August 23, 2011

1214255

Reader Advisory

Request for Data Review (RDR) numbers R7071 and R7073 were issued for re-analyses of samples from Sample Delivery Group# WSCF20060934. The original copies of RDRs are in IDMS. Please contact Sample Data Management for assistance if you need copies.

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MAY 29 2012
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Rev. 2

Fluor Hanford
WSCF Analytical Chemistry
P.O. Box 1000
Richland, WA 99352
Telephone 373-7495
Telefax 372-0456

FLUOR

Memorandum

M8141-SLF-06-241

To: D. L. Klages H8-40 Date: September 1, 2006

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

cc:

S. J. Trent	A0-21
T. F. Dale	S3-30
H. K. Meznarich	S3-30
P. D. Mix	S3-30
J. E. Trechter	S3-30
File/LB	
(Above w/attachments)	

SEP 2006
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Subject: REISSUED CORRECTION PAGES OF FINAL RESULTS FOR 200-UW-1 OPERABLE UNIT TRENCH – SAMPLE DELIVERY GROUP WSCF20060934 – SAF NUMBER R06-013

Reference:
(1) Memo, SL Fitzgerald to DL Klages, same subject (M8141-SLF-06-233), dated August 29, 2006
(2) Memo, SL Fitzgerald to DL Klages, same subject (M8141-SLF-06-230), dated August 24, 2006
(3) 200-UW-1 Operable Unit Support Activities Sampling – Letter of Instruction, D&D-27876, Rev. 0, dated December 14, 2005
(4) HNF-SD-CD-QAPP-017, Rev. 7, Waste Sampling & Characterization Facility Quality Assurance Plan

Pages 9-14, 24-37 and 50-56 in the Reference 1 data report listed an incorrect sample matrix. This letter contains the replacement pages with the correct sample matrix listed. No analytical results were impacted as a result of this change. Please replace the above referenced pages in their entirety.

If you have any questions, please call John Trechter, telephone 373-7046, for assistance.

SLF/grf

Attachments
As listed

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M8141-SLF-06-233

ATTACHMENT 1

NARRATIVE

Consisting of 6 pages
Including cover page

Sample Delivery Group	**WSCF20060934**
Sample Matrix	**SOLID**
Sample Visual	**N/A**
SAF Number	**R06-013**
Data Deliverable	**Summary Report**

Introduction

Five (5) 200-UW-1 Operable Unit soil samples (B1KB49, B1KB50, B1KB51, B1KB75, B1KB76 and B1KB77) from the trench between 216-U-8 and 216-U-12 were received at the WSCF Laboratory on August 16, 2006. The samples were received in a cool condition with ice present in the coolers. The samples were analyzed for the analytes indicated on the attached copy of the chain of custody (COC) form in accordance with the *200-UW-1 Operable Unit 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, method references, and Laboratory QC information. Copies of the chain of custody and sample receipt are included as Attachment 3.

Analytical Methodology for Requested Analyses

Refer to *WSCF Method References Report,* pages 69 through 70, for a complete listing of approved analytical methods used.

Inorganic Comments

Anions - The hold time requirements were met. A Blank, Duplicate, Laboratory Control Sample, Matrix Spike and Matrix Spike Duplicate were analyzed with this delivery group. See pages 15 through 16 for QC details. Analytical Notes:

- Preparation Date: 21-aug-2006.
- Chloride and Sulfate – Sample results for B1KB49 and B1KB50 were B-flagged; the analytes were less than the reportable detection limit, but greater than or equal to the method detection limit.
- Phosphate – Matrix Spike and Matrix Spike Duplicate recoveries were below established laboratory limits. Sample results were less than detection limits and U flagged.

All other QC controls are within the established limits.

ICP-AES Metals – The holding time for this analysis was met. A Blank, Laboratory Control Sample (LCS), Matrix Spike and Matrix Spike Duplicate were analyzed with this delivery group of less than 20 samples. See pages 17 through 19 for QC details. Analytical Notes:

- Preparation Date: 21-aug-2006.

- Aluminum, Calcium, Iron, Magnesium and Titanium – insufficient spike (Matrix Spike and Matrix Spike Duplicate) concentrations. Sample concentrations were greater than four times the spike concentration.

- Aluminum – Analyte detected in the associated preparation Blank sample was evaluated and sample result for B1KB51 was C flagged.

- Calcium – The Laboratory Control Sample recovery exceeded established laboratory limits. Calcium results for B1KB49, B1KB50 and B1KB51 were E flagged.

- Lithium – Although the Laboratory Control Sample recovery exceeded established laboratory limits, the Matrix Spike and Matrix Spike Duplicate recoveries were within established laboratory limits. Sample results were not E flagged.

- Silicon – Matrix Spike, Matrix Spike Duplicate and Laboratory Control Sample recoveries were outside established laboratory limits. B1KB49, B1KB50 and B1KB51 were E flagged.

All other QC controls are within the established limits.

ICP-MS Metals – The holding time for this analysis was met, with the exception of mercury. A Blank, Laboratory Control Sample, Matrix Spike and Matrix Spike Duplicate were analyzed with this deliver group of less than 20 samples. See pages 20 through 23 for QC details Analytical Notes:

- Preparation Date: 21-aug-2006.

- Thorium results listed in the report represent Th-232 exclusively.

- Zinc – Analyte detected in the associated preparation Blank sample was evaluated and sample B1KB51 was C flagged.

- Beryllium (samples B1KB49 and B1KB50), Thallium (samples B1KB49 and B1KB50), Manganese (sample B1KB51), Thorium (sample B1KB51) and Uranium (sample B1KB51) – Negative preparation blank results may have potential affect on sample results. Sample results were X flagged.

All other QC controls are within the established limits.

Percent Solids – analyzed for organic moisture correction.

<u>Organic Comments</u>

- Sample results are moisture corrected and reported on dry weight basis.

Semi-VOA – The hold time for this analysis was met. A Blank, Laboratory Control Sample, Matrix Spike and Matrix Spiked Duplicate were analyzed with this delivery group. See pages 38 through 44 for QC details. Analytical Notes:

- Preparation Date: 17-aug-2006.
- Bis (2-Ethylhexyl) phthalate - sample B1KB49 result was J flagged; result was less than the lowest calibration standard but greater than the detection limit.
- Di-n-octylphthalate - sample B1KB50 result was J flagged; result was less than the lowest calibration standard but greater than the detection limit.
- Diethylphthalate - samples results for B1KB50 and B1KB51 were J flagged; results were less than the lowest calibration standard but greater than the detection limit.
- Matrix Spike and Matrix Spike Duplicate QC samples were analyzed on sample# B1KB52 (SDG# 20060935, SAF# F06-013).

All QC controls are within the established limits.

TPHD-WA - The hold time for this analysis were met. A Blank, Laboratory Control Sample, Matrix Spike and Matrix Spiked Duplicate were analyzed with this delivery group. See page 45 for QC details. Analytical Notes:

- Preparation Date: 17-aug-2006.
- Matrix Spike and Matrix Spike Duplicate QC samples were analyzed on sample# B1KB52 (SDG# 20060935, SAF# F06-013).

All QC controls are within the established limits.

VOA – The hold time for this analysis was met. A Blank, Laboratory Control Sample, Matrix Spike and Matrix Spiked Duplicate were analyzed with this delivery group. See pages 46 through 49 for QC details. Analytical Note:

- 4-Bromofluorobenzene – Matrix Spike and Matrix Spike Duplicate QC exceeded established laboratory limits.

All other QC controls are within the established limits.

Radiochemistry Comments

RadChem – There are no hold times associated with WSCF radiochemical methods. A Blank, Laboratory Control Sample, Matrix Spike (Technetium only), and Duplicate were analyzed with this delivery group. See pages 57 through 64 for QC details. Analytical Notes:

- Gamma Energy Analysis (GEA) – The GEA results for samples B1KB49 and B1KB50 will be biased high because the 500ml bottles for the GEA test were only partially filled with sample.

- Pu-239/240 – Duplicate QC Relative Percent Difference (RPD) exceeded established laboratory limits due to low sample activity.

- Strontium-90 – Duplicate QC RPD exceeded established laboratory limits due to sample homogeneity issues.

- Technetium-99 – Matrix Spike QC RPD exceeded established laboratory limits due to low sample activity.

- Uranium Isotopic (233/234, 235 and 238) – Duplicate QC RPD exceeded established laboratory limits due to sample homogeneity issues.

All other QC controls are within the established limits.

Americium-243, Plutonium-242, Strontium-85 and Uranium-232 – Radiochemical Tracer Recovery Data are summarized below:

Radiochemical Tracer Percent Recovery			
Sample Number	**Lab Sample ID**	**Isotope**	**Tracer Recovery (Percent)**
Americium-243			
BLANK		Am-243	79.9%
LCS		Am-243	93.0%
B1KB49	W060002493	Am-243	85.8%
DUPLICATE	W060002493	Am-243	89.2%
B1KB50	W060002494	Am-243	95.5%
B1KB51	W060002495	Am-243	90.7%
Plutonium-242			
BLANK		Pu-242	84.0%
LCS		Pu-242	85.0%
B1KB49	W060002493	Pu-242	81.8%
DUPLICATE	W060002493	Pu-242	86.7%
B1KB50	W060002494	Pu-242	99.4%
B1KB51	W060002495	Pu-242	88.3%

Radiochemical Tracer Percent Recovery			
Sample Number	**Lab Sample ID**	**Isotope**	**Tracer Recovery (Percent)**
Strontium-85			
BLANK		Sr-85	98.9%
LCS		Sr-85	83.4%
B1KB49	W060002493	Sr-85	86.0%
DUPLICATE	W060002493	Sr-85	88.2%
B1KB50	W060002494	Sr-85	95.9%
B1KB51	W060002495	Sr-85	85.4%
Uranium-232			
BLANK		U-232	79.8%
LCS		U-232	75.6%
B1KB49	W060002493	U-232	121.6%
DUPLICATE	W060002493	U-232	93.0%
B1KB50	W060002494	U-232	131.7%
B1KB51	W060002495	U-232	103.6%

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.

Pauline D. Mix
WSCF Client Services

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

M8141-SLF-06-233

ATTACHMENT 2

ANALYTICAL RESULTS

Consisting of 66 pages
Including cover page

WSCF
ANALYTICAL RESULTS REPORT

for

PROJECT HANFORD MANAGEMENT COMPANY
RICHLAND, WA 99354

Attention: D.L KLAGES H8-40

Analytical: William H Baird WW Baird 9/1/2006

Client Services: John Treichler John Treichler

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

CONTROLLED USE INFORMATION: The recipient of this report has the responsibility to protect and safeguard the requested information from unauthorized disclosure or misuse. This information is intended for the use of the addressee only. If the reader of this report is not the intended recipient or is not authorized by the recipient to receive the report, you are hereby notified that any dissemination, distribution or copying of this report is strictly prohibited. If you have received this report in error, please notify WSCF Laboratory immediately by telephone at (509) 373-7020 or (509) 531-8004. WSCF will not identify analytical reports as Official Use Only (OUO) or Sensitive. This classification must be determined by the owner of the report.

Report#: 20060934
Report Date: 1-sep-2006
Report WGPP/ver. 1.3
PROJECT HANFORD MANAGEMENT COMPANY

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9/5/06

WSCF
ANALYTICAL RESULTS REPORT

Attention: D.L KLAGES H8-40 **Group #:** 20060934

Sample #	Client ID		CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
Inorganic														
W060002493	B1KB49	KLAGES	TS	Total solids	SOIL	LA-519-412		97.3	%	1.00	0.0	08/21/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	16984-48-8	Fluoride	SOIL	LA-533-410	U	< 2.00	mg/kg	50.00	2.0	08/21/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	16887-00-6	Chloride	SOIL	LA-533-410	B	6.88	mg/kg	50.00	1.7	08/21/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	NO2-N	Nitrogen in Nitrite	SOIL	LA-533-410	U	< 0.490	mg/kg	50.00	0.49	08/21/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	24959-67-9	Bromide	SOIL	LA-533-410	U	< 4.65	mg/kg	50.00	4.6	08/21/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	NO3-N	Nitrogen in Nitrate	SOIL	LA-533-410		13.2	mg/kg	50.00	0.90	08/21/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	PO4-P	Phosphate (P) by IC	SOIL	LA-533-410	U	< 3.90	mg/kg	50.00	3.9	08/21/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	14808-79-8	Sulfate	SOIL	LA-533-410	B	28.4	mg/kg	50.00	6.5	08/21/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	7429-90-5	Aluminum	SOIL	LA-505-411		6.50e+03	mg/kg	9.68e+002	36	08/22/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	7439-89-6	Iron	SOIL	LA-505-411		1.91e+04	mg/kg	9.68e+002	32	08/22/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	7439-95-4	Magnesium	SOIL	LA-505-411		5.27e+03	mg/kg	96.77	1.5	08/22/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	7440-09-7	Potassium	SOIL	LA-505-411		1.18e+03	mg/kg	96.77	21	08/22/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	7440-23-5	Sodium	SOIL	LA-505-411		268	mg/kg	96.77	11	08/22/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	7440-70-2	Calcium	SOIL	LA-505-411	E	1.26e+04	mg/kg	9.68e+002	30	08/22/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	7439-93-2	Lithium	SOIL	LA-505-411		8.52	mg/kg	96.77	0.58	08/22/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	7440-32-6	Titanium	SOIL	LA-505-411		932	mg/kg	9.68e+002	3.9	08/22/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	7440-42-8	Boron	SOIL	LA-505-411	U	< 2.03	mg/kg	96.77	2.0	08/22/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	7440-69-9	Bismuth	SOIL	LA-505-411	U	< 5.13	mg/kg	96.77	5.1	08/22/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	7440-21-3	Silicon	SOIL	LA-505-411	E	197	mg/kg	96.77	7.3	08/22/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	7439-96-5	Manganese	SOIL	LA-505-412		334	mg/kg	0.97	0.0194	08/22/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	7440-02-0	Nickel	SOIL	LA-505-412		10.2	mg/kg	0.97	0.0583	08/22/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	7440-22-4	Silver	SOIL	LA-505-412	U	< 0.0389	mg/kg	0.97	0.0389	08/22/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	7440-36-0	Antimony	SOIL	LA-505-412	U	< 0.292	mg/kg	0.97	0.292	08/22/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	7440-39-3	Barium	SOIL	LA-505-412		84.3	mg/kg	0.97	0.194	08/22/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	7440-41-7	Beryllium	SOIL	LA-505-412	X	0.282	mg/kg	0.97	0.0194	08/22/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	7440-43-9	Cadmium	SOIL	LA-505-412		0.0950	mg/kg	0.97	0.0389	08/22/06	08/16/06	08/16/06

MDL=Minimum Detection Limit
RQ=Result Qualifier

B - The analyte < the RDL but > = the IDL/MDL (inorganic)
E - Analyte is an estimate, has potentially larger errors
U - Analyzed for but not detected above limiting criteria.
C - The Analyte was found in the Associated Blank.
J - Analyte is an estimate, has potentially larger errors
X - Other flags and notes described in the comments/narrative.

DF=Dilution Factor

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

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WSCF
ANALYTICAL RESULTS REPORT

Attention: D.L KLAGES H8-40 **Group #:** 20060934

Sample #	Client ID		CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W060002493	B1KB49	KLAGES	7440-47-3	Chromium	SOIL	LA-505-412		8.25	mg/kg	0.97	0.681	08/22/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	7440-48-4	Cobalt	SOIL	LA-505-412		7.92	mg/kg	0.97	0.0194	08/22/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	7440-50-8	Copper	SOIL	LA-505-412		14.0	mg/kg	0.97	0.194	08/22/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	7440-62-2	Vanadium	SOIL	LA-505-412		45.5	mg/kg	0.97	0.486	08/22/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	7440-66-6	Zinc	SOIL	LA-505-412		41.8	mg/kg	0.97	0.292	08/22/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	7439-92-1	Lead	SOIL	LA-505-412		6.37	mg/kg	0.97	0.0486	08/22/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	7439-97-6	Mercury	SOIL	LA-505-412		0.0432	mg/kg	0.97	0.0389	08/22/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	7439-98-7	Molybdenum	SOIL	LA-505-412		0.245	mg/kg	0.97	0.0972	08/22/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	7440-29-1	Thorium	SOIL	LA-505-412		2.81	mg/kg	0.97	0.0486	08/22/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	7440-61-1	Uranium	SOIL	LA-505-412		5.93	mg/kg	0.97	0.0194	08/22/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	7440-38-2	Arsenic	SOIL	LA-505-412		3.91	mg/kg	0.97	0.972	08/22/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	7782-49-2	Selenium	SOIL	LA-505-412	U	< 0.389	mg/kg	0.97	0.389	08/22/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	7440-28-0	Thallium	SOIL	LA-505-412	X	0.0525	mg/kg	0.97	0.0292	08/22/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	7440-24-6	Strontium	SOIL	LA-505-412		29.9	mg/kg	0.97	0.0292	08/22/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	7440-31-5	Tin	SOIL	LA-505-412		0.360	mg/kg	0.97	0.0486	08/22/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	TS	Total solids	SOIL	LA-519-412		99.4	%	1.00	0.0	08/21/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	16984-48-8	Fluoride	SOIL	LA-533-410	U	< 2.00	mg/kg	50.00	2.0	08/21/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	16887-00-6	Chloride	SOIL	LA-533-410	B	3.06	mg/kg	50.00	1.7	08/21/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	NO2-N	Nitrogen in Nitrite	SOIL	LA-533-410	U	< 0.490	mg/kg	50.00	0.49	08/21/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	24959-67-9	Bromide	SOIL	LA-533-410	U	< 4.65	mg/kg	50.00	4.6	08/21/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	NO3-N	Nitrogen in Nitrate	SOIL	LA-533-410		7.07	mg/kg	50.00	0.90	08/21/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	PO4-P	Phosphate (P) by IC	SOIL	LA-533-410	U	< 3.90	mg/kg	50.00	3.9	08/21/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	14808-79-8	Sulfate	SOIL	LA-533-410	B	27.4	mg/kg	50.00	6.5	08/21/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	7429-90-5	Aluminum	SOIL	LA-505-411		7.92e+03	mg/kg	97.09	3.6	08/22/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	7439-89-6	Iron	SOIL	LA-505-411		3.58e+04	mg/kg	9.71e+002	32	08/22/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	7439-95-4	Magnesium	SOIL	LA-505-411		5.57e+03	mg/kg	97.09	1.5	08/22/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	7440-09-7	Potassium	SOIL	LA-505-411		1.18e+03	mg/kg	97.09	21	08/22/06	08/16/06	08/16/06

MDL=Minimum Detection Limit
RQ=Result Qualifier

B - The analyte < the RDL but > = the IDL/MDL (inorganic)
E - Analyte is an estimate, has potentially larger errors
U - Analyzed for but not detected above limiting criteria
C - The Analyte was found in the Associated Blank.
J - Analyte is an estimate, has potentially larger errors
X - Other flags and notes described in the comments/narrative.

DF=Dilution Factor

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

REVISED
Dayes
9/5/06

WSCF
ANALYTICAL RESULTS REPORT

Attention: D.L. KLAGES H8-40 **Group #:** 20060934

Sample #	Client ID		CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W060002494	B1KB50	KLAGES	7440-23-5	Sodium	SOIL	LA-505-411		274	mg/kg	97.09	11	08/22/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	7440-70-2	Calcium	SOIL	LA-505-411	E	2.69e+04	mg/kg	9.71e+002	30	08/22/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	7439-93-2	Lithium	SOIL	LA-505-411		9.28	mg/kg	97.09	0.58	08/22/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	7440-32-6	Titanium	SOIL	LA-505-411		2.00e+03	mg/kg	9.71e+002	3.9	08/22/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	7440-42-8	Boron	SOIL	LA-505-411	U	< 2.04	mg/kg	97.09	2.0	08/22/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	7440-69-9	Bismuth	SOIL	LA-505-411	U	< 5.15	mg/kg	97.09	5.1	08/22/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	7440-21-3	Silicon	SOIL	LA-505-411	E	228	mg/kg	97.09	7.3	08/22/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	7439-96-5	Manganese	SOIL	LA-505-412		335	mg/kg	1.04	0.0208	08/22/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	7440-02-0	Nickel	SOIL	LA-505-412		10.8	mg/kg	1.04	0.0623	08/22/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	7440-22-4	Silver	SOIL	LA-505-412		0.0703	mg/kg	1.04	0.0415	08/22/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	7440-36-0	Antimony	SOIL	LA-505-412	U	< 0.311	mg/kg	1.04	0.311	08/22/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	7440-39-3	Barium	SOIL	LA-505-412		88.2	mg/kg	1.04	0.208	08/22/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	7440-41-7	Beryllium	SOIL	LA-505-412	X	0.339	mg/kg	1.04	0.0208	08/22/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	7440-43-9	Cadmium	SOIL	LA-505-412		0.166	mg/kg	1.04	0.0415	08/22/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	7440-47-3	Chromium	SOIL	LA-505-412		9.12	mg/kg	1.04	0.727	08/22/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	7440-48-4	Cobalt	SOIL	LA-505-412		8.54	mg/kg	1.04	0.0208	08/22/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	7440-50-8	Copper	SOIL	LA-505-412		14.2	mg/kg	1.04	0.208	08/22/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	7440-62-2	Vanadium	SOIL	LA-505-412		47.2	mg/kg	1.04	0.519	08/22/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	7440-66-6	Zinc	SOIL	LA-505-412		44.5	mg/kg	1.04	0.311	08/22/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	7439-92-1	Lead	SOIL	LA-505-412		6.82	mg/kg	1.04	0.0519	08/22/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	7439-97-6	Mercury	SOIL	LA-505-412		0.0459	mg/kg	1.04	0.0415	08/22/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	7439-98-7	Molybdenum	SOIL	LA-505-412		0.331	mg/kg	1.04	0.104	08/22/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	7440-29-1	Thorium	SOIL	LA-505-412		3.26	mg/kg	1.04	0.0519	08/22/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	7440-61-1	Uranium	SOIL	LA-505-412		15.2	mg/kg	1.04	0.0208	08/22/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	7440-38-2	Arsenic	SOIL	LA-505-412		4.03	mg/kg	1.04	1.04	08/22/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	7782-49-2	Selenium	SOIL	LA-505-412	U	< 0.415	mg/kg	1.04	0.415	08/22/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	7440-28-0	Thallium	SOIL	LA-505-412	X	0.0580	mg/kg	1.04	0.0311	08/22/06	08/16/06	08/16/06

MDL = Minimum Detection Limit
RQ = Result Qualifier

B - The analyte < the RDL but > = the IDL/MDL (inorganic)
E - Analyte is an estimate, has potentially larger errors
U - Analyzed for but not detected above limiting criteria.
C - The Analyte was found in the Associated Blank.
J - Analyte is an estimate, has potentially larger errors
X - Other flags and notes described in the comments/narrative.

DF = Dilution Factor

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

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9/5/06

WSCF
ANALYTICAL RESULTS REPORT

Attention: D.L KLAGES H8-40 **Group #:** 20060934

Sample #	Client ID		CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W060002494	B1KB50	KLAGES	7440-24-6	Strontium	SOIL	LA-505-412		29.9	mg/kg	1.04	0.0311	08/22/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	7440-31-5	Tin	SOIL	LA 505-412		0.420	mg/kg	1.04	0.0519	08/22/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	TS	Total solids	SOIL	LA-519-412		>99.5	%	1.00	0.0	08/21/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	16984-48-8	Fluoride	SOIL	LA-533-410	U	< 2.00	mg/kg	50.00	2.0	08/21/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	16887-00-6	Chloride	SOIL	LA-533-410	U	< 1.70	mg/kg	50.00	1.7	08/21/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	NO2-N	Nitrogen in Nitrite	SOIL	LA-533-410	U	< 0.490	mg/kg	50.00	0.49	08/21/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	24959-67-9	Bromide	SOIL	LA-533-410	U	< 4.65	mg/kg	50.00	4.6	08/21/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	NO3-N	Nitrogen in Nitrate	SOIL	LA-533-410	U	< 0.900	mg/kg	50.00	0.90	08/21/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	PO4-P	Phosphate (P) by IC	SOIL	LA-533-410	U	< 3.90	mg/kg	50.00	3.9	08/21/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	14808-79-8	Sulfate	SOIL	LA-533-410	U	< 6.50	mg/kg	50.00	6.5	08/21/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	7429-90-5	Aluminum	SOIL	LA-505-411	C	34.4	mg/kg	93.98	3.5	08/22/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	7439-89-6	Iron	SOIL	LA-505-411		285	mg/kg	93.98	3.1	08/22/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	7439-95-4	Magnesium	SOIL	LA-505-411		27.5	mg/kg	93.98	1.4	08/22/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	7440-09-7	Potassium	SOIL	LA-505-411	U	< 20.7	mg/kg	93.98	21	08/22/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	7440-23-5	Sodium	SOIL	LA-505-411	U	< 10.8	mg/kg	93.98	11	08/22/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	7440-70-2	Calcium	SOIL	LA-505-411	E	130	mg/kg	93.98	2.9	08/22/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	7439-93-2	Lithium	SOIL	LA-505-411	U	< 0.564	mg/kg	93.98	0.56	08/22/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	7440-32-6	Titanium	SOIL	LA-505-411		0.702	mg/kg	93.98	0.38	08/22/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	7440-42-8	Boron	SOIL	LA-505-411	U	< 1.97	mg/kg	93.98	2.0	08/22/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	7440-69-9	Bismuth	SOIL	LA-505-411	U	< 4.98	mg/kg	93.98	5.0	08/22/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	7440-21-3	Silicon	SOIL	LA-505-411	E	18.9	mg/kg	93.98	7.0	08/22/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	7439-96-5	Manganese	SOIL	LA-505-412	X	0.602	mg/kg	0.96	0.0191	08/22/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	7440-02-0	Nickel	SOIL	LA-505-412		0.118	mg/kg	0.96	0.0574	08/22/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	7440-22-4	Silver	SOIL	LA-505-412	U	< 0.0383	mg/kg	0.96	0.0383	08/22/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	7440-36-0	Antimony	SOIL	LA-505-412	U	< 0.287	mg/kg	0.96	0.287	08/22/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	7440-39-3	Barium	SOIL	LA-505-412		0.222	mg/kg	0.96	0.191	08/22/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	7440-41-7	Beryllium	SOIL	LA-505-412	U	< 0.0191	mg/kg	0.96	0.0191	08/22/06	08/16/06	08/16/06

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Report WGPP/ver. 1.3
PROJECT HANFORD MANAGEMENT COMPANY

REVISED Dayes 9/5/06

WSCF
ANALYTICAL RESULTS REPORT

Attention: D.L KLAGES H8-40 **Group #:** 20060934

Sample #	Client ID		CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W060002495	B1KB51	KLAGES	7440-43-9	Cadmium	SOIL	LA 505-412	U	< 0 0383	mg/kg	0.96	0.0383	08/22/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	7440-47-3	Chromium	SOIL	LA-505-412	U	< 0.670	mg/kg	0.96	0.670	08/22/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	7440-48-4	Cobalt	SOIL	LA-505-412	X	0.0306	mg/kg	0.96	0.0191	08/22/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	7440-50-8	Copper	SOIL	LA-505-412		1.49	mg/kg	0.96	0.191	08/22/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	7440-62-2	Vanadium	SOIL	LA-505-412	U	< 0.478	mg/kg	0.96	0.478	08/22/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	7440-66-6	Zinc	SOIL	LA-505-412	X	1.11	mg/kg	0.96	0.287	08/22/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	7439-92-1	Lead	SOIL	LA-505-412		0.143	mg/kg	0.96	0.0478	08/22/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	7439-97-6	Mercury	SOIL	LA-505-412	U	< 0.0383	mg/kg	0.96	0.0383	08/22/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	7439-98-7	Molybdenum	SOIL	LA-505-412	U	< 0.0957	mg/kg	0.96	0.0957	08/22/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	7440-29-1	Thorium	SOIL	LA-505-412	X	0.269	mg/kg	0.96	0.0478	08/22/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	7440-61-1	Uranium	SOIL	LA-505-412	X	0.0369	mg/kg	0.96	0.0191	08/22/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	7440-38-2	Arsenic	SOIL	LA-505-412	U	< 0.957	mg/kg	0.96	0.957	08/22/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	7782-49-2	Selenium	SOIL	LA-505-412	U	< 0.383	mg/kg	0.96	0.383	08/22/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	7440-28-0	Thallium	SOIL	LA-505-412		< 0.0300	mg/kg	0.96	0.0287	08/22/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	7440-24-6	Strontium	SOIL	LA-505-412		0.155	mg/kg	0.96	0.0287	08/22/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	7440-31-5	Tin	SOIL	LA-505-412	U	< 0.0478	mg/kg	0.96	0.0478	08/22/06	08/16/06	08/16/06
W060002496	B1KB75	KLAGES	TS	Total solids	SOIL	LA-519-412		88.9	%	1.00	0.0	08/21/06	08/16/06	08/16/06
W060002497	B1KB76	KLAGES	TS	Total solids	SOIL	LA-519-412		90.2	%	1.00	0.0	08/21/06	08/16/06	08/16/06
W060002498	B1KB77	KLAGES	TS	Total solids	SOIL	LA-519-412		>99.5	%	1.00	0.0	08/21/06	08/16/06	08/16/06

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REVISED
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9/5/06

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: 20060934
Matrix: SOLID
Test: Anions by Ion Chromatography

