/kg	1.00	69	05/20/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	111-76-2	2-Butoxyethanol	SOLID	LA-523-456	U	< 100	ug/kg	1.00	1.0e+02	05/20/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	91-58-7	2-Chloronaphthalene	SOLID	LA-523-456	U	< 83.0	ug/kg	1.00	83	05/20/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	95-57-8	2-Chlorophenol	SOLID	LA-523-456	U	< 150	ug/kg	1.00	1.5e+02	05/20/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	91-57-6	2-Methylnaphthalene	SOLID	LA-523-456	U	< 190	ug/kg	1.00	1.9e+02	05/20/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	95-48-7	2-Methylphenol	SOLID	LA-523-456	U	< 69.0	ug/kg	1.00	69	05/20/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	88-74-4	2-Nitroaniline	SOLID	LA-523-456	U	< 69.0	ug/kg	1.00	69	05/20/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	88-75-5	2-Nitrophenol	SOLID	LA-523-456	U	< 180	ug/kg	1.00	1.8e+02	05/20/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	108-39-4	3 & 4 Methylphenol Total	SOLID	LA-523-456	U	< 120	ug/kg	1.00	1.2e+02	05/20/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	91-94-1	3,3'-Dichlorobenzidine	SOLID	LA-523-456	U	< 83.0	ug/kg	1.00	83	05/20/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	99-09-2	3-Nitroaniline	SOLID	LA-523-456	U	< 69.0	ug/kg	1.00	69	05/20/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	534-52-1	4,6-Dinitro-2-methylphenol	SOLID	LA-523-456	U	< 690	ug/kg	1.00	6.9e+02	05/20/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	101-55-3	4-Bromophenyl-phenylether	SOLID	LA-523-456	U	< 69.0	ug/kg	1.00	69	05/20/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	59-50-7	4-Chloro-3-methylphenol	SOLID	LA-523-456	U	< 69.0	ug/kg	1.00	69	05/20/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	106-47-8	4-Chloroaniline	SOLID	LA-523-456	U	< 96.0	ug/kg	1.00	96	05/20/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	7005-72-3	4-Chlorophenyl-phenylether	SOLID	LA-523-456	U	< 69.0	ug/kg	1.00	69	05/20/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	100-01-6	4-Nitroaniline	SOLID	LA-523-456	U	< 250	ug/kg	1.00	2.5e+02	05/20/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	100-02-7	4-Nitrophenol	SOLID	LA-523-456	U	< 670	ug/kg	1.00	6.7e+02	05/20/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	83-32-9	Acenaphthene	SOLID	LA-523-456	U	< 69.0	ug/kg	1.00	69	05/20/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	208-96-8	Acenaphthylene	SOLID	LA-523-456	U	< 83.0	ug/kg	1.00	83	05/20/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	120-12-7	Anthracene	SOLID	LA-523-456	U	< 69.0	ug/kg	1.00	69	05/20/03	04/28/03	04/28/03

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WSCF
ANALYTICAL RESULTS REPORT

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

Group #: WSCF20030588

Sample #	Client ID		CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W030000240	B16W95	TRENT	56-55-3	Benzo(a)anthracene	SOLID	LA-523-456	U	< 69.0	ug/kg	1.00	69	05/20/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	50-32-8	Benzo(a)pyrene	SOLID	LA-523-456	U	< 69.0	ug/kg	1.00	69	05/20/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	205-99-2	Benzo(b)fluoranthene	SOLID	LA-523-456	U	< 69.0	ug/kg	1.00	69	05/20/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	191-24-2	Benzo(g,h,i)perylene	SOLID	LA-523-456	U	< 69.0	ug/kg	1.00	69	05/20/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	207-08-9	Benzo(k)fluoranthene	SOLID	LA-523-456	U	< 69.0	ug/kg	1.00	69	05/20/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	100-51-6	Benzyl alcohol	SOLID	LA-523-456	U	< 76.0	ug/kg	1.00	76	05/20/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	117-81-7	Bis (2-Ethylhexyl) phthalate	SOLID	LA-523-456	U	< 580	ug/kg	1.00	5.8e+02	05/20/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	108-60-1	Bis(2-Chloro-1-methylene)	SOLID	LA-523-456	U	< 260	ug/kg	1.00	2.6e+02	05/20/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	85-68-7	Butylbenzylphthalate	SOLID	LA-523-456	U	< 69.0	ug/kg	1.00	69	05/20/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	86-74-8	Carbazole	SOLID	LA-523-456	U	< 83.0	ug/kg	1.00	83	05/20/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	218-01-9	Chrysene	SOLID	LA-523-456	U	< 69.0	ug/kg	1.00	69	05/20/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	84-74-2	Di-n-butylphthalate	SOLID	LA-523-456	U	< 89.0	ug/kg	1.00	89	05/20/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	117-84-0	Di-n-octylphthalate	SOLID	LA-523-456	U	< 69.0	ug/kg	1.00	69	05/20/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	53-70-3	Dibenz(a,h)anthracene	SOLID	LA-523-456	U	< 69.0	ug/kg	1.00	69	05/20/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	132-64-9	Dibenzofuran	SOLID	LA-523-456	U	< 69.0	ug/kg	1.00	69	05/20/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	84-66-2	Diethylphthalate	SOLID	LA-523-456	U	< 190	ug/kg	1.00	1.9e+02	05/20/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	131-11-3	Dimethylphthalate	SOLID	LA-523-456	U	< 69.0	ug/kg	1.00	69	05/20/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	206-44-0	Fluoranthene	SOLID	LA-523-456	U	< 69.0	ug/kg	1.00	69	05/20/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	86-73-7	Fluorene	SOLID	LA-523-456	U	< 69.0	ug/kg	1.00	69	05/20/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	118-74-1	Hexachlorobenzene	SOLID	LA-523-456	U	< 69.0	ug/kg	1.00	69	05/20/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	87-68-3	Hexachlorobutadiene	SOLID	LA-523-456	U	< 380	ug/kg	1.00	3.8e+02	05/20/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	77-47-4	Hexachlorocyclopentadiene	SOLID	LA-523-456	U	< 320	ug/kg	1.00	3.2e+02	05/20/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	67-72-1	Hexachloroethane	SOLID	LA-523-456	U	< 480	ug/kg	1.00	4.8e+02	05/20/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	193-39-5	Indeno(1,2,3-cd)pyrene	SOLID	LA-523-456	U	< 69.0	ug/kg	1.00	69	05/20/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	78-59-1	Isophorone	SOLID	LA-523-456	U	< 69.0	ug/kg	1.00	69	05/20/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	621-64-7	N-Nitroso-di-n-propylamine	SOLID	LA-523-456	U	< 69.0	ug/kg	1.00	69	05/20/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	86-30-6	N-Nitrosodiphenylamine	SOLID	LA-523-456	U	< 69.0	ug/kg	1.00	69	05/20/03	04/28/03	04/28/03

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WSCF
ANALYTICAL RESULTS REPORT

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

Group #: WSCF20030588

Sample #	Client ID		CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W030000240	B16W95	TRENT	91-20-3	Naphthalene	SOLID	LA-523-456	U	< 300	ug/kg	1.00	3.0e+02	05/20/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	98-95-3	Nitrobenzene	SOLID	LA-523-456	U	< 270	ug/kg	1.00	2.7e+02	05/20/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	87-86-5	Pentachlorophenol	SOLID	LA-523-456	U	< 310	ug/kg	1.00	3.1e+02	05/20/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	85-01-8	Phenanthrene	SOLID	LA-523-456	U	< 69.0	ug/kg	1.00	69	05/20/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	108-95-2	Phenol	SOLID	LA-523-456	U	< 100	ug/kg	1.00	1.0e+02	05/20/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	129-00-0	Pyrene	SOLID	LA-523-456	U	< 69.0	ug/kg	1.00	69	05/20/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	126-73-8	Tri-n-butylphosphate	SOLID	LA-523-456	U	< 69.0	ug/kg	1.00	69	05/20/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	111-44-4	bis(-2-Chloroethyl)Eth	SOLID	LA-523-456	U	< 250	ug/kg	1.00	2.5e+02	05/20/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	111-91-1	bis(2-Chloroethoxy)methane	SOLID	LA-523-456	U	< 120	ug/kg	1.00	1.2e+02	05/20/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	13966-29-5	U-234 by AEA	SOLID	LA-508-471		0.160	pCi/g		0.016	05/12/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	E,T,C	U-234 by AEA Total Cntg Error	SOLID	LA-508-471		30.0	%		0.0	05/12/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	15117-96-1	U-235 by AEA	SOLID	LA-508-471	U	0.0120	pCi/g		0.018	05/12/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	E,T,C	U-235 by AEA Total Cntg Error	SOLID	LA-508-471		110	%		0.0	05/12/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	24678-82-8	U-238 by AEA	SOLID	LA-508-471		0.160	pCi/g		5.9e-03	05/12/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	E,T,C	U-238 by AEA Total Cntg Error	SOLID	LA-508-471		30.0	%		0.10	05/12/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	71-55-6	1,1,1-Trichloroethane	SOLID	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	05/07/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	79-34-5	1,1,2,2-Tetrachloroethane	SOLID	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	05/07/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	79-00-5	1,1,2-Trichloroethane	SOLID	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	05/07/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	75-34-3	1,1-Dichloroethane	SOLID	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	05/07/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	75-35-4	1,1-Dichloroethene	SOLID	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	05/07/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	107-06-2	1,2-Dichloroethane	SOLID	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	05/07/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	540-59-0	1,2-Dichloroethene (cis & tran	SOLID	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	05/07/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	78-87-5	1,2-Dichloropropane	SOLID	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	05/07/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	71-36-3	1-Butanol	SOLID	LA-523-455	U	< 21.0	ug/kg	1.00	21	05/07/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	78-93-3	2-Butanone	SOLID	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	05/07/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	591-78-6	2-Hexanone	SOLID	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	05/07/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	107-87-9	2-Pentanone	SOLID	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	05/07/03	04/28/03	04/28/03

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WSCF
ANALYTICAL RESULTS REPORT

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

Group #: WSCF20030588

Sample #	Client ID		CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W030000240	B16W95	TRENT	108-10-1	4-Methyl-2-pentanone	SOLID	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	05/07/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	67-64-1	Acetone	SOLID	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	05/07/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	71-43-2	Benzene	SOLID	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	05/07/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	75-27-4	Bromodichloromethane	SOLID	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	05/07/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	75-25-2	Bromoform	SOLID	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	05/07/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	74-83-9	Bromomethane	SOLID	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	05/07/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	75-15-0	Carbon Disulfide	SOLID	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	05/07/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	56-23-5	Carbon Tetrachloride	SOLID	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	05/07/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	108-90-7	Chlorobenzene	SOLID	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	05/07/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	75-00-3	Chloroethane	SOLID	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	05/07/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	67-66-3	Chloroform	SOLID	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	05/07/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	74-87-3	Chloromethane	SOLID	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	05/07/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	124-48-1	Dibromochloromethane	SOLID	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	05/07/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	100-41-4	Ethylbenzene	SOLID	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	05/07/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	75-09-2	Methylene Chloride	SOLID	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	05/07/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	100-42-5	Styrene	SOLID	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	05/07/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	127-18-4	Tetrachloroethene	SOLID	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	05/07/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	108-88-3	Toluene	SOLID	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	05/07/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	1330-20-7	Total Xylenes	SOLID	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	05/07/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	79-01-6	Trichloroethene	SOLID	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	05/07/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	75-01-4	Vinyl Chloride	SOLID	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	05/07/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	10061-01-5	cis-1,3-Dichloropropene	SOLID	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	05/07/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	104-51-8	n-Butylbenzene	SOLID	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	05/07/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	10061-02-6	trans-1,3-Dichloropropene	SOLID	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	05/07/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	8008-20-6	Kerosene	SOLID	NWTPH	U	< 4.10e+03	ug/kg	1.00	4.1e+03	05/21/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	68476-34-6	Total Pet. Hydrocarbons Diesel	SOLID	NWTPH	U	< 4.10e+03	ug/kg	1.00	4.1e+03	05/21/03	04/28/03	04/28/03
W030000240	B16W95	TRENT	84-15-1	ortho-Terphenyl	SOLID	NWTPH		1.70e+04	ug/kg	1.00	2.1e+02	05/21/03	04/28/03	04/28/03

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WSCF
ANALYTICAL RESULTS REPORT

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

Group #: WSCF20030588

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

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WSCF
ANALYTICAL COMMENT REPORT

2 - 27

Attention: Steve Trent
Project Number F03-006

Group #: WSCF20030588

Sample #	Client ID	Lab Area	Test	Comment
		VALGROUP		ICP-MS: Estimated aluminum results due to being beyond linear range. High nickel, silver, zinc, manganese, and aluminum LCS recoveries and low mercury LCS recoveries but no flags issued because recoveries are within manufacturer's performance acceptance limits.
				Samples W030000236, 239, and 240 for GEA Comment: The Sn-126 activity could not be determined because of the peak interference from the daughters of natural radioactivity (like U-238 and Th-232) present in the samples.
				RPD is not applicable for low activity samples (AEA).
				TPHD/PCB/SVOA: All results are moisture corrected and reported on a dry weight basis. cgc
				SVOA: A J flag is used for target compounds which have concentrations below the lowest calibration standard but above the detection limit. Samples are reported on a dry wt. basis. den
				ICP-AES: High LCS recovery for Bismuth (126%). All samples were less than, no qualifiers will be assigned. Boron was within the Performance Acceptance Limits for the ERA soil standard. ldl

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

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WSCF
TENTATIVELY IDENTIFIED PEAK REPORT

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

Group #: WSCF20030588

Sample #	Client ID		Test Name	Peak Name	CAS#	RT	RQ	Result	Units
W030000236	B16W93	TRENT	Gamma Energy Analysis-grd H2O	K-40				10.9	pCi/g
W030000236	B16W93	TRENT	Gamma Energy Analysis-grd H2O	K-40 Count Error				11.554	%
W030000236	B16W93	TRENT	SW-846 8270B Semi-Vols	SMP 16.223 Unknown	Unknown	16.22385	J	1000	ug/kg
W030000236	B16W93	TRENT	SW-846 8270B Semi-Vols	SMP 18.869 Unknown	Unknown	18.86996	J	1400	ug/kg
W030000236	B16W93	TRENT	SW-846 8270B Semi-Vols	SMP 5.404 Unknown	Unknown	5.404466	J	190	ug/kg
W030000236	B16W93	TRENT	SW-846 8270B Semi-Vols	SMP 5.036 Unknown	Unknown	5.036666	BJ	230	ug/kg
W030000236	B16W93	TRENT	SW-846 8270B Semi-Vols	SMP 20.463 Unknown	Unknown	20.46375	J	240	ug/kg
W030000236	B16W93	TRENT	SW-846 8270B Semi-Vols	SMP 21.873 Unknown	Unknown	21.87365	J	280	ug/kg
W030000236	B16W93	TRENT	SW-846 8270B Semi-Vols	SMP 4.903 Unknown	Unknown	4.90385	J	330	ug/kg
W030000236	B16W93	TRENT	SW-846 8270B Semi-Vols	SMP 12.831 Benzenesulfonamide, N-	3622-84-2	12.83193	JN	660	ug/kg
W030000239	B16W94	TRENT	Gamma Energy Analysis-grd H2O	K-40				10.4	pCi/g
W030000239	B16W94	TRENT	Gamma Energy Analysis-grd H2O	K-40 Count Error				11.551	%
W030000239	B16W94	TRENT	SW-846 8270B Semi-Vols	SMP 20.426 Unknown	Unknown	20.42693	J	1300	ug/kg
W030000239	B16W94	TRENT	SW-846 8270B Semi-Vols	SMP 21.826 Unknown	Unknown	21.8266	J	1600	ug/kg
W030000239	B16W94	TRENT	SW-846 8270B Semi-Vols	SMP 18.945 Unknown	Unknown	18.94551	J	170	ug/kg
W030000239	B16W94	TRENT	SW-846 8270B Semi-Vols	SMP 12.958 Benzenesulfonamide, N-	3622-84-2	12.95858	JN	18000	ug/kg
W030000239	B16W94	TRENT	SW-846 8270B Semi-Vols	SMP 12.018 Unknown	Unknown	12.01865	J	190	ug/kg
W030000239	B16W94	TRENT	SW-846 8270B Semi-Vols	SMP 17.831 Unknown	Unknown	17.83191	J	210	ug/kg
W030000239	B16W94	TRENT	SW-846 8270B Semi-Vols	SMP 5.030 Unknown	Unknown	5.030483	BJ	260	ug/kg
W030000239	B16W94	TRENT	SW-846 8270B Semi-Vols	SMP 5.469 Cyclohexane, isocyanat	3173-53-3	5.4698	JN	320	ug/kg
W030000239	B16W94	TRENT	SW-846 8270B Semi-Vols	SMP 23.154 Unknown	Unknown	23.15476	J	410	ug/kg
W030000239	B16W94	TRENT	SW-846 8270B Semi-Vols	SMP 16.227 Unknown	Unknown	16.2279	J	4200	ug/kg
W030000239	B16W94	TRENT	SW-846 8270B Semi-Vols	SMP 18.874 Unknown	Unknown	18.874	J	5300	ug/kg
W030000240	B16W95	TRENT	Gamma Energy Analysis-grd H2O	K-40				10.7	pCi/g
W030000240	B16W95	TRENT	Gamma Energy Analysis-grd H2O	K-40 Count Error				11.545	%