SAF Number: R06-013
Sample Date: 08/16/06
Receive Date:08/16/06

Lab ID: W060002493

BATCH QC ASSOCIATED WITH SAMPLE

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
DUP	Bromide	24959-67-9	<4.65	n/a	RPD	08/21/06	0.000	20.000	U
DUP	Chloride	16887-00-6	7.5314	9.110	RPD	08/21/06	0.000	20.000	
DUP	Fluoride	16984-48-8	<2	n/a	RPD	08/21/06	0.000	20.000	U
DUP	Nitrogen in Nitrite	NO2-N	<0.49	n/a	RPD	08/21/06	0.000	20.000	U
DUP	Nitrogen in Nitrate	NO3-N	13.4643	2.025	RPD	08/21/06	0.000	20.000	
DUP	Phosphate (P) by IC	PO4-P	<3.9	n/a	RPD	08/21/06	0.000	20.000	U
DUP	Sulfate	14808-79-8	29.0249	2.346	RPD	08/21/06	0.000	20.000	
MS	Bromide	24959-67-9	1.69307	84.654	% Recov	08/21/06	75.000	125.000	
MS	Chloride	16887-00-6	0.894452	91.271	% Recov	08/21/06	75.000	125.000	
MS	Fluoride	16984-48-8	0.42702	85.404	% Recov	08/21/06	75.000	125.000	
MS	Nitrogen in Nitrite	NO2-N	0.44588	89.534	% Recov	08/21/06	75.000	125.000	
MS	Nitrogen in Nitrate	NO3-N	0.407006	92.501	% Recov	08/21/06	75.000	125.000	
MS	Phosphate (P) by IC	PO4-P	0.55435	57.625	% Recov	08/21/06	75.000	125.000	*
MS	Sulfate	14808-79-8	1.775156	88.758	% Recov	08/21/06	75.000	125.000	
MSD	Bromide	24959-67-9	1.694338	84.717	% Recov	08/21/06	75.000	125.000	
MSD	Chloride	16887-00-6	0.90542	92.390	% Recov	08/21/06	75.000	125.000	
MSD	Fluoride	16984-48-8	0.434964	86.993	% Recov	08/21/06	75.000	125.000	
MSD	Nitrogen in Nitrite	NO2-N	0.438152	87.982	% Recov	08/21/06	75.000	125.000	
MSD	Nitrogen in Nitrate	NO3-N	0.425402	96.682	% Recov	08/21/06	75.000	125.000	
MSD	Phosphate (P) by IC	PO4-P	0.578926	60.179	% Recov	08/21/06	75.000	125.000	*
MSD	Sulfate	14808-79-8	1.764856	88.243	% Recov	08/21/06	75.000	125.000	

BATCH QC

BLANK	Bromide	24959-67-9	<9.3e-2	n/a	mg/L	08/21/06	0.000	300.000	U
BLANK	Bromide	24959-67-9	<9.3e-2	n/a	mg/L	08/21/06	0.000	300.000	U
BLANK	Chloride	16887-00-6	<3.4e-2	n/a	mg/L	08/21/06	0.000	300.000	U

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: 20060934
Matrix: SOLID
Test: Anions by Ion Chromatography

SAF Number: R06-013
Sample Date:
Receive Date:

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
BLANK	Chloride	16887-00-6	<3.4e-2	n/a	mg/L	08/21/06	0.000	300.000	U
BLANK	Fluoride	16984-48-8	<4e-2	n/a	mg/L	08/21/06	0.000	300.000	U
BLANK	Fluoride	16984-48-8	<4e-2	n/a	mg/L	08/21/06	0.000	300.000	U
BLANK	Nitrogen in Nitrite	NO2-N	<9.8e-3	n/a	mg/L	08/21/06	0.000	300.000	U
BLANK	Nitrogen in Nitrite	NO2-N	<9.8e-3	n/a	mg/L	08/21/06	0.000	300.000	U
BLANK	Nitrogen in Nitrate	NO3-N	<1.8e-2	n/a	mg/L	08/21/06	0.000	300.000	U
BLANK	Nitrogen in Nitrate	NO3-N	<1.8e-2	n/a	mg/L	08/21/06	0.000	300.000	U
BLANK	Phosphate (P) by IC	PO4-P	<7.8e-2	n/a	mg/L	08/21/06	0.000	300.000	U
BLANK	Phosphate (P) by IC	PO4-P	<7.8e-2	n/a	mg/L	08/21/06	0.000	300.000	U
BLANK	Sulfate	14808-79-8	<0.13	n/a	mg/L	08/21/06	0.000	300.000	U
BLANK	Sulfate	14808-79-8	<0.13	n/a	mg/L	08/21/06	0.000	300.000	U
LCS	Bromide	24959-67-9	390.9538	97.738	% Recov	08/21/06	80.000	120.000	
LCS	Chloride	16887-00-6	203.9548	104.059	% Recov	08/21/06	80.000	120.000	
LCS	Fluoride	16984-48-8	92.1569	92.157	% Recov	08/21/06	80.000	120.000	
LCS	Nitrogen in Nitrite	NO2-N	99.6832	100.084	% Recov	08/21/06	80.000	120.000	
LCS	Nitrogen in Nitrate	NO3-N	87.9705	100.080	% Recov	08/21/06	80.000	120.000	
LCS	Phosphate (P) by IC	PO4-P	189.4201	98.400	% Recov	08/21/06	80.000	120.000	
LCS	Sulfate	14808-79-8	388.5084	97.127	% Recov	08/21/06	80.000	120.000	

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: 20060934
Matrix: SOLID
Test: ICP Metals Analysis, Grd H20 P

SAF Number: R06-013
Sample Date: 08/16/06
Receive Date:08/16/06

Lab ID: W060002493
BATCH QC ASSOCIATED WITH SAMPLE

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
MS	Aluminum	7429-90-5	NA	n/a	% Recov	08/22/06	75.000	125.000	
MS	Boron	7440-42-8	212	109.845	% Recov	08/22/06	75.000	125.000	
MS	Bismuth	7440-69-9	213	110.363	% Recov	08/22/06	75.000	125.000	
MS	Calcium	7440-70-2	NA	n/a	% Recov	08/22/06	75.000	125.000	
MS	Iron	7439-89-6	NA	n/a	% Recov	08/22/06	75.000	125.000	
MS	Potassium	7440-09-7	2088	108.187	% Recov	08/22/06	75.000	125.000	
MS	Lithium	7439-93-2	106.675	110.544	% Recov	08/22/06	70.000	130.000	
MS	Magnesium	7439-95-4	NA	n/a	% Recov	08/22/06	75.000	125.000	
MS	Sodium	7440-23-5	193.9	100.466	% Recov	08/22/06	75.000	125.000	
MS	Silicon	7440-21-3	729.7	378.083	% Recov	08/22/06	70.000	130.000	*
MS	Titanium	7440-32-6	NA	n/a	% Recov	08/22/06	75.000	125.000	
MSD	Aluminum	7429-90-5	NA	n/a	% Recov	08/22/06	75.000	125.000	
MSD	Boron	7440-42-8	214.3	108.782	% Recov	08/22/06	75.000	125.000	
MSD	Bismuth	7440-69-9	225	114.213	% Recov	08/22/06	75.000	125.000	
MSD	Calcium	7440-70-2	NA	n/a	% Recov	08/22/06	75.000	125.000	
MSD	Iron	7439-89-6	NA	n/a	% Recov	08/22/06	75.000	125.000	
MSD	Potassium	7440-09-7	2087	105.939	% Recov	08/22/06	75.000	125.000	
MSD	Lithium	7439-93-2	108.475	110.127	% Recov	08/22/06	75.000	125.000	
MSD	Magnesium	7439-95-4	NA	n/a	% Recov	08/22/06	75.000	125.000	
MSD	Sodium	7440-23-5	194.1	98.528	% Recov	08/22/06	75.000	125.000	
MSD	Silicon	7440-21-3	785.2	398.579	% Recov	08/22/06	75.000	125.000	*
MSD	Titanium	7440-32-6	NA	n/a	% Recov	08/22/06	75.000	125.000	
SPK-RPD	Aluminum	7429-90-5		n/a	RPD	08/22/08	0.000	20.000	
SPK-RPD	Boron	7440-42-8	108.782	0.972	RPD	08/22/06	0.000	20.000	
SPK-RPD	Bismuth	7440-69-9	114.213	3.429	RPD	08/22/06	0.000	20.000	
SPK-RPD	Calcium	7440-70-2		n/a	RPD	08/22/06	0.000	20.000	

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: 20060934
Matrix: SOLID
Test: ICP Metals Analysis, Grd H20 P

SAF Number: R06-013
Sample Date: 08/16/06
Receive Date:08/16/06

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit		RQ
SPK-RPD	Iron	7439-89-6		n/a	RPD	08/22/06	0.000	20.000		
SPK-RPD	Potassium	7440-09-7	105.939	2.100	RPD	08/22/06	0.000	20.000		
SPK-RPD	Lithium	7439-93-2	110.127	0.378	RPD	08/22/06	0.000	20.000		
SPK-RPD	Magnesium	7439-95-4		n/a	RPD	08/22/06	0.000	20.000		
SPK-RPD	Sodium	7440-23-5	98.528	1.948	RPD	08/22/06	0.000	20.000		
SPK-RPD	Silicon	7440-21-3	398.579	5.278	RPD	08/22/06	0.000	20.000		
SPK-RPD	Titanium	7440-32-6		n/a	RPD	08/22/06	0.000	20.000		
BATCH QC										
BLANK	Aluminum	7429-90-5	6.02e-2	0.060	ug/mL	08/22/06				
BLANK	Boron	7440-42-8	<2.1e-2	n/a	ug/mL	08/22/06				U
BLANK	Bismuth	7440-69-9	<5.3e-2	n/a	ug/mL	08/22/06				U
BLANK	Calcium	7440-70-2	<3.1e-2	n/a	ug/mL	08/22/06				U
BLANK	Iron	7439-89-6	<3.3e-2	n/a	ug/mL	08/22/06				U
BLANK	Potassium	7440-09-7	<0.22	n/a	ug/mL	08/22/06				U
BLANK	Lithium	7439-93-2	<6e-3	n/a	ug/mL	08/22/06				U
BLANK	Magnesium	7439-95-4	<1.5e-2	n/a	ug/mL	08/22/06				U
BLANK	Sodium	7440-23-5	<0.115	n/a	ug/mL	08/22/06				U
BLANK	Silicon	7440-21-3	<7.5e-2	n/a	ug/mL	08/22/06				U
BLANK	Titanium	7440-32-6	<4e-3	n/a	ug/mL	08/22/06				U
LCS	Aluminum	7429-90-5	7143	113.022	% Recov	08/22/06	44.000	157.000		
LCS	Boron	7440-42-8	107.4	110.267	% Recov	08/22/06	45.000	156.000		
LCS	Bismuth	7440-69-9	236.2	119.052	% Recov	08/22/06	80.000	120.000		
LCS	Calcium	7440-70-2	4197	126.416	% Recov	08/22/06	76.000	124.000	•	
LCS	Iron	7439-89-6	12920	115.357	% Recov	08/22/06	47.000	152.000		
LCS	Potassium	7440-09-7	2176	113.333	% Recov	08/22/06	64.000	136.000		
LCS	Lithium	7439-93-2	7.524	126.242	% Recov	08/22/06	80.000	120.000	•	
LCS	Magnesium	7439-95-4	2348	115.098	% Recov	08/22/06	71.000	129.000		
LCS	Sodium	7440-23-5	509.5	114.494	% Recov	08/22/06	51.000	149.000		
LCS	Silicon	7440-21-3	169.2	23.210	% Recov	08/22/06	80.000	120.000	•	

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: 20060934
Matrix: SOLID
Test: ICP Metals Analysis, Grd H20 P

SAF Number: R06-013
Sample Date:
Receive Date:

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
LCS	Titanium	7440-32-6	291.4	94.000	% Recov	08/22/06	9.000	191.000	

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: 20060934
Matrix: SOLID
Test: ICP-2008 MS All possible metal

SAF Number: R06-013
Sample Date: 08/16/06
Receive Date:08/16/06

Lab ID: W060002493
BATCH QC ASSOCIATED WITH SAMPLE

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
MS	Silver	7440-22-4	195.1	97.550	% Recov	08/22/06	70.000	130.000	
MS	Arsenic	7440-38-2	168.39	84.195	% Recov	08/22/06	70.000	130.000	
MS	Barium	7440-39-3	195.42	97.710	% Recov	08/22/06	70.000	130.000	
MS	Beryllium	7440-41-7	200.5175	100.259	% Recov	08/22/06	70.000	130.000	
MS	Cadmium	7440-43-9	207.60505	103.803	% Recov	08/22/06	70.000	130.000	
MS	Cobalt	7440-48-4	187.382	93.691	% Recov	08/22/06	70.000	130.000	
MS	Chromium	7440-47-3	192.848	96.424	% Recov	08/22/06	70.000	130.000	
MS	Copper	7440-50-8	184	92.000	% Recov	08/22/06	70.000	130.000	
MS	Mercury	7439-97-6	2.1878	109.390	% Recov	08/22/06	70.000	130.000	
MS	Manganese	7439-96-5	163.4	81.700	% Recov	08/22/06	70.000	130.000	
MS	Molybdenum	7439-98-7	173.7549	86.877	% Recov	08/22/06	70.000	130.000	
MS	Nickel	7440-02-0	189.91	94.955	% Recov	08/22/06	70.000	130.000	
MS	Lead	7439-92-1	203.126	101.563	% Recov	08/22/06	70.000	130.000	
MS	Antimony	7440-36-0	190.8	95.400	% Recov	08/22/06	70.000	130.000	
MS	Selenium	7782-49-2	168	84.000	% Recov	08/22/06	70.000	130.000	
MS	Tin	7440-31-5	204.54	102.270	% Recov	08/22/06	70.000	130.000	
MS	Strontium	7440-24-6	165.13	82.565	% Recov	08/22/06	70.000	130.000	
MS	Thorium	7440-29-1	197.993	98.996	% Recov	08/22/06	70.000	130.000	
MS	Thallium	7440-28-0	198.93748	99.469	% Recov	08/22/06	70.000	130.000	
MS	Uranium	7440-61-1	201.272	100.636	% Recov	08/22/06	70.000	130.000	
MS	Vanadium	7440-62-2	173.2	86.600	% Recov	08/22/06	70.000	130.000	
MS	Zinc	7440-66-6	186.34	93.170	% Recov	08/22/06	70.000	130.000	
MSD	Silver	7440-22-4	186.4	93.200	% Recov	08/22/06	70.000	130.000	
MSD	Arsenic	7440-38-2	158.89	79.445	% Recov	08/22/06	70.000	130.000	
MSD	Barium	7440-39-3	186.22	93.110	% Recov	08/22/06	70.000	130.000	
MSD	Beryllium	7440-41-7	192.2175	96.109	% Recov	08/22/06	70.000	130.000	

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: 20060934
Matrix: SOLID
Test: ICP-2008 MS All possible metal

SAF Number: R06-013
Sample Date: 08/16/06
Receive Date:08/16/06

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
MSD	Cadmium	7440-43-9	195.10505	97.553	% Recov	08/22/06	70.000	130.000	
MSD	Cobalt	7440-48-4	175.782	87.891	% Recov	08/22/06	70.000	130.000	
MSD	Chromium	7440-47-3	184.048	92.024	% Recov	08/22/06	70.000	130.000	
MSD	Copper	7440-50-8	179.1	89.550	% Recov	08/22/06	70.000	130.000	
MSD	Mercury	7439-97-6	2.0908	104.540	% Recov	08/22/06	70.000	130.000	
MSD	Manganese	7439-96-5	152.4	76.200	% Recov	08/22/06	70.000	130.000	
MSD	Molybdenum	7439-98-7	159.7549	79.877	% Recov	08/22/06	70.000	130.000	
MSD	Nickel	7440-02-0	179.71	89.855	% Recov	08/22/06	70.000	130.000	
MSD	Lead	7439-92-1	198.526	99.263	% Recov	08/22/06	70.000	130.000	
MSD	Antimony	7440-36-0	185.1	92.550	% Recov	08/22/06	70.000	130.000	
MSD	Selenium	7782-49-2	155.4	77.700	% Recov	08/22/06	70.000	130.000	
MSD	Tin	7440-31-5	195.54	97.770	% Recov	08/22/06	70.000	130.000	
MSD	Strontium	7440-24-6	156.53	78.265	% Recov	08/22/06	70.000	130.000	
MSD	Thorium	7440-29-1	188.393	94.197	% Recov	08/22/06	70.000	130.000	
MSD	Thallium	7440-28-0	193.53748	96.769	% Recov	08/22/06	70.000	130.000	
MSD	Uranium	7440-61-1	189.472	94.736	% Recov	08/22/06	70.000	130.000	
MSD	Vanadium	7440-62-2	165.7	82.850	% Recov	08/22/06	70.000	130.000	
MSD	Zinc	7440-66-6	179.64	89.820	% Recov	08/22/06	70.000	130.000	
SPK-RPD	Silver	7440-22-4	93.200	4.561	RPD	08/22/06	0.000	20.000	
SPK-RPD	Arsenic	7440-38-2	79.445	5.805	RPD	08/22/06	0.000	20.000	
SPK-RPD	Barium	7440-39-3	93.110	4.821	RPD	08/22/06	0.000	20.000	
SPK-RPD	Beryllium	7440-41-7	96.109	4.227	RPD	08/22/06	0.000	20.000	
SPK-RPD	Cadmium	7440-43-9	97.553	6.208	RPD	08/22/06	0.000	20.000	
SPK-RPD	Cobalt	7440-48-4	87.891	6.388	RPD	08/22/06	0.000	20.000	
SPK-RPD	Chromium	7440-47-3	92.024	4.670	RPD	08/22/06	0.000	20.000	
SPK-RPD	Copper	7440-50-8	89.550	2.699	RPD	08/22/06	0.000	20.000	
SPK-RPD	Mercury	7439-97-6	104.540	4.534	RPD	08/22/06	0.000	20.000	
SPK-RPD	Manganese	7439-96-5	76.200	6.966	RPD	08/22/06	0.000	20.000	
SPK-RPD	Molybdenum	7439-98-7	79.877	8.396	RPD	08/22/06	0.000	20.000	
SPK-RPD	Nickel	7440-02-0	89.855	5.519	RPD	08/22/06	0.000	20.000	

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: 20060934
Matrix: SOLID
Test: ICP-2008 MS All possible metal

SAF Number: R06-013
Sample Date: 08/16/06
Receive Date:08/16/06

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
SPK-RPD	Lead	7439-92-1	99.263	2.291	RPD	08/22/06	0.000	20.000	
SPK-RPD	Antimony	7440-36-0	92.550	3.033	RPD	08/22/06	0.000	20.000	
SPK-RPD	Selenium	7782-49-2	77.700	7.792	RPD	08/22/06	0.000	20.000	
SPK-RPD	Tin	7440-31-5	97.770	4.499	RPD	08/22/06	0.000	20.000	
SPK-RPD	Strontium	7440-24-6	78.265	5.347	RPD	08/22/06	0.000	20.000	
SPK-RPD	Thorium	7440-29-1	94.197	4.968	RPD	08/22/06	0.000	20.000	
SPK-RPD	Thallium	7440-28-0	96.769	2.752	RPD	08/22/06	0.000	20.000	
SPK-RPD	Uranium	7440-61-1	94.736	6.040	RPD	08/22/06	0.000	20.000	
SPK-RPD	Vanadium	7440-62-2	82.850	4.426	RPD	08/22/06	0.000	20.000	
SPK-RPD	Zinc	7440-66-6	89.820	3.661	RPD	08/22/06	0.000	20.000	

BATCH QC

BLANK	Silver	7440-22-4	<4e-2	n/a	ug/L	08/22/06			U
BLANK	Arsenic	7440-38-2	<1	n/a	ug/L	08/22/06			U
BLANK	Barium	7440-39-3	<0.2	n/a	ug/L	08/22/06			U
BLANK	Beryllium	7440-41-7	<2e-2	n/a	ug/L	08/22/06			U
BLANK	Cadmium	7440-43-9	<4e-2	n/a	ug/L	08/22/06			U
BLANK	Cobalt	7440-48-4	<2e-2	n/a	ug/L	08/22/06			U
BLANK	Chromium	7440-47-3	<0.7	n/a	ug/L	08/22/06			U
BLANK	Copper	7440-50-8	<0.2	n/a	ug/L	08/22/06			U
BLANK	Mercury	7439-97-6	<4e-2	n/a	ug/L	08/22/06			U
BLANK	Manganese	7439-96-5	<2e-2	n/a	ug/L	08/22/06			U
BLANK	Molybdenum	7439-98-7	<0.1	n/a	ug/L	08/22/06			U
BLANK	Nickel	7440-02-0	<6e-2	n/a	ug/L	08/22/06			U
BLANK	Lead	7439-92-1	<5e-2	n/a	ug/L	08/22/06			U
BLANK	Antimony	7440-36-0	<0.3	n/a	ug/L	08/22/06			U
BLANK	Selenium	7782-49-2	<0.4	n/a	ug/L	08/22/06			U
BLANK	Tin	7440-31-5	<5e-2	n/a	ug/L	08/22/06			U
BLANK	Strontium	7440-24-6	<3e-2	n/a	ug/L	08/22/06			U
BLANK	Thorium	7440-29-1	<5e-2	n/a	ug/L	08/22/06			U

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: 20060934
Matrix: SOLID
Test: ICP-2008 MS All possible metal

SAF Number: R06-013
Sample Date:
Receive Date:

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
BLANK	Thallium	7440-28-0	<3e-2	n/a	ug/L	08/22/06			U
BLANK	Uranium	7440-61-1	<2e-2	n/a	ug/L	08/22/06			U
BLANK	Vanadium	7440-62-2	<0.5	n/a	ug/L	08/22/06			U
BLANK	Zinc	7440-66-6	0.3413	0.341	ug/L	08/22/06			
LCS	Silver	7440-22-4	145.6	112.000	% Recov	08/22/06	98.000	134.000	
LCS	Arsenic	7440-38-2	160.3	99.565	% Recov	08/22/06	75.000	134.000	
LCS	Barium	7440-39-3	253.6	100.635	% Recov	08/22/06	87.000	121.000	
LCS	Beryllium	7440-41-7	98.22	104.047	% Recov	08/22/06	70.000	153.000	
LCS	Cadmium	7440-43-9	128.3	100.234	% Recov	08/22/06	95.000	124.000	
LCS	Cobalt	7440-48-4	36.52	103.750	% Recov	08/22/06	88.000	119.000	
LCS	Chromium	7440-47-3	70.03	100.763	% Recov	08/22/06	77.000	125.000	
LCS	Copper	7440-50-8	151.1	102.095	% Recov	08/22/06	84.000	122.000	
LCS	Mercury	7439-97-6	16.93	100.178	% Recov	08/22/06	71.000	132.000	
LCS	Manganese	7439-96-5	424.9	104.142	% Recov	08/22/06	83.000	118.000	
LCS	Molybdenum	7439-98-7	88.47	105.196	% Recov	08/22/06	71.000	130.000	
LCS	Nickel	7440-02-0	155.8	105.986	% Recov	08/22/06	90.000	121.000	
LCS	Lead	7439-92-1	149.6	105.352	% Recov	08/22/06	92.000	123.000	
LCS	Antimony	7440-36-0	100.7	165.353	% Recov	08/22/06	114.000	260.000	
LCS	Selenium	7782-49-2	68.67	106.963	% Recov	08/22/06	52.000	157.000	
LCS	Tin	7440-31-5	61.44	100.721	% Recov	08/22/06	86.000	123.000	
LCS	Strontium	7440-24-6	84.12	100.143	% Recov	08/22/06	68.000	123.000	
LCS	Thorium	7440-29-1	378.1	94.525	% Recov	08/22/06	77.000	121.000	
LCS	Thallium	7440-28-0	86.99	103.560	% Recov	08/22/06	92.000	123.000	
LCS	Uranium	7440-61-1	390.4	97.600	% Recov	08/22/06	81.000	125.000	
LCS	Vanadium	7440-62-2	102.6	105.447	% Recov	08/22/06	81.000	122.000	
LCS	Zinc	7440-66-6	175.7	106.485	% Recov	08/22/06	85.000	130.000	

WSCF
ANALYTICAL RESULTS REPORT

Attention: D.L KLAGES H8-40 **Group #:** 20060934

Sample #	Client ID		CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
Organic														
W060002493	B1KB49	KLAGES	100-02-7	4-Nitrophenol	SOIL	LA-523-456	U	< 240	ug/kg	1.00	2.4e+02	08/18/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	106-46-7	1,4-Dichlorobenzene	SOIL	LA-523-456	U	< 290	ug/kg	1.00	2.9e+02	08/18/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	108-95-2	Phenol	SOIL	LA-523-456	U	< 170	ug/kg	1.00	1.7e+02	08/18/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	120-82-1	1,2,4-Trichlorobenzene	SOIL	LA-523-456	U	< 170	ug/kg	1.00	1.7e+02	08/18/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	121-14-2	2,4-Dinitrotoluene	SOIL	LA-523-456	U	< 170	ug/kg	1.00	1.7e+02	08/18/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	129-00-0	Pyrene	SOIL	LA-523-456	U	< 170	ug/kg	1.00	1.7e+02	08/18/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	59-50-7	4-Chloro-3-methylphenol	SOIL	LA-523-456	U	< 170	ug/kg	1.00	1.7e+02	08/18/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	621-64-7	N Nitrosodi-n-dipropylamine	SOIL	LA-523-456	U	< 170	ug/kg	1.00	1.7e+02	08/18/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	83-32-9	Acenaphthene	SOIL	LA-523-456	U	< 170	ug/kg	1.00	1.7e+02	08/18/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	87-86-5	Pentachlorophenol	SOIL	LA-523-456	U	< 240	ug/kg	1.00	2.4e+02	08/18/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	95-57-8	2-Chlorophenol	SOIL	LA-523-456	U	< 170	ug/kg	1.00	1.7e+02	08/18/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	100-01-6	4-Nitroaniline	SOIL	LA-523-456	U	< 240	ug/kg	1.00	2.4e+02	08/18/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	101-55-3	4-Bromophenylphenyl ether	SOIL	LA-523-456	U	< 170	ug/kg	1.00	1.7e+02	08/18/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	105-67-9	2,4-Dimethylphenol	SOIL	LA-523-456	U	< 270	ug/kg	1.00	2.7e+02	08/18/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	106-47-8	4-Chloroaniline	SOIL	LA-523-456	U	< 360	ug/kg	1.00	3.6e+02	08/18/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	108-60-1	Bis(2-chloro-1-methylethyl)eth	SOIL	LA-523-456	U	< 170	ug/kg	1.00	1.7e+02	08/18/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	111-44-4	Bis(2-chloroethyl) ether	SOIL	LA-523-456	U	< 170	ug/kg	1.00	1.7e+02	08/18/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	111-91-1	Bis(2-Chloroethoxy)methane	SOIL	LA-523-456	U	< 170	ug/kg	1.00	1.7e+02	08/18/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	117-81-7	Bis(2-ethylhexyl) phthalate	SOIL	LA-523-456	J	230	ug/kg	1.00	1.7e+02	08/18/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	117-84-0	Di-n-octylphthalate	SOIL	LA-523-456	U	< 240	ug/kg	1.00	2.4e+02	08/18/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	118-74-1	Hexachlorobenzene	SOIL	LA-523-456	U	< 170	ug/kg	1.00	1.7e+02	08/18/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	120-12-7	Anthracene	SOIL	LA-523-456	U	< 170	ug/kg	1.00	1.7e+02	08/18/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	120-83-2	2,4-Dichlorophenol	SOIL	LA-523-456	U	< 170	ug/kg	1.00	1.7e+02	08/18/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	131-11-3	Dimethyl phthalate	SOIL	LA-523-456	U	< 170	ug/kg	1.00	1.7e+02	08/18/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	132-64-9	Dibenzofuran	SOIL	LA-523-456	U	< 170	ug/kg	1.00	1.7e+02	08/18/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	191-24-2	Benzo(ghi)perylene	SOIL	LA-523-456	U	< 270	ug/kg	1.00	2.7e+02	08/18/06	08/16/06	08/16/06

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Report WGPP/ver. 1.3
PROJECT HANFORD MANAGEMENT COMPANY

REVISED
DKlages
9/5/06

WSCF
ANALYTICAL RESULTS REPORT

Attention: D.L KLAGES H8-40 **Group #:** 20060934

Sample #	Client ID		CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W060002493	B1KB49	KLAGES	193-39 5	Indeno(1,2,3-cd)pyrene	SOIL	LA-523-456	U	< 290	ug/kg	1.00	2.9e+02	08/18/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	205-99-2	Benzo(b)fluoranthene	SOIL	LA-523-456	U	< 210	ug/kg	1.00	2 1e+02	08/18/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	206-44-0	Fluoranthene	SOIL	LA-523-456	U	< 170	ug/kg	1.00	1.7e+02	08/18/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	207-08-9	Benzo(k)fluoranthene	SOIL	LA-523-456	U	< 210	ug/kg	1.00	2.1e+02	08/18/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	208-96 8	Acenaphthylene	SOIL	LA-523-456	U	< 170	ug/kg	1.00	1.7e+02	08/18/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	218-01-9	Chrysene	SOIL	LA-523-456	U	< 170	ug/kg	1.00	1.7e+02	08/18/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	50-32-8	Benzo(a)pyrene	SOIL	LA-523-456	U	< 240	ug/kg	1.00	2.4e+02	08/18/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	51-28 5	2,4 Dinitrophenol	SOIL	LA-523-456	U	< 720	ug/kg	1.00	7.2e+02	08/18/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	53-70-3	Dibenz(a,h)anthracene	SOIL	LA-523-456	U	< 310	ug/kg	1.00	3.1e+02	08/18/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	534-52-1	4,6 Dinitro-2-methylphenol	SOIL	LA-523 456	U	< 270	ug/kg	1 00	2 7e+02	08/18/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	541-73-1	1,3-Dichlorobenzene	SOIL	LA-523-456	U	< 310	ug/kg	1.00	3 1e+02	08/18/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	56-55-3	Benzo(a)anthracene	SOIL	LA 523-456	U	< 170	ug/kg	1.00	1.7e+02	08/18/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	606-20-2	2,6-Dinitrotoluene	SOIL	LA-523-456	U	< 170	ug/kg	1.00	1.7e+02	08/18 06	08.16/06	08/16 06
W060002493	B1KB49	KLAGES	7005-72-3	4-Chlorophenylphenyl ether	SOIL	LA-523-456	U	< 170	ug/kg	1.00	1.7e+02	08/18/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	77-47-4	Hexachlorocyclopentadiene	SOIL	LA-523 456	U	< 190	ug/kg	1.00	1 9e+02	08/18/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	78-59-1	Isophorone	SOIL	LA-523-456	U	< 170	ug/kg	1.00	1.7e+02	08/18/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	84-66-2	Diethylphthalate	SOIL	LA-523-456	U	< 250	ug/kg	1.00	2.5e+02	08/18/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	84-74 2	Di-n-butylphthalate	SOIL	LA-523-456	U	< 170	ug/kg	1 00	1.7e+02	08/18/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	85-01 8	Phenanthrene	SOIL	LA-523-456	U	< 170	ug/kg	1.00	1.7e+02	08/18/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	85-68-7	Butylbenzylphthalate	SOIL	LA-523 456	U	< 170	ug/kg	1.00	1 7e+02	08/18/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	86-30 6	N-Nitrosodiphenylamine	SOIL	LA-523-456	U	< 190	ug/kg	1.00	1.9e+02	08/18/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	86-73-7	Fluorene	SOIL	LA 523-456	U	< 170	ug/kg	1.00	1.7e+02	08/18/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	86-74-8	Carbazole	SOIL	LA-523 456	U	< 170	ug/kg	1.00	1.7e+02	08/18/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	87-68 3	Hexachlorobutadiene	SOIL	LA-523-456	U	< 170	ug/kg	1.00	1.7e+02	08/18/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	88-74-4	2-Nitroaniline	SOIL	LA-523-456	U	< 170	ug/kg	1.00	1.7e+02	08/18/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	88-75-5	2-Nitrophenol	SOIL	LA-523-456	U	< 170	ug/kg	1.00	1.7e+02	08/18/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	91-20 3	Naphthalene	SOIL	LA-523-456	U	< 170	ug/kg	1 00	1.7e+02	08/18/06	08/16/06	08/16/06

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Report WGPP/ver. 1.3
PROJECT HANFORD MANAGEMENT COMPANY

REVISED
Dlyces
9/5/06

WSCF
ANALYTICAL RESULTS REPORT

Attention: D.L KLAGES H8-40 **Group #:** 20060934

Sample #	Client ID		CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W060002493	B1KB49	KLAGES	91-57-6	2-Methylnaphthalene	SOIL	LA-523-456	U	< 170	ug/kg	1.00	1.7e+02	08/18/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	91-58-7	2-Chloronaphthalene	SOIL	LA-523-456	U	< 170	ug/kg	1.00	1.7e+02	08/18/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	91-94-1	3,3'-Dichlorobenzidine	SOIL	LA-523-456	U	< 310	ug/kg	1.00	3.1e+02	08/18/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	95-48-7	2-Methylphenol (cresol, o-)	SOIL	LA-523-456	U	< 170	ug/kg	1.00	1.7e+02	08/18/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	95-50-1	1,2-Dichlorobenzene	SOIL	LA-523-456	U	< 290	ug/kg	1.00	2.9e+02	08/18/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	95-95-4	2,4,5-Trichlorophenol	SOIL	LA-523-456	U	< 170	ug/kg	1.00	1.7e+02	08/18/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	98-95-3	Nitrobenzene	SOIL	LA-523-456	U	< 170	ug/kg	1.00	1.7e+02	08/18/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	99-09-2	3-Nitroaniline	SOIL	LA-523-456	U	< 170	ug/kg	1.00	1.7e+02	08/18/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	65794-96-9	3 & 4 Methylphenol Total	SOIL	LA-523-456	U	< 170	ug/kg	1.00	1.7e+02	08/18/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	67-72-1	Hexachloroethane	SOIL	LA-523-456	U	< 270	ug/kg	1.00	2.7e+02	08/18/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	88-06-2	2,4,6-Trichlorophenol	SOIL	LA-523-456	U	< 170	ug/kg	1.00	1.7e+02	08/18/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	124-18-5	Decane	SOIL	LA-523-456	U	< 240	ug/kg	1.00	2.4e+02	08/18/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	112-40-3	Dodecane	SOIL	LA-523-456	U	< 170	ug/kg	1.00	1.7e+02	08/18/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	100-51-6	Benzyl alcohol	SOIL	LA-523-456	U	< 170	ug/kg	1.00	1.7e+02	08/18/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	111-76-2	2-Butoxyethanol	SOIL	LA-523-456	U	< 240	ug/kg	1.00	2.4e+02	08/18/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	126-73-8	Tributyl phosphate	SOIL	LA-523-456	U	< 170	ug/kg	1.00	1.7e+02	08/18/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	91-59-8	2-Naphthylamine	SOIL	LA-523-456	U	< 460	ug/kg	1.00	4.6e+02	08/18/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	108-94-1	Cyclohexanone	SOIL	LA-523-456	U	< 170	ug/kg	1.00	1.7e+02	08/18/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	110-86-1	Pyridine	SOIL	LA-523-456	U	< 170	ug/kg	1.00	1.7e+02	08/18/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	95-63-6	1,2,4-Trimethylbenzene	SOIL	LA-523-456	U	< 220	ug/kg	1.00	2.2e+02	08/18/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	65-85-0	Benzoic acid	SOIL	LA-523-456	U	< 480	ug/kg	1.00	480	08/18/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	78-46-6	Dibutyl butylphosphonate	SOIL	LA-523-456	U	< 1.7e+02	ug/kg	1.00	1.7e+02	08/18/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	TPHDIESEL	Total Pet. Hydrocarbons Diesel	SOIL	NWTPH	U	< 3.10e+03	ug/kg	1.00	3.1e+03	08/21/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	TPHKEROSENE	Kerosene	SOIL	NWTPH	U	< 3.10e+03	ug/kg	1.00	3.1e+03	08/21/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	100-02-7	4-Nitrophenol	SOIL	LA-523-456	U	< 240	ug/kg	1.00	2.4e+02	08/18/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	106-46-7	1,4-Dichlorobenzene	SOIL	LA-523-456	U	< 290	ug/kg	1.00	2.9e+02	08/18/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	108-95-2	Phenol	SOIL	LA-523-456	U	< 170	ug/kg	1.00	1.7e+02	08/18/06	08/16/06	08/16/06

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REVISED
R Dayes
9/5/06

WSCF
ANALYTICAL RESULTS REPORT

Attention: D.L KLAGES H8-40 **Group #:** 20060934

Sample #	Client ID		CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W060002494	B1KB50	KLAGES	120-82-1	1,2,4-Trichlorobenzene	SOIL	LA-523-456	U	< 170	ug/kg	1.00	1.7e+02	08/18/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	121-14-2	2,4-Dinitrotoluene	SOIL	LA-523-456	U	< 170	ug/kg	1.00	1.7e+02	08/18/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	129-00-0	Pyrene	SOIL	LA-523-456	U	< 170	ug/kg	1.00	1.7e+02	08/18/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	59-50-7	4-Chloro-3-methylphenol	SOIL	LA-523-456	U	< 170	ug/kg	1.00	1.7e+02	08/18/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	621-64-7	N-Nitrosodi-n-dipropylamine	SOIL	LA-523-456	U	< 170	ug/kg	1.00	1.7e+02	08/18/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	83-32-9	Acenaphthene	SOIL	LA-523-456	U	< 170	ug/kg	1.00	1.7e+02	08/18/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	87-86-5	Pentachlorophenol	SOIL	LA-523-456	U	< 240	ug/kg	1.00	2.4e+02	08/18/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	95-57-8	2-Chlorophenol	SOIL	LA-523-456	U	< 170	ug/kg	1.00	1.7e+02	08/18/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	100-01-6	4-Nitroaniline	SOIL	LA-523-456	U	< 240	ug/kg	1.00	2.4e+02	08/18/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	101-55-3	4-Bromophenylphenyl ether	SOIL	LA-523-456	U	< 170	ug/kg	1.00	1.7e+02	08/18/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	105-67-9	2,4-Dimethylphenol	SOIL	LA-523-456	U	< 260	ug/kg	1.00	2.6e+02	08/18/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	106-47-8	4-Chloroaniline	SOIL	LA-523-456	U	< 360	ug/kg	1.00	3.6e+02	08/18/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	108-60-1	Bis(2-chloro-1-methylethyl)eth	SOIL	LA-523-456	U	< 170	ug/kg	1.00	1.7e+02	08/18/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	111-44-4	Bis(2-chloroethyl) ether	SOIL	LA-523-456	U	< 170	ug/kg	1.00	1.7e+02	08/18/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	111-91-1	Bis(2-Chloroethoxy)methane	SOIL	LA-523-456	U	< 170	ug/kg	1.00	1.7e+02	08/18/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	117-81-7	Bis(2-ethylhexyl) phthalate	SOIL	LA-523-456	U	< 170	ug/kg	1.00	1.7e+02	08/18/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	117-84-0	Di-n-octylphthalate	SOIL	LA-523-456	J	420	ug/kg	1.00	2.4e+02	08/18/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	118-74-1	Hexachlorobenzene	SOIL	LA-523-456	U	< 170	ug/kg	1.00	1.7e+02	08/18/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	120-12-7	Anthracene	SOIL	LA-523-456	U	< 170	ug/kg	1.00	1.7e+02	08/18/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	120-83-2	2,4-Dichlorophenol	SOIL	LA-523-456	U	< 170	ug/kg	1.00	1.7e+02	08/18/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	131-11-3	Dimethyl phthalate	SOIL	LA-523-456	U	< 170	ug/kg	1.00	1.7e+02	08/18/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	132-64-9	Dibenzofuran	SOIL	LA-523-456	U	< 170	ug/kg	1.00	1.7e+02	08/18/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	191-24-2	Benzo(ghi)perylene	SOIL	LA-523-456	U	< 260	ug/kg	1.00	2.6e+02	08/18/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	193-39-5	Indeno(1,2,3-cd)pyrene	SOIL	LA-523-456	U	< 290	ug/kg	1.00	2.9e+02	08/18/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	205-99-2	Benzo(b)fluoranthene	SOIL	LA-523-456	U	< 200	ug/kg	1.00	2.0e+02	08/18/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	206-44-0	Fluoranthene	SOIL	LA-523-456	U	< 170	ug/kg	1.00	1.7e+02	08/18/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	207-08-9	Benzo(k)fluoranthene	SOIL	LA-523-456	U	< 200	ug/kg	1.00	2.0e+02	08/18/06	08/16/06	08/16/06

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Report WGPP/ver. 1.3
PROJECT HANFORD MANAGEMENT COMPANY

REVISED DMyers 9/5/06

WSCF
ANALYTICAL RESULTS REPORT

Attention: D.L KLAGES H8-40 **Group #:** 20060934

Sample #	Client ID		CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W060002494	B1KB50	KLAGES	208-96-8	Acenaphthylene	SOIL	LA-523-456	U	< 170	ug/kg	1.00	1.7e+02	08/18/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	218-01-9	Chrysene	SOIL	LA-523-456	U	< 170	ug/kg	1.00	1.7e+02	08/18/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	50-32-8	Benzo(a)pyrene	SOIL	LA-523-456	U	< 240	ug/kg	1.00	2.4e+02	08/18/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	51-28-5	2,4-Dinitrophenol	SOIL	LA-523-456	U	< 720	ug/kg	1.00	7.2e+02	08/18/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	53-70-3	Dibenz[a,h]anthracene	SOIL	LA-523-456	U	< 310	ug/kg	1.00	3.1e+02	08/18/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	534-52-1	4,6-Dinitro-2-methylphenol	SOIL	LA-523-456	U	< 260	ug/kg	1.00	2.6e+02	08/18/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	541-73-1	1,3-Dichlorobenzene	SOIL	LA-523-456	U	< 310	ug/kg	1.00	3.1e+02	08/18/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	56-55-3	Benzo(a)anthracene	SOIL	LA-523-456	U	< 170	ug/kg	1.00	1.7e+02	08/18/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	606-20-2	2,6-Dinitrotoluene	SOIL	LA-523-456	U	< 170	ug/kg	1.00	1.7e+02	08/18/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	7005-72-3	4-Chlorophenylphenyl ether	SOIL	LA-523-456	U	< 170	ug/kg	1.00	1.7e+02	08/18/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	77-47-4	Hexachlorocyclopentadiene	SOIL	LA-523-456	U	< 190	ug/kg	1.00	1.9e+02	08/18/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	78-59-1	Isophorone	SOIL	LA-523-456	U	< 170	ug/kg	1.00	1.7e+02	08/18/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	84-66-2	Diethylphthalate	SOIL	LA-523-456	J	270	ug/kg	1.00	2.5e+02	08/18/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	84-74-2	Di-n-butylphthalate	SOIL	LA-523-456	U	< 170	ug/kg	1.00	1.7e+02	08/18/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	85-01-8	Phenanthrene	SOIL	LA-523-456	U	< 170	ug/kg	1.00	1.7e+02	08/18/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	85-68-7	Butylbenzylphthalate	SOIL	LA-523-456	U	< 170	ug/kg	1.00	1.7e+02	08/18/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	86-30-6	N-Nitrosodiphenylamine	SOIL	LA-523-456	U	< 190	ug/kg	1.00	1.9e+02	08/18/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	86-73-7	Fluorene	SOIL	LA-523-456	U	< 170	ug/kg	1.00	1.7e+02	08/18/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	86-74-8	Carbazole	SOIL	LA-523-456	U	< 170	ug/kg	1.00	1.7e+02	08/18/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	87-68-3	Hexachlorobutadiene	SOIL	LA-523-456	U	< 170	ug/kg	1.00	1.7e+02	08/18/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	88-74-4	2-Nitroaniline	SOIL	LA-523-456	U	< 170	ug/kg	1.00	1.7e+02	08/18/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	88-75-5	2-Nitrophenol	SOIL	LA-523-456	U	< 170	ug/kg	1.00	1.7e+02	08/18/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	91-20-3	Naphthalene	SOIL	LA-523-456	U	< 170	ug/kg	1.00	1.7e+02	08/18/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	91-57-6	2-Methylnaphthalene	SOIL	LA-523-456	U	< 170	ug/kg	1.00	1.7e+02	08/18/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	91-58-7	2-Chloronaphthalene	SOIL	LA-523-456	U	< 170	ug/kg	1.00	1.7e+02	08/18/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	91-94-1	3,3'-Dichlorobenzidine	SOIL	LA-523-456	U	< 310	ug/kg	1.00	3.1e+02	08/18/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	95-48-7	2-Methylphenol (cresol, o-)	SOIL	LA-523-456	U	< 170	ug/kg	1.00	1.7e+02	08/18/06	08/16/06	08/16/06

MDL = Minimum Detection Limit
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B - The analyte < the RDL but > = the IDL/MDL (inorganic)
E - Analyte is an estimate, has potentially larger errors
U - Analyzed for but not detected above limiting criteria.
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9/5/06

WSCF
ANALYTICAL RESULTS REPORT

Attention: D.L KLAGES H8-40 **Group #:** 20060934

Sample #	Client ID		CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W060002494	B1KB50	KLAGES	95-50-1	1,2-Dichlorobenzene	SOIL	LA 523-456	U	< 290	ug/kg	1.00	2.9e+02	08/18/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	95-95-4	2,4,5-Trichlorophenol	SOIL	LA-523-456	U	< 170	ug/kg	1.00	1.7e+02	08/18/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	98-95-3	Nitrobenzene	SOIL	LA-523-456	U	< 170	ug/kg	1.00	1.7e+02	08/18/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	99-09-2	3-Nitroaniline	SOIL	LA 523-456	U	< 170	ug/kg	1.00	1.7e+02	08/18/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	65794-96-9	3 & 4 Methylphenol Total	SOIL	LA-523 456	U	< 170	ug/kg	1.00	1.7e+02	08/18/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	67-72-1	Hexachloroethane	SOIL	LA-523-456	U	< 270	ug/kg	1.00	2.7e+02	08/18/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	88-06-2	2,4,6-Trichlorophenol	SOIL	LA 523 456	U	< 170	ug/kg	1.00	1.7e+02	08/18/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	124-18-5	Decane	SOIL	LA 523 456	U	< 240	ug/kg	1.00	2.4e+02	08/18/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	112-40-3	Dodecane	SOIL	LA 523-456	U	< 170	ug/kg	1.00	1.7e+02	08/18/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	100-51-6	Benzyl alcohol	SOIL	LA 523-456	U	< 170	ug/kg	1.00	1.7e+02	08/18/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	111-76-2	2-Butoxyethanol	SOIL	LA-523-456	U	< 240	ug/kg	1.00	2.4e+02	08/18/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	126-73-8	Tributyl phosphate	SOIL	LA-523-456	U	< 170	ug/kg	1.00	1.7e+02	08/18/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	91-59-8	2 Naphthylamine	SOIL	LA 523-456	U	< 460	ug/kg	1.00	4.6e+02	08/18/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	108-94-1	Cyclohexanone	SOIL	LA-523-456	U	< 170	ug/kg	1.00	1.7e+02	08/18/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	110-86-1	Pyridine	SOIL	LA-523-456	U	< 170	ug/kg	1.00	1.7e+02	08/18/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	95-63-6	1,2,4-Trimethylbenzene	SOIL	LA-523-456	U	< 220	ug/kg	1.00	2.2e+02	08/18/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	65-85-0	Benzoic acid	SOIL	LA-523-456	U	< 480	ug/kg	1.00	480	08/18/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	78-46-6	Dibutyl butylphosphonate	SOIL	LA-523-456	U	< 1.7e+02	ug/kg	1.00	1.7e+02	08/18/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	TPHDIESEL	Total Pet. Hydrocarbons Diesel	SOIL	NWTPH	U	< 3.40e+03	ug/kg	1.00	3.4e+03	08/21/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	TPHKEROSENE	Kerosene	SOIL	NWTPH	U	< 3.40e+03	ug/kg	1.00	3.4e+03	08/21/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	100-02-7	4-Nitrophenol	SOIL	LA-523 456	U	< 230	ug/kg	1.00	2.3e+02	08/18/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	106-46-7	1,4-Dichlorobenzene	SOIL	LA-523 456	U	< 280	ug/kg	1.00	2.8e+02	08/18/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	108-95-2	Phenol	SOIL	LA-523 456	U	< 160	ug/kg	1.00	1.6e+02	08/18/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	120-82-1	1,2,4-Trichlorobenzene	SOIL	LA-523 456	U	< 160	ug/kg	1.00	1.6e+02	08/18/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	121-14-2	2,4-Dinitrotoluene	SOIL	LA-523-456	U	< 160	ug/kg	1.00	1.6e+02	08/18/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	129-00-0	Pyrene	SOIL	LA-523-456	U	< 160	ug/kg	1.00	1.6e+02	08/18/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	59-50-7	4-Chloro-3-methylphenol	SOIL	LA-523-456	U	< 160	ug/kg	1.00	1.6e+02	08/18/06	08/16/06	08/16/06

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9/5/06

WSCF
ANALYTICAL RESULTS REPORT

Attention: D.L KLAGES H8-40 **Group #:** 20060934

Sample #	Client ID		CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W060002495	B1KB51	KLAGES	621-64-7	N-Nitrosodi-n-dipropylamine	SOIL	LA-523-456	U	< 160	ug/kg	1.00	1.6e+02	08/18/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	83-32-9	Acenaphthene	SOIL	LA-523-456	U	< 160	ug/kg	1.00	1.6e+02	08/18/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	87-86-5	Pentachlorophenol	SOIL	LA-523-456	U	< 230	ug/kg	1.00	2.3e+02	08/18/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	95-57-8	2-Chlorophenol	SOIL	LA-523-456	U	< 160	ug/kg	1.00	1.6e+02	08/18/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	100-01-6	4-Nitroaniline	SOIL	LA-523-456	U	< 230	ug/kg	1.00	2.3e+02	08/18/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	101-55-3	4-Bromophenylphenyl ether	SOIL	LA-523-456	U	< 160	ug/kg	1.00	1.6e+02	08/18/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	105-67-9	2,4-Dimethylphenol	SOIL	LA-523-456	U	< 250	ug/kg	1.00	2.5e+02	08/18/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	106-47-8	4-Chloroaniline	SOIL	LA-523-456	U	< 350	ug/kg	1.00	3.5e+02	08/18/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	108-60-1	Bis(2-chloro-1-methylethyl)eth	SOIL	LA-523-456	U	< 160	ug/kg	1.00	1.6e+02	08/18/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	111-44-4	Bis(2-chloroethyl) ether	SOIL	LA-523-456	U	< 160	ug/kg	1.00	1.6e+02	08/18/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	111-91-1	Bis(2-Chloroethoxy)methane	SOIL	LA-523-456	U	< 160	ug/kg	1.00	1.6e+02	08/18/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	117-81-7	Bis(2-ethylhexyl) phthalate	SOIL	LA-523-456	U	< 160	ug/kg	1.00	1.6e+02	08/18/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	117-84-0	Di-n-octylphthalate	SOIL	LA-523-456	U	< 230	ug/kg	1.00	2.3e+02	08/18/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	118-74-1	Hexachlorobenzene	SOIL	LA-523-456	U	< 160	ug/kg	1.00	1.6e+02	08/18/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	120-12-7	Anthracene	SOIL	LA-523-456	U	< 160	ug/kg	1.00	1.6e+02	08/18/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	120-83-2	2,4-Dichlorophenol	SOIL	LA-523-456	U	< 160	ug/kg	1.00	1.6e+02	08/18/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	131-11-3	Dimethyl phthalate	SOIL	LA-523-456	U	< 160	ug/kg	1.00	1.6e+02	08/18/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	132-64-9	Dibenzofuran	SOIL	LA-523-456	U	< 160	ug/kg	1.00	1.6e+02	08/18/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	191-24-2	Benzo(ghi)perylene	SOIL	LA-523-456	U	< 250	ug/kg	1.00	2.5e+02	08/18/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	193-39-5	Indeno(1,2,3-cd)pyrene	SOIL	LA-523-456	U	< 280	ug/kg	1.00	2.8e+02	08/18/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	205-99-2	Benzo(b)fluoranthene	SOIL	LA-523-456	U	< 200	ug/kg	1.00	2.0e+02	08/18/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	206-44-0	Fluoranthene	SOIL	LA-523-456	U	< 160	ug/kg	1.00	1.6e+02	08/18/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	207-08-9	Benzo(k)fluoranthene	SOIL	LA-523-456	U	< 200	ug/kg	1.00	2.0e+02	08/18/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	208-96-8	Acenaphthylene	SOIL	LA-523-456	U	< 160	ug/kg	1.00	1.6e+02	08/18/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	218-01-9	Chrysene	SOIL	LA-523-456	U	< 160	ug/kg	1.00	1.6e+02	08/18/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	50-32-8	Benzo(a)pyrene	SOIL	LA-523-456	U	< 230	ug/kg	1.00	2.3e+02	08/18/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	51-28-5	2,4-Dinitrophenol	SOIL	LA-523-456	U	< 690	ug/kg	1.00	6.9e+02	08/18/06	08/16/06	08/16/06

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7/5/06

WSCF
ANALYTICAL RESULTS REPORT

Attention: D.L KLAGES H8-40 **Group #:** 20060934

Sample #	Client ID		CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W060002495	B1KB51	KLAGES	53-70-3	Dibenz[a,h]anthracene	SOIL	LA-523-456	U	< 300	ug/kg	1.00	3.0e+02	08/18/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	534 52-1	4,6-Dinitro-2-methylphenol	SOIL	LA-523-456	U	< 250	ug/kg	1.00	2.5e+02	08/18/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	541 73-1	1,3-Dichlorobenzene	SOIL	LA-523-456	U	< 300	ug/kg	1.00	3.0e+02	08/18/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	56-55-3	Benzo(a)anthracene	SOIL	LA-523-456	U	< 160	ug/kg	1.00	1.6e+02	08/18/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	606-20-2	2,6-Dinitrotoluene	SOIL	LA-523-456	U	< 160	ug/kg	1.00	1.6e+02	08/18/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	7005 72-3	4-Chlorophenylphenyl ether	SOIL	LA-523-456	U	< 160	ug/kg	1.00	1.6e+02	08/18/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	77-47-4	Hexachlorocyclopentadiene	SOIL	LA-523-456	U	< 190	ug/kg	1.00	1.9e+02	08/18/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	78 59 1	Isophorone	SOIL	LA-523-456	U	< 160	ug/kg	1.00	1.6e+02	08/18/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	84-66-2	Diethylphthalate	SOIL	LA-523-456	J	320	ug/kg	1.00	2.4e+02	08/18/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	84-74-2	Di-n-butylphthalate	SOIL	LA-523-456	U	< 160	ug/kg	1.00	1.6e+02	08/18/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	85 01-8	Phenanthrene	SOIL	LA-523-456	U	< 160	ug/kg	1.00	1.6e+02	08/18/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	85-68-7	Butylbenzylphthalate	SOIL	LA-523-456	U	< 160	ug/kg	1.00	1.6e+02	08/18/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	86-30 6	N-Nitrosodiphenylamine	SOIL	LA-523-456	U	< 190	ug/kg	1.00	1.9e+02	08/18/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	86-73 7	Fluorene	SOIL	LA-523-456	U	< 160	ug/kg	1.00	1.6e+02	08/18/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	86-74-8	Carbazole	SOIL	LA-523-456	U	< 160	ug/kg	1.00	1.6e+02	08/18/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	87 68-3	Hexachlorobutadiene	SOIL	LA-523-456	U	< 160	ug/kg	1.00	1.6e+02	08/18/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	88-74 4	2-Nitroaniline	SOIL	LA-523-456	U	< 160	ug/kg	1.00	1.6e+02	08/18/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	88-75-5	2-Nitrophenol	SOIL	LA 523-456	U	< 160	ug/kg	1.00	1.6e+02	08/18/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	91 20-3	Naphthalene	SOIL	LA-523 456	U	< 160	ug/kg	1.00	1.6e+02	08/18/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	91 57-6	2-Methylnaphthalene	SOIL	LA-523-456	U	< 160	ug/kg	1.00	1.6e+02	08/18/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	91 58 7	2-Chloronaphthalene	SOIL	LA-523-456	U	< 160	ug/kg	1.00	1.6e+02	08/18/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	91-94 1	3,3'-Dichlorobenzidine	SOIL	LA-523-456	U	< 300	ug/kg	1.00	3.0e+02	08/18/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	95-48-7	2-Methylphenol (cresol, o-)	SOIL	LA-523-456	U	< 160	ug/kg	1.00	1.6e+02	08/18/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	95-50-1	1,2-Dichlorobenzene	SOIL	LA-523-456	U	< 280	ug/kg	1.00	2.8e+02	08/18/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	95-95-4	2,4,5-Trichlorophenol	SOIL	LA-523-456	U	< 160	ug/kg	1.00	1.6e+02	08/18/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	98-95-3	Nitrobenzene	SOIL	LA-523-456	U	< 160	ug/kg	1.00	1.6e+02	08/18/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	99 09-2	3-Nitroaniline	SOIL	LA 523-456	U	< 160	ug/kg	1.00	1.6e+02	08/18/06	08/16/06	08/16/06

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9/5/06

WSCF
ANALYTICAL RESULTS REPORT

Attention: D.L KLAGES H8-40 **Group #:** 20060934

Sample #	Client ID		CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W060002495	B1KB51	KLAGES	65794-96-9	3 & 4 Methylphenol Total	SOIL	LA-523-456	U	< 160	ug/kg	1.00	1.6e+02	08/18/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	67-72-1	Hexachloroethane	SOIL	LA-523-456	U	< 260	ug/kg	1.00	2.6e+02	08/18/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	88-06-2	2,4,6-Trichlorophenol	SOIL	LA-523-456	U	< 160	ug/kg	1.00	1.6e+02	08/18/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	124-18-5	Decane	SOIL	LA-523-456	U	< 230	ug/kg	1.00	2.3e+02	08/18/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	112-40-3	Dodecane	SOIL	LA-523-456	U	< 160	ug/kg	1.00	1.6e+02	08/18/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	100-51-6	Benzyl alcohol	SOIL	LA-523-456	U	< 160	ug/kg	1.00	1.6e+02	08/18/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	111-76-2	2-Butoxyethanol	SOIL	LA-523-456	U	< 230	ug/kg	1.00	2.3e+02	08/18/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	126-73-8	Tributyl phosphate	SOIL	LA-523-456	U	< 160	ug/kg	1.00	1.6e+02	08/18/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	91-59-8	2-Naphthylamine	SOIL	LA-523-456	U	< 440	ug/kg	1.00	4.4e+02	08/18/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	108-94-1	Cyclohexanone	SOIL	LA-523-456	U	< 160	ug/kg	1.00	1.6e+02	08/18/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	110-86-1	Pyridine	SOIL	LA-523-456	U	< 160	ug/kg	1.00	1.6e+02	08/18/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	95-63-6	1,2,4-Trimethylbenzene	SOIL	LA-523-456	U	< 210	ug/kg	1.00	2.1e+02	08/18/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	65-85-0	Benzoic acid	SOIL	LA-523-456	U	< 460	ug/kg	1.00	460	08/18/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	78-46-6	Dibutyl butylphosphonate	SOIL	LA-523-456	U	< 1.6e+02	ug/kg	1.00	1.6e+02	08/18/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	TPHDIESEL	Total Pet. Hydrocarbons Diesel	SOIL	NWTPH	U	< 3.40e+03	ug/kg	1.00	3.4e+03	08/21/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	TPHKEROSENE	Kerosene	SOIL	NWTPH	U	< 3.40e+03	ug/kg	1.00	3.4e+03	08/21/06	08/16/06	08/16/06
W060002496	B1KB75	KLAGES	75-35-4	1,1-Dichloroethene	SOIL	LA-523-455	U	< 1.10	ug/kg	1.00	1.1	08/21/06	08/16/06	08/16/06
W060002496	B1KB75	KLAGES	79-01-6	Trichloroethene	SOIL	LA-523-455	U	< 1.10	ug/kg	1.00	1.1	08/21/06	08/16/06	08/16/06
W060002496	B1KB75	KLAGES	71-43-2	Benzene	SOIL	LA-523-455	U	< 1.10	ug/kg	1.00	1.1	08/21/06	08/16/06	08/16/06
W060002496	B1KB75	KLAGES	108-88-3	Toluene	SOIL	LA-523-455	U	< 1.10	ug/kg	1.00	1.1	08/21/06	08/16/06	08/16/06
W060002496	B1KB75	KLAGES	108-90-7	Chlorobenzene	SOIL	LA-523-455	U	< 1.10	ug/kg	1.00	1.1	08/21/06	08/16/06	08/16/06
W060002496	B1KB75	KLAGES	75-34-3	1,1-Dichloroethane	SOIL	LA-523-455	U	< 1.10	ug/kg	1.00	1.1	08/21/06	08/16/06	08/16/06
W060002496	B1KB75	KLAGES	100-41-4	Ethylbenzene	SOIL	LA-523-455	U	< 1.10	ug/kg	1.00	1.1	08/21/06	08/16/06	08/16/06
W060002496	B1KB75	KLAGES	100-42-5	Styrene	SOIL	LA-523-455	U	< 1.10	ug/kg	1.00	1.1	08/21/06	08/16/06	08/16/06
W060002496	B1KB75	KLAGES	10061-01-5	cis-1,3-Dichloropropene	SOIL	LA-523-455	U	< 1.10	ug/kg	1.00	1.1	08/21/06	08/16/06	08/16/06
W060002496	B1KB75	KLAGES	10061-02-6	trans-1,3-Dichloropropene	SOIL	LA-523-455	U	< 1.10	ug/kg	1.00	1.1	08/21/06	08/16/06	08/16/06
W060002496	B1KB75	KLAGES	107-06-2	1,2-Dichloroethane	SOIL	LA-523-455	U	< 1.10	ug/kg	1.00	1.1	08/21/06	08/16/06	08/16/06