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

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WSCF
TENTATIVELY IDENTIFIED PEAK REPORT

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

Group #: WSCF20030588

Sample #	Client ID		Test Name	Peak Name	CAS#	RT	RQ	Result	Units
W030000240	B16W95	TRENT	SW-846 8270B Semi-Vols	SMP 5.363 Cyclotetrasiloxane, oc	556-67-2	5.363666	JN	140	ug/kg
W030000240	B16W95	TRENT	SW-846 8270B Semi-Vols	SMP 6.180 Unknown	Unknown	6.180983	J	140	ug/kg
W030000240	B16W95	TRENT	SW-846 8270B Semi-Vols	SMP 5.036 Unknown	Unknown	5.036716	BJ	220	ug/kg
W030000240	B16W95	TRENT	SW-846 8270B Semi-Vols	SMP 5.404 Unknown	Unknown	5.404533	J	220	ug/kg
W030000240	B16W95	TRENT	SW-846 8270B Semi-Vols	SMP 10.768 Unknown	Unknown	10.76825	J	260	ug/kg

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

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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

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w13qlog v1 30-may-2003 14:38:43

W13q Worklist/Batch/QC Report for Group# WSCF20030588

WL#	S#	Batch	QC#	Tray Type	Sample#	Test
				SAMPLE	W030000236	Sample Screen - LAB USE ONLY
				SAMPLE	W030000239	Sample Screen - LAB USE ONLY
				SAMPLE	W030000240	Sample Screen - LAB USE ONLY
				SAMPLE	W030000236	Percent Solids
				SAMPLE	W030000239	Percent Solids
				SAMPLE	W030000240	Percent Solids
				SAMPLE	W030000236	pH Soil and Waste Measurement
				SAMPLE	W030000239	pH Soil and Waste Measurement
				SAMPLE	W030000240	pH Soil and Waste Measurement
19329	3	19722	22388	LCS		Ammonia (N) by IC
19329	5	19722	22388	DUP	W030000236	Ammonia (N) by IC
19329	6	19722	22388	MS	W030000236	Ammonia (N) by IC
19329	7	19722	22388	MSD	W030000236	Ammonia (N) by IC
19329	4	19722	22388	SAMPLE	W030000236	Ammonia (N) by IC
19329	8	19722	22388	SAMPLE	W030000239	Ammonia (N) by IC
19329	9	19722	22388	SAMPLE	W030000240	Ammonia (N) by IC
19392	1	19783	22462	BLANK		ICP-2008 MS All possible metal
19392	8	19783	22462	BLANK		ICP-2008 MS All possible metal
19392	15	19783	22462	BLANK		ICP-2008 MS All possible metal
19392	21	19783	22462	BLANK		ICP-2008 MS All possible metal
19392	3	19783	22462	LCS		ICP-2008 MS All possible metal
19392	9	19783	22462	LCS		ICP-2008 MS All possible metal
19392	16	19783	22462	LCS		ICP-2008 MS All possible metal
19392	22	19783	22462	LCS		ICP-2008 MS All possible metal
19392	18	19783	22462	MS	W030000195	ICP-2008 MS All possible metal
19392	19	19783	22462	MSD	W030000195	ICP-2008 MS All possible metal
19392	4	19783	22462	MS	W030000236	ICP-2008 MS All possible metal
19392	5	19783	22462	MSD	W030000236	ICP-2008 MS All possible metal
19392	2	19783	22462	SAMPLE	W030000236	ICP-2008 MS All possible metal
19392	6	19783	22462	SAMPLE	W030000239	ICP-2008 MS All possible metal
19392	7	19783	22462	SAMPLE	W030000240	ICP-2008 MS All possible metal
19392	11	19783	22462	MS	W030000246	ICP-2008 MS All possible metal
19392	12	19783	22462	MSD	W030000246	ICP-2008 MS All possible metal
19392	24	19783	22462	MS	W030000265	ICP-2008 MS All possible metal
19392	25	19783	22462	MSD	W030000265	ICP-2008 MS All possible metal
19264	1	19659	22530	SAMPLE	W030000236	Gamma Energy Analysis-grd H2O
19264	2	19659	22530	SAMPLE	W030000239	Gamma Energy Analysis-grd H2O
19264	3	19659	22530	SAMPLE	W030000240	Gamma Energy Analysis-grd H2O
19378	1	19772	22534	BLANK		Uranium Isotopics by AEA
19378	2	19772	22534	LCS		Uranium Isotopics by AEA
19378	3	19772	22534	DUP	W030000236	Uranium Isotopics by AEA
19378	4	19772	22534	SAMPLE	W030000236	Uranium Isotopics by AEA
19378	5	19772	22534	SAMPLE	W030000239	Uranium Isotopics by AEA
19378	6	19772	22534	SAMPLE	W030000240	Uranium Isotopics by AEA
19421	1	19810	22546	BLANK		Plutonium Isotopics by AEA
19421	2	19810	22546	LCS		Plutonium Isotopics by AEA
19421	3	19810	22546	DUP	W030000236	Plutonium Isotopics by AEA
19421	4	19810	22546	SAMPLE	W030000236	Plutonium Isotopics by AEA
19421	5	19810	22546	SAMPLE	W030000239	Plutonium Isotopics by AEA

19421	6	19810	22546	SAMPLE	W030000240	Plutonium Isotopics by AEA
19420	1	19811	22547	BLANK		Americium by AEA
19420	2	19811	22547	LCS		Americium by AEA
19420	3	19811	22547	DUP	W030000236	Americium by AEA
19420	4	19811	22547	SAMPLE	W030000236	Americium by AEA
19420	5	19811	22547	SAMPLE	W030000239	Americium by AEA
19420	6	19811	22547	SAMPLE	W030000240	Americium by AEA
			22557	BLANK		Cyanide by Midi/Spectrophotom
			22557	BLNK-PREP		Cyanide by Midi/Spectrophotom
			22557	DUP		Cyanide by Midi/Spectrophotom
			22557	LCS		Cyanide by Midi/Spectrophotom
			22557	LCS-2		Cyanide by Midi/Spectrophotom
			22557	MS	W030000236	Cyanide by Midi/Spectrophotom
			22557	MSD	W030000236	Cyanide by Midi/Spectrophotom
			22557	SAMPLE	W030000236	Cyanide by Midi/Spectrophotom
			22557	SPK-RPD	W030000236	Cyanide by Midi/Spectrophotom
			22557	SAMPLE	W030000239	Cyanide by Midi/Spectrophotom
			22557	SAMPLE	W030000240	Cyanide by Midi/Spectrophotom
19460	2	19850	22566	BLANK		Anions by Ion Chromatography
19460	10	19850	22566	BLANK		Anions by Ion Chromatography
19460	3	19850	22566	LCS		Anions by Ion Chromatography
19460	5	19850	22566	DUP	W030000236	Anions by Ion Chromatography
19460	6	19850	22566	MS	W030000236	Anions by Ion Chromatography
19460	7	19850	22566	MSD	W030000236	Anions by Ion Chromatography
19460	4	19850	22566	SAMPLE	W030000236	Anions by Ion Chromatography
19460	8	19850	22566	SAMPLE	W030000239	Anions by Ion Chromatography
19460	9	19850	22566	SAMPLE	W030000240	Anions by Ion Chromatography
19486	1	19875	22581	BLANK		NWTPH-GX TPH Gasoline Range
19486	2	19875	22581	LCS		NWTPH-GX TPH Gasoline Range
19486	4	19875	22581	DUP	W030000236	NWTPH-GX TPH Gasoline Range
19486	5	19875	22581	MS	W030000236	NWTPH-GX TPH Gasoline Range
19486	6	19875	22581	MSD	W030000236	NWTPH-GX TPH Gasoline Range
19486	3	19875	22581	SAMPLE	W030000236	NWTPH-GX TPH Gasoline Range
19486	6	19875	22581	SPK-RPD	W030000236	NWTPH-GX TPH Gasoline Range
19486	7	19875	22581	SAMPLE	W030000239	NWTPH-GX TPH Gasoline Range
19486	8	19875	22581	SAMPLE	W030000240	NWTPH-GX TPH Gasoline Range
19488	1	19877	22583	BLANK		Alcohols, Glycols - 8015
19488	2	19877	22583	LCS		Alcohols, Glycols - 8015
19488	4	19877	22583	MS	W030000236	Alcohols, Glycols - 8015
19488	5	19877	22583	MSD	W030000236	Alcohols, Glycols - 8015
19488	3	19877	22583	SAMPLE	W030000236	Alcohols, Glycols - 8015
19488	5	19877	22583	SPK-RPD	W030000236	Alcohols, Glycols - 8015
19488	6	19877	22583	SAMPLE	W030000239	Alcohols, Glycols - 8015
19488	7	19877	22583	SAMPLE	W030000240	Alcohols, Glycols - 8015
			22589	BLANK		WTPH-D TPH Diesel Range (Wa)
			22589	LCS		WTPH-D TPH Diesel Range (Wa)
			22589	SAMPLE	W030000236	WTPH-D TPH Diesel Range (Wa)
			22589	SURR	W030000236	WTPH-D TPH Diesel Range (Wa)
			22589	MS	W030000239	WTPH-D TPH Diesel Range (Wa)
			22589	MSD	W030000239	WTPH-D TPH Diesel Range (Wa)
			22589	SAMPLE	W030000239	WTPH-D TPH Diesel Range (Wa)
			22589	SPK-RPD	W030000239	WTPH-D TPH Diesel Range (Wa)
			22589	SURR	W030000239	WTPH-D TPH Diesel Range (Wa)
			22589	SAMPLE	W030000240	WTPH-D TPH Diesel Range (Wa)

			22589	SURR	W030000240	WTPH-D TPH Diesel Range (Wa)
			22599	BLANK		PCBs complete list
			22599	LCS		PCBs complete list
			22599	SAMPLE	W030000236	PCBs complete list
			22599	SURR	W030000236	PCBs complete list
			22599	MS	W030000239	PCBs complete list
			22599	MSD	W030000239	PCBs complete list
			22599	SAMPLE	W030000239	PCBs complete list
			22599	SPK-RPD	W030000239	PCBs complete list
			22599	SURR	W030000239	PCBs complete list
			22599	SAMPLE	W030000240	PCBs complete list
			22599	SURR	W030000240	PCBs complete list
			22601	BLANK		VOA Ground Water Protection
			22601	LCS		VOA Ground Water Protection
			22601	MS	W030000236	VOA Ground Water Protection
			22601	MSD	W030000236	VOA Ground Water Protection
			22601	SAMPLE	W030000236	VOA Ground Water Protection
			22601	SURR	W030000236	VOA Ground Water Protection
			22601	SAMPLE	W030000239	VOA Ground Water Protection
			22601	SURR	W030000239	VOA Ground Water Protection
			22601	SAMPLE	W030000240	VOA Ground Water Protection
			22601	SURR	W030000240	VOA Ground Water Protection
			22601	MS	W030000246	VOA Ground Water Protection
			22601	MSD	W030000246	VOA Ground Water Protection
			22601	SPK-RPD	W030000246	VOA Ground Water Protection
			22603	BLANK		SW-846 8270B Semi-Vols
			22603	LCS		SW-846 8270B Semi-Vols
			22603	SAMPLE	W030000236	SW-846 8270B Semi-Vols
			22603	SURR	W030000236	SW-846 8270B Semi-Vols
			22603	MS	W030000239	SW-846 8270B Semi-Vols
			22603	MSD	W030000239	SW-846 8270B Semi-Vols
			22603	SAMPLE	W030000239	SW-846 8270B Semi-Vols
			22603	SPK-RPD	W030000239	SW-846 8270B Semi-Vols
			22603	SURR	W030000239	SW-846 8270B Semi-Vols
			22603	SAMPLE	W030000240	SW-846 8270B Semi-Vols
			22603	SURR	W030000240	SW-846 8270B Semi-Vols
19498	1	19882	22610	BLANK		ICP Metals Analysis, Grd H20 P
19498	2	19882	22610	LCS		ICP Metals Analysis, Grd H20 P
19498	4	19882	22610	MS	W030000236	ICP Metals Analysis, Grd H20 P
19498	5	19882	22610	MSD	W030000236	ICP Metals Analysis, Grd H20 P
19498	3	19882	22610	SAMPLE	W030000236	ICP Metals Analysis, Grd H20 P
19498	6	19882	22610	SAMPLE	W030000239	ICP Metals Analysis, Grd H20 P
19498	7	19882	22610	SAMPLE	W030000240	ICP Metals Analysis, Grd H20 P
19498	9	19882	22610	MS	W030000246	ICP Metals Analysis, Grd H20 P
19498	10	19882	22610	MSD	W030000246	ICP Metals Analysis, Grd H20 P
19498	14	19882	22610	MS	W030000265	ICP Metals Analysis, Grd H20 P
19498	15	19882	22610	MSD	W030000265	ICP Metals Analysis, Grd H20 P
19498	0	19882	22610	SPK-RPD	W030000265	ICP Metals Analysis, Grd H20 P

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20030588
Matrix: SOLID
Test: Ammonia (N) by IC

SAF Number: F03-006
Sample Date: 04/28/03
Receive Date: 04/28/03

QC Type	Analyte	CAS #	Results	Units	Analysis Date	Lower Limit	Upper Limit
Lab ID: W030000236							
BATCH QC ASSOCIATED WITH SAMPLE							
DUP	Ammonia (N) by IC	7664-41-7	1.158	RPD	04/30/03	0.000	20.000
MS	Ammonia (N) by IC	7664-41-7	103.030	% Recov	04/30/03	75.000	125.000
MSD	Ammonia (N) by IC	7664-41-7	101.818	% Recov	04/30/03	75.000	125.000
BATCH QC							
LCS	Ammonia (N) by IC	7664-41-7	97.587	% Recov	04/30/03	80.000	120.000

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20030588
Matrix: SOLID
Test: ICP-2008 MS All possible metal

SAF Number: F03-006
Sample Date: 04/17/03
Receive Date: 04/17/03

Lab ID: W030000195
BATCH QC ASSOCIATED WITH SAMPLE

QC Type	Analyte	CAS #	Results	Units	Analysis Date	Lower Limit	Upper Limit
MS	Silver by ICP-MS	7440-22-4	93.558	% Recov	05/08/03	70.000	130.000
MS	Aluminum by ICP-MS	7429-90-5	n/a	% Recov	05/08/03	70.000	130.000
MS	Arsenic by ICP-MS	7440-38-2	97.137	% Recov	05/08/03	70.000	130.000
MS	Barium by ICP-MS	7440-39-3	107.362	% Recov	05/08/03	70.000	130.000
MS	Beryllium by ICP-MS	7440-41-7	104.294	% Recov	05/08/03	70.000	130.000
MS	Cadmium by ICP-MS	7440-43-9	98.671	% Recov	05/08/03	70.000	130.000
MS	Cobalt by ICP-MS	7440-48-4	103.272	% Recov	05/08/03	70.000	130.000
MS	Chromium by ICP-MS	7440-47-3	102.761	% Recov	05/08/03	70.000	130.000
MS	Copper by ICP-MS	7440-50-8	105.317	% Recov	05/08/03	70.000	130.000
MS	Mercury by ICP-MS	7439-97-6	95.092	% Recov	05/08/03	70.000	130.000
MS	Manganese by ICP-MS	7439-96-5	98.116	% Recov	05/08/03	70.000	130.000
MS	Molybdenum by ICP-MS	7439-98-7	94.070	% Recov	05/08/03	70.000	130.000
MS	Nickel by ICP-MS	7440-02-0	104.806	% Recov	05/08/03	70.000	130.000
MS	Lead by ICP-MS	7439-92-1	96.115	% Recov	05/08/03	70.000	130.000
MS	Antimony by ICP-MS	7440-36-0	106.851	% Recov	05/08/03	70.000	130.000
MS	Selenium by ICP-MS	7782-49-2	93.558	% Recov	05/08/03	70.000	130.000
MS	Thorium by ICP-MS	7440-29-1	100.204	% Recov	05/08/03	70.000	130.000
MS	Thallium by ICP-MS	7440-28-0	89.980	% Recov	05/08/03	70.000	130.000
MS	Uranium by ICP-MS	7440-61-1	94.070	% Recov	05/08/03	70.000	130.000
MS	Vanadium by ICP-MS	7440-62-2	106.339	% Recov	05/08/03	70.000	130.000
MS	Zinc by ICP-MS	7440-66-6	102.761	% Recov	05/08/03	70.000	130.000
MSD	Silver by ICP-MS	7440-22-4	88.110	% Recov	05/08/03	70.000	130.000
MSD	Aluminum by ICP-MS	7429-90-5	n/a	% Recov	05/08/03	70.000	130.000
MSD	Arsenic by ICP-MS	7440-38-2	98.195	% Recov	05/08/03	70.000	130.000
MSD	Barium by ICP-MS	7440-39-3	109.873	% Recov	05/08/03	70.000	130.000
MSD	Beryllium by ICP-MS	7440-41-7	99.788	% Recov	05/08/03	70.000	130.000
MSD	Cadmium by ICP-MS	7440-43-9	97.134	% Recov	05/08/03	70.000	130.000
MSD	Cobalt by ICP-MS	7440-48-4	101.380	% Recov	05/08/03	70.000	130.000
MSD	Chromium by ICP-MS	7440-47-3	101.811	% Recov	05/08/03	70.000	130.000
MSD	Copper by ICP-MS	7440-50-8	100.318	% Recov	05/08/03	70.000	130.000
MSD	Mercury by ICP-MS	7439-97-6	93.737	% Recov	05/08/03	70.000	130.000
MSD	Manganese by ICP-MS	7439-96-5	82.803	% Recov	05/08/03	70.000	130.000
MSD	Molybdenum by ICP-MS	7439-98-7	92.887	% Recov	05/08/03	70.000	130.000
MSD	Nickel by ICP-MS	7440-02-0	104.034	% Recov	05/08/03	70.000	130.000
MSD	Lead by ICP-MS	7439-92-1	95.011	% Recov	05/08/03	70.000	130.000
MSD	Antimony by ICP-MS	7440-36-0	105.626	% Recov	05/08/03	70.000	130.000
MSD	Selenium by ICP-MS	7782-49-2	95.011	% Recov	05/08/03	70.000	130.000
MSD	Thorium by ICP-MS	7440-29-1	98.726	% Recov	05/08/03	70.000	130.000
MSD	Thallium by ICP-MS	7440-28-0	89.172	% Recov	05/08/03	70.000	130.000
MSD	Uranium by ICP-MS	7440-61-1	92.357	% Recov	05/08/03	70.000	130.000
MSD	Vanadium by ICP-MS	7440-62-2	100.849	% Recov	05/08/03	70.000	130.000
MSD	Zinc by ICP-MS	7440-66-6	100.318	% Recov	05/08/03	70.000	130.000

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20030588
Matrix: SOLID
Test: ICP-2008 MS All possible metal

SAF Number: F03-006
Sample Date: 04/17/03
Receive Date: 04/17/03

Lab ID: W030000236
BATCH QC ASSOCIATED WITH SAMPLE

QC Type	Analyte	CAS #	Results	Units	Analysis Date	Lower Limit	Upper Limit
MS	Silver by ICP-MS	7440-22-4	91.972	% Recov	05/08/03	70.000	130.000
MS	Aluminum by ICP-MS	7429-90-5	n/a	% Recov	05/08/03	70.000	130.000
MS	Arsenic by ICP-MS	7440-38-2	95.020	% Recov	05/08/03	70.000	130.000
MS	Barium by ICP-MS	7440-39-3	105.183	% Recov	05/08/03	70.000	130.000
MS	Beryllium by ICP-MS	7440-41-7	101.118	% Recov	05/08/03	70.000	130.000
MS	Cadmium by ICP-MS	7440-43-9	99.593	% Recov	05/08/03	70.000	130.000
MS	Cobalt by ICP-MS	7440-48-4	101.626	% Recov	05/08/03	70.000	130.000
MS	Chromium by ICP-MS	7440-47-3	101.626	% Recov	05/08/03	70.000	130.000
MS	Copper by ICP-MS	7440-50-8	102.642	% Recov	05/08/03	70.000	130.000
MS	Mercury by ICP-MS	7439-97-6	94.715	% Recov	05/08/03	70.000	130.000
MS	Manganese by ICP-MS	7439-96-5	104.675	% Recov	05/08/03	70.000	130.000
MS	Molybdenum by ICP-MS	7439-98-7	91.463	% Recov	05/08/03	70.000	130.000
MS	Nickel by ICP-MS	7440-02-0	105.691	% Recov	05/08/03	70.000	130.000
MS	Lead by ICP-MS	7439-92-1	95.020	% Recov	05/08/03	70.000	130.000
MS	Antimony by ICP-MS	7440-36-0	96.037	% Recov	05/08/03	70.000	130.000
MS	Selenium by ICP-MS	7782-49-2	90.956	% Recov	05/08/03	70.000	130.000
MS	Thorium by ICP-MS	7440-29-1	100.102	% Recov	05/08/03	70.000	130.000
MS	Thallium by ICP-MS	7440-28-0	89.431	% Recov	05/08/03	70.000	130.000
MS	Uranium by ICP-MS	7440-61-1	94.004	% Recov	05/08/03	70.000	130.000
MS	Vanadium by ICP-MS	7440-62-2	106.707	% Recov	05/08/03	70.000	130.000
MS	Zinc by ICP-MS	7440-66-6	100.102	% Recov	05/08/03	70.000	130.000
MSD	Silver by ICP-MS	7440-22-4	94.792	% Recov	05/08/03	70.000	130.000
MSD	Aluminum by ICP-MS	7429-90-5	n/a	% Recov	05/08/03	70.000	130.000
MSD	Arsenic by ICP-MS	7440-38-2	92.188	% Recov	05/08/03	70.000	130.000
MSD	Barium by ICP-MS	7440-39-3	101.042	% Recov	05/08/03	70.000	130.000
MSD	Beryllium by ICP-MS	7440-41-7	98.958	% Recov	05/08/03	70.000	130.000
MSD	Cadmium by ICP-MS	7440-43-9	96.354	% Recov	05/08/03	70.000	130.000
MSD	Cobalt by ICP-MS	7440-48-4	101.042	% Recov	05/08/03	70.000	130.000
MSD	Chromium by ICP-MS	7440-47-3	100.000	% Recov	05/08/03	70.000	130.000
MSD	Copper by ICP-MS	7440-50-8	100.000	% Recov	05/08/03	70.000	130.000
MSD	Mercury by ICP-MS	7439-97-6	93.125	% Recov	05/08/03	70.000	130.000
MSD	Manganese by ICP-MS	7439-96-5	98.438	% Recov	05/08/03	70.000	130.000
MSD	Molybdenum by ICP-MS	7439-98-7	88.021	% Recov	05/08/03	70.000	130.000
MSD	Nickel by ICP-MS	7440-02-0	102.083	% Recov	05/08/03	70.000	130.000
MSD	Lead by ICP-MS	7439-92-1	94.271	% Recov	05/08/03	70.000	130.000
MSD	Antimony by ICP-MS	7440-36-0	93.229	% Recov	05/08/03	70.000	130.000
MSD	Selenium by ICP-MS	7782-49-2	90.104	% Recov	05/08/03	70.000	130.000
MSD	Thorium by ICP-MS	7440-29-1	98.438	% Recov	05/08/03	70.000	130.000
MSD	Thallium by ICP-MS	7440-28-0	88.021	% Recov	05/08/03	70.000	130.000
MSD	Uranium by ICP-MS	7440-61-1	91.146	% Recov	05/08/03	70.000	130.000
MSD	Vanadium by ICP-MS	7440-62-2	104.688	% Recov	05/08/03	70.000	130.000
MSD	Zinc by ICP-MS	7440-66-6	101.042	% Recov	05/08/03	70.000	130.000

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20030588
Matrix: SOLID
Test: ICP-2008 MS All possible metal

SAF Number: F03-006
Sample Date: 04/29/03
Receive Date: 04/29/03

Lab ID: W030000246
BATCH QC ASSOCIATED WITH SAMPLE

QC Type	Analyte	CAS #	Results	Units	Analysis Date	Lower Limit	Upper Limit
MS	Silver by ICP-MS	7440-22-4	92.369	% Recov	05/08/03	70.000	130.000
MS	Aluminum by ICP-MS	7429-90-5	n/a	% Recov	05/08/03	70.000	130.000
MS	Arsenic by ICP-MS	7440-38-2	90.361	% Recov	05/08/03	70.000	130.000
MS	Barium by ICP-MS	7440-39-3	95.382	% Recov	05/08/03	70.000	130.000
MS	Beryllium by ICP-MS	7440-41-7	97.390	% Recov	05/08/03	70.000	130.000
MS	Cadmium by ICP-MS	7440-43-9	94.880	% Recov	05/08/03	70.000	130.000
MS	Cobalt by ICP-MS	7440-48-4	102.912	% Recov	05/08/03	70.000	130.000
MS	Chromium by ICP-MS	7440-47-3	102.410	% Recov	05/08/03	70.000	130.000
MS	Copper by ICP-MS	7440-50-8	102.912	% Recov	05/08/03	70.000	130.000
MS	Mercury by ICP-MS	7439-97-6	87.751	% Recov	05/08/03	70.000	130.000
MS	Manganese by ICP-MS	7439-96-5	76.807	% Recov	05/08/03	70.000	130.000
MS	Molybdenum by ICP-MS	7439-98-7	86.345	% Recov	05/08/03	70.000	130.000
MS	Nickel by ICP-MS	7440-02-0	103.414	% Recov	05/08/03	70.000	130.000
MS	Lead by ICP-MS	7439-92-1	90.863	% Recov	05/08/03	70.000	130.000
MS	Antimony by ICP-MS	7440-36-0	96.888	% Recov	05/08/03	70.000	130.000
MS	Selenium by ICP-MS	7782-49-2	88.353	% Recov	05/08/03	70.000	130.000
MS	Thorium by ICP-MS	7440-29-1	95.382	% Recov	05/08/03	70.000	130.000
MS	Thallium by ICP-MS	7440-28-0	85.341	% Recov	05/08/03	70.000	130.000
MS	Uranium by ICP-MS	7440-61-1	89.357	% Recov	05/08/03	70.000	130.000
MS	Vanadium by ICP-MS	7440-62-2	105.422	% Recov	05/08/03	70.000	130.000
MS	Zinc by ICP-MS	7440-66-6	97.892	% Recov	05/08/03	70.000	130.000
MSD	Silver by ICP-MS	7440-22-4	90.081	% Recov	05/08/03	70.000	130.000
MSD	Aluminum by ICP-MS	7429-90-5	n/a	% Recov	05/08/03	70.000	130.000
MSD	Arsenic by ICP-MS	7440-38-2	93.117	% Recov	05/08/03	70.000	130.000
MSD	Barium by ICP-MS	7440-39-3	93.623	% Recov	05/08/03	70.000	130.000
MSD	Beryllium by ICP-MS	7440-41-7	101.215	% Recov	05/08/03	70.000	130.000
MSD	Cadmium by ICP-MS	7440-43-9	95.648	% Recov	05/08/03	70.000	130.000
MSD	Cobalt by ICP-MS	7440-48-4	102.733	% Recov	05/08/03	70.000	130.000
MSD	Chromium by ICP-MS	7440-47-3	102.227	% Recov	05/08/03	70.000	130.000
MSD	Copper by ICP-MS	7440-50-8	102.227	% Recov	05/08/03	70.000	130.000
MSD	Mercury by ICP-MS	7439-97-6	92.004	% Recov	05/08/03	70.000	130.000
MSD	Manganese by ICP-MS	7439-96-5	82.996	% Recov	05/08/03	70.000	130.000
MSD	Molybdenum by ICP-MS	7439-98-7	89.575	% Recov	05/08/03	70.000	130.000
MSD	Nickel by ICP-MS	7440-02-0	107.794	% Recov	05/08/03	70.000	130.000
MSD	Lead by ICP-MS	7439-92-1	92.105	% Recov	05/08/03	70.000	130.000
MSD	Antimony by ICP-MS	7440-36-0	97.672	% Recov	05/08/03	70.000	130.000
MSD	Selenium by ICP-MS	7782-49-2	89.069	% Recov	05/08/03	70.000	130.000
MSD	Thorium by ICP-MS	7440-29-1	97.672	% Recov	05/08/03	70.000	130.000
MSD	Thallium by ICP-MS	7440-28-0	87.551	% Recov	05/08/03	70.000	130.000
MSD	Uranium by ICP-MS	7440-61-1	90.587	% Recov	05/08/03	70.000	130.000
MSD	Vanadium by ICP-MS	7440-62-2	107.287	% Recov	05/08/03	70.000	130.000
MSD	Zinc by ICP-MS	7440-66-6	98.684	% Recov	05/08/03	70.000	130.000

Lab ID: W030000265

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20030588
Matrix: SOLID
Test: ICP-2008 MS All possible metal

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

BATCH QC ASSOCIATED WITH SAMPLE

QC Type	Analyte	CAS #	Results	Units	Analysis Date	Lower Limit	Upper Limit
MS	Silver by ICP-MS	7440-22-4	87.449	% Recov	05/08/03	70.000	130.000
MS	Aluminum by ICP-MS	7429-90-5	n/a	% Recov	05/08/03	70.000	130.000
MS	Arsenic by ICP-MS	7440-38-2	91.564	% Recov	05/08/03	70.000	130.000
MS	Barium by ICP-MS	7440-39-3	109.568	% Recov	05/08/03	70.000	130.000
MS	Beryllium by ICP-MS	7440-41-7	100.309	% Recov	05/08/03	70.000	130.000
MS	Cadmium by ICP-MS	7440-43-9	98.766	% Recov	05/08/03	70.000	130.000
MS	Cobalt by ICP-MS	7440-48-4	101.852	% Recov	05/08/03	70.000	130.000
MS	Chromium by ICP-MS	7440-47-3	100.823	% Recov	05/08/03	70.000	130.000
MS	Copper by ICP-MS	7440-50-8	101.337	% Recov	05/08/03	70.000	130.000
MS	Mercury by ICP-MS	7439-97-6	90.535	% Recov	05/08/03	70.000	130.000
MS	Manganese by ICP-MS	7439-96-5	127.058	% Recov	05/08/03	70.000	130.000
MS	Molybdenum by ICP-MS	7439-98-7	86.934	% Recov	05/08/03	70.000	130.000
MS	Nickel by ICP-MS	7440-02-0	103.395	% Recov	05/08/03	70.000	130.000
MS	Lead by ICP-MS	7439-92-1	93.621	% Recov	05/08/03	70.000	130.000
MS	Antimony by ICP-MS	7440-36-0	86.934	% Recov	05/08/03	70.000	130.000
MS	Selenium by ICP-MS	7782-49-2	89.506	% Recov	05/08/03	70.000	130.000
MS	Thorium by ICP-MS	7440-29-1	97.222	% Recov	05/08/03	70.000	130.000
MS	Thallium by ICP-MS	7440-28-0	87.449	% Recov	05/08/03	70.000	130.000
MS	Uranium by ICP-MS	7440-61-1	91.049	% Recov	05/08/03	70.000	130.000
MS	Vanadium by ICP-MS	7440-62-2	107.510	% Recov	05/08/03	70.000	130.000
MS	Zinc by ICP-MS	7440-66-6	99.280	% Recov	05/08/03	70.000	130.000
MSD	Silver by ICP-MS	7440-22-4	83.506	% Recov	05/08/03	70.000	130.000
MSD	Aluminum by ICP-MS	7429-90-5	n/a	% Recov	05/08/03	70.000	130.000
MSD	Arsenic by ICP-MS	7440-38-2	93.361	% Recov	05/08/03	70.000	130.000
MSD	Barium by ICP-MS	7440-39-3	102.697	% Recov	05/08/03	70.000	130.000
MSD	Beryllium by ICP-MS	7440-41-7	99.585	% Recov	05/08/03	70.000	130.000
MSD	Cadmium by ICP-MS	7440-43-9	98.029	% Recov	05/08/03	70.000	130.000
MSD	Cobalt by ICP-MS	7440-48-4	101.660	% Recov	05/08/03	70.000	130.000
MSD	Chromium by ICP-MS	7440-47-3	102.178	% Recov	05/08/03	70.000	130.000
MSD	Copper by ICP-MS	7440-50-8	99.585	% Recov	05/08/03	70.000	130.000
MSD	Mercury by ICP-MS	7439-97-6	90.871	% Recov	05/08/03	70.000	130.000
MSD	Manganese by ICP-MS	7439-96-5	98.548	% Recov	05/08/03	70.000	130.000
MSD	Molybdenum by ICP-MS	7439-98-7	87.656	% Recov	05/08/03	70.000	130.000
MSD	Nickel by ICP-MS	7440-02-0	102.178	% Recov	05/08/03	70.000	130.000
MSD	Lead by ICP-MS	7439-92-1	91.286	% Recov	05/08/03	70.000	130.000
MSD	Antimony by ICP-MS	7440-36-0	85.581	% Recov	05/08/03	70.000	130.000
MSD	Selenium by ICP-MS	7782-49-2	89.730	% Recov	05/08/03	70.000	130.000
MSD	Thorium by ICP-MS	7440-29-1	95.436	% Recov	05/08/03	70.000	130.000
MSD	Thallium by ICP-MS	7440-28-0	86.618	% Recov	05/08/03	70.000	130.000
MSD	Uranium by ICP-MS	7440-61-1	89.212	% Recov	05/08/03	70.000	130.000
MSD	Vanadium by ICP-MS	7440-62-2	106.328	% Recov	05/08/03	70.000	130.000
MSD	Zinc by ICP-MS	7440-66-6	96.992	% Recov	05/08/03	70.000	130.000