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9/5/06

WSCF
ANALYTICAL RESULTS REPORT

Attention: D.L KLAGES H8-40 **Group #:** 20060934

Sample #	Client ID		CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W060002496	B1KB75	KLAGES	108 10-1	4-Methyl-2-Pentanone	SOIL	LA-523-455	U	< 1.10	ug/kg	1.00	1.1	08/21/06	08/16/06	08/16/06
W060002496	B1KB75	KLAGES	124-48-1	Dibromochloromethane	SOIL	LA-523 455	U	< 1.10	ug/kg	1.00	1.1	08/21/06	08/16/06	08/16/06
W060002496	B1KB75	KLAGES	127-18-4	Tetrachloroethene	SOIL	LA-523 455	U	< 1.10	ug/kg	1.00	1.1	08/21/06	08/16/06	08/16/06
W060002496	B1KB75	KLAGES	1330-20-7	Xylenes (total)	SOIL	LA-523-455	U	< 1.10	ug/kg	1.00	1.1	08/21/06	08/16/06	08/16/06
W060002496	B1KB75	KLAGES	540-59-0	1,2-Dichloroethene(Total)	SOIL	LA-523-455	U	< 1.10	ug/kg	1.00	1.1	08/21/06	08/16/06	08/16/06
W060002496	B1KB75	KLAGES	56 23-5	Carbon tetrachloride	SOIL	LA-523-455	U	< 1 10	ug/kg	1.00	1 1	08/21/06	08/16/06	08/16/06
W060002496	B1KB75	KLAGES	591-78-6	2-Hexanone	SOIL	LA-523-455	U	< 1 10	ug/kg	1.00	1.1	08/21/06	08/16/06	08/16/06
W060002496	B1KB75	KLAGES	67 64-1	Acetone	SOIL	LA-523-455	U	< 1 10	ug/kg	1 00	1.1	08/21/06	08/16/06	08/16/06
W060002496	B1KB75	KLAGES	67-66-3	Chloroform	SOIL	LA-523-455	U	< 1.10	ug/kg	1.00	1.1	08/21/06	08/16/06	08/16/06
W060002496	B1KB75	KLAGES	71-55-6	1,1,1-Trichloroethane	SOIL	LA-523-455	U	< 1.10	ug/kg	1.00	1.1	08/21/06	08/16/06	08/16/06
W060002496	B1KB75	KLAGES	74-83 9	Bromomethane	SOIL	LA-523-455	U	< 1.10	ug/kg	1.00	1.1	08/21/06	08/16/06	08/16/06
W060002496	B1KB75	KLAGES	74-87-3	Chloromethane	SOIL	LA-523-455	U	< 1 10	ug/kg	1.00	1 1	08/21/06	08/16/06	08/16/06
W060002496	B1KB75	KLAGES	75-00-3	Chloroethane	SOIL	LA-523-455	U	< 1 10	ug/kg	1 00	1.1	08/21/06	08/16 06	08/16 06
W060002496	B1KB75	KLAGES	75-01-4	Vinyl chloride	SOIL	LA-523-455	U	< 1.10	ug/kg	1.00	1.1	08/21/06	08/16/06	08/16/06
W060002496	B1KB75	KLAGES	75-09-2	Methylenechloride	SOIL	LA-523-455	U	< 1.10	ug/kg	1.00	1.1	08/21/06	08/16/06	08/16/06
W060002496	B1KB75	KLAGES	75-15 0	Carbon disulfide	SOIL	LA 523 455	U	< 1.10	ug/kg	1.00	1.1	08/21/06	08/16/06	08/16/06
W060002496	B1KB75	KLAGES	75-25-2	Bromoform	SOIL	LA-523-455	U	< 1.10	ug/kg	1.00	1.1	08/21/06	08/16/06	08/16/06
W060002496	B1KB75	KLAGES	75 27-4	Bromodichloromethane	SOIL	LA-523-455	U	< 1 10	ug/kg	1.00	1.1	08/21/06	08/16/06	08/16/06
W060002496	B1KB75	KLAGES	78-87-5	1,2-Dichloropropane	SOIL	LA-523-455	U	< 1 10	ug/kg	1.00	1.1	08/21/06	08/16/06	08/16/06
W060002496	B1KB75	KLAGES	78-93-3	2-Butanone	SOIL	LA-523-455	U	< 1.10	ug/kg	1.00	1.1	08/21/06	08/16/06	08/16/06
W060002496	B1KB75	KLAGES	79-00 5	1,1,2 Trichloroethane	SOIL	LA-523 455	U	< 1.10	ug/kg	1.00	1.1	08/21/06	08/16/06	08/16/06
W060002496	B1KB75	KLAGES	79-34-5	1,1,2,2-Tetrachloroethane	SOIL	LA-523-455	U	< 1.10	ug/kg	1.00	1.1	08/21/06	08/16/06	08/16/06
W060002496	B1KB75	KLAGES	71-36-3	1-Butanol	SOIL	LA-523-455	U	< 23.0	ug/kg	1.00	23	08/21/06	08/16/06	08/16/06
W060002496	B1KB75	KLAGES	107-87-9	2-Pentanone	SOIL	LA-523-455	U	< 1.10	ug/kg	1.00	1.1	08/21/06	08/16/06	08/16/06
W060002496	B1KB75	KLAGES	110-82-7	Cyclohexane	SOIL	LA-523-455	U	< 1.10	ug/kg	1.00	1.1	08/21/06	08/16/06	08/16/06
W060002496	B1KB75	KLAGES	110-54-3	Hexane	SOIL	LA-523-455	U	< 1.10	ug/kg	1.00	1.1	08/21/06	08/16/06	08/16/06
W060002496	B1KB75	KLAGES	109-99-9	Tetrahydrofuran	SOIL	LA-523-455	U	< 2 30	ug/kg	1.00	2.3	08/21/06	08/16/06	08/16/06

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9/5/06

WSCF
ANALYTICAL RESULTS REPORT

Attention: D.L KLAGES H8-40 **Group #:** 20060934

Sample #	Client ID		CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W060002496	B1KB75	KLAGES	75-69-4	Trichloromonofluoromethane	SOIL	LA-523-455	U	< 1.10	ug/kg	1.00	1.1	08/21/06	08/16/06	08/16/06
W060002496	B1KB75	KLAGES	104-51-8	n-Butylbenzene	SOIL	LA-523-455	U	< 1.10	ug/kg	1.00	1.1	08/21/06	08/16/06	08/16/06
W060002496	B1KB75	KLAGES	156-60-5	trans-1,2-Dichloroethylene	SOIL	LA-523-455	U	< 1.10	ug/kg	1.00	1.1	08/21/06	08/16/06	08/16/06
W060002496	B1KB75	KLAGES	75-05-8	Acetonitrile	SOIL	LA-523-455	U	< 2.30	ug/kg	1.00	2.3	08/21/06	08/16/06	08/16/06
W060002496	B1KB75	KLAGES	156-59-2	cis-1,2-Dichloroethylene	SOIL	LA-523-455	U	< 1.10	ug/kg	1.00	1.1	08/21/06	08/16/06	08/16/06
W060002497	B1KB76	KLAGES	75-35-4	1,1-Dichloroethene	SOIL	LA-523-455	U	< 1.10	ug/kg	1.00	1.1	08/21/06	08/16/06	08/16/06
W060002497	B1KB76	KLAGES	79-01-6	Trichloroethene	SOIL	LA-523-455	U	< 1.10	ug/kg	1.00	1.1	08/21/06	08/16/06	08/16/06
W060002497	B1KB76	KLAGES	71-43-2	Benzene	SOIL	LA-523-455	U	< 1.10	ug/kg	1.00	1.1	08/21/06	08/16/06	08/16/06
W060002497	B1KB76	KLAGES	108-88-3	Toluene	SOIL	LA-523-455	U	< 1.10	ug/kg	1.00	1.1	08/21/06	08/16/06	08/16/06
W060002497	B1KB76	KLAGES	108-90-7	Chlorobenzene	SOIL	LA-523-455	U	< 1.10	ug/kg	1.00	1.1	08/21/06	08/16/06	08/16/06
W060002497	B1KB76	KLAGES	75-34-3	1,1-Dichloroethane	SOIL	LA-523-455	U	< 1.10	ug/kg	1.00	1.1	08/21/06	08/16/06	08/16/06
W060002497	B1KB76	KLAGES	100-41-4	Ethylbenzene	SOIL	LA-523-455	U	< 1.10	ug/kg	1.00	1.1	08/21/06	08/16/06	08/16/06
W060002497	B1KB76	KLAGES	100-42-5	Styrene	SOIL	LA-523-455	U	< 1.10	ug/kg	1.00	1.1	08/21/06	08/16/06	08/16/06
W060002497	B1KB76	KLAGES	10061-01-5	cis-1,3-Dichloropropene	SOIL	LA-523-455	U	< 1.10	ug/kg	1.00	1.1	08/21/06	08/16/06	08/16/06
W060002497	B1KB76	KLAGES	10061-02-6	trans-1,3-Dichloropropene	SOIL	LA-523-455	U	< 1.10	ug/kg	1.00	1.1	08/21/06	08/16/06	08/16/06
W060002497	B1KB76	KLAGES	107-06-2	1,2-Dichloroethane	SOIL	LA-523-455	U	< 1.10	ug/kg	1.00	1.1	08/21/06	08/16/06	08/16/06
W060002497	B1KB76	KLAGES	108-10-1	4-Methyl-2-Pentanone	SOIL	LA-523-455	U	< 1.10	ug/kg	1.00	1.1	08/21/06	08/16/06	08/16/06
W060002497	B1KB76	KLAGES	124-48-1	Dibromochloromethane	SOIL	LA-523-455	U	< 1.10	ug/kg	1.00	1.1	08/21/06	08/16/06	08/16/06
W060002497	B1KB76	KLAGES	127-18-4	Tetrachloroethene	SOIL	LA-523-455	U	< 1.10	ug/kg	1.00	1.1	08/21/06	08/16/06	08/16/06
W060002497	B1KB76	KLAGES	1330-20-7	Xylenes (total)	SOIL	LA-523-455	U	< 1.10	ug/kg	1.00	1.1	08/21/06	08/16/06	08/16/06
W060002497	B1KB76	KLAGES	540-59-0	1,2-Dichloroethene(Total)	SOIL	LA-523-455	U	< 1.10	ug/kg	1.00	1.1	08/21/06	08/16/06	08/16/06
W060002497	B1KB76	KLAGES	56-23-5	Carbon tetrachloride	SOIL	LA-523-455	U	< 1.10	ug/kg	1.00	1.1	08/21/06	08/16/06	08/16/06
W060002497	B1KB76	KLAGES	591-78-6	2-Hexanone	SOIL	LA-523-455	U	< 1.10	ug/kg	1.00	1.1	08/21/06	08/16/06	08/16/06
W060002497	B1KB76	KLAGES	67-64-1	Acetone	SOIL	LA-523-455	U	< 1.10	ug/kg	1.00	1.1	08/21/06	08/16/06	08/16/06
W060002497	B1KB76	KLAGES	67-66-3	Chloroform	SOIL	LA-523-455	U	< 1.10	ug/kg	1.00	1.1	08/21/06	08/16/06	08/16/06
W060002497	B1KB76	KLAGES	71-55-6	1,1,1-Trichloroethane	SOIL	LA-523-455	U	< 1.10	ug/kg	1.00	1.1	08/21/06	08/16/06	08/16/06
W060002497	B1KB76	KLAGES	74-83-9	Bromomethane	SOIL	LA-523-455	U	< 1.10	ug/kg	1.00	1.1	08/21/06	08/16/06	08/16/06

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9/5/06

WSCF
ANALYTICAL RESULTS REPORT

Attention: D.L KLAGES H8-40 **Group #:** 20060934

Sample #	Client ID		CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W060002497	B1KB76	KLAGES	74-87-3	Chloromethane	SOIL	LA 523-455	U	< 1.10	ug/kg	1.00	1.1	08/21/06	08/16/06	08/16/06
W060002497	B1KB76	KLAGES	75-00-3	Chloroethane	SOIL	LA-523 455	U	< 1.10	ug/kg	1 00	1.1	08/21/06	08/16/06	08/16/06
W060002497	B1KB76	KLAGES	75-01 4	Vinyl chloride	SOIL	LA-523-455	U	< 1.10	ug/kg	1.00	1.1	08/21/06	08/16/06	08/16/06
W060002497	B1KB76	KLAGES	75-09-2	Methylenechloride	SOIL	LA-523-455	U	< 1 10	ug/kg	1.00	1.1	08/21/06	08/16/06	08/16/06
W060002497	B1KB76	KLAGES	75-15-0	Carbon disulfide	SOIL	LA-523-455	U	< 1.10	ug/kg	1.00	1.1	08/21/06	08/16/06	08/16/06
W060002497	B1KB76	KLAGES	75 25-2	Bromoform	SOIL	LA-523-455	U	< 1.10	ug/kg	1.00	1 1	08/21/06	08/16/06	08/16/06
W060002497	B1KB76	KLAGES	75-27-4	Bromodichloromethane	SOIL	LA-523-455	U	< 1.10	ug/kg	1.00	1 1	08/21/06	08/16/06	08/16/06
W060002497	B1KB76	KLAGES	78-87-5	1,2-Dichloropropane	SOIL	LA-523-455	U	< 1 10	ug/kg	1.00	1.1	08/21/06	08/16/06	08/16/06
W060002497	B1KB76	KLAGES	78 93-3	2-Butanone	SOIL	LA-523-455	U	< 1.10	ug/kg	1.00	1.1	08/21/06	08/16/06	08/16/06
W060002497	B1KB76	KLAGES	79-00-5	1,1,2-Trichloroethane	SOIL	LA-523-455	U	< 1 10	ug/kg	1 00	1 1	08/21/06	08/16/06	08/16/06
W060002497	B1KB76	KLAGES	79-34-5	1,1,2,2-Tetrachloroethane	SOIL	LA-523-455	U	< 1.10	ug/kg	1.00	1.1	08/21/06	08/16/06	08/16/06
W060002497	B1KB76	KLAGES	71-36-3	1-Butanol	SOIL	LA-523-455	U	< 21.0	ug/kg	1.00	21	08/21/06	08/16/06	08/16/06
W060002497	B1KB76	KLAGES	107-87-9	2-Pentanone	SOIL	LA 523-455	U	< 1.10	ug kg	1 00	1.1	08/21/06	08 16/06	08/16/06
W060002497	B1KB76	KLAGES	110-82-7	Cyclohexane	SOIL	LA-523-455	U	< 1.10	ug/kg	1.00	1 1	08/21/06	08/16/06	08/16/06
W060002497	B1KB76	KLAGES	110-54-3	Hexane	SOIL	LA-523-455	U	< 1.10	ug/kg	1.00	1.1	08/21/06	08/16/06	08/16/06
W060002497	B1KB76	KLAGES	109-99-9	Tetrahydrofuran	SOIL	LA-523-455	U	< 2.10	ug/kg	1.00	2.1	08/21/06	08/16/06	08/16/06
W060002497	B1KB76	KLAGES	75-69-4	Trichloromonofluoromethane	SOIL	LA-523-455	U	< 1.10	ug/kg	1.00	1.1	08/21/06	08/16/06	08/16/06
W060002497	B1KB76	KLAGES	104-51-8	n-Butylbenzene	SOIL	LA-523-455	U	< 1.10	ug/kg	1 00	1.1	08/21/06	08/16/06	08/16/06
W060002497	B1KB76	KLAGES	156-60-5	trans-1,2-Dichloroethylene	SOIL	LA-523 455	U	< 1.10	ug/kg	1.00	1.1	08/21/06	08/16/06	08/16/06
W060002497	B1KB76	KLAGES	75-05-8	Acetonitrile	SOIL	LA 523-455	U	< 2.10	ug/kg	1.00	2.1	08/21/06	08/16/06	08/16/06
W060002497	B1KB76	KLAGES	156-59-2	cis 1,2-Dichloroethylene	SOIL	LA-523-455	U	< 1 10	ug/kg	1.00	1.1	08/21/06	08/16/06	08/16/06
W060002498	B1KB77	KLAGES	75-35-4	1,1-Dichloroethene	SOIL	LA-523-455	U	< 1.00	ug/kg	1.00	1.0	08/21/06	08/16/06	08/16/06
W060002498	B1KB77	KLAGES	79-01-6	Trichloroethene	SOIL	LA 523-455	U	< 1.00	ug/kg	1.00	1.0	08/21/06	08/16/06	08/16/06
W060002498	B1KB77	KLAGES	71-43 2	Benzene	SOIL	LA-523-455	U	< 1 00	ug/kg	1 00	1.0	08/21/06	08/16/06	08/16/06
W060002498	B1KB77	KLAGES	108-88 3	Toluene	SOIL	LA-523-455	U	< 1.00	ug/kg	1.00	1.0	08/21/06	08/16/06	08/16/06
W060002498	B1KB77	KLAGES	108-90-7	Chlorobenzene	SOIL	LA-523-455	U	< 1.00	ug/kg	1.00	1.0	08/21/06	08/16/06	08/16/06
W060002498	B1KB77	KLAGES	75-34-3	1,1-Dichloroethane	SOIL	LA-523-455	U	< 1.00	ug/kg	1 00	1 0	08/21/06	08/16/06	08/16/06

MDL = Minimum Detection Limit
RQ = Result Qualifier

B - The analyte < the RDL but > = the IDL/MDL (inorganic)
E - Analyte is an estimate, has potentially larger errors
U - Analyzed for but not detected above limiting criteria.
C - The Analyte was found in the Associated Blank.
J - Analyte is an estimate, has potentially larger errors
X - Other flags and notes described in the comments/narrative.

DF = Dilution Factor

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

Report WGPP/ver. 1.3
PROJECT HANFORD MANAGEMENT COMPANY

REVISED
DLyes
9/5/06

WSCF
ANALYTICAL RESULTS REPORT

Attention: D.L KLAGES H8-40 **Group #:** 20060934

Sample #	Client ID		CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W060002498	B1KB77	KLAGES	100-41-4	Ethylbenzene	SOIL	LA-523-455	U	< 1.00	ug/kg	1.00	1.0	08/21/06	08/16/06	08/16/06
W060002498	B1KB77	KLAGES	100-42-5	Styrene	SOIL	LA-523-455	U	< 1.00	ug/kg	1.00	1.0	08/21/06	08/16/06	08/16/06
W060002498	B1KB77	KLAGES	10061 01-5	cis-1,3-Dichloropropene	SOIL	LA-523-455	U	< 1.00	ug/kg	1.00	1.0	08/21/06	08/16/06	08/16/06
W060002498	B1KB77	KLAGES	10061-02-6	trans-1,3 Dichloropropene	SOIL	LA-523-455	U	< 1.00	ug/kg	1.00	1.0	08/21/06	08/16/06	08/16/06
W060002498	B1KB77	KLAGES	107-06-2	1,2-Dichloroethane	SOIL	LA-523-455	U	< 1.00	ug/kg	1.00	1.0	08/21/06	08/16/06	08/16/06
W060002498	B1KB77	KLAGES	108-10-1	4-Methyl-2-Pentanone	SOIL	LA-523-455	U	< 1.00	ug/kg	1.00	1.0	08/21/06	08/16/06	08/16/06
W060002498	B1KB77	KLAGES	124-48 1	Dibromochloromethane	SOIL	LA-523-455	U	< 1.00	ug/kg	1.00	1.0	08/21/06	08/16/06	08/16/06
W060002498	B1KB77	KLAGES	127-18-4	Tetrachloroethene	SOIL	LA-523 455	U	< 1.00	ug/kg	1.00	1.0	08/21/06	08/16/06	08/16/06
W060002498	B1KB77	KLAGES	1330-20-7	Xylenes (total)	SOIL	LA-523-455	U	< 1.00	ug/kg	1.00	1.0	08/21/06	08/16/06	08/16/06
W060002498	B1KB77	KLAGES	540-59-0	1,2-Dichloroethene(Total)	SOIL	LA-523-455	U	< 1.00	ug/kg	1.00	1.0	08/21/06	08/16/06	08/16/06
W060002498	B1KB77	KLAGES	56 23 5	Carbon tetrachloride	SOIL	LA-523-455	U	< 1.00	ug/kg	1.00	1.0	08/21/06	08/16/06	08/16/06
W060002498	B1KB77	KLAGES	591-78-6	2-Hexanone	SOIL	LA-523-455	U	< 1.00	ug/kg	1.00	1.0	08/21/06	08/16/06	08/16/06
W060002498	B1KB77	KLAGES	67 64-1	Acetone	SOIL	LA 523-455	U	< 1.00	ug/kg	1.00	1.0	08/21/06	08/16/06	08/16/06
W060002498	B1KB77	KLAGES	67-66-3	Chloroform	SOIL	LA-523-455	U	< 1.00	ug/kg	1.00	1.0	08/21/06	08/16/06	08/16/06
W060002498	B1KB77	KLAGES	71-55-6	1,1,1-Trichloroethane	SOIL	LA-523-455	U	< 1.00	ug/kg	1.00	1.0	08/21/06	08/16/06	08/16/06
W060002498	B1KB77	KLAGES	74-83 9	Bromomethane	SOIL	LA-523 455	U	< 1.00	ug/kg	1.00	1.0	08/21/06	08/16/06	08/16/06
W060002498	B1KB77	KLAGES	74-87 3	Chloromethane	SOIL	LA-523-455	U	< 1.00	ug/kg	1.00	1.0	08/21/06	08/16/06	08/16/06
W060002498	B1KB77	KLAGES	75-00-3	Chloroethane	SOIL	LA-523-455	U	< 1.00	ug/kg	1.00	1.0	08/21/06	08/16/06	08/16/06
W060002498	B1KB77	KLAGES	75-01-4	Vinyl chloride	SOIL	LA-523-455	U	< 1.00	ug/kg	1.00	1.0	08/21/06	08/16/06	08/16/06
W060002498	B1KB77	KLAGES	75 09-2	Methylenechloride	SOIL	LA 523-455	U	< 1.00	ug/kg	1.00	1.0	08/21/06	08/16/06	08/16/06
W060002498	B1KB77	KLAGES	75-15-0	Carbon disulfide	SOIL	LA-523 455	U	< 1.00	ug/kg	1.00	1.0	08/21/06	08/16/06	08/16/06
W060002498	B1KB77	KLAGES	75-25-2	Bromoform	SOIL	LA-523 455	U	< 1.00	ug/kg	1.00	1.0	08/21/06	08/16/06	08/16/06
W060002498	B1KB77	KLAGES	75-27-4	Bromodichloromethane	SOIL	LA-523-455	U	< 1.00	ug/kg	1.00	1.0	08/21/06	08/16/06	08/16/06
W060002498	B1KB77	KLAGES	78-87-5	1,2 Dichloropropane	SOIL	LA-523-455	U	< 1.00	ug/kg	1.00	1.0	08/21/06	08/16/06	08/16/06
W060002498	B1KB77	KLAGES	78 93-3	2-Butanone	SOIL	LA-523-455	U	< 1.00	ug/kg	1.00	1.0	08/21/06	08/16/06	08/16/06
W060002498	B1KB77	KLAGES	79-00-5	1,1,2 Trichloroethane	SOIL	LA-523-455	U	< 1.00	ug/kg	1.00	1.0	08/21/06	08/16/06	08/16/06
W060002498	B1KB77	KLAGES	79-34-5	1,1,2,2-Tetrachloroethane	SOIL	LA-523-455	U	< 1.00	ug/kg	1.00	1.0	08/21/06	08/16/06	08/16/06

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REVISED
Dayes
9/5/06

WSCF
ANALYTICAL RESULTS REPORT

Attention: D.L. KLAGES H8-40 **Group #:** 20060934

Sample #	Client ID		CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W060002498	B1KB77	KLAGES	71-36-3	1-Butanol	SOIL	LA-523 455	U	< 20.0	ug/kg	1.00	20	08/21/06	08/16/06	08/16/06
W060002498	B1KB77	KLAGES	107-87-9	2-Pentanone	SOIL	LA-523-455	U	< 1.00	ug/kg	1.00	1.0	08/21/06	08/16/06	08/16/06
W060002498	B1KB77	KLAGES	110-82-7	Cyclohexane	SOIL	LA-523-455	U	< 1.00	ug/kg	1.00	1.0	08/21/06	08/16/06	08/16/06
W060002498	B1KB77	KLAGES	110-54-3	Hexane	SOIL	LA-523 455	U	< 1.00	ug/kg	1.00	1.0	08/21/06	08/16/06	08/16/06
W060002498	B1KB77	KLAGES	109-99-9	Tetrahydrofuran	SOIL	LA-523-455	U	< 2.00	ug/kg	1.00	2.0	08/21/06	08/16/06	08/16/06
W060002498	B1KB77	KLAGES	75-69-4	Trichloromonofluoromethane	SOIL	LA-523-455	U	< 1.00	ug/kg	1.00	1.0	08/21/06	08/16/06	08/16/06
W060002498	B1KB77	KLAGES	104-51-8	n-Butylbenzene	SOIL	LA-523-455	U	< 1.00	ug/kg	1.00	1.0	08/21/06	08/16/06	08/16/06
W060002498	B1KB77	KLAGES	156-60-5	trans-1,2-Dichloroethylene	SOIL	LA-523-455	U	< 1.00	ug/kg	1.00	1.0	08/21/06	08/16/06	08/16/06
W060002498	B1KB77	KLAGES	75-05-8	Acetonitrile	SOIL	LA-523-455	U	< 2.00	ug/kg	1.00	2.0	08/21/06	08/16/06	08/16/06
W060002498	B1KB77	KLAGES	156-59-2	cis-1,2-Dichloroethylene	SOIL	LA-523-455	U	< 1.00	ug/kg	1.00	1.0	08/21/06	08/16/06	08/16/06

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Dayes

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: 20060934
Matrix: SOLID
Test: SW-846 8270C Semi-Vols

SAF Number: R06-013
Sample Date: 08/16/06
Receive Date:08/16/06

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
Lab ID: W060002493									
BATCH QC ASSOCIATED WITH SAMPLE									
SURR	2-Fluorophenol	367-12-4	4887.6	101.000	% Recov	08/18/06	42.000	105.000	
SURR	2-Fluorobiphenyl	321-60-8	5031.3	104.000	% Recov	08/18/06	56.000	122.000	
SURR	Nitrobenzene-d5	4165-60-0	5184.6	107.279	% Recov	08/18/06	64.000	111.000	
SURR	Phenol-d5	4165-62-2	5122.7	106.000	% Recov	08/18/06	54.000	120.000	
SURR	2,4,6-Tribromophenol	118-79-6	4728.3	97.800	% Recov	08/18/06	24.000	122.000	
SURR	Terphenyl-d14 (7Cl)	98904-43-9	5249.3	109.000	% Recov	08/18/06	35.000	150.000	
Lab ID: W060002494									
BATCH QC ASSOCIATED WITH SAMPLE									
SURR	2-Fluorophenol	367-12-4	5065.2	105.000	% Recov	08/18/06	42.000	105.000	
SURR	2-Fluorobiphenyl	321-60-8	4972.5	104.000	% Recov	08/18/06	56.000	122.000	
SURR	Nitrobenzene-d5	4165-60-0	5036.3	105.000	% Recov	08/18/06	64.000	111.000	
SURR	Phenol-d5	4165-62-2	5061.5	105.000	% Recov	08/18/06	54.000	120.000	
SURR	2,4,6-Tribromophenol	118-79-6	4211.1	87.700	% Recov	08/18/06	24.000	122.000	
SURR	Terphenyl-d14 (7Cl)	98904-43-9	5024.2	105.000	% Recov	08/18/06	35.000	150.000	
Lab ID: W060002495									
BATCH QC ASSOCIATED WITH SAMPLE									
SURR	2-Fluorophenol	367-12-4	4669.4	101.000	% Recov	08/18/06	42.000	105.000	
SURR	2-Fluorobiphenyl	321-60-8	4850.0	105.000	% Recov	08/18/06	56.000	122.000	
SURR	Nitrobenzene-d5	4165-60-0	4991.9	108.000	% Recov	08/18/06	64.000	111.000	
SURR	Phenol-d5	4165-62-2	4819.4	104.000	% Recov	08/18/06	54.000	120.000	
SURR	2,4,6-Tribromophenol	118-79-6	5041.3	109.000	% Recov	08/18/06	24.000	122.000	
SURR	Terphenyl-d14 (7Cl)	98904-43-9	5094.0	110.000	% Recov	08/18/06	35.000	150.000	