BATCH QC

BLANK	Silver by ICP-MS	7440-22-4	<0.200	ug/L	05/08/03	-0.440	0.440

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20030588
Matrix: SOLID
Test: ICP-2008 MS All possible metal

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

QC Type	Analyte	CAS #	Results	Units	Analysis Date	Lower Limit	Upper Limit
BLANK	Silver by ICP-MS	7440-22-4	<0.200	ug/L	05/08/03	-0.440	0.440
BLANK	Silver by ICP-MS	7440-22-4	<0.200	ug/L	05/08/03	-0.440	0.440
BLANK	Silver by ICP-MS	7440-22-4	<0.200	ug/L	05/08/03	-0.440	0.440
BLANK	Aluminum by ICP-MS	7429-90-5	<11.0	ug/L	05/08/03	-24.200	24.200
BLANK	Aluminum by ICP-MS	7429-90-5	<11.0	ug/L	05/08/03	-24.200	24.200
BLANK	Aluminum by ICP-MS	7429-90-5	<11.0	ug/L	05/08/03	-24.200	24.200
BLANK	Aluminum by ICP-MS	7429-90-5	<11.0	ug/L	05/08/03	-24.200	24.200
BLANK	Arsenic by ICP-MS	7440-38-2	<0.300	ug/L	05/08/03	-0.660	0.660
BLANK	Arsenic by ICP-MS	7440-38-2	<0.300	ug/L	05/08/03	-0.660	0.660
BLANK	Arsenic by ICP-MS	7440-38-2	<0.300	ug/L	05/08/03	-0.660	0.660
BLANK	Arsenic by ICP-MS	7440-38-2	<0.300	ug/L	05/08/03	-0.660	0.660
BLANK	Barium by ICP-MS	7440-39-3	<0.200	ug/L	05/08/03	-0.440	0.440
BLANK	Barium by ICP-MS	7440-39-3	<0.200	ug/L	05/08/03	-0.440	0.440
BLANK	Barium by ICP-MS	7440-39-3	<0.200	ug/L	05/08/03	-0.440	0.440
BLANK	Barium by ICP-MS	7440-39-3	<0.200	ug/L	05/08/03	-0.440	0.440
BLANK	Beryllium by ICP-MS	7440-41-7	<0.300	ug/L	05/08/03	-0.660	0.660
BLANK	Beryllium by ICP-MS	7440-41-7	<0.300	ug/L	05/08/03	-0.660	0.660
BLANK	Beryllium by ICP-MS	7440-41-7	<0.300	ug/L	05/08/03	-0.660	0.660
BLANK	Beryllium by ICP-MS	7440-41-7	<0.300	ug/L	05/08/03	-0.660	0.660
BLANK	Cadmium by ICP-MS	7440-43-9	<0.100	ug/L	05/08/03	-0.220	0.220
BLANK	Cadmium by ICP-MS	7440-43-9	<0.100	ug/L	05/08/03	-0.220	0.220
BLANK	Cadmium by ICP-MS	7440-43-9	<0.100	ug/L	05/08/03	-0.220	0.220
BLANK	Cadmium by ICP-MS	7440-43-9	<0.100	ug/L	05/08/03	-0.220	0.220
BLANK	Cobalt by ICP-MS	7440-48-4	<0.200	ug/L	05/08/03	-0.440	0.440
BLANK	Cobalt by ICP-MS	7440-48-4	<0.200	ug/L	05/08/03	-0.440	0.440
BLANK	Cobalt by ICP-MS	7440-48-4	<0.200	ug/L	05/08/03	-0.440	0.440
BLANK	Cobalt by ICP-MS	7440-48-4	<0.200	ug/L	05/08/03	-0.440	0.440
BLANK	Chromium by ICP-MS	7440-47-3	<0.300	ug/L	05/08/03	-0.660	0.660
BLANK	Chromium by ICP-MS	7440-47-3	<0.300	ug/L	05/08/03	-0.660	0.660
BLANK	Chromium by ICP-MS	7440-47-3	<0.300	ug/L	05/08/03	-0.660	0.660
BLANK	Chromium by ICP-MS	7440-47-3	<0.300	ug/L	05/08/03	-0.660	0.660
BLANK	Copper by ICP-MS	7440-50-8	<0.500	ug/L	05/08/03	-1.100	1.100
BLANK	Copper by ICP-MS	7440-50-8	<0.500	ug/L	05/08/03	-1.100	1.100
BLANK	Copper by ICP-MS	7440-50-8	<0.500	ug/L	05/08/03	-1.100	1.100
BLANK	Copper by ICP-MS	7440-50-8	<0.500	ug/L	05/08/03	-1.100	1.100
BLANK	Mercury by ICP-MS	7439-97-6	<0.100	ug/L	05/08/03	-0.220	0.220
BLANK	Mercury by ICP-MS	7439-97-6	<0.100	ug/L	05/08/03	-0.220	0.220
BLANK	Mercury by ICP-MS	7439-97-6	<0.100	ug/L	05/08/03	-0.220	0.220
BLANK	Mercury by ICP-MS	7439-97-6	<0.100	ug/L	05/08/03	-0.220	0.220
BLANK	Manganese by ICP-MS	7439-96-5	<0.300	ug/L	05/08/03	-0.660	0.660
BLANK	Manganese by ICP-MS	7439-96-5	<0.300	ug/L	05/08/03	-0.660	0.660
BLANK	Manganese by ICP-MS	7439-96-5	<0.300	ug/L	05/08/03	-0.660	0.660
BLANK	Manganese by ICP-MS	7439-96-5	<0.300	ug/L	05/08/03	-0.660	0.660
BLANK	Molybdenum by ICP-MS	7439-98-7	<0.300	ug/L	05/08/03	-0.660	0.660
BLANK	Molybdenum by ICP-MS	7439-98-7	<0.300	ug/L	05/08/03	-0.660	0.660
BLANK	Molybdenum by ICP-MS	7439-98-7	<0.300	ug/L	05/08/03	-0.660	0.660

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20030588
Matrix: SOLID
Test: ICP-2008 MS All possible metal

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

QC Type	Analyte	CAS #	Results	Units	Analysis Date	Lower Limit	Upper Limit	
BLANK	Molybdenum by ICP-MS	7439-98-7	<0.300	ug/L	05/08/03	-0.660	0.660	
BLANK	Nickel by ICP-MS	7440-02-0	<0.500	ug/L	05/08/03	-1.100	1.100	
BLANK	Nickel by ICP-MS	7440-02-0	<0.500	ug/L	05/08/03	-1.100	1.100	
BLANK	Nickel by ICP-MS	7440-02-0	<0.500	ug/L	05/08/03	-1.100	1.100	
BLANK	Nickel by ICP-MS	7440-02-0	<0.500	ug/L	05/08/03	-1.100	1.100	
BLANK	Lead by ICP-MS	7439-92-1	<1.20	ug/L	05/08/03	-2.640	2.640	
BLANK	Lead by ICP-MS	7439-92-1	<1.20	ug/L	05/08/03	-2.640	2.640	
BLANK	Lead by ICP-MS	7439-92-1	<1.20	ug/L	05/08/03	-2.640	2.640	
BLANK	Lead by ICP-MS	7439-92-1	<1.20	ug/L	05/08/03	-2.640	2.640	
BLANK	Antimony by ICP-MS	7440-36-0	<0.500	ug/L	05/08/03	-1.100	1.100	
BLANK	Antimony by ICP-MS	7440-36-0	<0.500	ug/L	05/08/03	-1.100	1.100	
BLANK	Antimony by ICP-MS	7440-36-0	<0.500	ug/L	05/08/03	-1.100	1.100	
BLANK	Antimony by ICP-MS	7440-36-0	<0.500	ug/L	05/08/03	-1.100	1.100	
BLANK	Selenium by ICP-MS	7782-49-2	<0.300	ug/L	05/08/03	-0.660	0.660	
BLANK	Selenium by ICP-MS	7782-49-2	<0.300	ug/L	05/08/03	-0.660	0.660	
BLANK	Selenium by ICP-MS	7782-49-2	<0.300	ug/L	05/08/03	-0.660	0.660	
BLANK	Selenium by ICP-MS	7782-49-2	<0.300	ug/L	05/08/03	-0.660	0.660	
BLANK	Thorium by ICP-MS	7440-29-1	<0.200	ug/L	05/08/03	-0.440	0.440	
BLANK	Thorium by ICP-MS	7440-29-1	<0.200	ug/L	05/08/03	-0.440	0.440	
BLANK	Thorium by ICP-MS	7440-29-1	<0.200	ug/L	05/08/03	-0.440	0.440	
BLANK	Thorium by ICP-MS	7440-29-1	<0.200	ug/L	05/08/03	-0.440	0.440	
BLANK	Thallium by ICP-MS	7440-28-0	<0.100	ug/L	05/08/03	-0.220	0.220	
BLANK	Thallium by ICP-MS	7440-28-0	<0.100	ug/L	05/08/03	-0.220	0.220	
BLANK	Thallium by ICP-MS	7440-28-0	<0.100	ug/L	05/08/03	-0.220	0.220	
BLANK	Thallium by ICP-MS	7440-28-0	<0.100	ug/L	05/08/03	-0.220	0.220	
BLANK	Uranium by ICP-MS	7440-61-1	<0.100	ug/L	05/08/03	-0.220	0.220	
BLANK	Uranium by ICP-MS	7440-61-1	<0.100	ug/L	05/08/03	-0.220	0.220	
BLANK	Uranium by ICP-MS	7440-61-1	<0.100	ug/L	05/08/03	-0.220	0.220	
BLANK	Uranium by ICP-MS	7440-61-1	<0.100	ug/L	05/08/03	-0.220	0.220	
BLANK	Vanadium by ICP-MS	7440-62-2	<0.400	ug/L	05/08/03	-0.880	0.880	
BLANK	Vanadium by ICP-MS	7440-62-2	<0.400	ug/L	05/08/03	-0.880	0.880	
BLANK	Vanadium by ICP-MS	7440-62-2	<0.400	ug/L	05/08/03	-0.880	0.880	
BLANK	Vanadium by ICP-MS	7440-62-2	<0.400	ug/L	05/08/03	-0.880	0.880	
BLANK	Zinc by ICP-MS	7440-66-6	<4.00	ug/L	05/08/03	-8.800	8.800	
BLANK	Zinc by ICP-MS	7440-66-6	<4.00	ug/L	05/08/03	-8.800	8.800	
BLANK	Zinc by ICP-MS	7440-66-6	<4.00	ug/L	05/08/03	-8.800	8.800	
BLANK	Zinc by ICP-MS	7440-66-6	<4.00	ug/L	05/08/03	-8.800	8.800	
LCS	Silver by ICP-MS	7440-22-4	142.017	% Recov	05/08/03	85.000	115.000	*
LCS	Silver by ICP-MS	7440-22-4	143.697	% Recov	05/08/03	85.000	115.000	*
LCS	Silver by ICP-MS	7440-22-4	144.538	% Recov	05/08/03	85.000	115.000	*
LCS	Silver by ICP-MS	7440-22-4	152.941	% Recov	05/08/03	85.000	115.000	*
LCS	Aluminum by ICP-MS	7429-90-5	113.617	% Recov	05/08/03	85.000	115.000	
LCS	Aluminum by ICP-MS	7429-90-5	113.475	% Recov	05/08/03	85.000	115.000	
LCS	Aluminum by ICP-MS	7429-90-5	116.596	% Recov	05/08/03	85.000	115.000	*
LCS	Aluminum by ICP-MS	7429-90-5	122.270	% Recov	05/08/03	85.000	115.000	*
LCS	Arsenic by ICP-MS	7440-38-2	106.667	% Recov	05/08/03	85.000	115.000	

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20030588
Matrix: SOLID
Test: ICP-2008 MS All possible metal

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

QC Type	Analyte	CAS #	Results	Units	Analysis Date	Lower Limit	Upper Limit	
LCS	Arsenic by ICP-MS	7440-38-2	103.590	% Recov	05/08/03	85.000	115.000	
LCS	Arsenic by ICP-MS	7440-38-2	106.667	% Recov	05/08/03	85.000	115.000	
LCS	Arsenic by ICP-MS	7440-38-2	104.615	% Recov	05/08/03	85.000	115.000	
LCS	Barium by ICP-MS	7440-39-3	108.929	% Recov	05/08/03	85.000	115.000	
LCS	Barium by ICP-MS	7440-39-3	105.612	% Recov	05/08/03	85.000	115.000	
LCS	Barium by ICP-MS	7440-39-3	108.673	% Recov	05/08/03	85.000	115.000	
LCS	Barium by ICP-MS	7440-39-3	107.908	% Recov	05/08/03	85.000	115.000	
LCS	Beryllium by ICP-MS	7440-41-7	108.367	% Recov	05/08/03	85.000	115.000	
LCS	Beryllium by ICP-MS	7440-41-7	107.039	% Recov	05/08/03	85.000	115.000	
LCS	Beryllium by ICP-MS	7440-41-7	109.562	% Recov	05/08/03	85.000	115.000	
LCS	Beryllium by ICP-MS	7440-41-7	107.437	% Recov	05/08/03	85.000	115.000	
LCS	Cadmium by ICP-MS	7440-43-9	106.997	% Recov	05/08/03	85.000	115.000	
LCS	Cadmium by ICP-MS	7440-43-9	107.143	% Recov	05/08/03	85.000	115.000	
LCS	Cadmium by ICP-MS	7440-43-9	103.790	% Recov	05/08/03	85.000	115.000	
LCS	Cadmium by ICP-MS	7440-43-9	110.350	% Recov	05/08/03	85.000	115.000	
LCS	Cobalt by ICP-MS	7440-48-4	103.699	% Recov	05/08/03	85.000	115.000	
LCS	Cobalt by ICP-MS	7440-48-4	107.514	% Recov	05/08/03	85.000	115.000	
LCS	Cobalt by ICP-MS	7440-48-4	102.775	% Recov	05/08/03	85.000	115.000	
LCS	Cobalt by ICP-MS	7440-48-4	105.896	% Recov	05/08/03	85.000	115.000	
LCS	Chromium by ICP-MS	7440-47-3	105.202	% Recov	05/08/03	85.000	115.000	
LCS	Chromium by ICP-MS	7440-47-3	106.936	% Recov	05/08/03	85.000	115.000	
LCS	Chromium by ICP-MS	7440-47-3	100.116	% Recov	05/08/03	85.000	115.000	
LCS	Chromium by ICP-MS	7440-47-3	100.000	% Recov	05/08/03	85.000	115.000	
LCS	Copper by ICP-MS	7440-50-8	103.937	% Recov	05/08/03	85.000	115.000	
LCS	Copper by ICP-MS	7440-50-8	104.724	% Recov	05/08/03	85.000	115.000	
LCS	Copper by ICP-MS	7440-50-8	108.661	% Recov	05/08/03	85.000	115.000	
LCS	Copper by ICP-MS	7440-50-8	109.449	% Recov	05/08/03	85.000	115.000	
LCS	Mercury by ICP-MS	7439-97-6	86.397	% Recov	05/08/03	85.000	115.000	
LCS	Mercury by ICP-MS	7439-97-6	83.953	% Recov	05/08/03	85.000	115.000	*
LCS	Mercury by ICP-MS	7439-97-6	89.054	% Recov	05/08/03	85.000	115.000	
LCS	Mercury by ICP-MS	7439-97-6	86.928	% Recov	05/08/03	85.000	115.000	
LCS	Manganese by ICP-MS	7439-96-5	119.570	% Recov	05/08/03	85.000	115.000	*
LCS	Manganese by ICP-MS	7439-96-5	111.183	% Recov	05/08/03	85.000	115.000	
LCS	Manganese by ICP-MS	7439-96-5	114.839	% Recov	05/08/03	85.000	115.000	
LCS	Manganese by ICP-MS	7439-96-5	110.108	% Recov	05/08/03	85.000	115.000	
LCS	Molybdenum by ICP-MS	7439-98-7	105.576	% Recov	05/08/03	85.000	115.000	
LCS	Molybdenum by ICP-MS	7439-98-7	103.152	% Recov	05/08/03	85.000	115.000	
LCS	Molybdenum by ICP-MS	7439-98-7	100.727	% Recov	05/08/03	85.000	115.000	
LCS	Molybdenum by ICP-MS	7439-98-7	103.515	% Recov	05/08/03	85.000	115.000	
LCS	Nickel by ICP-MS	7440-02-0	114.713	% Recov	05/08/03	85.000	115.000	
LCS	Nickel by ICP-MS	7440-02-0	120.813	% Recov	05/08/03	85.000	115.000	*
LCS	Nickel by ICP-MS	7440-02-0	118.182	% Recov	05/08/03	85.000	115.000	*
LCS	Nickel by ICP-MS	7440-02-0	115.431	% Recov	05/08/03	85.000	115.000	*
LCS	Lead by ICP-MS	7439-92-1	106.878	% Recov	05/08/03	85.000	115.000	
LCS	Lead by ICP-MS	7439-92-1	105.820	% Recov	05/08/03	85.000	115.000	
LCS	Lead by ICP-MS	7439-92-1	106.878	% Recov	05/08/03	85.000	115.000	

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20030588
Matrix: SOLID
Test: ICP-2008 MS All possible metal

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

QC Type	Analyte	CAS #	Results	Units	Analysis Date	Lower Limit	Upper Limit	
LCS	Lead by ICP-MS	7439-92-1	102.646	% Recov	05/08/03	85.000	115.000	
LCS	Antimony by ICP-MS	7440-36-0	98.551	% Recov	05/08/03	85.000	115.000	
LCS	Antimony by ICP-MS	7440-36-0	101.449	% Recov	05/08/03	85.000	115.000	
LCS	Antimony by ICP-MS	7440-36-0	102.174	% Recov	05/08/03	85.000	115.000	
LCS	Antimony by ICP-MS	7440-36-0	104.348	% Recov	05/08/03	85.000	115.000	
LCS	Selenium by ICP-MS	7782-49-2	107.018	% Recov	05/08/03	85.000	115.000	
LCS	Selenium by ICP-MS	7782-49-2	107.895	% Recov	05/08/03	85.000	115.000	
LCS	Selenium by ICP-MS	7782-49-2	108.772	% Recov	05/08/03	85.000	115.000	
LCS	Selenium by ICP-MS	7782-49-2	108.772	% Recov	05/08/03	85.000	115.000	
LCS	Thorium by ICP-MS	7440-29-1	99.227	% Recov	05/08/03	85.000	115.000	
LCS	Thorium by ICP-MS	7440-29-1	97.680	% Recov	05/08/03	85.000	115.000	
LCS	Thorium by ICP-MS	7440-29-1	95.361	% Recov	05/08/03	85.000	115.000	
LCS	Thorium by ICP-MS	7440-29-1	97.165	% Recov	05/08/03	85.000	115.000	
LCS	Thallium by ICP-MS	7440-28-0	102.410	% Recov	05/08/03	85.000	115.000	
LCS	Thallium by ICP-MS	7440-28-0	105.422	% Recov	05/08/03	85.000	115.000	
LCS	Thallium by ICP-MS	7440-28-0	105.422	% Recov	05/08/03	85.000	115.000	
LCS	Thallium by ICP-MS	7440-28-0	106.426	% Recov	05/08/03	85.000	115.000	
LCS	Uranium by ICP-MS	7440-61-1	90.979	% Recov	05/08/03	85.000	115.000	
LCS	Uranium by ICP-MS	7440-61-1	95.103	% Recov	05/08/03	85.000	115.000	
LCS	Uranium by ICP-MS	7440-61-1	96.134	% Recov	05/08/03	85.000	115.000	
LCS	Uranium by ICP-MS	7440-61-1	95.103	% Recov	05/08/03	85.000	115.000	
LCS	Vanadium by ICP-MS	7440-62-2	103.659	% Recov	05/08/03	85.000	115.000	
LCS	Vanadium by ICP-MS	7440-62-2	107.317	% Recov	05/08/03	85.000	115.000	
LCS	Vanadium by ICP-MS	7440-62-2	107.927	% Recov	05/08/03	85.000	115.000	
LCS	Vanadium by ICP-MS	7440-62-2	110.976	% Recov	05/08/03	85.000	115.000	
LCS	Zinc by ICP-MS	7440-66-6	116.604	% Recov	05/08/03	85.000	115.000	*
LCS	Zinc by ICP-MS	7440-66-6	120.377	% Recov	05/08/03	85.000	115.000	*
LCS	Zinc by ICP-MS	7440-66-6	112.830	% Recov	05/08/03	85.000	115.000	
LCS	Zinc by ICP-MS	7440-66-6	113.585	% Recov	05/08/03	85.000	115.000	

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20030588
Matrix: SOLID
Test: Uranium Isotopics by AEA

SAF Number: F03-006
Sample Date: 04/28/03
Receive Date: 04/28/03

QC Type	Analyte	CAS #	Results	Units	Analysis Date	Lower Limit	Upper Limit
Lab ID: W030000236							
BATCH QC ASSOCIATED WITH SAMPLE							
DUP	U-238 by AEA	24678-82-8	5.714	RPD	05/12/03	0.000	20.000
BATCH QC							
BLANK	U-238 by AEA	24678-82-8	1.9e-03	PCG	05/12/03	0.000	1000.000
LCS	U-238 by AEA	24678-82-8	106.500	% Recov	05/12/03	75.000	125.000

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20030588
Matrix: SOLID
Test: Plutonium Isotopics by AEA

SAF Number: F03-006
Sample Date: 04/28/03
Receive Date: 04/28/03

QC Type	Analyte	CAS #	Results	Units	Analysis Date	Lower Limit	Upper Limit	
Lab ID: W030000236								
BATCH QC ASSOCIATED WITH SAMPLE								
DUP	Pu-239/240 by AEA	PU-239/240	-4.878	RPD	05/15/03	0.000	20.000	*
BATCH QC								
BLANK	Pu-239/240 by AEA	PU-239/240	5.7e-03	PCG	05/15/03	0.000	1000.000	
LCS	Pu-239/240 by AEA	PU-239/240	90.000	% Recov	05/15/03	75.000	125.000	

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20030588
Matrix: SOLID
Test: Americium by AEA

SAF Number: F03-006
Sample Date: 04/28/03
Receive Date: 04/28/03

QC Type	Analyte	CAS #	Results	Units	Analysis Date	Lower Limit	Upper Limit	
Lab ID: W030000236								
BATCH QC ASSOCIATED WITH SAMPLE								
DUP	Am-241 by AEA	14596-10-2	104.462	RPD	05/15/03	0.000	20.000	*
BATCH QC								
BLANK	Am-241 by AEA	14596-10-2	3.5e-02	PCG	05/15/03	0.000	1000.000	
LCS	Am-241 by AEA	14596-10-2	103.000	% Recov	05/15/03	75.000	125.000	

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20030588
Matrix: SOLID
Test: Cyanide by Midi/Spectrophotom

SAF Number: F03-006
Sample Date: 04/28/03
Receive Date: 04/28/03

Lab ID: W030000236

BATCH QC ASSOCIATED WITH SAMPLE

QC Type	Analyte	CAS #	Results	Units	Analysis Date	Lower Limit	Upper Limit
MS	Cyanide by Midi/Spectrophotom	57-12-5	92.600	% Recov	05/20/03	75.000	125.000
MSD	Cyanide by Midi/Spectrophotom	57-12-5	100.900	% Recov	05/20/03	75.000	125.000
SPK-RPD	Cyanide by Midi/Spectrophotom	57-12-5	8.579	Ratio	05/20/03	0.000	20.000

BATCH QC

QC Type	Analyte	CAS #	Results	Units	Analysis Date	Lower Limit	Upper Limit
BLANK	Cyanide by Midi/Spectrophotom	57-12-5	3.172	Ratio	05/20/03	-2.000	2.000
BLNK-PREP	Cyanide by Midi/Spectrophotom	57-12-5	2.764	Ratio	05/20/03	-4.000	4.000
DUP	Cyanide by Midi/Spectrophotom	57-12-5	n/a	Ratio	05/20/03	0.000	20.000
LCS	Cyanide by Midi/Spectrophotom	57-12-5	106.100	% Recov	05/20/03	90.000	110.000
LCS-2	Cyanide by Midi/Spectrophotom	57-12-5	n/a	% Recov	05/20/03	80.000	120.000

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20030588
Matrix: SOLID
Test: Anions by Ion Chromatography

SAF Number: F03-006
Sample Date: 04/28/03
Receive Date: 04/28/03

Lab ID: W030000236

BATCH QC ASSOCIATED WITH SAMPLE

QC Type	Analyte	CAS #	Results	Units	Analysis Date	Lower Limit	Upper Limit
DUP	Bromide (Br) by IC	24959-67-9	n/a	RPD	05/20/03	0.000	20.000
DUP	Chloride (Cl) by IC	16887-00-6	6.742	RPD	05/20/03	0.000	20.000
DUP	Fluoride (F) by IC	16984-48-8	0.948	RPD	05/20/03	0.000	20.000
DUP	Nitrite (N) by IC	NO2-N	0.000	RPD	05/20/03	0.000	20.000
DUP	Nitrate (N) by IC	NO3-N	19.225	RPD	05/20/03	0.000	20.000
DUP	Phosphate (P) by IC	14265-44-2	n/a	RPD	05/20/03	0.000	20.000
DUP	Sulfate (SO4) by IC	14808-79-8	4.847	RPD	05/20/03	0.000	20.000
MS	Bromide (Br) by IC	24959-67-9	92.965	% Recov	05/20/03	75.000	125.000
MS	Chloride (Cl) by IC	16887-00-6	95.051	% Recov	05/20/03	75.000	125.000
MS	Fluoride (F) by IC	16984-48-8	99.387	% Recov	05/20/03	75.000	125.000
MS	Nitrite (N) by IC	NO2-N	91.865	% Recov	05/20/03	75.000	125.000
MS	Nitrate (N) by IC	NO3-N	90.135	% Recov	05/20/03	75.000	125.000
MS	Phosphate (P) by IC	14265-44-2	80.918	% Recov	05/20/03	75.000	125.000
MS	Sulfate (SO4) by IC	14808-79-8	94.924	% Recov	05/20/03	75.000	125.000
MSD	Bromide (Br) by IC	24959-67-9	97.990	% Recov	05/20/03	75.000	125.000
MSD	Chloride (Cl) by IC	16887-00-6	109.091	% Recov	05/20/03	75.000	125.000
MSD	Fluoride (F) by IC	16984-48-8	111.861	% Recov	05/20/03	75.000	125.000
MSD	Nitrite (N) by IC	NO2-N	104.365	% Recov	05/20/03	75.000	125.000
MSD	Nitrate (N) by IC	NO3-N	88.341	% Recov	05/20/03	75.000	125.000
MSD	Phosphate (P) by IC	14265-44-2	92.596	% Recov	05/20/03	75.000	125.000
MSD	Sulfate (SO4) by IC	14808-79-8	109.645	% Recov	05/20/03	75.000	125.000

BATCH QC

BLANK	Bromide (Br) by IC	24959-67-9	<4.50e-2	mg/L	05/20/03	0.000	300.000
BLANK	Bromide (Br) by IC	24959-67-9	<4.50e-2	mg/L	05/21/03	0.000	300.000
BLANK	Chloride (Cl) by IC	16887-00-6	<1.40e-2	mg/L	05/21/03	0.000	300.000
BLANK	Chloride (Cl) by IC	16887-00-6	<1.40e-2	mg/L	05/20/03	0.000	300.000
BLANK	Fluoride (F) by IC	16984-48-8	<7.00e-3	mg/L	05/21/03	0.000	300.000
BLANK	Fluoride (F) by IC	16984-48-8	<7.00e-3	mg/L	05/20/03	0.000	300.000
BLANK	Nitrite (N) by IC	NO2-N	<9.00e-3	mg/L	05/21/03	0.000	300.000
BLANK	Nitrite (N) by IC	NO2-N	<9.00e-3	mg/L	05/20/03	0.000	300.000
BLANK	Nitrate (N) by IC	NO3-N	<5.00e-3	mg/L	05/21/03	0.000	300.000
BLANK	Nitrate (N) by IC	NO3-N	<5.00e-3	mg/L	05/20/03	0.000	300.000
BLANK	Phosphate (P) by IC	14265-44-2	<1.30e-2	mg/L	05/20/03	0.000	300.000
BLANK	Phosphate (P) by IC	14265-44-2	<1.30e-2	mg/L	05/21/03	0.000	300.000
BLANK	Sulfate (SO4) by IC	14808-79-8	<2.40e-2	mg/L	05/20/03	0.000	300.000
BLANK	Sulfate (SO4) by IC	14808-79-8	<2.40e-2	mg/L	05/21/03	0.000	300.000
LCS	Bromide (Br) by IC	24959-67-9	98.504	% Recov	05/20/03	80.000	120.000
LCS	Chloride (Cl) by IC	16887-00-6	98.500	% Recov	05/20/03	80.000	120.000
LCS	Fluoride (F) by IC	16984-48-8	106.383	% Recov	05/20/03	80.000	120.000
LCS	Nitrite (N) by IC	NO2-N	91.863	% Recov	05/20/03	80.000	120.000
LCS	Nitrate (N) by IC	NO3-N	97.891	% Recov	05/20/03	80.000	120.000

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20030588
Matrix: SOLID
Test: Anions by Ion Chromatography

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

QC Type	Analyte	CAS #	Results	Units	Analysis Date	Lower Limit	Upper Limit
LCS	Phosphate (P) by IC	14265-44-2	96.491	% Recov	05/20/03	80.000	120.000
LCS	Sulfate (SO4) by IC	14808-79-8	98.496	% Recov	05/20/03	80.000	120.000

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20030588
Matrix: SOLID
Test: NWTPH-GX TPH Gasoline Range

SAF Number: F03-006
Sample Date: 04/28/03
Receive Date: 04/28/03

Lab ID: W030000236

BATCH QC ASSOCIATED WITH SAMPLE

QC Type	Analyte	CAS #	Results	Units	Analysis Date	Lower Limit	Upper Limit
DUP	Total Pet. Hydrocarbons Gas	TPH-G	n/a	RPD	05/07/03	0.000	20.000
MS	Total Pet. Hydrocarbons Gas	TPH-G	88.000	% Recov	05/07/03	50.000	150.000
MSD	Total Pet. Hydrocarbons Gas	TPH-G	91.000	% Recov	05/07/03	50.000	150.000
SPK-RPD	Total Pet. Hydrocarbons Gas	TPH-G	3.352	RPD	05/07/03	0.000	20.000

BATCH QC

QC Type	Analyte	CAS #	Results	Units	Analysis Date	Lower Limit	Upper Limit
BLANK	Total Pet. Hydrocarbons Gas	TPH-G	<100	mg/L	05/07/03	0.000	300.000
LCS	Total Pet. Hydrocarbons Gas	TPH-G	97.000	% Recov	05/07/03	85.000	115.000

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20030588
Matrix: SOLID
Test: Alcohols, Glycols - 8015