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: 20060934
Matrix: SOLID
Test: SW-846 8270C Semi-Vols

SAF Number: R06-013
Sample Date: 08/16/06
Receive Date:08/17/06

Lab ID: W060002500
BATCH QC ASSOCIATED WITH SAMPLE

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
MS	1,2,4-Trichlorobenzene	120-82-1	4404.7	103.000	% Recov	08/21/06	46.000	107.000	
MS	1,4-Dichlorobenzene	106-46-7	4014.8	93.858	% Recov	08/21/06	30.000	96.000	
MS	2,4-Dinitrotoluene	121-14-2	3733.3	87.300	% Recov	08/21/06	59.000	106.000	
MS	2-Fluorophenol	367-12-4	4453.4	104.000	% Recov	08/21/06	42.000	105.000	
MS	Acenaphthene	83-32-9	4359.8	102.000	% Recov	08/21/06	61.000	116.000	
MS	4-Chloro-3-methylphenol	59-50-7	6341.9	98.800	% Recov	08/21/06	61.000	106.000	
MS	2-Chlorophenol	95-57-8	6448.0	100.000	% Recov	08/21/06	66.000	106.000	
MS	N-Nitrosodi-n-dipropylamine	621-64-7	4481.8	105.000	% Recov	08/21/06	71.000	114.000	
MS	2-Fluorobiphenyl	321-60-8	4550.1	106.000	% Recov	08/21/06	56.000	122.000	
MS	Phenol	108-95-2	6463.4	101.000	% Recov	08/21/06	42.000	111.000	
MS	Nitrobenzene-d5	4165-60-0	4364.3	102.000	% Recov	08/21/06	64.000	111.000	
MS	4-Nitrophenol	100-02-7	5579.1	87.000	% Recov	08/21/06	32.000	118.000	
MS	Pentachlorophenol	87-86-5	6387.4	99.500	% Recov	08/21/06	62.000	114.000	
MS	Phenol-d5	4165-62-2	4429.3	104.000	% Recov	08/21/06	54.000	120.000	
MS	Pyrene	129-00-0	4261.2	99.600	% Recov	08/21/06	66.000	118.000	
MS	2,4,6-Tribromophenol	118-79-6	3898.6	91.100	% Recov	08/21/06	24.000	122.000	
MS	Terphenyl-d14 (7Cl)	98904-43-9	4521.8	106.000	% Recov	08/21/06	35.000	150.000	
MSD	1,2,4-Trichlorobenzene	120-82-1	4850.6	105.000	% Recov	08/21/06	46.000	107.000	
MSD	1,4-Dichlorobenzene	106-46-7	4326.5	93.846	% Recov	08/21/06	30.000	96.000	
MSD	2,4-Dinitrotoluene	121-14-2	4605.5	99.900	% Recov	08/21/06	59.000	106.000	
MSD	2-Fluorophenol	367-12-4	4690.8	102.000	% Recov	08/21/06	42.000	105.000	
MSD	Acenaphthene	83-32-9	4697.2	102.000	% Recov	08/21/06	61.000	116.000	
MSD	4-Chloro-3-methylphenol	59-50-7	6635.5	96.000	% Recov	08/21/06	61.000	106.000	
MSD	2-Chlorophenol	95-57-8	6930.1	100.000	% Recov	08/21/06	66.000	106.000	
MSD	N-Nitrosodi-n-dipropylamine	621-64-7	4638.9	101.000	% Recov	08/21/06	71.000	114.000	
MSD	2-Fluorobiphenyl	321-60-8	5014.2	109.000	% Recov	08/21/06	56.000	122.000	
MSD	Phenol	108-95-2	7065.7	102.000	% Recov	08/21/06	42.000	111.000	

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: 20060934
Matrix: SOLID
Test: SW-846 8270C Semi-Vols

SAF Number: R06-013
Sample Date: 08/16/06
Receive Date:08/17/06

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
MSD	Nitrobenzene-d5	4165-60-0	4825.2	105.000	% Recov	08/21/06	64.000	111.000	
MSD	4-Nitrophenol	100-02-7	6511.2	94.200	% Recov	08/21/06	32.000	118.000	
MSD	Pentachlorophenol	87-86-5	6792.8	98.200	% Recov	08/21/06	62.000	114.000	
MSD	Phenol-d5	4165-62-2	5000.9	108.000	% Recov	08/21/06	54.000	120.000	
MSD	Pyrene	129-00-0	4771.2	103.000	% Recov	08/21/06	66.000	118.000	
MSD	2,4,6-Tribromophenol	118-79-6	4447.6	96.500	% Recov	08/21/06	24.000	122.000	
MSD	Terphenyl-d14 (7Cl)	98904-43-9	4998.6	108.000	% Recov	08/21/06	35.000	150.000	
SPK-RPD	1,2,4-Trichlorobenzene	120-82-1	105.000	1.923	RPD	08/18/06	0.000	20.000	
SPK-RPD	1,4-Dichlorobenzene	106-46-7	93.846	0.013	RPD	08/21/06	0.000	20.000	
SPK-RPD	2,4-Dinitrotoluene	121-14-2	99.900	13.462	RPD	08/18/06	0.000	20.000	
SPK-RPD	2-Fluorophenol	367-12-4	102.000	1.942	RPD	08/18/06	0.000	20.000	
SPK-RPD	Acenaphthene	83-32-9	102.000	0.000	RPD	08/18/06	0.000	20.000	
SPK-RPD	4-Chloro-3-methylphenol	59-50-7	96.000	2.875	RPD	08/18/06	0.000	20.000	
SPK-RPD	2-Chlorophenol	95-57-8	100.000	0.000	RPD	08/18/06	0.000	20.000	
SPK-RPD	N-Nitrosodi-n-dipropylamine	621-64-7	101.000	3.883	RPD	08/18/06	0.000	20.000	
SPK-RPD	2-Fluorobiphenyl	321-60-8	109.000	2.791	RPD	08/18/06	0.000	20.000	
SPK-RPD	Phenol	108-95-2	102.000	0.985	RPD	08/18/06	0.000	20.000	
SPK-RPD	Nitrobenzene-d5	4165-60-0	105.000	2.899	RPD	08/18/06	0.000	20.000	
SPK-RPD	4-Nitrophenol	100-02-7	94.200	7.947	RPD	08/18/06	0.000	20.000	
SPK-RPD	Pentachlorophenol	87-86-5	98.200	1.315	RPD	08/18/06	0.000	20.000	
SPK-RPD	Phenol-d5	4165-62-2	108.000	3.774	RPD	08/18/06	0.000	20.000	
SPK-RPD	Pyrene	129-00-0	103.000	3.356	RPD	08/18/06	0.000	20.000	
SPK-RPD	2,4,6-Tribromophenol	118-79-6	96.500	5.757	RPD	08/18/06	0.000	20.000	
SPK-RPD	Terphenyl-d14 (7Cl)	98904-43-9	108.000	1.869	RPD	08/18/06	0.000	20.000	

BATCH QC

BLANK	1,2-Dichlorobenzene	95-50-1	< 240	n/a	ug/Kg	08/18/06			U
BLANK	1,2,4-Trimethylbenzene	95-63-6	< 180	n/a	ug/Kg	08/18/06			U
BLANK	1,2,4-Trichlorobenzene	120-82-1	< 140	n/a	ug/Kg	08/18/06			U
BLANK	1,3-Dichlorobenzene	541-73-1	< 260	n/a	ug/Kg	08/18/06			U

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: 20060934
Matrix: SOLID
Test: SW-846 8270C Semi-Vols

SAF Number: R06-013
Sample Date:
Receive Date:

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
BLANK	1,4-Dichlorobenzene	106-46-7	< 240	n/a	ug/Kg	08/18/06			U
BLANK	2-Naphthylamine	91-59-8	< 380	n/a	ug/Kg	08/18/06			U
BLANK	2,4-Dichlorophenol	120-83-2	< 140	n/a	ug/Kg	08/18/06			U
BLANK	2,4-Dinitrotoluene	121-14-2	< 140	n/a	ug/Kg	08/18/06			U
BLANK	2,4,5-Trichlorophenol	95-95-4	< 140	n/a	ug/Kg	08/18/06			U
BLANK	2,4,6-Trichlorophenol	88-06-2	< 140	n/a	ug/Kg	08/18/06			U
BLANK	2,4-Dimethylphenol	105-67-9	< 220	n/a	ug/Kg	08/18/06			U
BLANK	2,6-Dinitrotoluene	606-20-2	< 140	n/a	ug/Kg	08/18/06			U
BLANK	2-Butoxyethanol	111-76-2	< 200	n/a	ug/Kg	08/18/06			U
BLANK	2-Chloronaphthalene	91-58-7	< 140	n/a	ug/Kg	08/18/06			U
BLANK	2-Fluorophenol	367-12-4	4129.6	103.240	% Recov	08/18/06	42.000	105.000	
BLANK	2-Methylnaphthalene	91-57-6	< 140	n/a	ug/Kg	08/18/06			U
BLANK	2-Methylphenol (cresol, o-)	95-48-7	< 140	n/a	ug/Kg	08/18/06			U
BLANK	2-Nitroaniline	88-74-4	< 140	n/a	ug/Kg	08/18/06			U
BLANK	2-Nitrophenol	88-75-5	< 140	n/a	ug/Kg	08/18/06			U
BLANK	3 & 4 Methylphenol Total	65794-96-9	< 140	n/a	ug/Kg	08/18/06			U
BLANK	3-Nitroaniline	99-09-2	< 140	n/a	ug/Kg	08/18/06			U
BLANK	4,6-Dinitro-2-methylphenol	534-52-1	< 220	n/a	ug/Kg	08/18/06			U
BLANK	4-Bromophenylphenyl ether	101-55-3	< 140	n/a	ug/Kg	08/18/06			U
BLANK	4-Chlorophenylphenyl ether	7005-72-3	< 140	n/a	ug/Kg	08/18/06			U
BLANK	Acenaphthene	83-32-9	< 140	n/a	ug/Kg	08/18/06			U
BLANK	Acenaphthylene	208-96-8	< 140	n/a	ug/Kg	08/18/06			U
BLANK	Anthracene	120-12-7	< 140	n/a	ug/Kg	08/18/06			U
BLANK	Bis(2-chloroethyl) ether	111-44-4	< 140	n/a	ug/Kg	08/18/06			U
BLANK	Benzo(a)anthracene	56-55-3	< 140	n/a	ug/Kg	08/18/06			U
BLANK	Benzo(b)fluoranthene	205-99-2	< 170	n/a	ug/Kg	08/18/06			U
BLANK	Benzoic acid	65-85-0	< 400	n/a	ug/Kg	08/18/06	0.000		U
BLANK	Benzo(ghi)perylene	191-24-2	< 220	n/a	ug/Kg	08/18/06			U
BLANK	Benzo(a)pyrene	50-32-8	< 200	n/a	ug/Kg	08/18/06			U
BLANK	Bis(2-Chloroethoxy)methane	111-91-1	< 140	n/a	ug/Kg	08/18/06			U

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: 20060934
Matrix: SOLID
Test: SW-846 8270C Semi-Vols

SAF Number: R06-013
Sample Date:
Receive Date:

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
BLANK	Bis(2-ethylhexyl) phthalate	117-81-7	< 140	n/a	ug/Kg	08/18/06			U
BLANK	Bis(2-chloro-1-methylethyl)eth	108-60-1	< 140	n/a	ug/Kg	08/18/06			U
BLANK	Benzyl alcohol	100-51-6	< 140	n/a	ug/Kg	08/18/06			U
BLANK	Benzo(k)fluoranthene	207-08-9	< 170	n/a	ug/Kg	08/18/06			U
BLANK	Butylbenzylphthalate	85-68-7	< 140	n/a	ug/Kg	08/18/06			U
BLANK	Carbazole	86-74-8	< 140	n/a	ug/Kg	08/18/06			U
BLANK	4-Chloroaniline	106-47-8	< 300	n/a	ug/Kg	08/18/06			U
BLANK	4-Chloro-3-methylphenol	59-50-7	< 140	n/a	ug/Kg	08/18/06			U
BLANK	2-Chlorophenol	95-57-8	< 140	n/a	ug/Kg	08/18/06			U
BLANK	Chrysene	218-01-9	< 140	n/a	ug/Kg	08/18/06			U
BLANK	Cyclohexanone	108-94-1	< 140	n/a	ug/Kg	08/18/06			U
BLANK	3,3'-Dichlorobenzidine	91-94-1	< 260	n/a	ug/Kg	08/18/06			U
BLANK	Decane	124-18-5	< 200	n/a	ug/Kg	08/18/06			U
BLANK	Dibenz[a,h]anthracene	53-70-3	< 260	n/a	ug/Kg	08/18/06			U
BLANK	Dibutyl butylphosphonate	78-46-6	< 140	n/a	ug/kg	08/18/06			U
BLANK	Dibenzofuran	132-64-9	< 140	n/a	ug/Kg	08/18/06			U
BLANK	Di-n-butylphthalate	84-74-2	< 140	n/a	ug/Kg	08/18/06			U
BLANK	Diethylphthalate	84-66-2	< 210	n/a	ug/Kg	08/18/06			U
BLANK	Dimethyl phthalate	131-11-3	< 140	n/a	ug/Kg	08/18/06			U
BLANK	2,4-Dinitrophenol	51-28-5	< 600	n/a	ug/Kg	08/18/06			U
BLANK	Di-n-octylphthalate	117-84-0	< 200	n/a	ug/Kg	08/18/06			U
BLANK	N-Nitrosodi-n-dipropylamine	621-64-7	< 140	n/a	ug/Kg	08/18/06			U
BLANK	Dodecane	112-40-3	< 140	n/a	ug/Kg	08/18/06	-999.000	999.000	U
BLANK	2-Fluorobiphenyl	321-60-8	4053.9	101.000	% Recov	08/18/06	56.000	122.000	
BLANK	Fluorene	86-73-7	< 140	n/a	ug/Kg	08/18/06			U
BLANK	Fluoranthene	206-44-0	< 140	n/a	ug/Kg	08/18/06			U
BLANK	Hexachlorobenzene	118-74-1	< 140	n/a	ug/Kg	08/18/06			U
BLANK	Hexachlorobutadiene	87-68-3	< 140	n/a	ug/Kg	08/18/06			U
BLANK	Hexachlorocyclopentadiene	77-47-4	< 160	n/a	ug/Kg	08/18/06			U
BLANK	Hexachloroethane	67-72-1	< 230	n/a	ug/Kg	08/18/06			U

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: 20060934
Matrix: SOLID
Test: SW-846 8270C Semi-Vols

SAF Number: R06-013
Sample Date:
Receive Date:

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
BLANK	Indeno(1,2,3-cd)pyrene	193-39-5	< 240	n/a	ug/Kg	08/18/06			U
BLANK	Isophorone	78-59-1	< 140	n/a	ug/Kg	08/18/06			U
BLANK	Phenol	108-95-2	< 140	n/a	ug/Kg	08/18/06			U
BLANK	Naphthalene	91-20-3	< 140	n/a	ug/Kg	08/18/06			U
BLANK	Nitrobenzene-d5	4165-60-0	4151.5	104.000	% Recov	08/18/06	64.000	111.000	
BLANK	Nitrobenzene	98-95-3	< 140	n/a	ug/Kg	08/18/06			U
BLANK	4-Nitrophenol	100-02-7	< 200	n/a	ug/Kg	08/18/06			U
BLANK	4-Nitroaniline	100-01-6	< 200	n/a	ug/Kg	08/18/06			U
BLANK	N-Nitrosodiphenylamine	86-30-6	< 160	n/a	ug/Kg	08/18/06			U
BLANK	Pentachlorophenol	87-86-5	< 200	n/a	ug/Kg	08/18/06			U
BLANK	Phenanthrene	85-01-8	< 140	n/a	ug/Kg	08/18/06			U
BLANK	Phenol-d5	4165-62-2	4267.2	107.000	% Recov	08/18/06	54.000	120.000	
BLANK	Pyrene	129-00-0	< 140	n/a	ug/Kg	08/18/06			U
BLANK	Pyridine	110-86-1	< 140	n/a	ug/Kg	08/18/06			U
BLANK	Tributyl phosphate	126-73-8	< 140	n/a	ug/Kg	08/18/06			U
BLANK	2,4,6-Tribromophenol	118-79-6	3877.3	96.900	% Recov	08/18/06	24.000	122.000	
BLANK	Terphenyl-d14 (7Cl)	98904-43-9	4111.2	103.000	% Recov	08/18/06	35.000	150.000	
LCS	1,2,4-Trichlorobenzene	120-82-1	4238.8	106.000	% Recov	08/21/06	46.000	107.000	
LCS	1,4-Dichlorobenzene	106-46-7	4369.5	109.000	% Recov	08/21/06	42.000	111.000	
LCS	2,4-Dinitrotoluene	121-14-2	3906.3	97.700	% Recov	08/21/06	59.000	106.000	
LCS	2-Fluorophenol	367-12-4	4113.2	103.000	% Recov	08/21/06	50.000	110.000	
LCS	Acenaphthene	83-32-9	4378.9	109.000	% Recov	08/21/06	61.000	116.000	
LCS	4-Chloro-3-methylphenol	59-50-7	4107.6	68.500	% Recov	08/21/06	61.000	106.000	
LCS	2-Chlorophenol	95-57-8	6161.8	103.000	% Recov	08/21/06	66.000	106.000	
LCS	N-Nitrosodi-n-dipropylamine	621-64-7	4123.0	103.000	% Recov	08/21/06	71.000	114.000	
LCS	2-Fluorobiphenyl	321-60-8	4201.5	105.000	% Recov	08/21/06	58.000	109.000	
LCS	Phenol	108-95-2	6060.9	101.000	% Recov	08/21/06	67.000	105.000	
LCS	Nitrobenzene-d5	4165-60-0	4528.6	113.000	% Recov	08/21/06	60.000	118.000	
LCS	4-Nitrophenol	100-02-7	5813.3	96.900	% Recov	08/21/06	32.000	118.000	
LCS	Pentachlorophenol	87-86-5	5785.1	96.400	% Recov	08/21/06	62.000	114.000	

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: 20060934
Matrix: SOLID
Test: SW-846 8270C Semi-Vols

SAF Number: R06-013
Sample Date:
Receive Date:

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
LCS	Phenol-d5	4165-62-2	4162.6	104.000	% Recov	08/21/06	59.000	116.000	
LCS	Pyrene	129-00-0	4349.8	109.000	% Recov	08/21/06	66.000	118.000	
LCS	2,4,6-Tribromophenol	118-79-6	3900.2	97.500	% Recov	08/21/06	60.000	120.000	
LCS	Terphenyl-d14 (7Cl)	98904-43-9	4349.9	109.000	% Recov	08/21/06	60.000	120.000	

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: 20060934
Matrix: SOLID
Test: WTPH-D TPH Diesel Range (Wa)

SAF Number: R06-013
Sample Date: 08/16/06
Receive Date:08/16/06

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
Lab ID: W060002493									
BATCH QC ASSOCIATED WITH SAMPLE									
SURR	ortho-Terphenyl Surr	84-15-1	19212	93.800	% Recov	08/21/06	70.000	130.000	
Lab ID: W060002494									
BATCH QC ASSOCIATED WITH SAMPLE									
SURR	ortho-Terphenyl Surr	84-15-1	16782	74.300	% Recov	08/21/06	70.000	130.000	
Lab ID: W060002495									
BATCH QC ASSOCIATED WITH SAMPLE									
SURR	ortho-Terphenyl Surr	84-15-1	19882	88.600	% Recov	08/21/06	70.000	130.000	
Lab ID: W060002500									
BATCH QC ASSOCIATED WITH SAMPLE									
MS	ortho-Terphenyl Surr	84-15-1	21567	101.000	% Recov	08/21/06	70.000	130.000	
MS	Total Pet. Hydrocarbons Diesel	TPHDIESEL	107450	101.000	% Recov	08/21/06	75.000	125.000	
MSD	ortho-Terphenyl Surr	84-15-1	22027	91.800	% Recov	08/21/06	70.000	130.000	
MSD	Total Pet. Hydrocarbons Diesel	TPHDIESEL	109000	90.900	% Recov	08/21/06	75.000	125.000	
SPK-RPD	ortho-Terphenyl Surr	84-15-1	91.800	9.544	RPD	08/21/06	0.000	20.000	
SPK-RPD	Total Pet. Hydrocarbons Diesel	TPHDIESEL	90.900	10.526	RPD	08/21/06	0.000	20.000	
BATCH QC									
BLANK	Kerosene	TPHKEROSENE	< 3000	n/a	ug/Kg	08/21/06			U
BLANK	ortho-Terphenyl Surr	84-15-1	18525	92.600	% Recov	08/21/06	70.000	130.000	
BLANK	Total Pet. Hydrocarbons Diesel	TPHDIESEL	< 3000	n/a	ug/Kg	08/21/06			U
LCS	ortho-Terphenyl Surr	84-15-1	20009	100.000	% Recov	08/21/06	70.000	130.000	
LCS	Total Pet. Hydrocarbons Diesel	TPHDIESEL	100020	100.000	% Recov	08/21/06	80.000	120.000	

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: 20060934
Matrix: SOLID
Test: VOA Ground Water Protection

SAF Number: R06-013
Sample Date: 08/16/06
Receive Date:08/16/06

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
Lab ID: W060002496									
BATCH QC ASSOCIATED WITH SAMPLE									
SURR	4-Bromofluorobenzene	460-00-4	65.640	116.000	% Recov	08/21/06	71.000	125.000	
SURR	1,2-Dichloroethane-d4	17060-07-0	61.720	109.000	% Recov	08/21/06	80.000	134.000	
SURR	Toluene-d8	2037-26-5	61.360	109.000	% Recov	08/21/06	80.000	126.000	
Lab ID: W060002497									
BATCH QC ASSOCIATED WITH SAMPLE									
SURR	4-Bromofluorobenzene	460-00-4	60.540	115.000	% Recov	08/21/06	71.000	125.000	
SURR	1,2-Dichloroethane-d4	17060-07-0	57.940	110.000	% Recov	08/21/06	80.000	134.000	
SURR	Toluene-d8	2037-26-5	56.610	107.000	% Recov	08/21/06	80.000	126.000	
Lab ID: W060002498									
BATCH QC ASSOCIATED WITH SAMPLE									
MS	1,1-Dichloroethene	75-35-4	27.420	110.000	% Recov	08/21/06	63.000	117.000	
MS	Benzene	71-43-2	26.680	107.000	% Recov	08/21/06	75.000	129.000	
MS	4-Bromofluorobenzene	460-00-4	58.700	117.000	% Recov	08/21/06	84.000	116.000	*
MS	Chlorobenzene	108-90-7	27.180	109.000	% Recov	08/21/06	79.000	119.000	
MS	1,2-Dichloroethane-d4	17060-07-0	53.080	106.000	% Recov	08/21/06	82.000	136.000	
MS	Toluene-d8	2037-26-5	54.510	109.000	% Recov	08/21/06	89.000	119.000	
MS	Toluene	108-88-3	27.430	110.000	% Recov	08/21/06	76.000	120.000	
MS	Trichloroethene	79-01-6	25.840	103.000	% Recov	08/21/06	73.000	123.000	
MSD	1,1-Dichloroethene	75-35-4	25.390	101.000	% Recov	08/21/06	63.000	117.000	
MSD	Benzene	71-43-2	26.690	107.000	% Recov	08/21/06	75.000	129.000	
MSD	4-Bromofluorobenzene	460-00-4	58.640	117.000	% Recov	08/21/06	84.000	116.000	*
MSD	Chlorobenzene	108-90-7	26.730	107.000	% Recov	08/21/06	79.000	119.000	
MSD	1,2-Dichloroethane-d4	17060-07-0	52.590	105.000	% Recov	08/21/06	82.000	136.000	
MSD	Toluene-d8	2037-26-5	54.540	109.000	% Recov	08/21/06	89.000	119.000	

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: 20060934
Matrix: SOLID
Test: VOA Ground Water Protection

SAF Number: R06-013
Sample Date: 08/16/06
Receive Date:08/16/06

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
MSD	Toluene	108-88-3	27.670	110.000	% Recov	08/21/06	76.000	120.000	
MSD	Trichloroethene	79-01-6	25.610	102.000	% Recov	08/21/06	73.000	123.000	
SPK-RPD	1,1-Dichloroethene	75-35-4	101.000	8.531	RPD	08/21/06	0.000	20.000	
SPK-RPD	Benzene	71-43-2	107.000	0.000	RPD	08/21/06	0.000	20.000	
SPK-RPD	4-Bromofluorobenzene	460-00-4	117.000	0.000	RPD	08/21/06	0.000	20.000	
SPK-RPD	Chlorobenzene	108-90-7	107.000	1.852	RPD	08/21/06	0.000	20.000	
SPK-RPD	1,2-Dichloroethane-d4	17060-07-0	105.000	0.948	RPD	08/21/06	0.000	20.000	
SPK-RPD	Toluene-d8	2037-26-5	109.000	0.000	RPD	08/21/06	0.000	20.000	
SPK-RPD	Toluene	108-88-3	110.000	0.000	RPD	08/21/06	0.000	20.000	
SPK-RPD	Trichloroethene	79-01-6	102.000	0.976	RPD	08/21/06	0.000	20.000	
SURR	4-Bromofluorobenzene	460-00-4	59.050	117.000	% Recov	08/21/06	71.000	125.000	
SURR	1,2-Dichloroethane-d4	17060-07-0	54.410	108.000	% Recov	08/21/06	80.000	134.000	
SURR	Toluene-d8	2037-26-5	56.060	111.000	% Recov	08/21/06	80.000	126.000	

BATCH QC

BLANK	1,1-Dichloroethane	75-34-3	< 2.0	n/a	ug/Kg	08/21/06			U
BLANK	1,1,1-Trichloroethane	71-55-6	< 2.0	n/a	ug/Kg	08/21/06			U
BLANK	1,1,2-Trichloroethane	79-00-5	< 2.0	n/a	ug/Kg	08/21/06			U
BLANK	1,1,2,2-Tetrachloroethane	79-34-5	< 2.0	n/a	ug/Kg	08/21/06			U
BLANK	1,1-Dichloroethene	75-35-4	< 2.0	n/a	ug/Kg	08/21/06			U
BLANK	1,2-Dichloroethane	107-06-2	< 2.0	n/a	ug/Kg	08/21/06			U
BLANK	1,2-Dichloroethene(Total)	540-59-0	< 2.0	n/a	ug/Kg	08/21/06			U
BLANK	1-Butanol	71-36-3	< 40	n/a	ug/Kg	08/21/06			U
BLANK	2-Hexanone	591-78-6	< 2.0	n/a	ug/Kg	08/21/06			U
BLANK	2-Pentanone	107-87-9	< 2.0	n/a	ug/Kg	08/21/06			U
BLANK	4-Methyl-2-Pentanone	108-10-1	< 2.0	n/a	ug/Kg	08/21/06			U
BLANK	Acetone	67-64-1	< 2.0	n/a	ug/Kg	08/21/06			U
BLANK	Bromodichloromethane	75-27-4	< 2.0	n/a	ug/Kg	08/21/06			U
BLANK	Benzene	71-43-2	< 2.0	n/a	ug/Kg	08/21/06			U
BLANK	4-Bromofluorobenzene	460-00-4	117.00	117.000	% Recov	08/21/06	71.000	125.000	

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: 20060934
Matrix: SOLID
Test: VOA Ground Water Protection

SAF Number: R06-013
Sample Date:
Receive Date:

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
BLANK	Bromoform	75-25-2	< 2.0	n/a	ug/Kg	08/21/06			U
BLANK	n-Butylbenzene	104-51-8	< 2.0	n/a	ug/Kg	08/21/06			U
BLANK	Carbon disulfide	75-15-0	< 2.0	n/a	ug/Kg	08/21/06			U
BLANK	Carbon tetrachloride	56-23-5	< 2.0	n/a	ug/Kg	08/21/06			U
BLANK	Dibromochloromethane	124-48-1	< 2.0	n/a	ug/Kg	08/21/06			U
BLANK	Cyclohexane	110-82-7	< 2.0	n/a	ug/Kg	08/21/06			U
BLANK	Chloroform	67-66-3	< 2.0	n/a	ug/Kg	08/21/06			U
BLANK	Chlorobenzene	108-90-7	< 2.0	n/a	ug/Kg	08/21/06			U
BLANK	cis-1,2-Dichloroethylene	156-59-2	< 2.0	n/a	ug/Kg	08/21/06			U
BLANK	cis-1,3-Dichloropropene	10061-01-5	< 2.0	n/a	ug/Kg	08/21/06			U
BLANK	Chloroethane	75-00-3	< 2.0	n/a	ug/Kg	08/21/06			U
BLANK	1,2-Dichloroethane-d4	17060-07-0	108.60	109.000	% Recov	08/21/06	80.000	134.000	
BLANK	trans-1,2-Dichloroethylene	156-60-5	< 2.0	n/a	ug/Kg	08/21/06			U
BLANK	1,2-Dichloropropane	78-87-5	< 2.0	n/a	ug/Kg	08/21/06			U
BLANK	Ethylbenzene	100-41-4	< 2.0	n/a	ug/Kg	08/21/06			U
BLANK	Hexane	110-54-3	< 2.0	n/a	ug/Kg	08/21/06			U
BLANK	Bromomethane	74-83-9	< 2.0	n/a	ug/Kg	08/21/06			U
BLANK	Chloromethane	74-87-3	< 2.0	n/a	ug/Kg	08/21/06			U
BLANK	2-Butanone	78-93-3	< 2.0	n/a	ug/Kg	08/21/06			U
BLANK	Methylenechloride	75-09-2	< 2.0	n/a	ug/Kg	08/21/06			U
BLANK	Tetrachloroethene	127-18-4	< 2.0	n/a	ug/Kg	08/21/06			U
BLANK	Styrene	100-42-5	< 2.0	n/a	ug/Kg	08/21/06			U
BLANK	Xylenes (total)	1330-20-7	< 2.0	n/a	ug/Kg	08/21/06			U
BLANK	Tetrahydrofuran	109-99-9	< 4.0	n/a	ug/Kg	08/21/06			U
BLANK	Toluene-d8	2037-26-5	108.70	109.000	% Recov	08/21/06	80.000	126.000	
BLANK	Toluene	108-88-3	< 2.0	n/a	ug/Kg	08/21/06			U
BLANK	trans-1,3-Dichloropropene	10061-02-6	< 2.0	n/a	ug/Kg	08/21/06			U
BLANK	Trichloromonofluoromethane	75-69-4	< 2.0	n/a	ug/Kg	08/21/06	0.000	5.000	U
BLANK	Trichloroethene	79-01-6	< 2.0	n/a	ug/Kg	08/21/06			U
BLANK	Vinyl chloride	75-01-4	< 2.0	n/a	ug/Kg	08/21/06			U