SAF Number: F03-006
Sample Date: 04/28/03
Receive Date: 04/28/03

Lab ID: W030000236

BATCH QC ASSOCIATED WITH SAMPLE

QC Type	Analyte	CAS #	Results	Units	Analysis Date	Lower Limit	Upper Limit
MS	2-Bromoethanol	540-51-2	106.000	%Recove	05/21/03	70.000	125.000
MS	Diethyl ether	60-29-7	99.000	%Recove	05/21/03	75.000	125.000
MS	Ethylene glycol	107-21-1	112.000	%Recove	05/21/03	75.000	125.000
MS	Methanol	67-56-1	104.000	%Recove	05/21/03	75.000	125.000
MSD	2-Bromoethanol	540-51-2	114.000	%Recove	05/21/03	70.000	125.000
MSD	Diethyl ether	60-29-7	97.000	%Recove	05/21/03	75.000	125.000
MSD	Ethylene glycol	107-21-1	118.000	%Recove	05/21/03	75.000	125.000
MSD	Methanol	67-56-1	94.000	%Recove	05/21/03	75.000	125.000
SPK-RPD	2-Bromoethanol	540-51-2	7.273	RPD	05/21/03	0.000	20.000
SPK-RPD	Diethyl ether	60-29-7	2.041	RPD	05/21/03	0.000	20.000
SPK-RPD	Ethylene glycol	107-21-1	5.217	RPD	05/21/03	0.000	20.000
SPK-RPD	Methanol	67-56-1	10.101	RPD	05/21/03	0.000	20.000

BATCH QC

BLANK	2-Bromoethanol	540-51-2	98	ug/Kg	05/21/03	0.000	10.000
BLANK	Diethyl ether	60-29-7	<5000	ug/Kg	05/21/03	0.000	10.000
BLANK	Ethylene glycol	107-21-1	<5000	ug/Kg	05/21/03	0.000	5.000
BLANK	Methanol	67-56-1	<1000	ug/Kg	05/21/03	0.000	10.000
LCS	2-Bromoethanol	540-51-2	82.000	%Recove	05/21/03	70.000	130.000
LCS	Diethyl ether	60-29-7	114.000	%Recove	05/21/03	70.000	130.000
LCS	Ethylene glycol	107-21-1	87.000	%Recove	05/21/03	70.000	130.000
LCS	Methanol	67-56-1	97.000	%Recove	05/21/03	70.000	130.000

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20030588
Matrix: SOLID
Test: WTPH-D TPH Diesel Range (Wa)

SAF Number: F03-006
Sample Date: 04/28/03
Receive Date: 04/28/03

QC Type	Analyte	CAS #	Results	Units	Analysis Date	Lower Limit	Upper Limit
Lab ID: W030000236							
BATCH QC ASSOCIATED WITH SAMPLE							
SURR	ortho-Terphenyl	84-15-1	70.600	% Recov	05/21/03	70.000	130.000
Lab ID: W030000239							
BATCH QC ASSOCIATED WITH SAMPLE							
MS	Kerosene	8008-20-6	93.700	%Recove	05/21/03	70.000	130.000
MS	ortho-Terphenyl	84-15-1	70.500	% Recov	05/21/03	70.000	130.000
MSD	Kerosene	8008-20-6	87.800	%Recove	05/21/03	70.000	130.000
MSD	ortho-Terphenyl	84-15-1	84.700	% Recov	05/21/03	70.000	130.000
SPK-RPD	ortho-Terphenyl	84-15-1	18.299	RPD	05/21/03	0.000	20.000
SURR	ortho-Terphenyl	84-15-1	91.800	% Recov	05/21/03	70.000	130.000
Lab ID: W030000240							
BATCH QC ASSOCIATED WITH SAMPLE							
SURR	ortho-Terphenyl	84-15-1	82.300	% Recov	05/21/03	70.000	130.000
BATCH QC							
BLANK	Kerosene	8008-20-6	< 4000	ug/Kg	05/21/03	0.000	100.000
BLANK	ortho-Terphenyl	84-15-1	15990	ug/Kg	05/21/03	70.000	130.000
BLANK	Total Pet. Hydrocarbons Diesel	68476-34-6	< 4000	ug/Kg	05/21/03	0.000	300.000
LCS	ortho-Terphenyl	84-15-1	86.000	% Recov	05/21/03	70.000	130.000
LCS	Total Pet. Hydrocarbons Diesel	68476-34-6	105.000	% Recov	05/21/03	80.000	120.000

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20030588
Matrix: SOLID
Test: PCBs complete list

SAF Number: F03-006
Sample Date: 04/28/03
Receive Date: 04/28/03

QC Type	Analyte		CAS #	Results	Units	Analysis Date	Lower Limit	Upper Limit
Lab ID: W030000236								
BATCH QC ASSOCIATED WITH SAMPLE								
SURR	Decachlorobiphenyl	Surr	2051-24-3	97.600	% Recov	05/21/03	50.000	150.000
SURR	Tetrachloro-m-xylene	Surr	877-09-8	86.000	% Recov	05/21/03	50.000	150.000
Lab ID: W030000239								
BATCH QC ASSOCIATED WITH SAMPLE								
MS	Aroclor-1254		11097-69-1	114.000	% Recov	05/21/03	75.000	125.000
MS	Decachlorobiphenyl	Surr	2051-24-3	82.600	% Recov	05/21/03	50.000	150.000
MS	Tetrachloro-m-xylene	Surr	877-09-8	76.900	% Recov	05/21/03	50.000	150.000
MSD	Aroclor-1254		11097-69-1	117.000	% Recov	05/21/03	75.000	125.000
MSD	Decachlorobiphenyl	Surr	2051-24-3	84.100	% Recov	05/21/03	50.000	150.000
MSD	Tetrachloro-m-xylene	Surr	877-09-8	79.400	% Recov	05/21/03	50.000	150.000
SPK-RPD	Aroclor-1254		11097-69-1	2.597	RPD	05/21/03	0.000	25.000
SPK-RPD	Decachlorobiphenyl	Surr	2051-24-3	1.800	RPD	05/21/03	0.000	20.000
SPK-RPD	Tetrachloro-m-xylene	Surr	877-09-8	3.199	RPD	05/21/03	0.000	20.000
SURR	Decachlorobiphenyl	Surr	2051-24-3	91.200	% Recov	05/21/03	50.000	150.000
SURR	Tetrachloro-m-xylene	Surr	877-09-8	86.400	% Recov	05/21/03	50.000	150.000
Lab ID: W030000240								
BATCH QC ASSOCIATED WITH SAMPLE								
SURR	Decachlorobiphenyl	Surr	2051-24-3	80.700	% Recov	05/21/03	50.000	150.000
SURR	Tetrachloro-m-xylene	Surr	877-09-8	79.200	% Recov	05/21/03	50.000	150.000
BATCH QC								
BLANK	Aroclor-1016		12674-11-2	< 50	ug/Kg	05/21/03		
BLANK	Aroclor-1221		11104-28-2	< 50	ug/Kg	05/21/03		
BLANK	Aroclor-1232		11141-16-5	< 50	ug/Kg	05/21/03		
BLANK	Aroclor-1242		53469-21-9	< 50	ug/Kg	05/21/03		
BLANK	Aroclor-1248		12672-29-6	< 50	ug/Kg	05/21/03		
BLANK	Aroclor-1254		11097-69-1	< 50	ug/Kg	05/21/03		
BLANK	Aroclor-1260		11096-82-5	< 50	ug/Kg	05/21/03		
BLANK	Aroclor-1262		37324-23-5	< 50	ug/Kg	05/21/03		
BLANK	Aroclor-1268		11100-14-4	< 50	ug/Kg	05/21/03		
BLANK	Decachlorobiphenyl	Surr	2051-24-3	87.000	% Recov	05/21/03	50.000	150.000
BLANK	Tetrachloro-m-xylene	Surr	877-09-8	83.100	% Recov	05/21/03	50.000	150.000
LCS	Aroclor-1254		11097-69-1	90.700	% Recov	05/21/03	70.000	130.000
LCS	Decachlorobiphenyl	Surr	2051-24-3	86.400	% Recov	05/21/03	50.000	150.000
LCS	Tetrachloro-m-xylene	Surr	877-09-8	79.400	% Recov	05/21/03	50.000	150.000

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20030588
Matrix: SOLID
Test: VOA Ground Water Protection

SAF Number: F03-006
Sample Date: 04/28/03
Receive Date: 04/28/03

QC Type	Analyte	CAS #	Results	Units	Analysis Date	Lower Limit	Upper Limit
Lab ID: W030000236							
BATCH QC ASSOCIATED WITH SAMPLE							
MS	1,1-Dichloroethene	75-35-4	102.000	% Recov	05/07/03	63.000	117.000
MS	Benzene	71-43-2	112.000	% Recov	05/07/03	75.000	129.000
MS	4-Bromofluorobenzene Surr	460-00-4	101.000	% Recov	05/07/03	84.000	116.000
MS	Chlorobenzene	108-90-7	112.000	% Recov	05/07/03	79.000	119.000
MS	1,2-Dichloroethane-d4 Surr	17060-07-0	104.000	% Recov	05/07/03	82.000	136.000
MS	Toluene-d8 Surr	2037-26-5	104.000	% Recov	05/07/03	89.000	119.000
MS	Toluene	108-88-3	112.000	% Recov	05/07/03	76.000	120.000
MS	Trichloroethene	79-01-6	112.000	% Recov	05/07/03	73.000	123.000
MSD	1,1-Dichloroethene	75-35-4	92.900	% Recov	05/07/03	63.000	117.000
MSD	Benzene	71-43-2	108.000	% Recov	05/07/03	75.000	129.000
MSD	4-Bromofluorobenzene Surr	460-00-4	103.000	% Recov	05/07/03	84.000	116.000
MSD	Chlorobenzene	108-90-7	112.000	% Recov	05/07/03	79.000	119.000
MSD	1,2-Dichloroethane-d4 Surr	17060-07-0	108.000	% Recov	05/07/03	82.000	136.000
MSD	Toluene-d8 Surr	2037-26-5	107.000	% Recov	05/07/03	89.000	119.000
MSD	Toluene	108-88-3	110.000	% Recov	05/07/03	76.000	120.000
MSD	Trichloroethene	79-01-6	108.000	% Recov	05/07/03	73.000	123.000
SURR	4-Bromofluorobenzene Surr	460-00-4	100.000	% Recov	05/07/03	71.000	125.000
SURR	1,2-Dichloroethane-d4 Surr	17060-07-0	110.000	% Recov	05/07/03	80.000	134.000
SURR	Toluene-d8 Surr	2037-26-5	110.000	% Recov	05/07/03	80.000	126.000
Lab ID: W030000239							
BATCH QC ASSOCIATED WITH SAMPLE							
SURR	4-Bromofluorobenzene Surr	460-00-4	99.800	% Recov	05/07/03	71.000	125.000
SURR	1,2-Dichloroethane-d4 Surr	17060-07-0	104.000	% Recov	05/07/03	80.000	134.000
SURR	Toluene-d8 Surr	2037-26-5	104.000	% Recov	05/07/03	80.000	126.000
Lab ID: W030000240							
BATCH QC ASSOCIATED WITH SAMPLE							
SURR	4-Bromofluorobenzene Surr	460-00-4	99.000	% Recov	05/07/03	71.000	125.000
SURR	1,2-Dichloroethane-d4 Surr	17060-07-0	110.000	% Recov	05/07/03	80.000	134.000
SURR	Toluene-d8 Surr	2037-26-5	100.000	% Recov	05/07/03	80.000	126.000
Lab ID: W030000246							
BATCH QC ASSOCIATED WITH SAMPLE							
MS	1,1-Dichloroethene	75-35-4	90.000	% Recov	05/07/03	63.000	117.000
MS	Benzene	71-43-2	106.000	% Recov	05/07/03	75.000	129.000
MS	4-Bromofluorobenzene Surr	460-00-4	99.000	% Recov	05/07/03	84.000	116.000
MS	Chlorobenzene	108-90-7	110.000	% Recov	05/07/03	79.000	119.000
MS	1,2-Dichloroethane-d4 Surr	17060-07-0	110.000	% Recov	05/07/03	82.000	136.000
MS	Toluene-d8 Surr	2037-26-5	100.000	% Recov	05/07/03	89.000	119.000
MS	Toluene	108-88-3	106.000	% Recov	05/07/03	76.000	120.000
MS	Trichloroethene	79-01-6	106.000	% Recov	05/07/03	73.000	123.000

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20030588
Matrix: SOLID
Test: VOA Ground Water Protection

SAF Number: F03-006
Sample Date: 04/29/03
Receive Date: 04/29/03

QC Type	Analyte	CAS #	Results	Units	Analysis Date	Lower Limit	Upper Limit
MSD	1,1-Dichloroethene	75-35-4	89.400	% Recov	05/07/03	63.000	117.000
MSD	Benzene	71-43-2	106.000	% Recov	05/07/03	75.000	129.000
MSD	4-Bromofluorobenzene Surr	460-00-4	98.800	% Recov	05/07/03	84.000	116.000
MSD	Chlorobenzene	108-90-7	108.000	% Recov	05/07/03	79.000	119.000
MSD	1,2-Dichloroethane-d4 Surr	17060-07-0	104.000	% Recov	05/07/03	82.000	136.000
MSD	Toluene-d8 Surr	2037-26-5	104.000	% Recov	05/07/03	89.000	119.000
MSD	Toluene	108-88-3	108.000	% Recov	05/07/03	76.000	120.000
MSD	Trichloroethene	79-01-6	104.000	% Recov	05/07/03	73.000	123.000
SPK-RPD	1,1-Dichloroethene	75-35-4	0.669	RPD	05/07/03	0.000	25.000
SPK-RPD	Benzene	71-43-2	0.000	RPD	05/07/03	0.000	25.000
SPK-RPD	4-Bromofluorobenzene Surr	460-00-4	0.202	RPD	05/07/03	0.000	25.000
SPK-RPD	Chlorobenzene	108-90-7	1.835	RPD	05/07/03	0.000	25.000
SPK-RPD	1,2-Dichloroethane-d4 Surr	17060-07-0	5.607	RPD	05/07/03	0.000	25.000
SPK-RPD	Toluene-d8 Surr	2037-26-5	3.922	RPD	05/07/03	0.000	25.000
SPK-RPD	Toluene	108-88-3	1.889	RPD	05/07/03	0.000	25.000
SPK-RPD	Trichloroethene	79-01-6	1.905	RPD	05/07/03	0.000	25.000

BATCH QC

BLANK	1,1-Dichloroethane	75-34-3	< 1.0	ug/Kg	05/07/03		
BLANK	1,1,1-Trichloroethane	71-55-6	< 1.0	ug/Kg	05/07/03		
BLANK	1,1,2-Trichloroethane	79-00-5	< 1.0	ug/Kg	05/07/03		
BLANK	1,1,2,2-Tetrachloroethane	79-34-5	< 1.0	ug/Kg	05/07/03		
BLANK	1,1-Dichloroethene	75-35-4	< 1.0	ug/Kg	05/07/03		
BLANK	1,2-Dichloroethane	107-06-2	< 1.0	ug/Kg	05/07/03		
BLANK	1,2-Dichloroethene (cis & tran	540-59-0	< 1.0	ug/Kg	05/07/03		
BLANK	1-Butanol	71-36-3	< 10	ug/Kg	05/07/03		
BLANK	2-Hexanone	591-78-6	< 1.0	ug/Kg	05/07/03		
BLANK	2-Pentanone	107-87-9	< 1.0	ug/Kg	05/07/03		
BLANK	4-Methyl-2-pentanone	108-10-1	< 1.0	ug/Kg	05/07/03		
BLANK	Acetone	67-64-1	< 1.0	ug/Kg	05/07/03		
BLANK	Bromodichloromethane	75-27-4	< 1.0	ug/Kg	05/07/03		
BLANK	Benzene	71-43-2	< 1.0	ug/Kg	05/07/03		
BLANK	4-Bromofluorobenzene Surr	460-00-4	98.000	% Recov	05/07/03	71.000	125.000
BLANK	Bromoform	75-25-2	< 1.0	ug/Kg	05/07/03		
BLANK	n-Butylbenzene	104-51-8	< 1.0	ug/Kg	05/07/03		
BLANK	Carbon Disulfide	75-15-0	< 1.0	ug/Kg	05/07/03		
BLANK	Carbon Tetrachloride	56-23-5	< 1.0	ug/Kg	05/07/03		
BLANK	Dibromochloromethane	124-48-1	< 1.0	ug/Kg	05/07/03		
BLANK	Chloroform	67-66-3	< 1.0	ug/Kg	05/07/03		
BLANK	Chlorobenzene	108-90-7	< 1.0	ug/Kg	05/07/03		
BLANK	cis-1,3-Dichloropropene	10061-01-5	< 1.0	ug/Kg	05/07/03		
BLANK	Chloroethane	75-00-3	< 1.0	ug/Kg	05/07/03		
BLANK	1,2-Dichloroethane-d4 Surr	17060-07-0	102.000	% Recov	05/07/03	80.000	134.000
BLANK	1,2-Dichloropropane	78-87-5	< 1.0	ug/Kg	05/07/03		
BLANK	Ethylbenzene	100-41-4	< 1.0	ug/Kg	05/07/03		
BLANK	Bromomethane	74-83-9	< 1.0	ug/Kg	05/07/03		