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: 20060934
Matrix: SOLID
Test: VOA Ground Water Protection

SAF Number: R06-013
Sample Date:
Receive Date:

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
LCS	1,1-Dichloroethene	75-35-4	50.210	100.000	% Recov	08/21/06	70.000	130.000	
LCS	Benzene	71-43-2	51.860	104.000	% Recov	08/21/06	70.000	130.000	
LCS	4-Bromofluorobenzene	460-00-4	115.20	115.000	% Recov	08/21/06	71.000	125.000	
LCS	Chlorobenzene	108-90-7	52.470	105.000	% Recov	08/21/06	70.000	130.000	
LCS	1,2-Dichloroethane-d4	17060-07-0	108.20	108.000	% Recov	08/21/06	80.000	134.000	
LCS	Toluene-d8	2037-26-5	108.50	108.000	% Recov	08/21/06	80.000	126.000	
LCS	Toluene	108-88-3	52.930	106.000	% Recov	08/21/06	70.000	130.000	
LCS	Trichloroethene	79-01-6	49.350	98.700	% Recov	08/21/06	70.000	130.000	

WSCF
ANALYTICAL RESULTS REPORT

Attention: D.L KLAGES H8-40 **Group #:** 20060934

Sample #	Client ID		CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
Radiochemistry														
W060002493	B1KB49	KLAGES	14596-10-2	Americium-241	SOIL	LA-508-471	U	0.0280	pCi/g	1.00	0.056	08/18/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	E,T,C	Am-241 by AEA Total Cntg Error	SOIL	LA-508-471		+- 0.034	pCi/g	1.00	0.0	08/18/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	14596-10-2	Americium-241	SOIL	LA-508-481	U	-6.41e-03	pCi/g	1.00	0.50	08/19/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	E,T,C	Am-241 Rel Count Error (GEA)	SOIL	LA-508-481		+- 0.064	pCi/g	1.00	0.0	08/19/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	14234 35-6	Antimony-125	SOIL	LA-508-481	U	-0.0216	pCi/g	1.00	0.26	08/19/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	E,T,C	Sb-125 Rel. Count Error (GEA)	SOIL	LA-508-481		+- 0.15	pCi/g	1.00	0.0	08/19/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	13981-41-4	Ba-133 by GEA	SOIL	LA-508-481	U	-0.0573	pCi/g	1.00	0.10	08/19/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	E,T,C	Ba-133 Rel. Count Error (GEA)	SOIL	LA-508-481		+- 0.074	pCi/g	1.00	0.0	08/19/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	14762-78-8	Cerium-144	SOIL	LA 508-481	U	0.0543	pCi/g	1.00	0.47	08/19/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	E,T,C	Ce-144 Rel. Count Error (GEA)	SOIL	LA-508-481		+- 0.33	pCi/g	1.00	0.0	08/19/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	CE/PR-144	Cerium/Praseodymium-144	SOIL	LA-508-481	U	0.109	pCi/g	1.00	0.94	08/19/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	E,T,C	CePr-144 Rel. Count Error	SOIL	LA-508-481		+- 0.66	pCi/g	1.00	0.0	08/19/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	10198 40-0	Cobalt-60	SOIL	LA-508-481	U	2.65e-03	pCi/g	1.00	0.033	08/19/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	E,T,C	Co-60 Rel Count Error (GEA)	SOIL	LA-508-481		+- 0.019	pCi/g	1.00	0.0	08/19/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	13967-70-9	Cesium-134	SOIL	LA-508 481	U	0.0728	pCi/g	1.00	0.080	08/19/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	E,T,C	Cs-134 Rel. Count Error (GEA)	SOIL	LA-508-481		+- 0.033	pCi/g	1.00	0.0	08/19/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	10045-97-3	Cesium-137	SOIL	LA-508-481		64.3	pCi/g	1.00	0.059	08/19/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	E,T,C	Cs-137 Rel Count Error (GEA)	SOIL	LA-508-481		+- 10	pCi/g	1.00	0.0	08/19/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	14683-23-9	Europium-152	SOIL	LA-508-481	U	0.0961	pCi/g	1.00	0.24	08/19/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	E,T,C	Eu-152 Rel. Count Error (GEA)	SOIL	LA-508-481		+- 0.15	pCi/g	1.00	0.0	08/19/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	15585-10 1	Europium-154	SOIL	LA-508-481	U	-0.0473	pCi/g	1.00	0.096	08/19/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	E,T,C	Eu-154 Rel. Count Error (GEA)	SOIL	LA-508-481		+- 0.067	pCi/g	1.00	0.0	08/19/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	14391-16-3	Europium-155	SOIL	LA-508-481	U	0.0825	pCi/g	1.00	0.25	08/19/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	E,T,C	Eu-155 Rel Count Error (GEA)	SOIL	LA-508-481		+- 0.15	pCi/g	1.00	0.0	08/19/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	13966-00-2	Potassium-40	SOIL	LA-508-481		28.4	pCi/g	1.00	0.27	08/19/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	E,T,C	K-40 Rel.% Count Error (GEA)	SOIL	LA-508-481		+- 3.7	pCi/g	1.00	0.0	08/19/06	08/16/06	08/16/06

MDL=Minimum Detection Limit
RQ=Result Qualifier

B - The analyte < the RDL but > = the IDL/MDL (inorganic)
E - Analyte is an estimate, has potentially larger errors
U - Analyzed for but not detected above limiting criteria.
C - The Analyte was found in the Associated Blank.
J - Analyte is an estimate, has potentially larger errors
X - Other flags and notes described in the comments/narrative.

DF=Dilution Factor

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

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9/5/06

WSCF
ANALYTICAL RESULTS REPORT

Attention: D.L KLAGES H8-40 **Group #:** 20060934

Sample #	Client ID		CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W060002493	B1KB49	KLAGES	14681-63-1	Niobium-94	SOIL	LA-508-481	U	-0.0108	pCi/g	1.00	0.030	08/19/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	E,T,C	Nb-94 Rel. Count Error (GEA)	SOIL	LA-508-481		+- 0.018	pCi/g	1.00	0.0	08/19/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	13982-63-3	Radium-226	SOIL	LA-508-481		1.06	pCi/g	1.00	0.12	08/19/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	E,T,C	Ra-226 Rel. Count Error (GEA)	SOIL	LA-508-481		+- 0.21	pCi/g	1.00	0.0	08/19/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	15262-20-1	Radium-228	SOIL	LA-508-481		1.38	pCi/g	1.00	0.11	08/19/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	E,T,C	Ra-228 Rel. Count Error (GEA)	SOIL	LA-508-481		+- 0.25	pCi/g	1.00	0.0	08/19/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	13967-48-1	Ruthenium-106	SOIL	LA-508-481	U	-0.257	pCi/g	1.00	0.55	08/19/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	E,T,C	Ru-106 Rel. Count Error (GEA)	SOIL	LA-508-481		+- 0.34	pCi/g	1.00	0.0	08/19/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	15832-50-5	Tin-126	SOIL	LA-508-481	U	-0.0530	pCi/g	1.00	0.19	08/19/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	E,T,C	Sn-126 Rel. Count Error (GEA)	SOIL	LA-508-481		+- 0.14	pCi/g	1.00	0.0	08/19/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	15117-96-1	Uranium-235	SOIL	LA-508-481	U	0.376	pCi/g	1.00	0.49	08/19/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	E,T,C	U-235 Rel. Count Error (GEA)	SOIL	LA-508-481		+- 0.31	pCi/g	1.00	0.0	08/19/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	13982-39-3	Zinc-65	SOIL	LA-508-481	U	0.0146	pCi/g	1.00	0.076	08/19/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	E,T,C	Zn-65 Rel. Count Error (GEA)	SOIL	LA-508-481		+- 0.051	pCi/g	1.00	0.0	08/19/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	14331-83-0	Actinium-228	SOIL	LA-508-481		1.38	pCi/g	1.00	0.11	08/19/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	E,T,C	Ac-228 Rel. Count Error (GEA)	SOIL	LA-508-481		+- 0.25	pCi/g	1.00	0.0	08/19/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	13968-53-1	Ruthenium-103	SOIL	LA-508-481	U	-0.0188	pCi/g	1.00	0.081	08/19/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	E,T,C	Ru-103 Rel. Count Error (GEA)	SOIL	LA-508-481		+- 0.049	pCi/g	1.00	0.0	08/19/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	13966-06-8	Tin-113	SOIL	LA-508-481	U	8.76e-03	pCi/g	1.00	0.11	08/19/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	E,T,C	Sn-113 Rel. Count Error (GEA)	SOIL	LA-508-481		+- 0.065	pCi/g	1.00	0.0	08/19/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	13994-20-2	Neptunium-237	SOIL	LA-508-471	U	0.430	pCi/g	1.00	1.4	08/18/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	E,T,C	Np-237 by AEA Total Ctng Error	SOIL	LA-508-471		+- 0.086	pCi/g	1.00	0.0	08/18/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	13981-16-3	Plutonium-238	SOIL	LA-508-471	U	0.0140	pCi/g	1.00	0.019	08/18/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	E,T,C	Pu-238 by AEA Total Cntg Error	SOIL	LA-508-471		+- 0.014	pCi/g	1.00	0.0	08/18/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	PU-239/240	Pu-239/240 by AEA	SOIL	LA-508-471		0.0220	pCi/g	1.00	5.4e-03	08/18/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	E,T,C	Pu-239/240 AEA Total Cntg Err	SOIL	LA-508-471		+- 0.014	pCi/g	1.00	0.0	08/18/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	SR-RAD	Strontium-89/90	SOIL	LA-508-415		4.45	pCi/g	1.00	0.098	08/18/06	08/16/06	08/16/06

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C - The Analyte was found in the Associated Blank.
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DF = Dilution Factor

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

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9/5/06

WSCF
ANALYTICAL RESULTS REPORT

Attention: D.L KLAGES H8-40 **Group #:** 20060934

Sample #	Client ID		CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W060002493	B1KB49	KLAGES	E,T,C	Sr-89/90 Rel. Count Error	SOIL	LA-508-415		+- 0.89	pCi/g	1.00	0.0	08/18/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	14133-76-7	Technetium-99	SOIL	LA-508-421	U	-0.0410	pCi/g	1.00	0.28	08/18/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	E,T,C	Tc-99 Counting Error	SOIL	LA-508-421		+- 0.041	pCi/g	1.00	0.0	08/18/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	U-233/234	Uranium-233/234	SOIL	LA-508-471		2.20	pCi/g	1.00	0.015	08/21/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	E,T,C	U-233/234 AEA Total Cntg Error	SOIL	LA-508-471		+- 0.57	pCi/g	1.00	0.0	08/21/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	15117-96-1	Uranium-235	SOIL	LA-508-471		0.220	pCi/g	1.00	6.2e-03	08/21/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	E,T,C	U-235 by AEA Total Cntg Error	SOIL	LA-508-471		+- 0.073	pCi/g	1.00	0.0	08/21/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	U 238	Uranium-238	SOIL	LA-508-471		2.00	pCi/g	1.00	5.7e-03	08/21/06	08/16/06	08/16/06
W060002493	B1KB49	KLAGES	E,T,C	U-238 by AEA Total Cntg Error	SOIL	LA-508-471		+- 0.52	pCi/g	1.00	0.10	08/21/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	14596-10-2	Americium-241	SOIL	LA-508-471	U	6.60e-03	pCi/g	1.00	0.040	08/18/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	E,T,C	Am-241 by AEA Total Cntg Error	SOIL	LA-508-471		+- 0.022	pCi/g	1.00	0.0	08/18/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	14596-10-2	Americium-241	SOIL	LA-508-481	U	0.266	pCi/g	1.00	0.52	08/19/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	E,T,C	Am 241 Rel Count Error (GEA)	SOIL	LA-508-481		+ 0.35	pCi/g	1.00	0.0	08/19/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	14234-35-6	Antimony-125	SOIL	LA-508-481	U	-0.114	pCi/g	1.00	0.30	08/19/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	E,T,C	Sb-125 Rel. Count Error (GEA)	SOIL	LA-508-481		+- 0.18	pCi/g	1.00	0.0	08/19/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	13981-41-4	Ba-133 by GEA	SOIL	LA-508-481	U	-0.0242	pCi/g	1.00	0.12	08/19/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	E,T,C	Ba-133 Rel. Count Error (GEA)	SOIL	LA-508-481		+- 0.080	pCi/g	1.00	0.0	08/19/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	14762-78-8	Cerium-144	SOIL	LA-508-481	U	-0.0455	pCi/g	1.00	0.51	08/19/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	E,T,C	Ce-144 Rel. Count Error (GEA)	SOIL	LA-508-481		+- 0.31	pCi/g	1.00	0.0	08/19/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	CE/PR-144	Cerium/Praseodymium-144	SOIL	LA-508-481	U	-0.0910	pCi/g	1.00	1.0	08/19/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	E,T,C	CePr-144 Rel. Count Error	SOIL	LA-508-481		+- 0.61	pCi/g	1.00	0.0	08/19/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	10198-40-0	Cobalt-60	SOIL	LA-508-481	U	-0.0142	pCi/g	1.00	0.033	08/19/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	E,T,C	Co-60 Rel. Count Error (GEA)	SOIL	LA-508-481		+- 0.021	pCi/g	1.00	0.0	08/19/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	13967-70-9	Cesium 134	SOIL	LA-508-481	U	0.0578	pCi/g	1.00	0.060	08/19/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	E,T,C	Cs-134 Rel. Count Error (GEA)	SOIL	LA-508-481		+- 0.026	pCi/g	1.00	0.0	08/19/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	10045-97-3	Cesium-137	SOIL	LA-508-481		85.4	pCi/g	1.00	0.059	08/19/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	E,T,C	Cs-137 Rel. Count Error (GEA)	SOIL	LA-508-481		+- 14	pCi/g	1.00	0.0	08/19/06	08/16/06	08/16/06

MDL=Minimum Detection Limit
RQ=Result Qualifier

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E - Analyte is an estimate, has potentially larger errors
U - Analyzed for but not detected above limiting criteria
C - The Analyte was found in the Associated Blank.
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WSCF
ANALYTICAL RESULTS REPORT

Attention: D.L KLAGES H8-40 **Group #:** 20060934

Sample #	Client ID		CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W060002494	B1KB50	KLAGES	14683-23-9	Europium 152	SOIL	LA-508-481	U	0.0205	pCi/g	1.00	0.26	08/19/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	E,T,C	Eu-152 Rel. Count Error (GEA)	SOIL	LA-508-481		+ 0.16	pCi/g	1.00	0.0	08/19/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	15585-10-1	Europium-154	SOIL	LA-508-481	U	-0.0906	pCi/g	1.00	0.11	08/19/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	E,T,C	Eu-154 Rel. Count Error (GEA)	SOIL	LA-508-481		+- 0.091	pCi/g	1.00	0.0	08/19/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	14391-16-3	Europium 155	SOIL	LA-508-481	U	0.0917	pCi/g	1.00	0.27	08/19/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	E,T,C	Eu-155 Rel. Count Error (GEA)	SOIL	LA-508-481		+- 0.16	pCi/g	1.00	0.0	08/19/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	13966-00-2	Potassium-40	SOIL	LA-508-481		29.1	pCi/g	1.00	0.29	08/19/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	E,T,C	K-40 Rel.% Count Error (GEA)	SOIL	LA-508-481		+- 3.8	pCi/g	1.00	0.0	08/19/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	14681-63-1	Niobium-94	SOIL	LA-508-481	U	-0.0126	pCi/g	1.00	0.032	08/19/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	E,T,C	Nb-94 Rel. Count Error (GEA)	SOIL	LA-508-481		+- 0.019	pCi/g	1.00	0.0	08/19/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	13982-63-3	Radium-226	SOIL	LA-508-481		1.19	pCi/g	1.00	0.13	08/19/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	E,T,C	Ra-226 Rel. Count Error (GEA)	SOIL	LA-508-481		+- 0.23	pCi/g	1.00	0.0	08/19/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	15262-20-1	Radium 228	SOIL	LA-508-481		1.26	pCi/g	1.00	0.12	08/19/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	E,T,C	Ra-228 Rel. Count Error (GEA)	SOIL	LA-508-481		+- 0.24	pCi/g	1.00	0.0	08/19/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	13967-48-1	Ruthenium-106	SOIL	LA-508-481	U	-0.290	pCi/g	1.00	0.58	08/19/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	E,T,C	Ru-106 Rel. Count Error (GEA)	SOIL	LA-508-481		+- 0.35	pCi/g	1.00	0.0	08/19/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	15832-50-5	Tin-126	SOIL	LA-508-481	U	0.273	pCi/g	1.00	0.30	08/19/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	E,T,C	Sn-126 Rel. Count Error (GEA)	SOIL	LA-508-481		+- 0.17	pCi/g	1.00	0.0	08/19/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	15117-96-1	Uranium-235	SOIL	LA-508-481		0.520	pCi/g	1.00	0.52	08/19/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	E,T,C	U-235 Rel. Count Error (GEA)	SOIL	LA-508-481		+- 0.42	pCi/g	1.00	0.0	08/19/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	13982-39-3	Zinc-65	SOIL	LA-508-481	U	0.0219	pCi/g	1.00	0.080	08/19/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	E,T,C	Zn-65 Rel. Count Error (GEA)	SOIL	LA-508-481		+- 0.053	pCi/g	1.00	0.0	08/19/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	14331-83-0	Actinium-228	SOIL	LA-508-481		1.26	pCi/g	1.00	0.12	08/19/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	E,T,C	Ac-228 Rel. Count Error (GEA)	SOIL	LA-508-481		+- 0.24	pCi/g	1.00	0.0	08/19/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	13968-53-1	Ruthenium-103	SOIL	LA-508-481	U	-0.0398	pCi/g	1.00	0.092	08/19/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	E,T,C	Ru-103 Rel. Count Error (GEA)	SOIL	LA-508-481		+- 0.057	pCi/g	1.00	0.0	08/19/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	13966-06-8	Tin-113	SOIL	LA-508-481	U	6.28e-03	pCi/g	1.00	0.12	08/19/06	08/16/06	08/16/06

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WSCF
ANALYTICAL RESULTS REPORT

Attention: D.L KLAGES H8-40 **Group #:** 20060934

Sample #	Client ID		CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W060002494	B1KB50	KLAGES	E.T.C	Sn-113 Rel. Count Error (GEA)	SOIL	LA-508-481		+- 0.063	pCi/g	1.00	0.0	08/19/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	13994-20-2	Neptunium 237	SOIL	LA-508-471		27.0	pCi/g	1.00	0.12	08/18/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	E.T.C	Np-237 by AEA Total Ctng Error	SOIL	LA-508-471		+- 3.2	pCi/g	1.00	0.0	08/18/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	13981-16-3	Plutonium-238	SOIL	LA-508-471		0.0160	pCi/g	1.00	0.015	08/18/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	E.T.C	Pu-238 by AEA Total Cntg Error	SOIL	LA-508-471		+- 0.013	pCi/g	1.00	0.0	08/18/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	PU-239/240	Pu 239/240 by AEA	SOIL	LA-508-471	U	9.90e-03	pCi/g	1.00	0.015	08/18/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	E.T.C	Pu-239/240 AEA Total Cntg Err	SOIL	LA-508-471		+- 0.011	pCi/g	1.00	0.0	08/18/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	SR-RAD	Strontium-89/90	SOIL	LA-508-415		6.40	pCi/g	1.00	0.097	08/18/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	E.T.C	Sr-89/90 Rel Count Error	SOIL	LA-508-415		+- 0.96	pCi/g	1.00	0.0	08/18/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	14133-76-7	Technetium-99	SOIL	LA-508-421	U	0.0960	pCi/g	1.00	0.28	08/18/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	E.T.C	Tc-99 Counting Error	SOIL	LA-508-421		+- 0.96	pCi/g	1.00	0.0	08/18/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	U-233/234	Uranium-233/234	SOIL	LA-508-471		3.30	pCi/g	1.00	4.6e-03	08/21/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	E.T.C	U-233/234 AEA Total Cntg Error	SOIL	LA-508-471		+- 0.86	pCi/g	1.00	0.0	08/21/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	15117-96-1	Uranium-235	SOIL	LA-508-471		0.240	pCi/g	1.00	0.014	08/21/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	E.T.C	U-235 by AEA Total Cntg Error	SOIL	LA-508-471		+- 0.074	pCi/g	1.00	0.0	08/21/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	U-238	Uranium-238	SOIL	LA-508-471		3.50	pCi/g	1.00	0.016	08/21/06	08/16/06	08/16/06
W060002494	B1KB50	KLAGES	E.T.C	U-238 by AEA Total Cntg Error	SOIL	LA-508-471		+- 0.91	pCi/g	1.00	0.10	08/21/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	14596-10-2	Americium-241	SOIL	LA-508-471	U	6.60e-03	pCi/g	1.00	0.044	08/18/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	E.T.C	Am 241 by AEA Total Cntg Error	SOIL	LA-508-471		+- 0.024	pCi/g	1.00	0.0	08/18/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	14596-10-2	Americium-241	SOIL	LA-508-481	U	-0.114	pCi/g	1.00	0.073	08/19/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	E.T.C	Am-241 Rel Count Error (GEA)	SOIL	LA-508-481		+- 0.11	pCi/g	1.00	0.0	08/19/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	14234-35-6	Antimony-125	SOIL	LA-508-481	U	5.98e-03	pCi/g	1.00	0.023	08/19/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	E.T.C	Sb-125 Rel. Count Error (GEA)	SOIL	LA-508-481		+- 0.013	pCi/g	1.00	0.0	08/19/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	13981-41-4	Ba-133 by GEA	SOIL	LA-508-481	U	-1.38e-03	pCi/g	1.00	0.011	08/19/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	E.T.C	Ba-133 Rel. Count Error (GEA)	SOIL	LA-508-481		+- 7.1e-03	pCi/g	1.00	0.0	08/19/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	14762-78-8	Cerium-144	SOIL	LA-508-481	U	5.48e-03	pCi/g	1.00	0.066	08/19/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	E.T.C	Ce-144 Rel. Count Error (GEA)	SOIL	LA-508-481		+- 0.054	pCi/g	1.00	0.0	08/19/06	08/16/06	08/16/06

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9/5/06

WSCF
ANALYTICAL RESULTS REPORT

Attention: D.L KLAGES H8-40 **Group #:** 20060934

Sample #	Client ID		CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W060002495	B1KB51	KLAGES	CE/PR 144	Cerium/Praseodymium-144	SOIL	LA-508-481	U	0.0110	pCi/g	1.00	0.13	08/19/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	E,T,C	CePr-144 Rel. Count Error	SOIL	LA-508-481		+- 0.11	pCi/g	1.00	0.0	08/19/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	10198-40-0	Cobalt-60	SOIL	LA-508-481	U	-2.78e-03	pCi/g	1.00	7.6e-03	08/19/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	E,T,C	Co-60 Rel. Count Error (GEA)	SOIL	LA-508-481		+- 4.5e-03	pCi/g	1.00	0.0	08/19/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	13967-70-9	Cesium-134	SOIL	LA-508-481	U	8.50e-03	pCi/g	1.00	0.010	08/19/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	E,T,C	Cs-134 Rel. Count Error (GEA)	SOIL	LA-508-481		+- 5.7e-03	pCi/g	1.00	0.0	08/19/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	10045-97-3	Cesium-137	SOIL	LA-508-481	U	2.53e-03	pCi/g	1.00	8.9e-03	08/19/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	E,T,C	Cs-137 Rel. Count Error (GEA)	SOIL	LA-508-481		+- 5.1e-03	pCi/g	1.00	0.0	08/19/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	14683-23-9	Europium-152	SOIL	LA-508-481	U	-4.55e-03	pCi/g	1.00	0.025	08/19/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	E,T,C	Eu-152 Rel. Count Error (GEA)	SOIL	LA-508-481		+- 0.018	pCi/g	1.00	0.0	08/19/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	15585-10-1	Europium-154	SOIL	LA-508-481	U	0.0101	pCi/g	1.00	0.022	08/19/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	E,T,C	Eu-154 Rel. Count Error (GEA)	SOIL	LA-508-481		+- 0.014	pCi/g	1.00	0.0	08/19/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	14391-16-3	Europium-155	SOIL	LA-508-481	U	0.0160	pCi/g	1.00	0.038	08/19/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	E,T,C	Eu-155 Rel. Count Error (GEA)	SOIL	LA-508-481		+- 0.022	pCi/g	1.00	0.0	08/19/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	13966-00-2	Potassium-40	SOIL	LA-508-481		0.844	pCi/g	1.00	0.075	08/19/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	E,T,C	K-40 Rel.% Count Error (GEA)	SOIL	LA-508-481		+- 0.17	pCi/g	1.00	0.0	08/19/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	14681-63-1	Niobium-94	SOIL	LA-508-481	U	-3.78e-03	pCi/g	1.00	7.7e-03	08/19/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	E,T,C	Nb-94 Rel. Count Error (GEA)	SOIL	LA-508-481		+- 4.8e-03	pCi/g	1.00	0.0	08/19/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	13982-63-3	Radium-226	SOIL	LA-508-481		0.156	pCi/g	1.00	0.017	08/19/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	E,T,C	Ra-226 Rel. Count Error (GEA)	SOIL	LA-508-481		+- 0.035	pCi/g	1.00	0.0	08/19/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	15262-20-1	Radium-228	SOIL	LA-508-481		0.182	pCi/g	1.00	0.025	08/19/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	E,T,C	Ra-228 Rel. Count Error (GEA)	SOIL	LA-508-481		+- 0.043	pCi/g	1.00	0.0	08/19/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	13967-48-1	Ruthenium-106	SOIL	LA-508-481	U	5.64e-03	pCi/g	1.00	0.075	08/19/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	E,T,C	Ru-106 Rel. Count Error (GEA)	SOIL	LA-508-481		+- 0.044	pCi/g	1.00	0.0	08/19/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	15832-50-5	Tin-126	SOIL	LA-508-481	U	0.0390	pCi/g	1.00	0.039	08/19/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	E,T,C	Sn-126 Rel. Count Error (GEA)	SOIL	LA-508-481		+- 0.019	pCi/g	1.00	0.0	08/19/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	15117-96-1	Uranium-235	SOIL	LA-508-481	U	0.0383	pCi/g	1.00	0.066	08/19/06	08/16/06	08/16/06

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WSCF
ANALYTICAL RESULTS REPORT

Attention: D.L KLAGES H8-40 **Group #:** 20060934

Sample #	Client ID		CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W060002495	B1KB51	KLAGES	E,T,C	U-235 Rel. Count Error (GEA)	SOIL	LA-508-481		+- 0.048	pCi/g	1.00	0.0	08/19/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	13982-39-3	Zinc-65	SOIL	LA-508-481	U	-0.0116	pCi/g	1.00	0.016	08/19/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	E,T,C	Zn-65 Rel. Count Error (GEA)	SOIL	LA-508-481		+- 0.013	pCi/g	1.00	0.0	08/19/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	14331-83-0	Actinium-228	SOIL	LA-508-481		0.182	pCi/g	1.00	0.025	08/19/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	E,T,C	Ac-228 Rel. Count Error (GEA)	SOIL	LA-508-481		+- 0.043	pCi/g	1.00	0.0	08/19/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	13968-53-1	Ruthenium-103	SOIL	LA-508-481	U	-2.27e-03	pCi/g	1.00	8.3e-03	08/19/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	E,T,C	Ru-103 Rel. Count Error (GEA)	SOIL	LA-508-481		+- 5.0e-03	pCi/g	1.00	0.0	08/19/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	13966-06-8	Tin-113	SOIL	LA-508-481	U	-4.88e-04	pCi/g	1.00	0.011	08/19/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	E,T,C	Sn-113 Rel. Count Error (GEA)	SOIL	LA-508-481		+- 4.9e-03	pCi/g	1.00	0.0	08/19/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	13994-20-2	Neptunium-237	SOIL	LA-508-471	U	8.70e-03	pCi/g	1.00	0.016	08/18/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	E,T,C	Np-237 by AEA Total Ctng Error	SOIL	LA-508-471		+- 0.011	pCi/g	1.00	0.0	08/18/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	13981-16-3	Plutonium-238	SOIL	LA-508-471	U	1.80e-03	pCi/g	1.00	0.022	08/18/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	E,T,C	Pu-238 by AEA Total Cntg Error	SOIL	LA-508-471		+- 1.8e-03	pCi/g	1.00	0.0	08/18/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	PU-239/240	Pu-239/240 by AEA	SOIL	LA-508-471	U	1.80e-03	pCi/g	1.00	5.0e-03	08/18/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	E,T,C	Pu-239/240 AEA Total Cntg Err	SOIL	LA-508-471		+- 3.6e-03	pCi/g	1.00	0.0	08/18/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	SR-RAD	Strontium-89/90	SOIL	LA-508-415	U	0.0850	pCi/g	1.00	0.10	08/18/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	E,T,C	Sr-89/90 Rel. Count Error	SOIL	LA-508-415		+- 0.11	pCi/g	1.00	0.0	08/18/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	14133-76-7	Technetium-99	SOIL	LA-508-421	U	-0.320	pCi/g	1.00	0.29	08/18/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	E,T,C	Tc-99 Counting Error	SOIL	LA-508-421		+- 0.32	pCi/g	1.00	0.0	08/18/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	U-233/234	Uranium-233/234	SOIL	LA-508-471		0.0260	pCi/g	1.00	0.013	08/21/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	E,T,C	U-233/234 AEA Total Cntg Error	SOIL	LA-508-471		+- 0.016	pCi/g	1.00	0.0	08/21/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	15117-96-1	Uranium-235	SOIL	LA-508-471		0.0150	pCi/g	1.00	5.2e-03	08/21/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	E,T,C	U-235 by AEA Total Cntg Error	SOIL	LA-508-471		+- 0.011	pCi/g	1.00	0.0	08/21/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	U-238	Uranium-238	SOIL	LA-508-471	U	0.0160	pCi/g	1.00	0.019	08/21/06	08/16/06	08/16/06
W060002495	B1KB51	KLAGES	E,T,C	U-238 by AEA Total Cntg Error	SOIL	LA-508-471		+- 0.014	pCi/g	1.00	0.10	08/21/06	08/16/06	08/16/06

MDL=Minimum Detection Limit
RQ=Result Qualifier

B - The analyte < the RDL but >= the IDL/MDL (inorganic)
E - Analyte is an estimate, has potentially larger errors
U - Analyzed for but not detected above limiting criteria.
C - The Analyte was found in the Associated Blank.
J - Analyte is an estimate, has potentially larger errors
X - Other flags and notes described in the comments/narrative.