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20030588
Matrix: SOLID
Test: VOA Ground Water Protection

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

QC Type	Analyte	CAS #	Results	Units	Analysis Date	Lower Limit	Upper Limit
BLANK	Chloromethane	74-87-3	< 1.0	ug/Kg	05/07/03		
BLANK	2-Butanone	78-93-3	< 1.0	ug/Kg	05/07/03		
BLANK	Methylene Chloride	75-09-2	< 1.0	ug/Kg	05/07/03		
BLANK	Tetrachloroethene	127-18-4	< 1.0	ug/Kg	05/07/03		
BLANK	Styrene	100-42-5	< 1.0	ug/Kg	05/07/03		
BLANK	Total Xylenes	1330-20-7	< 1.0	ug/Kg	05/07/03	0.000	300.000
BLANK	Toluene-d8 Surr	2037-26-5	100.000	% Recov	05/07/03	80.000	126.000
BLANK	Toluene	108-88-3	< 1.0	ug/Kg	05/07/03		
BLANK	trans-1,3-Dichloropropene	10061-02-6	< 1.0	ug/Kg	05/07/03		
BLANK	Trichloroethene	79-01-6	< 1.0	ug/Kg	05/07/03		
BLANK	Vinyl Chloride	75-01-4	< 1.0	ug/Kg	05/07/03		
LCS	1,1-Dichloroethene	75-35-4	88.000	% Recov	05/07/03	70.000	130.000
LCS	Benzene	71-43-2	100.000	% Recov	05/07/03	70.000	130.000
LCS	4-Bromofluorobenzene Surr	460-00-4	100.000	% Recov	05/07/03	71.000	125.000
LCS	Chlorobenzene	108-90-7	104.000	% Recov	05/07/03	70.000	130.000
LCS	1,2-Dichloroethane-d4 Surr	17060-07-0	108.000	% Recov	05/07/03	80.000	134.000
LCS	Toluene-d8 Surr	2037-26-5	102.000	% Recov	05/07/03	80.000	126.000
LCS	Toluene	108-88-3	100.000	% Recov	05/07/03	70.000	130.000
LCS	Trichloroethene	79-01-6	96.000	% Recov	05/07/03	70.000	130.000

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20030588
Matrix: SOLID
Test: SW-846 8270B Semi-Vols

SAF Number: F03-006
Sample Date: 04/28/03
Receive Date: 04/28/03

Lab ID: W030000236
BATCH QC ASSOCIATED WITH SAMPLE

QC Type	Analyte	CAS #	Results	Units	Analysis Date	Lower Limit	Upper Limit
SURR	2-Fluorophenol Surr	367-12-4	87.500	%Recove	05/20/03	42.000	105.000
SURR	2-Fluorobiphenyl Surr	321-60-8	90.500	%Recove	05/20/03	56.000	122.000
SURR	Nitrobenzene-d5 Surr	4165-60-0	98.600	%Recove	05/20/03	64.000	111.000
SURR	Phenol-d5 Surr	4165-62-2	81.500	%Recove	05/20/03	54.000	120.000
SURR	2,4,6-Tribromophenol Surr	118-79-6	90.500	%Recove	05/20/03	24.000	122.000
SURR	Terphenyl-d14 Surr	98904-43-9	103.000	%Recove	05/20/03	35.000	150.000

Lab ID: W030000239
BATCH QC ASSOCIATED WITH SAMPLE

QC Type	Analyte	CAS #	Results	Units	Analysis Date	Lower Limit	Upper Limit
MS	1,2,4-Trichlorobenzene	120-82-1	90.400	% Recov	05/20/03	46.000	107.000
MS	1,4-Dichlorobenzene (SV)	106-46-7	93.500	% Recov	05/20/03	30.000	96.000
MS	2,4-Dinitrotoluene	121-14-2	75.400	% Recov	05/20/03	59.000	106.000
MS	2-Fluorophenol Surr	367-12-4	84.400	%Recove	05/20/03	42.000	105.000
MS	Acenaphthene	83-32-9	87.400	% Recov	05/20/03	61.000	116.000
MS	4-Chloro-3-methylphenol	59-50-7	90.400	% Recov	05/20/03	61.000	106.000
MS	2-Chlorophenol	95-57-8	90.400	% Recov	05/20/03	66.000	106.000
MS	N-Nitroso-di-n-propylamine	621-64-7	84.400	% Recov	05/20/03	71.000	114.000
MS	2-Fluorobiphenyl Surr	321-60-8	87.400	%Recove	05/20/03	56.000	122.000
MS	Phenol	108-95-2	84.400	% Recov	05/20/03	42.000	111.000
MS	Nitrobenzene-d5 Surr	4165-60-0	81.400	%Recove	05/20/03	64.000	111.000
MS	4-Nitrophenol	100-02-7	84.400	% Recov	05/20/03	32.000	118.000
MS	Pentachlorophenol	87-86-5	80.400	% Recov	05/20/03	62.000	114.000
MS	Phenol-d5 Surr	4165-62-2	75.400	%Recove	05/20/03	54.000	120.000
MS	Pyrene	129-00-0	87.400	% Recov	05/20/03	66.000	118.000
MS	2,4,6-Tribromophenol Surr	118-79-6	90.400	%Recove	05/20/03	24.000	122.000
MS	Terphenyl-d14 Surr	98904-43-9	90.400	%Recove	05/20/03	35.000	150.000
MSD	1,2,4-Trichlorobenzene	120-82-1	93.400	% Recov	05/20/03	46.000	107.000
MSD	1,4-Dichlorobenzene (SV)	106-46-7	93.400	% Recov	05/20/03	30.000	96.000
MSD	2,4-Dinitrotoluene	121-14-2	81.300	% Recov	05/20/03	59.000	106.000
MSD	2-Fluorophenol Surr	367-12-4	87.400	%Recove	05/20/03	42.000	105.000
MSD	Acenaphthene	83-32-9	93.400	% Recov	05/20/03	61.000	116.000
MSD	4-Chloro-3-methylphenol	59-50-7	94.400	% Recov	05/20/03	61.000	106.000
MSD	2-Chlorophenol	95-57-8	86.400	% Recov	05/20/03	66.000	106.000
MSD	N-Nitroso-di-n-propylamine	621-64-7	84.400	% Recov	05/20/03	71.000	114.000
MSD	2-Fluorobiphenyl Surr	321-60-8	90.400	%Recove	05/20/03	56.000	122.000
MSD	Phenol	108-95-2	88.400	% Recov	05/20/03	42.000	111.000
MSD	Nitrobenzene-d5 Surr	4165-60-0	84.400	%Recove	05/20/03	64.000	111.000
MSD	4-Nitrophenol	100-02-7	80.300	% Recov	05/20/03	32.000	118.000
MSD	Pentachlorophenol	87-86-5	90.400	% Recov	05/20/03	62.000	114.000
MSD	Phenol-d5 Surr	4165-62-2	84.400	%Recove	05/20/03	54.000	120.000
MSD	Pyrene	129-00-0	93.400	% Recov	05/20/03	66.000	118.000
MSD	2,4,6-Tribromophenol Surr	118-79-6	93.400	%Recove	05/20/03	24.000	122.000

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20030588
Matrix: SOLID
Test: SW-846 8270B Semi-Vols

SAF Number: F03-006
Sample Date: 04/28/03
Receive Date: 04/28/03

QC Type	Analyte	CAS #	Results	Units	Analysis Date	Lower Limit	Upper Limit
MSD	Terphenyl-d14 Surr	98904-43-9	96.400	%Recove	05/20/03	35.000	150.000
SPK-RPD	1,2,4-Trichlorobenzene	120-82-1	3.264	RPD	05/20/03	0.000	20.000
SPK-RPD	1,4-Dichlorobenzene (SV)	106-46-7	0.107	RPD	05/20/03	0.000	20.000
SPK-RPD	2,4-Dinitrotoluene	121-14-2	7.530	RPD	05/20/03	0.000	20.000
SPK-RPD	2-Fluorophenol Surr	367-12-4	103.555	%Recove	05/20/03	42.000	105.000
SPK-RPD	Acenaphthene	83-32-9	6.637	RPD	05/20/03	0.000	20.000
SPK-RPD	4-Chloro-3-methylphenol	59-50-7	4.329	RPD	05/20/03	0.000	20.000
SPK-RPD	2-Chlorophenol	95-57-8	4.525	RPD	05/20/03	0.000	20.000
SPK-RPD	N-Nitroso-di-n-propylamine	621-64-7	0.000	RPD	05/20/03	0.000	20.000
SPK-RPD	2-Fluorobiphenyl Surr	321-60-8	103.432	%Recove	05/20/03	56.000	122.000
SPK-RPD	Phenol	108-95-2	4.630	RPD	05/20/03	0.000	20.000
SPK-RPD	Nitrobenzene-d5 Surr	4165-60-0	103.686	%Recove	05/20/03	64.000	111.000
SPK-RPD	4-Nitrophenol	100-02-7	4.979	RPD	05/20/03	0.000	20.000
SPK-RPD	Pentachlorophenol	87-86-5	11.710	RPD	05/20/03	0.000	20.000
SPK-RPD	Phenol-d5 Surr	4165-62-2	111.936	%Recove	05/20/03	54.000	120.000
SPK-RPD	Pyrene	129-00-0	6.637	RPD	05/20/03	0.000	20.000
SPK-RPD	2,4,6-Tribromophenol Surr	118-79-6	103.319	%Recove	05/20/03	24.000	122.000
SPK-RPD	Terphenyl-d14 Surr	98904-43-9	106.637	%Recove	05/20/03	35.000	150.000
SURR	2-Fluorophenol Surr	367-12-4	90.400	%Recove	05/20/03	42.000	105.000
SURR	2-Fluorobiphenyl Surr	321-60-8	90.400	%Recove	05/20/03	56.000	122.000
SURR	Nitrobenzene-d5 Surr	4165-60-0	81.400	%Recove	05/20/03	64.000	111.000
SURR	Phenol-d5 Surr	4165-62-2	81.400	%Recove	05/20/03	54.000	120.000
SURR	2,4,6-Tribromophenol Surr	118-79-6	87.400	%Recove	05/20/03	24.000	122.000
SURR	Terphenyl-d14 Surr	98904-43-9	93.400	%Recove	05/20/03	35.000	150.000

Lab ID: W030000240
BATCH QC ASSOCIATED WITH SAMPLE

SURR	2-Fluorophenol Surr	367-12-4	84.600	%Recove	05/20/03	42.000	105.000
SURR	2-Fluorobiphenyl Surr	321-60-8	84.600	%Recove	05/20/03	56.000	122.000
SURR	Nitrobenzene-d5 Surr	4165-60-0	90.600	%Recove	05/20/03	64.000	111.000
SURR	Phenol-d5 Surr	4165-62-2	78.500	%Recove	05/20/03	54.000	120.000
SURR	2,4,6-Tribromophenol Surr	118-79-6	84.600	%Recove	05/20/03	24.000	122.000
SURR	Terphenyl-d14 Surr	98904-43-9	96.600	%Recove	05/20/03	35.000	150.000

BATCH QC

BLANK	1,2-Dichlorobenzene (SV)	95-50-1	< 360	ug/Kg	05/20/03
BLANK	1,2,4-Trichlorobenzene	120-82-1	< 290	ug/Kg	05/20/03
BLANK	1,3-Dichlorobenzene	541-73-1	< 320	ug/Kg	05/20/03
BLANK	1,4-Dichlorobenzene (SV)	106-46-7	< 310	ug/Kg	05/20/03
BLANK	2,4-Dichlorophenol	120-83-2	< 80	ug/Kg	05/20/03
BLANK	2,4-Dinitrotoluene	121-14-2	< 67	ug/Kg	05/20/03
BLANK	2,4,5-Trichlorophenol	95-95-4	< 73	ug/Kg	05/20/03
BLANK	2,4,6-Trichlorophenol	88-06-2	< 67	ug/Kg	05/20/03
BLANK	2,4-Dimethylphenol	105-67-9	< 67	ug/Kg	05/20/03
BLANK	2,6-Dinitrotoluene	606-20-2	< 67	ug/Kg	05/20/03
BLANK	2-Butoxyethanol	111-76-2	< 100	ug/Kg	05/20/03

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20030588
Matrix: SOLID
Test: SW-846 8270B Semi-Vols

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

QC Type	Analyte	CAS #	Results	Units	Analysis Date	Lower Limit	Upper Limit
BLANK	2-Chloronaphthalene	91-58-7	< 80	ug/Kg	05/20/03		
BLANK	2-Fluorophenol Surr	367-12-4	87.000	%Recove	05/20/03	42.000	105.000
BLANK	2-Methylnaphthalene	91-57-6	< 180	ug/Kg	05/20/03		
BLANK	2-Methylphenol	95-48-7	< 67	ug/Kg	05/20/03		
BLANK	2-Nitroaniline	88-74-4	< 67	ug/Kg	05/20/03		
BLANK	2-Nitrophenol	88-75-5	< 170	ug/Kg	05/20/03		
BLANK	3 & 4 Methylphenol Total	108-39-4	< 110	ug/Kg	05/20/03	0.000	300.000
BLANK	3-Nitroaniline	99-09-2	< 67	ug/Kg	05/20/03		
BLANK	4,6-Dinitro-2-methylphenol	534-52-1	< 670	ug/Kg	05/20/03		
BLANK	4-Bromophenyl-phenylether	101-55-3	< 67	ug/Kg	05/20/03		
BLANK	4-Chlorophenyl-phenylether	7005-72-3	< 67	ug/Kg	05/20/03		
BLANK	Acenaphthene	83-32-9	< 67	ug/Kg	05/20/03		
BLANK	Acenaphthylene	208-96-8	< 80	ug/Kg	05/20/03		
BLANK	Anthracene	120-12-7	< 67	ug/Kg	05/20/03		
BLANK	bis(-2-Chloroethyl)Eth	111-44-4	< 250	ug/Kg	05/20/03		
BLANK	Benzo(a)anthracene	56-55-3	< 67	ug/Kg	05/20/03		
BLANK	Benzo(b)fluoranthene	205-99-2	< 67	ug/Kg	05/20/03		
BLANK	Benzo(g,h,i)perylene	191-24-2	< 67	ug/Kg	05/20/03		
BLANK	Benzo(a)pyrene	50-32-8	< 67	ug/Kg	05/20/03		
BLANK	bis(2-Chloroethoxy)methane	111-91-1	< 110	ug/Kg	05/20/03		
BLANK	Bis (2-Ethylhexyl) phthalate	117-81-7	< 560	ug/Kg	05/20/03		
BLANK	Bis(2-Chloro-1-methylene)	108-60-1	< 250	ug/Kg	05/20/03	0.000	10.000
BLANK	Benzyl alcohol	100-51-6	< 73	ug/Kg	05/20/03		
BLANK	Benzo(k)fluoranthene	207-08-9	< 67	ug/Kg	05/20/03		
BLANK	Butylbenzylphthalate	85-68-7	< 67	ug/Kg	05/20/03		
BLANK	Carbazole	86-74-8	< 80	ug/Kg	05/20/03		
BLANK	4-Chloroaniline	106-47-8	< 93	ug/Kg	05/20/03		
BLANK	4-Chloro-3-methylphenol	59-50-7	< 67	ug/Kg	05/20/03		
BLANK	2-Chlorophenol	95-57-8	< 150	ug/Kg	05/20/03		
BLANK	Chrysene	218-01-9	< 67	ug/Kg	05/20/03		
BLANK	3,3'-Dichlorobenzidine	91-94-1	< 80	ug/Kg	05/20/03		
BLANK	Dibenz(a,h)anthracene	53-70-3	< 67	ug/Kg	05/20/03		
BLANK	Dibenzofuran	132-64-9	< 67	ug/Kg	05/20/03		
BLANK	Di-n-butylphthalate	84-74-2	< 87	ug/Kg	05/20/03		
BLANK	Diethylphthalate	84-66-2	630	ug/Kg	05/20/03		
BLANK	Dimethylphthalate	131-11-3	< 67	ug/Kg	05/20/03		
BLANK	2,4-Dinitrophenol	51-28-5	< 670	ug/Kg	05/20/03		
BLANK	Di-n-octylphthalate	117-84-0	< 67	ug/Kg	05/20/03		
BLANK	N-Nitroso-di-n-propylamine	621-64-7	< 67	ug/Kg	05/20/03		
BLANK	2-Fluorobiphenyl Surr	321-60-8	84.000	%Recove	05/20/03	56.000	122.000
BLANK	Fluorene	86-73-7	< 67	ug/Kg	05/20/03		
BLANK	Fluoranthene	206-44-0	< 67	ug/Kg	05/20/03		
BLANK	Hexachlorobenzene	118-74-1	< 67	ug/Kg	05/20/03		
BLANK	Hexachlorobutadiene	87-68-3	< 370	ug/Kg	05/20/03		
BLANK	Hexachlorocyclopentadiene	77-47-4	< 310	ug/Kg	05/20/03		
BLANK	Hexachloroethane	67-72-1	< 470	ug/Kg	05/20/03		