DF=Dilution Factor

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

REVISED
Dayes
9/5/06

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: 20060934
Matrix: SOLID
Test: Gamma Energy Analysis-grd H2O

SAF Number: R06-013
Sample Date: 08/16/06
Receive Date:08/16/06

Lab ID: W060002493

BATCH QC ASSOCIATED WITH SAMPLE

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
DUP	Actinium-228	14331-83-0	1.46e+00	5.634	RPD	08/21/06	0.000	20.000	
DUP	Americium-241	14596-10-2	U-1.1e-1	n/a	RPD	08/21/06	0.000	20.000	
DUP	Ba-133 by GEA	13981-41-4	U-5.7e-2	n/a	RPD	08/21/06	0.000	20.000	
DUP	Cerium-144	14762-78-8	U6.24e-2	n/a	RPD	08/21/06	0.000	20.000	
DUP	Cerium/Praseodymium-144	CE/PR-144	U1.25e-1	n/a	RPD	08/21/06	0.000	20.000	
DUP	Cobalt-60	10198-40-0	U2.49e-3	n/a	RPD	08/21/06	0.000	20.000	
DUP	Cesium-134	13967-70-9	U8.19e-02	n/a	RPD	08/21/06	0.000	20.000	
DUP	Cesium-137	10045-97-3	6.57e+01	2.154	RPD	08/21/06	0.000	20.000	
DUP	Europium-152	14683-23-9	U1.99e-2	n/a	RPD	08/21/06	0.000	20.000	
DUP	Europium-154	15585-10-1	U-4.5e-2	n/a	RPD	08/21/06	0.000	20.000	
DUP	Europium-155	14391-16-3	U-5.4e-2	n/a	RPD	08/21/06	0.000	20.000	
DUP	Potassium-40	13966-00-2	2.86e+01	0.702	RPD	08/21/06	0.000	20.000	
DUP	Niobium-94	14681-63-1	U-2.3e-3	n/a	RPD	08/21/06	0.000	20.000	
DUP	Radium-226	13982-63-3	1.11e+00	4.608	RPD	08/21/06	0.000	20.000	
DUP	Radium-228	15262-20-1	1.46e+00	5.634	RPD	08/21/06	0.000	20.000	
DUP	Ruthenium-103	13968-53-1	U2.69e-2	n/a	RPD	08/21/06	0.000	20.000	
DUP	Ruthenium-106	13967-48-1	U-2.0e-1	n/a	RPD	08/21/06	0.000	20.000	
DUP	Antimony-125	14234-35-6	U-7.4e-3	n/a	RPD	08/21/06	0.000	20.000	
DUP	Tin-113	13966-06-8	U4.85e-3	n/a	RPD	08/21/06	0.000	20.000	
DUP	Tin-126	15832-50-5	U4.95e-01	n/a	RPD	08/21/06	0.000	20.000	
DUP	Uranium-235	15117-96-1	U4.17e-1	n/a	RPD	08/21/06	0.000	20.000	
DUP	Zinc-65	13982-39-3	U3.72e-2	n/a	RPD	08/21/06	0.000	20.000	

BATCH QC

BLANK	Actinium-228	14331-83-0	4.56e-02	0.046	pCi/g	08/18/06	-10.000	1000.000	
BLANK	Americium-241	14596-10-2	U-3.0e-3	n/a	pCi/g	08/18/06	-10.000	1000.000	

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: 20060934
Matrix: SOLID
Test: Gamma Energy Analysis-grd H2O

SAF Number: R06-013
Sample Date:
Receive Date:

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
BLANK	Ba-133 by GEA	13981-41-4	U-6.8e-4	n/a	pCi/g	08/18/06	-10.000	1000.000	
BLANK	Cerium-144	14762-78-8	U2.76e-2	n/a	pCi/g	08/18/06	-10.000	1000.000	
BLANK	Cerium/Praseodymium-144	CE/PR-144	U5.52e-2	n/a	pCi/g	08/18/06	-10.000	1000.000	
BLANK	Cobalt-60	10198-40-0	U1.99e-3	n/a	pCi/g	08/18/06	-10.000	1000.000	
BLANK	Cesium-134	13967-70-9	U5.40e-3	n/a	pCi/g	08/18/06	-10.000	1000.000	
BLANK	Cesium-137	10045-97-3	U-3.2e-3	n/a	pCi/g	08/18/06	-10.000	1000.000	
BLANK	Europium-152	14683-23-9	U4.32e-3	n/a	pCi/g	08/18/06	-10.000	1000.000	
BLANK	Europium-154	15585-10-1	U-5.8e-3	n/a	pCi/g	08/18/06	-10.000	1000.000	
BLANK	Europium-155	14391-16-3	U5.54e-3	n/a	pCi/g	08/18/06	-10.000	1000.000	
BLANK	Potassium-40	13966-00-2	6.17e-02	0.062	pCi/g	08/18/06	-10.000	1000.000	
BLANK	Niobium-94	14681-63-1	U1.54e-3	n/a	pCi/g	08/18/06	-10.000	1000.000	
BLANK	Radium-226	13982-63-3	7.48e-02	0.075	pCi/g	08/18/06	-10.000	1000.000	
BLANK	Radium-228	15262-20-1	4.56e-02	0.046	pCi/g	08/18/06	-10.000	1000.000	
BLANK	Ruthenium-103	13968-53-1	U-1.8e-3	n/a	pCi/g	08/18/06	-10.000	1000.000	
BLANK	Ruthenium-106	13967-48-1	U4.42e-3	n/a	pCi/g	08/18/06	-10.000	1000.000	
BLANK	Antimony-125	14234-35-6	U-8.7e-4	n/a	pCi/g	08/18/06	-10.000	1000.000	
BLANK	Tin-113	13966-06-8	U-1.6e-3	n/a	pCi/g	08/18/06	-10.000	1000.000	
BLANK	Tin-126	15832-50-5	U6.86e-3	n/a	pCi/g	08/18/06	-10.000	1000.000	
BLANK	Uranium-235	15117-96-1	U1.70e-2	n/a	pCi/g	08/18/06	-10.000	1000.000	
BLANK	Zinc-65	13982-39-3	U4.09e-3	n/a	pCi/g	08/18/06	-10.000	1000.000	
LCS	Americium-241	14596-10-2	4.04e+03	103.061	% Recov	08/22/06	80.000	120.000	
LCS	Cobalt-60	10198-40-0	4.52e+03	107.876	% Recov	08/22/06	80.000	120.000	
LCS	Cesium-137	10045-97-3	4.07e+03	113.687	% Recov	08/22/06	80.000	120.000	

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: 20060934
Matrix: SOLID
Test: Americium by AEA

SAF Number: R06-013
Sample Date: 08/16/06
Receive Date: 08/16/06

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
Lab ID: W060002493									
BATCH QC ASSOCIATED WITH SAMPLE									
DUP	Americium-241	14596-10-2	U1.3e-02	n/a	RPD	08/18/06	0.000	20.000	
BATCH QC									
BLANK	Americium-241	14596-10-2	U4.1e-02	n/a	pCi/g	08/18/06	-10.000	1000.000	
LCS	Americium-241	14596-10-2	1.2e+01	99.792	% Recov	08/18/06	75.000	125.000	

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: 20060934
Matrix: SOLID
Test: Neptunium by AEA

SAF Number: R06-013
Sample Date: 08/16/06
Receive Date:08/16/06

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
Lab ID: W060002493									
BATCH QC ASSOCIATED WITH SAMPLE									
DUP	Neptunium-237	13994-20-2	1.33	n/a	RPD	08/18/06	0.000	25.000	
BATCH QC									
BLANK	Neptunium-237	13994-20-2	U5.3e-03	n/a	pCi/g	08/18/06	-10.000	1000.000	
LCS	Neptunium-237	13994-20-2	8.8e+01	88.000	% Recov	08/18/06	75.000	125.000	

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: 20060934
Matrix: SOLID
Test: Plutonium Isotopics by AEA

SAF Number: R06-013
Sample Date: 08/16/06
Receive Date:08/16/06

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
Lab ID: W060002493									
BATCH QC ASSOCIATED WITH SAMPLE									
DUP	Plutonium-238	13981-16-3	U3.6e-03	n/a	RPD	08/18/06	0.000	20.000	
DUP	Pu-239/240 by AEA	PU-239/240	1.4e-02	44.444	RPD	08/18/06	0.000	20.000	*
BATCH QC									
BLANK	Plutonium-238	13981-16-3	U-2.0e-03	n/a	pCi/g	08/18/06	-10.000	1000.000	
BLANK	Pu-239/240 by AEA	PU-239/240	1.6e-02	0.016	pCi/g	08/18/06	-10.000	1000.000	
LCS	Pu-239/240 by AEA	PU-239/240	1.4e+01	99.432	% Recov	08/18/06	75.000	125.000	

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: 20060934
Matrix: SOLID
Test: Strontium 89/90

SAF Number: R06-013
Sample Date: 08/16/06
Receive Date:08/16/06

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
Lab ID: W060002493									
BATCH QC ASSOCIATED WITH SAMPLE									
DUP	Strontium-89/90	SR-RAD	3.3	29.677	RPD	08/18/06	0.000	20.000	*
BATCH QC									
BLANK	Strontium-89/90	10098-97-2	-9.1E-02	-0.091	pCi/g	08/18/06	-10.000	300.000	
LCS	Strontium-89/90	10098-97-2	93.4	108.731	% Recov	08/18/06	80.000	120.000	

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: 20060934
Matrix: SOLID
Test: TC99 by Liquid Scin.

SAF Number: R06-013
Sample Date: 08/16/06
Receive Date:08/16/06

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
Lab ID: W060002493									
BATCH QC ASSOCIATED WITH SAMPLE									
DUP	Technetium-99	14133-76-7	U-9.8e-02	n/a	RPD	08/18/06	0.000	20.000	
MS	Technetium-99	14133-76-7	534.8	47.490	% Recov	08/18/06	75.000	125.000	•
BATCH QC									
BLANK	Technetium-99	14133-76-7	U-7.5e-01	n/a	pCi/g	08/18/06	-10.000	1000.000	
LCS	Technetium-99	14133-76-7	11864.4	105.356	% Recov	08/18/06	75.000	125.000	

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: 20060934
Matrix: SOLID
Test: Uranium Isotopics by AEA

SAF Number: R06-013
Sample Date: 08/16/06
Receive Date: 08/16/06

Lab ID: W060002493

BATCH QC ASSOCIATED WITH SAMPLE

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
DUP	Uranium-233/234	U-233/234	1.7	25.641	RPD	08/18/06	0.000	20.000	•
DUP	Uranium-235	15117-96-1	1.6e-01	31.579	RPD	08/18/06	0.000	20.000	•
DUP	Uranium-238	U-238	1.5	28.571	RPD	08/18/06	0.000	20.000	•

BATCH QC

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
BLANK	Uranium-233/234	13966-29-5	2.3e-02	0.023	pCi/g	08/18/06	-10.000	1000.000	
BLANK	Uranium-235	15117-96-1	U1.3e-02	n/a	pCi/g	08/18/06	-10.000	1000.000	
BLANK	Uranium-238	24678-82-8	U1.6e-02	n/a	pCi/g	08/18/06	-10.000	1000.000	
LCS	Uranium-238	24678-82-8	2.0e+01	105.513	% Recov	08/18/06	75.000	125.000	

WSCF
ANALYTICAL COMMENT REPORT

Attention: D.L KLAGES H8-40 **Group #:** 20060934

Sample #	Client ID	Lab Area	Test	Comment
		VALGROUP		W060002493-2495/Pu249 duplicate is flagged for poor RPD. The activity is low level so the RPD doesn't apply. lmh IC Anions: Phosphate matrix spikes recoveries low; however, sample phosphate concentration below MDL. ICP-MS: Beryllium, Manganese, Cobalt, Zinc, Thallium,Thorium and Uranium prep blanks have negative values that bias some sample results low by less than 2.2 times the MDL. All prep blank results are withing acceptance limits. X-flag where applicable. ICP-AES: High aluminum preparation blank; "C" flag if applicable. High calcium and lithium and low silicon LCS recoveries; "E" flag for calcium; other lithium QC is acceptable. Aluminum, iron magnesium, calcium, and titanium sample results beyond effective spike range (spike results marked "NA"). High silicon spike recoveries; "E" flag. U ISO & Sr89/90 dup is flagged for poor RPD because the sample is not homogeneous. lmh Tc-99 The matrix spike recovery was low at 48%. All other QC was acceptable so this batch has been approved.

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

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WSCF
ANALYTICAL COMMENT REPORT

Attention: D.L KLAGES H8-40 **Group #:** 20060934

Sample #	Client ID	Lab Area	Test	Comment
				ORGANICS: Sample concentrations are corrected for moisture and reported as dry weight basis. gar
				VOA: Surrogate, 4-Bromofluorobenzene, biased high in this batch, the MS/MSD were tagged as out high, at 117/117% Rec., respectively, the Upper Control Limit for MS/MSD of this compound is 116% Rec. but the UCL of BFB in the samples is 125%, Hence the surrogate is in for all the samples except the MS/MSD. gar
				SVOA/TPHD: All results are moisture corrected and reported on a dry weight basis. J-flagged compounds are estimated values because their concentrations are below the level of accurate quantitation. cgc
				Np237 sample and dup The Np procedure did not remove all the uranium in the sample. The Np-237 results are due primarily to the presence of U-234.

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: D.L KLAGES H8-40 **Group #:** 20060934

Sample #	Client ID		Test Name	Peak Name	CAS#	RT	RQ	Result	Units
W060002493	B1KB49	KLAGES	Gamma Energy Analysis-grd H2O	PB-212 Count Error				16	%
W060002493	B1KB49	KLAGES	Gamma Energy Analysis-grd H2O	PB-214 Count Error				19	%
W060002493	B1KB49	KLAGES	Gamma Energy Analysis-grd H2O	BI-214 Count Error				20	%
W060002493	B1KB49	KLAGES	Gamma Energy Analysis-grd H2O	TL-208 Count Error				22	%
W060002493	B1KB49	KLAGES	Gamma Energy Analysis-grd H2O	BI-212 Count Error				30	%
W060002493	B1KB49	KLAGES	Gamma Energy Analysis-grd H2O	TL-208				0.45	pCi/g
W060002493	B1KB49	KLAGES	Gamma Energy Analysis-grd H2O	BI-214				1.1	pCi/g
W060002493	B1KB49	KLAGES	Gamma Energy Analysis-grd H2O	BI-212				1.1	pCi/g
W060002493	B1KB49	KLAGES	Gamma Energy Analysis-grd H2O	PB-214				1.2	pCi/g
W060002493	B1KB49	KLAGES	Gamma Energy Analysis-grd H2O	PB-212				1.4	pCi/g
W060002494	B1KB50	KLAGES	Gamma Energy Analysis-grd H2O	PB-212 Count Error				17	%
W060002494	B1KB50	KLAGES	Gamma Energy Analysis-grd H2O	PB-214 Count Error				19	%
W060002494	B1KB50	KLAGES	Gamma Energy Analysis-grd H2O	BI-214 Count Error				20	%
W060002494	B1KB50	KLAGES	Gamma Energy Analysis-grd H2O	TL-208 Count Error				24	%
W060002494	B1KB50	KLAGES	Gamma Energy Analysis-grd H2O	TH-234 Count Error				33	%
W060002494	B1KB50	KLAGES	Gamma Energy Analysis-grd H2O	BI-212 Count Error				38	%
W060002494	B1KB50	KLAGES	Gamma Energy Analysis-grd H2O	TL-208				0.41	pCi/g
W060002494	B1KB50	KLAGES	Gamma Energy Analysis-grd H2O	BI-212				0.91	pCi/g
W060002494	B1KB50	KLAGES	Gamma Energy Analysis-grd H2O	BI-214				1.2	pCi/g
W060002494	B1KB50	KLAGES	Gamma Energy Analysis-grd H2O	PB-212				1.3	pCi/g
W060002494	B1KB50	KLAGES	Gamma Energy Analysis-grd H2O	PB-214				1.3	pCi/g
W060002494	B1KB50	KLAGES	Gamma Energy Analysis-grd H2O	TH-234				15	pCi/g
W060002495	B1KB51	KLAGES	Gamma Energy Analysis-grd H2O	PB-212 Count Error				15	%
W060002495	B1KB51	KLAGES	Gamma Energy Analysis-grd H2O	PB-214 Count Error				19	%
W060002495	B1KB51	KLAGES	Gamma Energy Analysis-grd H2O	TL-208 Count Error				22	%

RQ=Result Qualifier

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

WSCF
TENTATIVELY IDENTIFIED PEAK REPORT

Attention: D.L KLAGES H8-40 **Group #:** 20060934

Sample #	Client ID		Test Name	Peak Name	CAS#	RT	RQ	Result	Units
W060002495	B1KB51	KLAGES	Gamma Energy Analysis-grd H2O	BI-214 Count Error				22	%
W060002495	B1KB51	KLAGES	Gamma Energy Analysis-grd H2O	BI-212 Count Error				43	%
W060002495	B1KB51	KLAGES	Gamma Energy Analysis-grd H2O	TL-208				0.069	pCi/g
W060002495	B1KB51	KLAGES	Gamma Energy Analysis-grd H2O	BI-212				0.15	pCi/g
W060002495	B1KB51	KLAGES	Gamma Energy Analysis-grd H2O	BI-214				0.16	pCi/g
W060002495	B1KB51	KLAGES	Gamma Energy Analysis-grd H2O	PB-214				0.16	pCi/g
W060002495	B1KB51	KLAGES	Gamma Energy Analysis-grd H2O	PB-212				0.21	pCi/g

RQ=Result Qualifier

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

WSCF
METHOD REFERENCES REPORT

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

LA-505-411	LA-505-411: ELEMENTAL ANALYSIS BY INDUCTIVELY COUPLED PLASMA ATOMIC EMISSION SPE	
	EPA SW-846 6010B	INDUCTIVELY COUPLED PLASMA-ATOMIC EMISSION SPECTROMETRY
	HEIS 6010_METALS_ICP	Inductively Coupled Plasma-Atomic Emmision 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
	HEIS 6010_METALS_ICP	Inductively Coupled Plasma-Atomic Emmision Spectrometry
LA-508-415	LA-508-415: OPERATION OF THE PROTEAN 2-INCH ALPHA/BETA COUNTING SYSTEM FOR GROSS	
	None	No reference to any industry method.
LA-508-421	LA-508-421: OPERATION OF THE TRI-CARB MODEL 2500TR LIQUID SCINTILLATION ANALYZER	
	None	No reference to any industry method.
LA-508-471	LA-508-471: ALPHA ENERGY ANALYZER DATA ACQUISITION AND SYSTEM CHECKOUT USING ALP	
	HEIS PUISO_IE_PRECIP_AEA	Plutonium by Alpha Energy Analysis
LA-508-481	LA-508-481: GAMMA ENERGY ANALYSIS USING PROCOUNT SOFTWARE	
	HEIS GAMMA_GS	Gamma Emmision Spectrometry
LA-519-412	LA-519-412: TOTAL RESIDUE/% SOLIDS DRIED AT 103 - 105 C	
	EPA-600/4-79-020 160.3	RESIDUE, TOTAL
	HEIS 160.1_TDS	Residue, Filterable
	Standard Methods 2540B	Total Solids Dried at 103-105 C

Note: A complete list of WSCF analytical procedures and referenced regulatory or industry methods is available online at \\ap006\aspdocs\WSCF\Sample Mgmt\ProcedureMethodCrossReference.pdf. This document includes on-line links to full-text versions of the procedures and methods, where available.

WSCF
METHOD REFERENCES REPORT

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

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)
	HEIS 8260_VOA_GCMS	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)
	HEIS 8270_SVOA_GCMS	Semivolatile Orgamoc Compounds By Gas Chromatography/Mass Spectrometry (GC/MS)
LA-533-410	LA-533-410: ANION ANALYSIS BY ION CHROMATOGRAPHY	
	EPA-600/R-94-111 300.0	DETERMINATION OF INORGANIC ANIONS BY ION CHROMATOGRAPHY
	HEIS 300.0_ANIONS_IC	Determination of Inorganic Anions by Ion Chromatography
NWTPH	NWTPH-Diesel and/or Gasoline	
	WDOE NWTPH-Dx/Gx	Total Petroleum Hydrocarbons - Diesel/Gasoline

Note: A complete list of WSCF analytical procedures and referenced regulatory or industry methods is available online at \\ap006\aspdocs\WSCF\Sample Mgmt\ProcedureMethodCrossReference.pdf. This document includes on-line links to full-text versions of the procedures and methods, where available.

w13qlog v1 28-aug-2006 14:09:07

W13q Worklist/Batch/QC Report for Group# 20060934

WL#	S#	Batch	QC#	Tray Type	Sample#	Test
				SAMPLE	W060002493	Percent Solids
				SAMPLE	W060002494	Percent Solids
				SAMPLE	W060002495	Percent Solids
				SAMPLE	W060002496	Percent Solids
				SAMPLE	W060002497	Percent Solids
				SAMPLE	W060002498	Percent Solids
29428	1	29796	33713	BLANK		Plutonium Isotopics by AEA
29428	2	29796	33713	LCS		Plutonium Isotopics by AEA
29428	3	29796	33713	DUP	W060002493	Plutonium Isotopics by AEA
29428	4	29796	33713	SAMPLE	W060002493	Plutonium Isotopics by AEA
29428	5	29796	33713	SAMPLE	W060002494	Plutonium Isotopics by AEA
29428	6	29796	33713	SAMPLE	W060002495	Plutonium Isotopics by AEA
29429	1	29795	33714	BLANK		Americium by AEA
29429	2	29795	33714	LCS		Americium by AEA
29429	3	29795	33714	DUP	W060002493	Americium by AEA
29429	4	29795	33714	SAMPLE	W060002493	Americium by AEA
29429	5	29795	33714	SAMPLE	W060002494	Americium by AEA
29429	6	29795	33714	SAMPLE	W060002495	Americium by AEA
29444	2	29812	33723	BLANK		Anions by Ion Chromatography
29444	11	29812	33723	BLANK		Anions by Ion Chromatography
29444	3	29812	33723	LCS		Anions by Ion Chromatography
29444	5	29812	33723	DUP	W060002493	Anions by Ion Chromatography
29444	6	29812	33723	MS	W060002493	Anions by Ion Chromatography
29444	7	29812	33723	MSD	W060002493	Anions by Ion Chromatography
29444	4	29812	33723	SAMPLE	W060002493	Anions by Ion Chromatography
29444	8	29812	33723	SAMPLE	W060002494	Anions by Ion Chromatography
29444	9	29812	33723	SAMPLE	W060002495	Anions by Ion Chromatography
29410	1	29777	33729	BLANK		Gamma Energy Analysis-grd H2O
29410	2	29777	33729	LCS		Gamma Energy Analysis-grd H2O
29410	3	29777	33729	DUP	W060002493	Gamma Energy Analysis-grd H2O
29410	4	29777	33729	SAMPLE	W060002493	Gamma Energy Analysis-grd H2O
29410	5	29777	33729	SAMPLE	W060002494	Gamma Energy Analysis-grd H2O
29410	6	29777	33729	SAMPLE	W060002495	Gamma Energy Analysis-grd H2O
29453	1	29818	33730	BLANK		ICP-2008 MS All possible metal
29453	2	29818	33730	LCS		ICP-2008 MS All possible metal
29453	4	29818	33730	MS	W060002493	ICP-2008 MS All possible metal
29453	5	29818	33730	MSD	W060002493	ICP-2008 MS All possible metal
29453	3	29818	33730	SAMPLE	W060002493	ICP-2008 MS All possible metal
29453	5	29818	33730	SPK-RPD	W060002493	ICP-2008 MS All possible metal
29453	6	29818	33730	SAMPLE	W060002494	ICP-2008 MS All possible metal
29453	7	29818	33730	SAMPLE	W060002495	ICP-2008 MS All possible metal
29418	1	29785	33738	BLANK		TC99 by Liquid Scin.
29418	4	29785	33738	LCS		TC99 by Liquid Scin.
29418	3	29785	33738	DUP	W060002493	TC99 by Liquid Scin.
29418	2	29785	33738	MS	W060002493	TC99 by Liquid Scin.
29418	5	29785	33738	SAMPLE	W060002493	TC99 by Liquid Scin.
29418	6	29785	33738	SAMPLE	W060002494	TC99 by Liquid Scin.
29418	7	29785	33738	SAMPLE	W060002495	TC99 by Liquid Scin.

29427	1	29794	33739	BLANK		Uranium Isotopics by AEA
29427	2	29794	33739	LCS		Uranium Isotopics by AEA
29427	3	29794	33739	DUP	W060002493	Uranium Isotopics by AEA
29427	4	29794	33739	SAMPLE	W060002493	Uranium Isotopics by AEA
29427	5	29794	33739	SAMPLE	W060002494	Uranium Isotopics by AEA
29427	6	29794	33739	SAMPLE	W060002495	Uranium Isotopics by AEA
			33741	BLANK		VOA Ground Water Protection
			33741	LCS		VOA Ground Water Protection
			33741	SAMPLE	W060002496	VOA Ground Water Protection
			33741	SURR	W060002496	VOA Ground Water Protection
			33741	SAMPLE	W060002497	VOA Ground Water Protection
			33741	SURR	W060002497	VOA Ground Water Protection
			33741	MS	W060002498	VOA Ground Water Protection
			33741	MSD	W060002498	VOA Ground Water Protection
			33741	SAMPLE	W060002498	VOA Ground Water Protection
			33741	SPK-RPD	W060002498	VOA Ground Water Protection
			33741	SURR	W060002498	VOA Ground Water Protection
29439	1	29806	33742	BLANK		ICP Metals Analysis, Grd H20 P
29439	2	29806	33742	LCS		ICP Metals Analysis, Grd H20 P
29439	4	29806	33742	MS	W060002493	ICP Metals Analysis, Grd H20 P
29439	5	29806	33742	MSD	W060002493	ICP Metals Analysis, Grd H20 P
29439	3	29806	33742	SAMPLE	W060002493	ICP Metals Analysis, Grd H20 P
29439	5	29806	33742	SPK-RPD	W060002493	ICP Metals Analysis, Grd H20 P
29439	6	29806	33742	SAMPLE	W060002494	ICP Metals Analysis, Grd H20 P
29439	7	29806	33742	SAMPLE	W060002495	ICP Metals Analysis, Grd H20 P
29455	1	29820	33744	BLANK		Strontium 89/90
29455	2	29820	33744	LCS		Strontium 89/90
29455	3	29820	33744	DUP	W060002493	Strontium 89/90
29455	4	29820	33744	SAMPLE	W060002493	Strontium 89/90
29455	5	29820	33744	SAMPLE	W060002494	Strontium 89/90
29455	6	29820	33744	SAMPLE	W060002495	Strontium 89/90
			33747	BLANK		SW-846 8270C Semi-Vols
			33747	LCS		SW-846 8270C Semi-Vols
			33747	SAMPLE	W060002493	SW-846 8270C Semi-Vols
			33747	SURR	W060002493	SW-846 8270C Semi-Vols
			33747	SAMPLE	W060002494	SW-846 8270C Semi-Vols
			33747	SURR	W060002494	SW-846 8270C Semi-Vols
			33747	SAMPLE	W060002495	SW-846 8270C Semi-Vols
			33747	SURR	W060002495	SW-846 8270C Semi-Vols
			33747	MS	W060002500	SW-846 8270C Semi-Vols
			33747	MSD	W060002500	SW-846 8270C Semi-Vols
			33747	SPK-RPD	W060002500	SW-846 8270C Semi-Vols
			33751	BLANK		WTPH-D TPH Diesel Range (Wa)
			33751	LCS		WTPH-D TPH Diesel Range (Wa)
			33751	SAMPLE	W060002493	WTPH-D TPH Diesel Range (Wa)
			33751	SURR	W060002493	WTPH-D TPH Diesel Range (Wa)
			33751	SAMPLE	W060002494	WTPH-D TPH Diesel Range (Wa)
			33751	SURR	W060002494	WTPH-D TPH Diesel Range (Wa)
			33751	SAMPLE	W060002495	WTPH-D TPH Diesel Range (Wa)
			33751	SURR	W060002495	WTPH-D TPH Diesel Range (Wa)
			33751	MS	W060002500	WTPH-D TPH Diesel Range (Wa)
			33751	MSD	W060002500	WTPH-D TPH Diesel Range (Wa)
			33751	SPK-RPD	W060002500	WTPH-D TPH Diesel Range (Wa)

29423	1	29790	33753	BLANK		Neptunium by AEA
29423	2	29790	33753	LCS		Neptunium by AEA
29423	3	29790	33753	DUP	W060002493	Neptunium by AEA
29423	4	29790	33753	SAMPLE	W060002493	Neptunium by AEA
29423	5	29790	33753	SAMPLE	W060002494	Neptunium by AEA
29423	6	29790	33753	SAMPLE	W060002495	Neptunium by AEA

M8141-SLF-06-233

ATTACHMENT 3

SAMPLE RECEIPT INFORMATION

Consisting of 13 pages
Including cover page

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

File
8/23/06

ACKNOWLEDGMENT OF SAMPLES RECEIVED

PROJECT HANFORD MANAGEMENT COMPANY
RICHLAND, WA 99354
Attn: D.L KLAGES H8-40

Customer Code: PHMC-MISC
PO#: 121600/ES20
Group#: 20060934

The following samples were received from you on 08/16/06. 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
W060002493	B1KB49		KLAGES Solid, or handle as if solid				08/16/06
		@2008	@AEA-30	@AEA-31	@AEA-32	@AEA-33	
		@GEA-GPP	@GPP6010	@IC-30	@SR89_90	@SVOCGPP	@TC99
		@TPHD-WA	PERSOLID				
W060002494	B1KB50		KLAGES Solid, or handle as if solid				08/16/06
		@2008	@AEA-30	@AEA-31	@AEA-32	@AEA-33	
		@GEA-GPP	@GPP6010	@IC-30	@SR89_90	@SVOCGPP	@TC99
		@TPHD-WA	PERSOLID				
W060002495	B1KB51		KLAGES Solid, or handle as if solid				08/16/06
		@2008	@AEA-30	@AEA-31	@AEA-32	@AEA-33	
		@GEA-GPP	@GPP6010	@IC-30	@SR89_90	@SVOCGPP	@TC99
		@TPHD-WA	PERSOLID				
W060002496	B1KB75		KLAGES Solid, or handle as if solid				08/16/06
		@VOA-GPP	PERSOLID				
W060002497	B1KB76		KLAGES Solid, or handle as if solid				08/16/06
		@VOA-GPP	PERSOLID				
W060002498	B1KB77		KLAGES Solid, or handle as if solid				08/16/06
		@VOA-GPP	PERSOLID				

Test Acronym Description

Test Acronym	Description
@2008	ICP-2008 MS All possible metal
@AEA-30	Plutonium Isotopics by AEA
@AEA-31	Americium by AEA
@AEA-32	Uranium Isotopics by AEA
@AEA-33	Neptunium by AEA
@GEA-GPP	Gamma Energy Analysis-grd H2O
@GPP6010	ICP Metals Analysis, Grd H20 P
@IC-30	Anions by Ion Chromatography
@SR89_90	Strontium 89/90
@SVOCGPP	SW-846 8270C Semi-Vols
@TC99-30	TC99 by Liquid Scin.