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20030588
Matrix: SOLID
Test: SW-846 8270B Semi-Vols

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

QC Type	Analyte	CAS #	Results	Units	Analysis Date	Lower Limit	Upper Limit
BLANK	Indeno(1,2,3-cd)pyrene	193-39-5	< 67	ug/Kg	05/20/03		
BLANK	Isophorone	78-59-1	< 67	ug/Kg	05/20/03		
BLANK	Phenol	108-95-2	< 100	ug/Kg	05/20/03		
BLANK	Naphthalene	91-20-3	< 290	ug/Kg	05/20/03		
BLANK	Nitrobenzene-d5 Surr	4165-60-0	93.000	%Recove	05/20/03	64.000	111.000
BLANK	Nitrobenzene	98-95-3	< 260	ug/Kg	05/20/03		
BLANK	4-Nitrophenol	100-02-7	< 650	ug/Kg	05/20/03		
BLANK	4-Nitroaniline	100-01-6	< 250	ug/Kg	05/20/03		
BLANK	N-Nitrosodiphenylamine	86-30-6	< 67	ug/Kg	05/20/03		
BLANK	Pentachlorophenol	87-86-5	< 300	ug/Kg	05/20/03		
BLANK	Phenanthrene	85-01-8	< 67	ug/Kg	05/20/03		
BLANK	Phenol-d5 Surr	4165-62-2	78.000	%Recove	05/20/03	54.000	120.000
BLANK	Pyrene	129-00-0	< 67	ug/Kg	05/20/03		
BLANK	Tri-n-butylphosphate	126-73-8	< 67	ug/Kg	05/20/03		
BLANK	2,4,6-Tribromophenol Surr	118-79-6	90.000	%Recove	05/20/03	24.000	122.000
BLANK	Terphenyl-d14 Surr	98904-43-9	96.000	%Recove	05/20/03	35.000	150.000
LCS	1,2,4-Trichlorobenzene	120-82-1	72.000	% Recov	05/20/03	46.000	107.000
LCS	1,4-Dichlorobenzene (SV)	106-46-7	66.000	% Recov	05/20/03	42.000	111.000
LCS	2,4-Dinitrotoluene	121-14-2	66.000	% Recov	05/20/03	59.000	106.000
LCS	2-Fluorophenol Surr	367-12-4	69.000	% Recov	05/20/03	50.000	110.000
LCS	Acenaphthene	83-32-9	72.000	% Recov	05/20/03	61.000	116.000
LCS	4-Chloro-3-methylphenol	59-50-7	78.000	% Recov	05/20/03	61.000	106.000
LCS	2-Chlorophenol	95-57-8	74.000	% Recov	05/20/03	66.000	106.000
LCS	N-Nitroso-di-n-propylamine	621-64-7	78.000	% Recov	05/20/03	71.000	114.000
LCS	2-Fluorobiphenyl Surr	321-60-8	69.000	% Recov	05/20/03	58.000	109.000
LCS	Phenol	108-95-2	76.000	% Recov	05/20/03	67.000	105.000
LCS	Nitrobenzene-d5 Surr	4165-60-0	60.000	% Recov	05/20/03	60.000	118.000
LCS	4-Nitrophenol	100-02-7	78.000	% Recov	05/20/03	32.000	118.000
LCS	Pentachlorophenol	87-86-5	68.000	% Recov	05/20/03	62.000	114.000
LCS	Phenol-d5 Surr	4165-62-2	63.000	% Recov	05/20/03	59.000	116.000
LCS	Pyrene	129-00-0	68.000	% Recov	05/20/03	66.000	118.000
LCS	2,4,6-Tribromophenol Surr	118-79-6	72.000	% Recov	05/20/03	60.000	120.000
LCS	Terphenyl-d14 Surr	98904-43-9	78.000	% Recov	05/20/03	60.000	120.000

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20030588
Matrix: SOLID
Test: ICP Metals Analysis, Grd H20 P

SAF Number: F03-006
Sample Date: 04/28/03
Receive Date: 04/28/03

QC Type	Analyte	CAS #	Results	Units	Analysis Date	Lower Limit	Upper Limit	
Lab ID: W030000236								
BATCH QC ASSOCIATED WITH SAMPLE								
MS	Boron by ICP	7440-50-8	100.610	% Recov	05/28/03	75.000	125.000	
MS	Bismuth by ICP	7440-69-9	96.120	% Recov	05/28/03	75.000	125.000	
MSD	Boron by ICP	7440-50-8	88.490	% Recov	05/28/03	75.000	125.000	
MSD	Bismuth by ICP	7440-69-9	77.600	% Recov	05/28/03	75.000	125.000	
Lab ID: W030000246								
BATCH QC ASSOCIATED WITH SAMPLE								
MS	Boron by ICP	7440-50-8	100.968	% Recov	05/28/03	75.000	125.000	
MS	Bismuth by ICP	7440-69-9	98.780	% Recov	05/28/03	75.000	125.000	
MSD	Boron by ICP	7440-50-8	88.968	% Recov	05/28/03	75.000	125.000	
MSD	Bismuth by ICP	7440-69-9	81.520	% Recov	05/28/03	75.000	125.000	
Lab ID: W030000265								
BATCH QC ASSOCIATED WITH SAMPLE								
MS	Boron by ICP	7440-50-8	104.160	% Recov	05/28/03	75.000	125.000	
MS	Bismuth by ICP	7440-69-9	95.580	% Recov	05/28/03	75.000	125.000	
MSD	Boron by ICP	7440-50-8	104.560	% Recov	05/28/03	75.000	125.000	
MSD	Bismuth by ICP	7440-69-9	95.720	% Recov	05/28/03	75.000	125.000	
SPK-RPD	Boron by ICP	7440-50-8	0.383	RPD	05/28/03	0.000	20.000	
SPK-RPD	Bismuth by ICP	7440-69-9	0.146	RPD	05/28/03	0.000	20.000	
BATCH QC								
BLANK	Boron by ICP	7440-50-8	<0.102	ug/L	05/28/03	-10.000	10.000	
BLANK	Bismuth by ICP	7440-69-9	<0.1	ug/L	05/28/03	-1.000	0.068	
LCS	Boron by ICP	7440-50-8	112.487	% Recov	05/28/03	52.000	84.200	*
LCS	Bismuth by ICP	7440-69-9	126.400	% Recov	05/28/03	80.000	120.000	*

T4180-03-SLF-005

ATTACHMENT 3

SAMPLE RECEIPT INFORMATION

Consisting of 5 pages
Cover page not included

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

ADDED Perso
5/6/03 KB

ACKNOWLEDGMENT OF SAMPLES RECEIVED

Ground Water Protection Program

Richland, WA 99352
Attn: Steve Trent

Customer Code: GPP
PO#: 117504/ES10
Group#: 20030588
Project#: F03-006
Proj Mgr: STEVE TRENT A0-21
Phone: 373-5869

The following samples were received from you on 04/28/03. 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
W030000240	B16W95	TRENT @2008 @8015GPP @AEA-30 @AEA-31 @AEA-32 @GEA-GPP @IC-30 @ICP-GPP @LABSCRN @PCBGPP @SVOC @TPHD-WA @TPHG-WA @VOA-GPP CN-02 NH4-IC PERSO PH-30	Solid, or handle as if solid	04/28/03
W030000236	B16W93	TRENT @2008 @8015GPP @AEA-30 @AEA-31 @AEA-32 @GEA-GPP @IC-30 @ICP-GPP @LABSCRN @PCBGPP @SVOC @TPHD-WA @TPHG-WA @VOA-GPP CN-02 NH4-IC PERSO PH-30	Solid, or handle as if solid	04/28/03
W030000239	B16W94	TRENT @2008 @8015GPP @AEA-30 @AEA-31 @AEA-32 @GEA-GPP @IC-30 @ICP-GPP @LABSCRN @PCBGPP @SVOC @TPHD-WA @TPHG-WA @VOA-GPP CN-02 NH4-IC PERSO PH-30	Solid, or handle as if solid	04/28/03

Test Acronym Description

Test Acronym	Description
@2008	ICP-2008 MS All possible metal
@8015GPP	Alcohols, Glycols - 8015
@AEA-30	Plutonium Isotopics by AEA
@AEA-31	Americium by AEA
@AEA-32	Uranium Isotopics by AEA
@GEA-GPP	Gamma Energy Analysis-grd H2O
@IC-30	Anions by Ion Chromatography
@ICP-GPP	ICP Metals Analysis, Grd H20 P
@LABSCRN	Sample Screen - LAB USE ONLY
@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

VB

3-1

round Water Protection Program

Richland, WA 99352
Attn: Steve Trent

Customer Code: GPP
PO#: 117504/ES10
Group#: 20030588
Project#: F03-006
Proj Mgr: STEVE TRENT A0-21
Phone: 373-5869

Test Acronym Description

Test Acronym	Description
CN-02	Cyanide by Midi/Spectrophotom
NH4-IC	Ammonia (N) by IC
PERSOLID	Percent Solids
PH-30	pH Soil and Waste Measurement

5/29

FH-Central Plateau Project	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST		F03-006-76	Page 1 of 1
Collector Johansen/Pope/Pfister	Company Contact LC Hulstrom	Telephone No. 373-3928	Project Coordinator TRENT, SJ	Price Code 8N Air Quality ☐
Project Designation 200-PW-2/200-PW-4 OU - Borehole Soil Sampling	Sampling Location 216-A-37 (C4106); (12.5-15')		SAF No. F03-006	Data Turnaround 30 Days
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

Special Handling and/or Storage

20030588

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										
B16W93	SOIL	4/28/03	1350	X	X	X	X						
W030000-~~326~~ 236	4/30/03												

CHAIN OF POSSESSION		Sign/Print Names	
Relinquished By/Removed From Greg Thomas Greg Thomas	Date/Time 1610 4/28/03	Received By/Stored In MM Kast MM KASTL	Date/Time 1610 4-28-03
Relinquished By/Removed From	Date/Time	Received By/Stored In	Date/Time
Relinquished By/Removed From	Date/Time	Received By/Stored In	Date/Time
Relinquished By/Removed From	Date/Time	Received By/Stored In	Date/Time
Relinquished By/Removed From	Date/Time	Received By/Stored In	Date/Time
Relinquished By/Removed From	Date/Time	Received By/Stored In	Date/Time

SPECIAL INSTRUCTIONS

** The laboratory is to report both kerosene and diesel range compounds from WTPH-D analysis.

(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

F-011 (03/01/2002)

3-3

5/29

FH-Central Plateau Project	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST		F03-006-77	Page 1 of 1
Collector Johansen/Pope/Pfister	Company Contact LC Hulstrom	Telephone No. 373-3928	Project Coordinator TRENT, SJ	Price Code 8N Air Quality ☐
Project Designation 200-PW-2/200-PW-4 OU - Borehole Soil Sampling	Sampling Location 216-A-37 (C4106); (17.5-20')		SAF No. F03-006	Data Turnaround 30 Days
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

Special Handling and/or Storage

20030588 ~~20030589~~ KB 4/29/03

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										
B16W94	SOIL	4/28/03	1510	X	X	X	X						
~~W030000237~~ KB 4/29/03													
W030000239													

CHAIN OF POSSESSION		Sign/Print Names	
Relinquished By/Removed From Greg Thomas Greg Thomas	Date/Time 1610 4/28/03	Received By/Stored In MMKast MMKAST	Date/Time 1610 4-28-03
Relinquished By/Removed From	Date/Time	Received By/Stored In	Date/Time
Relinquished By/Removed From	Date/Time	Received By/Stored In	Date/Time
Relinquished By/Removed From	Date/Time	Received By/Stored In	Date/Time
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LABORATORY SECTION	Received By	Title	Date/Time
FINAL SAMPLE DISPOSITION	Disposal Method	Disposed By	Date/Time

F-011 (03/01/2002)

3-4

5/29

FH-Central Plateau Project	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST		F03-006-78	Page 1 of 1
Collector Johansen/Pope/Pfister	Company Contact LC Hulstrom	Telephone No. 373-3928	Project Coordinator TRENT, SJ	Price Code 8N Air Quality ☐
Project Designation 200-PW-2/200-PW-4 OU - Borehole Soil Sampling	Sampling Location 216-A-37 (C4106); (17.5-20')		SAF No. F03-006	Data Turnaround 30 Days
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

Special Handling and/or Storage

20030588 ~~20030590~~ KB 4/29/03

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										
B16W95	SOIL	4/28/03	1510	X	X	X	X						
~~W030000 238~~ KB 4/29/03													
W030000 240													

CHAIN OF POSSESSION		Sign/Print Names	
Relinquished By/Removed From Greg Thomas Greg Thomas	Date/Time 1610 4/28/03	Received By/Stored In M.M.Kost MM KASTL	Date/Time 1610 4-28-03
Relinquished By/Removed From	Date/Time	Received By/Stored In	Date/Time
Relinquished By/Removed From	Date/Time	Received By/Stored In	Date/Time
Relinquished By/Removed From	Date/Time	Received By/Stored In	Date/Time
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LABORATORY SECTION	Received By	Title	Date/Time
FINAL SAMPLE DISPOSITION	Disposal Method	Disposed By	Date/Time

FE-011 (03/01/2002)

3-5

Fluor Hanford
P. O. Box 1000
Richland, WA 99352

FLUOR

Memorandum

T4180-SLF-03-022

To:	S. Trent	A0-21	Date:	June 27, 2003
From:	S. L. Fitzgerald	S3-30	Telephone:	373-7495
cc:	T. F. Dale M. Neely LB/ File	S3-28 S3-30		

Subject: BORON CONTROL LIMITS CORRECTION

WSCF recently discovered an error in the control limits establishised in our LIMS database for your project. The analysis in question was Boron by ICP for the solid matrix. The original limits were 52.0 to 84.2%. They have now been corrected to 80 to 120 %. No actual standard recoveries were impacted by this change. The limits in our LIMS database have been updated for all data previously released to your program as well. The following sample delivery groups were updated: 20030459, 20030460, 20030461, 20030470, 20030492, 20030515, 20030524, 20030588, 20030598 and 20030613. This memo provides notice of the change in these batches. The hard copy of these reports will not be reissued.

For your information, a copy of the problem report addressing this issue is attached.

dtb

PROBLEM REPORT	
Initiator/Date **Scot Fitzgerald, 6/18/03**	**Problem Report Number** 2003-005
Problem (Including violated requirements) The @ICP-GPP Boron LCS percent recovery control limits were incorrect (52.0 to 84.2%). Several data reports were issued with the incorrect control limits.	
Probable Cause: The chemist submitted the Boron STD recovery range as a concentration rather than a percent range. The LIMS administrator entered the concentration values as percent recovery values.	
Samples Affected: The actual LCS recoveries were not effected.	**Client Notification Required?** Yes (Completed)
Corrective Action Plan (Including schedule for completion) 1. Correct LCS recovery limits in LABCORE and in the LABCORE QC History table (Completed on 6/13/03) 2. Per customer agreement, issue memo outlining the control limit change and listing the effected sample delivery groups (Estimated completion 6/26/03)	
Affected Records Corrected? (logbook, worksheet, etc.) LABCORE corrected.	**Corrected Report Issued?** Per customer agreement, a memo will be issued outlining the corrections.
Manager or Team Leader Concurs (Signature / date) 6/25/03	**QA Coordinator Concurs** (Signature / date) 6/25/03
Progress Report - attach additional pages if necessary	
Completion (Manager or team leader signature/ date)	**PR Closure (QA Coordinator signature date)**