PROJECT HANFORD MANAGEMENT COMPANY

Customer Code: PHMC-MISC

RICHLAND, WA 99354 PO#: 121600/ES20

Attn: D.L KLAGES H8-40 Group#: 20060934

Test Acronym Description

Test Acronym	Description
@TPHD-WA	WTPH-D TPH Diesel Range (Wa)
@VOA-GPP	VOA Ground Water Protection
PERSOLID	Percent Solids

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	R06-013-011	PAGE 1 OF 4

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 8C	DATA TURNAROUND
HOGAN, JG	TRECHTER, JE	373-7046	TRECHTER, JE	AIR QUALITY	7 DAYS ~~15 Days~~ 7 DAYS ~~15 Days~~ 8-16-06

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
200-W-42	200-UW-1 Operable Unit, Soil from Trench between 216-U-8 and 216-U-12	R06-013

ICE CHEST NO.	FIELD LOGBOOK NO.	COA	METHOD OF SHIPMENT
	DTS-SANS-H	121600ES20	GOVERNMENT VEHICLE

SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.
Waste Sampling & Characterization	N/A	N/A

MATRIX*
OL = OTHER LIQUID
OS = OTHER SOLID
S = SOIL
W = WATER

SPECIAL HANDLING AND/OR STORAGE

POSSIBLE SAMPLE HAZARDS/ REMARKS

20060934

ICED
Initial
8/16/06 Date

SAMPLE NO.	LAB ID	MATRIX*	SAMPLE DATE	SAMPLE TIME	NO./TYPE CONTAINER(S)	ANALYSIS	PRESERVATION
B1KB49		S			4X60mL aG	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	Cool 4C
	W06000 2483		8-16-06	1530			
B1KB49		S			4X60mL G	TPH-Diesel Range - WTPH-D {TPHKEROSEN}	Cool 4C
B1KB49		S			1X500mL Square Bottle - Poly	SEE ITEM (2) IN SPECIAL INSTRUCTIONS	None
B1KB49		S			4X60mL G/P	Isotopic Plutonium {Pu-238, Pu-239/240} Isotopic Uranium {U-233/234, U-235, U-238} Americium-241 {Am-241}	None
B1KB49		S			4X60mL G/P	Strontium-89,90 -- Sr-90 {Sr-90}	None
B1KB49		S			4X60mL G/P	Technetium-99 {Tc-99}	None
B1KB49		S			4X60mL G/P	Neptunium-237 {Np-237}	None

CHAIN OF POSSESSION		SIGN/ PRINT NAMES		SPECIAL INSTRUCTIONS
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS
JG HOGAN / J Hogan	1920 8-16-06	Victor Pinas / [signature]	19:20 8/16/06	
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	

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			R06-013-011	PAGE 2 OF 4
COLLECTOR HOGAN, JG	**COMPANY CONTACT** TRECHTER, JE	**TELEPHONE NO.** 373-7046	**PROJECT COORDINATOR** TRECHTER, JE	**PRICE CODE** 8C	**DATA TURNAROUND** ~~15 Days~~ 7 Days 8-16-06
SAMPLING LOCATION 200-W-42	**PROJECT DESIGNATION** 200-UW-1 Operable Unit, Soil from Trench between 216-U-8 and 216-U-12		**SAF NO.** R06-013	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.** DTS-SAMS-H	**COA** 121600ES20	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE		
SHIPPED TO Waste Sampling & Characterization	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

ICED ✓ Initial 8/16/06 Date

SPECIAL INSTRUCTIONS

Reporting format the same as GPP, including QC. All samples, except VOAs, have been taken using the multiple-increment sampling program. This requires the entire sample provided in each bottle to be used in analysis. VOAs will be analyzed as usual.

(1)Semi-VOA -- 8270A (Add-On) {124TRMEBEN, 2-NAPHTHAM, 2BUTOXETOL, BENZALC, CYCHEXN, DECANE, MCRESOL, METHYLPHEN, PYRIDINE, TRIBUPH} Semi-VOA - 8270A (TCL) {12DICLBENZ, 13DICLBENZ, 14DICLBENZ, 245TRCLPHN, 246TRCLPHN, 24DICLPHEN, 24DIMET, 24DINITOLU, 26DINITOLU, 2CLMEETHER, 2MENAPH, 2METHPH, 2NITRAN, 2NITRPH, 3NITRAN, 46DINIT, 4CHLOET, 9H-CARB, ACENAPH, ACENATL, ANTHRACENE, BENZAAN, BENZBFL, BENZOPE, BENZOPY, BIS2CHE, BIS2CHM, BIS2EPH, BNZKFLU, BROPHEN, BUTBENP, CHLANIL, CHLCRES, CHLNAPH, CHLPHEN, CHRYSENE, DIBAHAN, DIBENFR, DIBPHTH, DICHBEN, DIEPHTH, DIMPHTH, DINPHEN, DIOPHTH, DIPRNIT, FLUORAN, FLUORENE, HEXCBEN, HEXCBUT, HEXCCYC, HEXCETH, INDENOP, ISOPHORONE, NAPHTHA, NITBENZ, NITPHENOL, NITRANILIN, NNDIPHA, PENTCHP, PHENANT, PHENOL, PYRENE, TRICHLB}

(2)Gamma Spec - Add-on {Ac-228, Ba-133, Ce-144, Cs/Pr-144, Cm-244, Cs-134, K-40, Nb-94, Ra-228, Ru-103, Sb-125, Sn-113, Sn-125, Sn-126, Th-228, Th-232, U-235, U-238, Zn-65} Gamma Spectroscopy {Am-241, Co-58, Co-60, Cs-137, Eu-152, Eu-154, Eu-155, Fe-59, Ra-226, Ru-106}

A-6001-774

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			R06-013-011	PAGE 3 OF 4
COLLECTOR HOGAN, JG	COMPANY CONTACT TRECHTER, JE	TELEPHONE NO. 373-7046	PROJECT COORDINATOR TRECHTER, JE	PRICE CODE 8C	DATA TURNAROUND
SAMPLING LOCATION 200-W-42	PROJECT DESIGNATION 200-UW-1 Operable Unit, Soil from Trench between 216-U-8 and 216-U-12		SAF NO. R06-013	AIR QUALITY	7 days ~~15 Days~~ 1/14 7 days ~~15 Days~~ 8-16-06
ICE CHEST NO.	FIELD LOGBOOK NO. DTS-SAWS-14	COA 121600ES20	METHOD OF SHIPMENT GOVERNMENT VEHICLE		
SHIPPED TO Waste Sampling & Characterization	OFFSITE PROPERTY NO. N/A		BILL OF LADING/AIR BILL NO. N/A		

ICED
V.T. Initial
8/14/06 Date

MATRIX*
OL = OTHER LIQUID
OS = OTHER SOLID
S = SOIL
W = WATER

SPECIAL HANDLING AND/OR STORAGE

POSSIBLE SAMPLE HAZARDS/ REMARKS

SAMPLE NO.	LAB ID	MATRIX*	SAMPLE DATE	SAMPLE TIME	NO./TYPE CONTAINER(S)	ANALYSIS	PRESERVATION
B1KB49		S			4X60mL G/P	IC Anions - 300.0 {BROMIDE, CHLORIDE, FLUORIDE, NO2-N, NO3-N, PO4-P, SULFATE}	None
B1KB49		S	8-16-06	1530	4X60mL G/P	ICP Metals - 6010A (Add-on) {~~B, Be~~, La, ~~Li~~, ~~Sb~~, Sm, ~~Ti~~} ICP Metals - 6010A (TAL) {~~Al~~, ~~Ca~~, ~~Fe~~, ~~K~~, ~~Mg~~, ~~Na~~}	Cool 4C
B1KB49		S			4X60mL G/P	SEE ITEM (3) IN SPECIAL INSTRUCTIONS	None
B1KB75	W06000249~~6~~	S			1X40mL G	SEE ITEM (4) IN SPECIAL INSTRUCTIONS	Cool 4C
B1KB76	2497	S			1X40mL G	SEE ITEM (4) IN SPECIAL INSTRUCTIONS	Cool 4C
B1KB77	2498	S			1X40mL G	SEE ITEM (4) IN SPECIAL INSTRUCTIONS	Cool 4C

CHAIN OF POSSESSION		SIGN/ PRINT NAMES		SPECIAL INSTRUCTIONS
RELINQUISHED BY/REMOVED FROM JG Hogan	DATE/TIME 1920 8-16-06	RECEIVED BY/STORED IN Victor Bin	DATE/TIME 1920 8/16/06	SEE PAGE 4 FOR ALL SPECIAL INSTRUCTIONS
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	

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			R06-013-011	PAGE 4 OF 4
COLLECTOR HOGAN, JG	**COMPANY CONTACT** TRECHTER, JE	**TELEPHONE NO.** 373-7046	**PROJECT COORDINATOR** TRECHTER, JE	**PRICE CODE** 8C **AIR QUALITY** ☐	**DATA TURNAROUND** ~~15 Days~~ 8-16-06 30 Days
SAMPLING LOCATION 200-W-42	**PROJECT DESIGNATION** 200-UW-1 Operable Unit, Soil from Trench between 216-U-8 and 216-U-12		**SAF NO.** R06-013		
ICE CHEST NO.	**FIELD LOGBOOK NO.** DTS-SAWS-44	**COA** 121600ES20	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE		
SHIPPED TO Waste Sampling & Characterization	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

VERIFIED
Initial
8/16/06 Date

SPECIAL INSTRUCTIONS

Reporting format the same as GPP, including QC. All samples, except VOAs, have been taken using the multiple-increment sampling program. This requires the entire sample provided in each bottle to be used in analysis. VOAs will be analyzed as usual.

(3)ICP/MS - 200.8 (Add-on) {~~As~~, ~~Be~~, ~~Mo~~, ~~Nb~~, ~~Se~~, ~~Sn~~, ~~Sr~~, ~~Tl~~, ~~U~~} ICP/MS - 200.8 (TAL) {~~Ag~~, Ba, Cd, Co, Cr, ~~Cu~~, Mn, Ni, Sb, ~~V~~, ~~Zn~~} ICP/MS - 200.8 (Hg) {~~Hg~~} Isotopic Thorium {~~Th~~-232}

(4)VOA - 8260A (Add-On) {1BUTANOL, 1PROPANOL, 2-PENTANON, ACETILE, CISDCE, ETHANOL, HEXANE, N-BUTYL, PROPCYHEXA, TETHYDF, TRANDCE, TRCMFLM} VOA - 5035/8260 (TCL) {1,1,1-T, 1,1,2-T, 1,1-DCL, 1,2-DCL, 1122-TCE, 12DICHL, 2HEXANONE, ACETONE, BDCM, BENZENE, BROMOFORM, CARBIDE, CARBTET, CDBM, CHLOROBENZ, CHLOROFORM, CIS13DI, CLETHAN, DICETHY, DICPANE, ETHBENZENE, HEXONE, METHBRO, METHCHL, METHONE, METHYCH, PERCENE, STYRENE, TOLUENE, TRANS13, TRICELN, VINYIDE, XYLENES}

A-6001-774

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			R06-013-013	PAGE 1 OF 3
COLLECTOR HOGAN, JG	COMPANY CONTACT TRECHTER, JE	TELEPHONE NO. 373-7046	PROJECT COORDINATOR TRECHTER, JE	PRICE CODE 8C	DATA TURNAROUND
SAMPLING LOCATION 200-W-42	PROJECT DESIGNATION 200-UW-1 Operable Unit, Soil from Trench between 216-U-8 and 216-U-12		SAF NO. R06-013	AIR QUALITY ☐	7 Days / ~~14 Days~~ / ~~30 Days~~ 8-16-06
ICE CHEST NO.	FIELD LOGBOOK NO. DTS-SAWS-H	COA 121600ES20	METHOD OF SHIPMENT GOVERNMENT VEHICLE		8/16/06 Initial Date
SHIPPED TO Waste Sampling & Characterization	OFFSITE PROPERTY NO. N/A		BILL OF LADING/AIR BILL NO. N/A		

MATRIX*
OL = OTHER LIQUID
OS = OTHER SOLID
S = SOIL
W = WATER

SPECIAL HANDLING AND/OR STORAGE

POSSIBLE SAMPLE HAZARDS/ REMARKS

SAMPLE NO.	LAB ID	MATRIX*	SAMPLE DATE	SAMPLE TIME	NO./TYPE CONTAINER(S)	ANALYSIS	PRESERVATION
B1KB50	WO 6000249 4	S	8-16-06	1530	4X60mL aG	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	Cool 4C
B1KB50		S			4X60mL G	TPH-Diesel Range - WTPH-D {TPHKEROSEN}	Cool 4C
B1KB50		S			1X500mL Square Bottle - Poly	SEE ITEM (2) IN SPECIAL INSTRUCTIONS	None
B1KB50		S			4X60mL G/P	Isotopic Plutonium {Pu-238, Pu-239/240} Isotopic Uranium {U-233/234, U-235, U-238} Americium-241 {Am-241}	None
B1KB50		S			4X60mL G/P	Strontium-89,90 -- Sr-90 {Sr-90}	None
B1KB50		S			4X60mL G/P	Technetium-99 {Tc-99}	None
B1KB50		S			4X60mL G/P	Neptunium-237 {Np-237}	None

CHAIN OF POSSESSION		SIGN/ PRINT NAMES		SPECIAL INSTRUCTIONS
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS
JG Hogan J T Hogan	1920 8-16-06	Victor Jones	8/16/06 1920	
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	

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			R06-013-013	PAGE 2 OF 3
COLLECTOR HOGAN, JG	**COMPANY CONTACT** TRECHTER, JE	**TELEPHONE NO.** 373-7046	**PROJECT COORDINATOR** TRECHTER, JE	**PRICE CODE** 8C	**DATA TURNAROUND** 7 DAYS ~~15 Days~~ 5-16-06
SAMPLING LOCATION 200-W-42	**PROJECT DESIGNATION** 200-UW-1 Operable Unit, Soil from Trench between 216-U-8 and 216-U-12		**SAF NO.** R06-013	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.** DTS-SAWS-4	**COA** 121600ES20	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE		
SHIPPED TO Waste Sampling & Characterization	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

Initial
Date

SPECIAL INSTRUCTIONS

Reporting format the same as GPP, including QC. All samples, except VOAs, have been taken using the multiple-increment sampling program. This requires the entire sample provided in each bottle to be used in analysis. VOAs will be analyzed as usual.

(1)Semi-VOA -- 8270A (Add-On) {124TRMEBEN, 2-NAPHTHAM, 2BUTOXETOL, BENZALC, CYCHEXN, DECANE, MCRESOL, METHYLPHEN, PYRIDINE, TRIBUPH} Semi-VOA - 8270A (TCL) {12DICLBENZ, 13DICLBENZ, 14DICLBENZ, 245TRCLPHN, 246TRCLPHN, 24DICLPHEN, 24DIMET, 24DINITOLU, 26DINITOLU, 2CLMEETHER, 2MENAPH, 2METHPH, 2NITRAN, 2NITRPH, 3NITRAN, 46DINIT, 4CHLOET, 9H-CARB, ACENAPH, ACENATL, ANTHRACENE, BENZAAN, BENZBFL, BENZOPE, BENZOPY, BIS2CHE, BIS2CHM, BIS2EPH, BNZKFLU, BROPHEN, BUTBENP, CHLANIL, CHLCRES, CHLNAPH, CHLPHEN, CHRYSENE, DIBAHAN, DIBENFR, DIBPHTH, DICHBEN, DIEPHTH, DIMPHTH, DINPHEN, DIOPHTH, DIPRNIT, FLUORAN, FLUORENE, HEXCBEN, HEXCBUT, HEXCCYC, HEXCETH, INDENOP, ISOPHORONE, NAPHTHA, NITBENZ, NITPHENOL, NITRANILIN, NNDIPHA, PENTCHP, PHENANT, PHENOL, PYRENE, TRICHLB}

(2)Gamma Spec - Add-on {Ac-228, Ba-133, Ce-144, Ce/Pr-144, Cm-244, Cs-134, K-40, Nb-94, Ra-228, Ru-103, Sb-125, Sn-113, Sn-125, Sn-126, Th-228, Th-232, U-235, U-238, Zn-65} Gamma Spectroscopy {Am-241, Co-58, Co-60, Cs-137, Eu-152, Eu-154, Eu-155, Fe-59, Ra-226, Ru-106}

A-6001-774

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			R06-013-013	PAGE 3 OF 3
COLLECTOR HOGAN, JG	COMPANY CONTACT TRECHTER, JE	TELEPHONE NO. 373-7046	PROJECT COORDINATOR TRECHTER, JE	PRICE CODE 8C	DATA TURNAROUND
SAMPLING LOCATION 200-W-42	PROJECT DESIGNATION 200-UW-1 Operable Unit, Soil from Trench between 216-U-8 and 216-U-12		SAF NO. R06-013	AIR QUALITY ☐	~~7DAYS 15 Days~~ 1/A ~~7DAYS 15 Days~~ 8.16.06
ICE CHEST NO.	FIELD LOGBOOK NO. DTS-SAWS-4	COA 121600ES20	METHOD OF SHIPMENT GOVERNMENT VEHICLE		
SHIPPED TO Waste Sampling & Characterization	OFFSITE PROPERTY NO. N/A		BILL OF LADING/AIR BILL NO. N/A		

ICED
Initial
8/16/06 Date

MATRIX*
OL = OTHER LIQUID
OS = OTHER SOLID
S = SOIL
W = WATER

SPECIAL HANDLING AND/OR STORAGE

POSSIBLE SAMPLE HAZARDS/ REMARKS

SAMPLE NO.	LAB ID	MATRIX*	SAMPLE DATE	SAMPLE TIME	NO./TYPE CONTAINER(S)	ANALYSIS	PRESERVATION
B1KB50		S	8-16-06	1530	4X60mL G/P	IC Anions - 300.0 {BROMIDE, CHLORIDE, FLUORIDE, NO2-N, NO3-N, PO4-P, SULFATE}	None
B1KB50		S	↓	↓	4X60mL G/P	ICP Metals - 6010A (Add-on) {B, Bi, La, Li, Si, Sm, Tl} ICP Metals - 6010A (TAL) {Al, Ca, Fe, K, Mg, Na}	Cool 4C
B1KB50		S	↓	↓	4X60mL G/P	SEE ITEM (3) IN SPECIAL INSTRUCTIONS	None

CHAIN OF POSSESSION		SIGN/ PRINT NAMES	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JG Hogan	1920 8-16-06	Victor J Sims	8/16/06 1920
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

Reporting format the same as GPP, including QC. All samples, except VOAs, have been taken using the multiple-increment sampling program. This requires the entire sample provided in each bottle to be used in analysis. VOAs will be analyzed as usual.
(3)ICP/MS - 200.8 (Add-on) {As, Be, Mo, Pb, Se, Sn, Sr, Tl, U} ICP/MS - 200.8 (TAL) {Ag, Ba, Cd, Co, Cr, Cu, Mn, Ni, Sb, V, Zn} ICP/MS - 200.8 (Hg) {Hg} Isotopic Thorium {Th-232}

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	R06-013-015	PAGE 1 OF 3

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 8C	DATA TURNAROUND
HOGAN, JG	TRECHTER, JE	373-7046	TRECHTER, JE	AIR QUALITY ☐	7 DAYS ~~15 Days~~ / 14 7 DAYS ~~15 Days~~ 8-16-06
SAMPLING LOCATION: 200-W-42	PROJECT DESIGNATION: 200-UW-1 Operable Unit, Soil from Trench between 216-U-8 and 216-U-12		SAF NO.: R06-013		
ICE CHEST NO.	FIELD LOGBOOK NO.: DTS-SAMS-H	COA: 121600ES20	METHOD OF SHIPMENT: GOVERNMENT VEHICLE		
SHIPPED TO: Waste Sampling & Characterization	OFFSITE PROPERTY NO.: N/A		BILL OF LADING/AIR BILL NO.: N/A		

ICED Initial 8/16/06 Date

MATRIX*
OL = OTHER LIQUID
OS = OTHER SOLID
S = SOIL
W = WATER

SPECIAL HANDLING AND/OR STORAGE

POSSIBLE SAMPLE HAZARDS/ REMARKS

SAMPLE NO.	LAB ID	MATRIX*	SAMPLE DATE	SAMPLE TIME	NO./TYPE CONTAINER(S)	ANALYSIS	PRESERVATION
B1KB51	W06000249S	S	8-16-06	1000	4X60mL aG	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	Cool 4C
B1KB51		S			4X60mL G	TPH-Diesel Range - WTPH-D {TPHKEROSEN}	Cool 4C
B1KB51		S			1X500mL Square Bottle - Poly	SEE ITEM (2) IN SPECIAL INSTRUCTIONS	None
B1KB51		S			4X60mL G/P	Isotopic Plutonium {Pu-238, Pu-239/240} Isotopic Uranium {U-233/234, U-235, U-238} Americium-241 {Am-241}	None
B1KB51		S			4X60mL G/P	Strontium-89,90 -- Sr-90 {Sr-90}	None
B1KB51		S			4X60mL G/P	Technetium-99 {Tc-99}	None
B1KB51		S			4X60mL G/P	Neptunium-237 {Np-237}	None

CHAIN OF POSSESSION		SIGN/ PRINT NAMES		SPECIAL INSTRUCTIONS
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS
JG Hogan	1920 8-16-06	Victor Binns	8/16/06 1920	
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	

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			R06-013-015	PAGE 2 OF 3
COLLECTOR HOGAN, JG	**COMPANY CONTACT** TRECHTER, JE	**TELEPHONE NO.** 373-7046	**PROJECT COORDINATOR** TRECHTER, JE	**PRICE CODE** 8C **AIR QUALITY**	**DATA TURNAROUND** 7 DAYS ~~15 Days~~ JH 8-16-06
SAMPLING LOCATION 200-W-42	**PROJECT DESIGNATION** 200-UW-1 Operable Unit, Soil from Trench between 216-U-8 and 216-U-12		**SAF NO.** R06-013		
ICE CHEST NO.	**FIELD LOGBOOK NO.** DTS-SAWS-H	**COA** 121600ES20	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE		
SHIPPED TO Waste Sampling & Characterization	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

ICET
Initial
8/16/06 Date

SPECIAL INSTRUCTIONS

Reporting format the same as GPP, including QC. All samples, except VOAs, have been taken using the multiple-increment sampling program. This requires the entire sample provided in each bottle to be used in analysis. VOAs will be analyzed as usual.
(1)Semi-VOA -- 8270A (Add-On) {124TRMEBEN, 2-NAPHTHAM, 2BUTOXETOL, BENZALC, CYCHEXN, DECANE, MCRESOL, METHYLPHEN, PYRIDINE, TRIBUPH} Semi-VOA - 8270A (TCL) {12DICLBENZ, 13DICLBENZ, 14DICLBENZ, 245TRCLPHN, 246TRCLPHN, 24DICLPHEN, 24DIMET, 24DINITOLU, 26DINITOLU, 2CLMEETHER, 2MENAPH, 2METHPH, 2NITRAN, 2NITRPH, 3NITRAN, 46DINIT, 4CHLOET, 9H-CARB, ACENAPH, ACENATL, ANTHRACENE, BENZAAN, BENZBFL, BENZOPE, BENZOPY, BIS2CHE, BIS2CHM, BIS2EPH, BNZKFLU, BROPHEN, BUTBENP, CHLANIL, CHLCRES, CHLNAPH, CHLPHEN, CHRYSENE, DIBAHAN, DIBENFR, DIBPHTH, DICHBEN, DIEPHTH, DIMPHTH, DINPHEN, DIOPHTH, DIPRNIT, FLUORAN, FLUORENE, HEXCBEN, HEXCBUT, HEXCCYC, HEXCETH, INDENOP, ISOPHORONE, NAPHTHA, NITBENZ, NITPHENOL, NITRANILIN, NNDIPHA, PENTCHP, PHENANT, PHENOL, PYRENE, TRICHLB}
(2)Gamma Spec - Add-on {Ac-228, Ba-133, Ce-144, Ce/Pr-144, Cm-244, Cs-134, K-40, Nb-94, Ra-228, Ru-103, Sb-125, Sn-113, Sn-125, Sn-126, Th-228, Th-232, U-235, U-238, Zn-65} Gamma Spectroscopy {Am-241, Co-58, Co-60, Cs-137, Eu-152, Eu-154, Eu-155, Fe-59, Ra-226, Ru-106}

A-6001-774

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	R06-013-015	PAGE 3 OF 3

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 8C	DATA TURNAROUND
HOGAN, JG	TRECHTER, JE	373-7046	TRECHTER, JE	AIR QUALITY	~~7 DAYS 15 Days~~ 7 DAYS ~~15 Days~~ 8-16-06
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**		
200-W-42	200-UW-1 Operable Unit, Soil from Trench between 216-U-8 and 216-U-12		R06-013		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**COA**	**METHOD OF SHIPMENT**		
	DTS-SAWS	121600ES20	GOVERNMENT VEHICLE		
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**		
Waste Sampling & Characterization	N/A		N/A		

Initial
8/16/06 Date

MATRIX*
OL = OTHER LIQUID
OS = OTHER SOLID
S = SOIL
W = WATER

SPECIAL HANDLING AND/OR STORAGE

POSSIBLE SAMPLE HAZARDS/ REMARKS

SAMPLE NO.	LAB ID	MATRIX*	SAMPLE DATE	SAMPLE TIME	NO./TYPE CONTAINER(S)	ANALYSIS	PRESERVATION
B1KB51		S	8-16-06	1000	4X60mL G/P	IC Anions - 300.0 {BROMIDE, CHLORIDE, FLUORIDE, NO2-N, NO3-N, PO4-P, SULFATE}	None
B1KB51		S			4X60mL G/P	ICP Metals - 6010A (Add-on) {B, Bi, La, Li, Si, Sm, Ti} ICP Metals - 6010A (TAL) {Al, Ca, Fe, K, Mg, Na}	Cool 4C
B1KB51		S			4X60mL G/P	SEE ITEM (3) IN SPECIAL INSTRUCTIONS	None

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JG HOGAN J Hogan	8-16-06 1920	Victor Bins	8/16/06 1920
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

Reporting format the same as GPP, including QC. All samples, except VOAs, have been taken using the multiple-increment sampling program. This requires the entire sample provided in each bottle to be used in analysis. VOAs will be analyzed as usual.
(3)ICP/MS - 200.8 (Add-on) {As, Be, Mo, Pb, Se, Sn, Sr, Tl, U} ICP/MS - 200.8 (TAL) {Ag, Ba, Cd, Co, Cr, Cu, Mn, Ni, Sb, V, Zn} ICP/MS - 200.8 (Hg) {Hg} Isotopic Thorium {Th-232}

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME