

RECEIVED JULY 10, 2008

Lionville Laboratory, Inc.
BNA ANALYTICAL DATA PACKAGE FOR
TNUHANFORD F08-031 H3738

DATE RECEIVED: 05/16/08

LVL LOT # :0805L130

CLIENT ID	LVL #	MTX	PREP #	COLLECTION	EXTR/PREP	ANALYSIS
B1VDW3	006	S	08LE0247	05/13/08	05/20/08	05/28/08
B1VDW3	006 MS	S	08LE0247	05/13/08	05/20/08	05/28/08
B1VDW3	006 MSD	S	08LE0247	05/13/08	05/20/08	05/28/08

LAB QC:

SBLKUZ	MB1	S	08LE0247	N/A	05/20/08	05/27/08
SBLKUZ	MB1 BS	S	08LE0247	N/A	05/20/08	05/27/08

000000001



Case Narrative

Client: TNU-HANFORD F08-031
LVL #: 0805L130
SDG/SAF # H3738 / F08-031

W.O. #: 11343-606-001-9999-00
Date Received: 05-16-2008

SEMIVOLATILE

One (1) soil sample was collected on 05-13-2008.

The sample and its associated QC samples were extracted according to Lionville Laboratory SOPs based on SW 846 method 3540C on 05-20-2008 and analyzed according to criteria set forth in Lionville Laboratory SOPs based on SW 846 Method 8270C for Client Specified Semivolatile target compounds on 05-27,28-2008.

All soil samples are reported on a dry weight basis unless requested by the client, required by the method, or noted otherwise. The following is a summary of QC results accompanying the sample results. Lionville Laboratory Inc (LvLI) certifies that all test results meet the requirements of NELAC except as noted below:

1. Discrepancy from the sample acceptance policy have been recorded on the Sample Receipt Checklist.
2. The sample was extracted and analyzed within required hold time.
3. Non-target compounds were detected but not reported with these samples.
4. All surrogate recoveries were within acceptance criteria.
5. The target compound was not included in the spiking solution, extracts were spiked but these recoveries have minimal impact on the data. A copy of the Sample Discrepancy Report (SDR) has been enclosed.
6. The method blank was below the reporting limit for all target compounds.
7. All initial calibrations associated with this data set were within acceptance criteria.

k:\print\0805-130ks1bna.doc

The results presented in this report relate only to the analytical testing and conditions of the samples at receipt and during storage. All pages of this report are integral parts of the analytical data. Therefore, this report should only be reproduced in its entirety of 17 pages.

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8. All continuing calibration standards analyzed prior to sample extracts were within acceptance criteria.
9. Internal standard area retention time criteria were met.
10. Manual integrations are performed according to SOP QA-125 to produce quality data with the utmost integrity. All manual integrations are required to be technically valid and properly documented. Appropriate technical flags are defined in the Glossary ("Technical Flags For Manual Integration").
11. LvLI is NELAP accredited by the State of Pennsylvania. For a complete listing of accrediting authorities and the corresponding analytes/methods, please contact your Project Manager.
12. I certify, that this sample data package is in compliance with SOW requirements, both technically and for completeness, other than the conditions detailed above. Release of the data, contained in this hard-copy data package, has been authorized, by the Laboratory Manager or a designee, as verified by the following signature.


Iain Daniels
Laboratory Manager
Lionville Laboratory Incorporated

6/15/08
Date

GLOSSARY

DATA QUALIFIERS

- U = Compound was analyzed for but not detected. The associated numerical value is the estimated sample quantitation limit which is included and corrected for dilution and percent moisture.
- J = Indicates an estimated value. This flag is used under the following circumstances: 1) when estimating a concentration for tentatively identified compounds (TICs) where a 1:1 response is assumed; or 2) when the mass spectral data indicate the presence of a compound that meets the identification criteria but the result is less than the specified detection limit but greater than zero. For example, if the limit of detection is 10 ug/L and a concentration of 3 ug/L is calculated, it is reported as 3J.
- B = This flag is used when the analyte is found in the associated blank as well as in the sample. It indicates possible/probable blank contamination. This flag is also used for a TIC as well as for a positively identified TCL compound.
- E = Indicates that the compound was detected beyond the calibration range and was subsequently analyzed at a dilution.
- D = Identifies all compounds identified in an analysis at a secondary dilution factor.
- I = Interference.
- NQ = Result qualitatively confirmed but not able to quantify.
- A = Indicates that a TIC is a suspected aldol-condensation product.
- N = Indicates presumptive evidence of a compound. This flag is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It is applied to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the N code is not used.
- X = This flag is used for a TIC compound which is quantified relative to a response factor generated from a daily calibration standard (rather than quantified relative to the closest internal standard).
- Y = Additional qualifiers used as required are explained in the case narrative.

GLOSSARY

ABBREVIATIONS

- BS = Indicates blank spike in which reagent grade water is spiked with the CLP matrix spike solutions and carried through all the steps in the method. Spike recoveries are reported.
- BSD = Indicates blank spike duplicate.
- MS = Indicates matrix spike.
- MSD = Indicates matrix spike duplicate.
- DL = Suffix added to sample number to indicate that results are from a diluted analysis.
- NA = Not Applicable.
- DF = Dilution Factor.
- NR = Not Required.
- SP, Z = Indicates Spiked Compound.

TECHNICAL FLAGS FOR MANUAL INTEGRATION

Manual quan modifications or integrations are performed routinely to improve the data quality for a variety of technical reasons. Documentation of these modifications should be clear and concise. The following "flags" are used to indicate the technical reasons for quan modifications:

- MP - Missed Peak: manually added peak not found by automatic quan program.
- PA - Peak Assignment: quan report was changed to reflect correct peak assignment.
- RI - Routine Integration: routine integrations are performed for some analytes that are consistently integrated improperly by the automatic integration programs. Examples are the dichlorobenzene isomers on the VOA packed column and benzo(b)fluoranthene/benzo(k)fluoranthene which are poorly resolved on the BNA column.
- SP - Split Peak: the automatic integration improperly split the peak; a manual integration was performed to get the correct area.
- CB - Coelution/Background: peak was manually integrated to eliminate contribution from coeluting compounds, background signal, or other interference.
- PI - Proper Integration: a peak with poor or inconsistent integration (e.g., excessive tail) was properly integrated manually.

Cust ID: **B1VDW3** **B1VDW3** **B1VDW3** **SBLKUZ** **SBLKUZ BS**
 RFW#: **006** **006 MS** **006 MSD** **08LE0247-MB1** **08LE0247-MB1**
 Matrix: **SOIL** **SOIL** **SOIL** **SOIL** **SOIL**
 D.F.: **1.00** **1.00** **1.00** **1.00** **1.00**
 Units: **ug/Kg** **ug/Kg** **ug/Kg** **ug/Kg** **ug/Kg**

Surrogate	2-Fluorobiphenyl	Terphenyl-d14	Tributylphosphate							
Nitrobenzene-d5	59	%	50	%	40	%	72	%	62	%
2-Fluorobiphenyl	57	%	62	%	54	%	71	%	77	%
Recovery	64	%	75	%	64	%	76	%	88	%
Tributylphosphate	340	U	340	U	340	U	330	U	330	U

* = Outside of EPA CLP QC limits.

COLLECTOR
NCO Sampler *Kauze, Rosane, McIntyre*

COMPANY CONTACT
TRENT, SI

TELEPHONE NO.
373-5869

PROJECT COORDINATOR
WIDRIG, DL

F08-031-182
PRICE CODE 8N
AIR QUALITY
DATA TURNAROUND 45 Days / 45 Days

SAMPLING LOCATION
C6743, I-004-SP
AFS-04-032

PROJECT DESIGNATION
216-B-55 Supplemental Characterization

FIELD LOGBOOK NO.
HAF-N-5831

ACTUAL SAMPLE DEPTH
27.5' - 30'

SAF NO.
F08-031

METHOD OF SHIPMENT
FEDERAL EXPRESS

ICE CHEST NO.
AFS-04-032

FIELD LOGBOOK NO.
HAF-N-5831

ACTUAL SAMPLE DEPTH
27.5' - 30'

COA
1230551278

BILL OF LADING/AIR BILL NO.
SEE PTR

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

PRESERVATION
Cool-4C
MEOH/Cool-4C

NO. OF CONTAINER(S)
5

VOLUME
40mL

SPECIAL HANDLING AND/OR STORAGE
Radioactive The To: B1VD16 or B1TFM6

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

TYPE OF CONTAINER
3GS*

NO. OF CONTAINER(S)
3

VOLUME
40mL

SPECIAL ANALYSIS
SEE ITEM (1) IN SPECIAL INSTRUCTIONS
SEE ITEM (2) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME	✓	✓										
B1VDW1	SOIL	5-13-08	0735	✓	✓										

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

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	TITLE	DATE/TIME
<i>Memo 5/13/08</i>	5-13-08 0830	<i>B-55 site Ref</i>	5-13-08 0830					SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS	
<i>B-55 site Ref</i>	5/14/08 1100	<i>Memo 5/14/08</i>	5/14/08 1100						
<i>Memo 5/14/08</i>	5/14/08 1230	<i>Memo 5/14/08</i>	5/14/08 1230						
<i>Memo 5/15/08</i>	5-15-08 1100	<i>Donnally Ref</i>	5-15-08 1100						
<i>Donnally Ref</i>	5-15-08 1300	<i>Fed Ex</i>							
<i>Fed Ex</i>	5-16-08 0855	<i>Memo 5/16/08</i>	5-16-08 0855						

LABORATORY SECTION RECEIVED BY _____ DATE/TIME _____

FINAL SAMPLE DISPOSITION DISPOSAL METHOD _____ DATE/TIME _____

Fluor Hanford Inc.		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST		F08-031-182	PAGE 2 OF 2
COLLECTOR	NCO Sampler <i>Krusz, Roscoe, McIntyre</i>	COMPANY CONTACT	TRENT, SJ	TELEPHONE NO.	373-5869
SAMPLING LOCATION	C6743, I-004-SP	PROJECT DESIGNATION	216-B-55 Supplemental Characterization		
ICE CHEST NO.		FIELD LOGBOOK NO.	<i>52</i>	ACTUAL SAMPLE DEPTH	<i>27.5' - 30'</i>
SHIPPED TO	Lionville Laboratory Incorporated	OFFSITE PROPERTY NO.	SEE PTR		
		PROJECT COORDINATOR	WIDRIG, DL	SAF NO.	F08-031
		PRICE CODE	8N	AIR QUALITY	<input type="checkbox"/>
				METHOD OF SHIPMENT	FEDERAL EXPRESS
		COA	1230551278	BILL OF LADING/AIR BILL NO.	SEE PTR

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.
 ** Analytical batch QC must be run on a sample associated with this SAF.
 ** All VOA samples will be collected using EPA Method 5035A.
 ** VOA sample bottle sets will include 3 bottles for high level analysis, 5 bottles for low level analysis, and 1 methanol process control sample.
 ** VOA bottles will be labeled with an appended suffix of K, L, M, N, or P for low level and W, X, or Y for high level. These suffixes are for the purpose of providing bottle weights to the laboratories. These suffixes should not be include as part of the sample ID reported in the final data packages.
 (1)VOA - 5035/8260 (LOW LEVEL); VOA - 5035/8260 (LOW LEVEL) - (Add-On) {Acetonitrile, Hexane, Tetrahydrofuran}
 (2)VOA - 5035/8260 (HIGH LEVEL); VOA - 5035/8260 (HIGH LEVEL) - (Add-On) {Acetonitrile, Hexane, Tetrahydrofuran}

000000011

COLLECTOR: NCO Sampler **KAUER ROSANEMETI**
 COMPANY CONTACT: TRENT SJ 373-5869
 PROJECT DESIGNATION: 216-B-55 Supplemental Characterization
 TELEPHONE NO.: 373-5869
 PROJECT COORDINATOR: WIDRIG, DL
 PRICE CODE: 8N
 DATA TURNAROUND: 45 Days / 45 Days
 AIR QUALITY:

ICE CHEST NO.: **AFS-04-032**
 FIELD LOGBOOK NO.: **Ag 2**
 ACTUAL SAMPLE DEPTH: **27.5' - 30'**
 COA: 1230551278
 METHOD OF SHIPMENT: FEDERAL EXPRESS

SHIPPED TO: Lionville Laboratory Incorporated
 OFFSITE PROPERTY NO.:
 BILL OF LADING/AIR BILL NO.:
 SEE PTR

MATRIX*	POSSIBLE SAMPLE HAZARDS/ REMARKS	PRESERVATION	TYPE OF CONTAINER	NO. OF CONTAINER(S)	VOLUME	SAMPLE ANALYSIS	SPECIAL HANDLING AND/OR STORAGE
A=Air DL=Drum L=Liquid DS=Drum S=Soil	Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)	Cool-4C	ag	1	120ml	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	Relocative To To: B1VD16 or B1T1M5
L=Liquid O=Oil SE=Sediment T=Tissue V=Vegetation W=Water WI=Wipe X=Other		Cool-4C	ag	1	120ml	SEE ITEM (2) IN SPECIAL INSTRUCTIONS	
		Cool-4C	ag	1	120ml	PCBs - 8082;	
		None	G/P	1	120ml	SEE ITEM (3) IN SPECIAL INSTRUCTIONS	
		Cool-4C	G	1	120ml	Sulfides - 9030 (Sulfide)	

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME	SPECIAL INSTRUCTIONS
B1VDW3	SOIL	5-13-08	0735	✓

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	SPECIAL INSTRUCTIONS
APRILIA/AGNY	5-13-08 0830	B-S5 site Ref 5-13-08	0830	** The 200 Area S8GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF. ** Analytical batch QC must be run on a sample associated with this SAF. (1) Semi-VOA - 8270B (Add-On) (1,2,4-Trimethylbenzene, Tributyl phosphate) (2) TPH-Diesel Range - WTPH-D (Total petroleum hydrocarbons - diesel range, Total petroleum hydrocarbons - kerosene range) (3) ICP Metals - 6010B (Supertrace) {Arsenic, Barium, Cadmium, Chromium, Lead, Selenium, Silver} ICP Metals - 6010B (Supertrace Add-On) {Beryllium, Copper, Nickel, Zinc} Mercury - 7471 - (CV);
B-S5 site Ref	5/14/08 1100	APRILIA/AGNY	5/14/08 1100	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	
APRILIA/AGNY	5/14/08 1230	MO TIS Refor	5/14/08 1230	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	
MO TIS Refor	5-15-08 1100	D Annally	5-15-08 1100	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	
D Annally	5-15-08 1300	Fed Ex		
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	
Fed Ex	5-16-08 0855	APRILIA/AGNY	5-16-08 0855	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	
Fed Ex				

LABORATORY SECTION: RECEIVED BY: DATE/TIME: TITLE: DATE/TIME:

FINAL SAMPLE DISPOSITION: DISPOSAL METHOD: DISPOSED BY: DATE/TIME:

COLLECTOR: NCO Sampler *Klaus, Rosane, McIntyre*

COMPANY CONTACT: TRENT SJ, 373-5869

PROJECT COORDINATOR: WIDRIG, DL

PRICE CODE: 8N

DATA TURNAROUND: 45 Days / 45 Days

SAMPLING LOCATION: 66743, 1-004-SP

PROJECT DESIGNATION: 216-B-55 Supplemental Characterization

SAF NO.: F08-031

AIR QUALITY:

METHOD OF SHIPMENT: FEDERAL EXPRESS

ICE CHEST NO.: *AFS-04.032*

FIELD LOGBOOK NO.: *44NF-N-583-1* Pg 2

ACTUAL SAMPLE DEPTH: *27.5' - 30'*

COA: 1230551278

SHIPPED TO: Llonville Laboratory Incorporated

OFFSITE PROPERTY NO.: SEE PTR

BILL OF LADING/AIR BILL NO.: SEE PTR

MATRIX*	POSSIBLE SAMPLE HAZARDS/ REMARKS	PRESERVATION	TYPE OF CONTAINER	NO. OF CONTAINER(S)	VOLUME	SPECIAL ANALYSIS	SPECIAL INSTRUCTIONS
A=Air DI=Drum Liquids DS=Drum Solids L=Liquid O=Oil S=Soil SE=Sediment T=Tissue V=Vegetation W=Water WI=Wipe X=Other	Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)	Cool-4C	8GS*	1	40mL	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME	DATE/TIME															
B1VDW2	SOIL	5-13-08	0735	✓	✓														

CHAIN OF POSSESSION	RECEIVED BY/STORER IN	DATE/TIME	SIGN/ PRINT NAMES	RECEIVED BY/STORER IN	DATE/TIME	SPECIAL INSTRUCTIONS
RELINQUISHED BY/REMOVED FROM	<i>AMMETER/ADAT</i>	5-13-08 0830		<i>B-55 site ROF</i>	5-13-08 0810	** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF. ** Analytical batch QC must be run on a sample associated with this SAF. ** All VOA samples will be collected using EPA Method 5035A. (1)VOA - 5035/8260 (TCL); VOA - 5035/8260 - (Add-On) {Acetonitrile, Hexane, Tetrahydrofuran}
RELINQUISHED BY/REMOVED FROM	<i>B-55 site ROF</i>	5-14-08 1100		<i>HEWBAKER/ADAT</i>	5/14/08 1100	
RELINQUISHED BY/REMOVED FROM	<i>HEWBAKER/ADAT</i>	5/14/08 1250		<i>MO TYS KOTER</i>	5/14/08 1250	
RELINQUISHED BY/REMOVED FROM	<i>MO TYS ROF 1</i>	5-15-08 1100		<i>Dannolds Oly</i>	5-15-08 1100	
RELINQUISHED BY/REMOVED FROM	<i>Dannolds Oly</i>	5-15-08 1300		<i>Fel Ex</i>		
RELINQUISHED BY/REMOVED FROM	<i>Fel Ex</i>	5-16-08 0955		<i>RECEIVED BY/STORER IN</i>	5-16-08 0955	
RELINQUISHED BY/REMOVED FROM	<i>RECEIVED BY/STORER IN</i>	5-16-08 0955		<i>RECEIVED BY/STORER IN</i>	5-16-08 0955	
RELINQUISHED BY/REMOVED FROM	<i>RECEIVED BY/STORER IN</i>	5-16-08 0955		<i>RECEIVED BY/STORER IN</i>	5-16-08 0955	
RELINQUISHED BY/REMOVED FROM	<i>RECEIVED BY/STORER IN</i>	5-16-08 0955		<i>RECEIVED BY/STORER IN</i>	5-16-08 0955	
RELINQUISHED BY/REMOVED FROM	<i>RECEIVED BY/STORER IN</i>	5-16-08 0955		<i>RECEIVED BY/STORER IN</i>	5-16-08 0955	

LABORATORY SECTION: RECEIVED BY: DATE/TIME: TITLE: DATE/TIME:

FINAL SAMPLE DISPOSITION: DISPOSAL METHOD: DATE/TIME: DATE/TIME:

COLLECTOR NCO Sampler: <i>Kauer, Rosane McIntyre</i>	COMPANY CONTACT TRENT, SJ	TELEPHONE NO. 373-5869	PROJECT COORDINATOR WIDRIG, DL	PRICE CODE 8N	DATA TURNAROUND 45 Days / 45 Days
SAMPLING LOCATION C6743, I-003 1	PROJECT DESIGNATION 216-B-55 Supplemental Characterization			AIR QUALITY <input type="checkbox"/>	
ICE CHEST NO. AFS-04-032	FIELD LOGBOOK NO. HNF-N-583-1	ACTUAL SAMPLE DEPTH 17.3 to 19.8'	COA 1230551278	METHOD OF SHIPMENT FEDERAL EXPRESS	
SHIPPED TO Lionville Laboratory Incorporated	OFFSITE PROPERTY NO. SEE PTR		BILL OF LADING/AIR BILL NO. SEE PTR		

MATRIX*	POSSIBLE SAMPLE HAZARDS/ REMARKS Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)	PRESERVATION	TYPE OF CONTAINER	NO. OF CONTAINER(S)	VOLUME	SAMPLE ANALYSIS	
						COOLANT	SEE ITEM (1) IN SPECIAL INSTRUCTIONS
A=Air DL=Drum Liquids DS=Drum Solids L=Liquid O=Oil S=Soil SE=Sediment T=Tissue V=Vegetation W=Water WI=Wipe X=Other						Chromium Hex - 7196	SEE ITEM (1) IN SPECIAL INSTRUCTIONS
SPECIAL HANDLING AND/OR STORAGE Radioactive Tie To: B1VD1Z or B1TFM4							

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME	DATE/TIME	DATE/TIME	DATE/TIME	DATE/TIME
B1VD15	SOIL	05-12-08	1310	✓	✓		

CHAIN OF POSSESSION		SIGN/ PRINT NAMES		SPECIAL INSTRUCTIONS	
REINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	** TestAmerica St. Louis is the primary lab for all chemical analyses with the exception of Anions by method 300.0 ** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF. ** Analytical batch QC must be run on a sample associated with this SAF. (1)IC Anions - 300.0 (Fluoride, Nitrate, Nitrite, Sulfate)	
<i>Ed Kauer / Ed O'Brien</i>	5-12-08 1355	<i>B-55 - Site</i>	REF 5-12-08 1355		
<i>B-55 - Site</i>	REF 5-14-08 1100	<i>Ed Kauer / Ed O'Brien</i>	5-14-08 1100		
<i>Ed Kauer / Ed O'Brien</i>	5-14-08 12:30	<i>M0745</i>	REF 5-14-08 12:30		
<i>M0745</i>	REF 3	<i>Dorothy O'Brien</i>	5-15-08 1100		
<i>Dorothy O'Brien</i>	5-15-08 1300	<i>Felix</i>	5-15-08 1300		
<i>Felix</i>	5-16-08 0958	<i>Ed Kauer / Ed O'Brien</i>	5-16-08 0955		

LABORATORY SECTION	RECEIVED BY	DATE/TIME	DISPOSED BY	DATE/TIME
FINAL SAMPLE DISPOSITION				

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-031-172

PAGE 1 OF 1

COLLECTOR
NCO Sampler *Kassie Rosare, McIntyre*

COMPANY CONTACT
TRENT, SJ

TELEPHONE NO.
373-5869

PROJECT COORDINATOR
WDRIG, DL

PRICE CODE
8N

DATA
TURNAROUND
45 Days / 45 Days

SAMPLING LOCATION
C6743, 1-004

PROJECT DESIGNATION
216-B-55 Supplemental Characterization

FIELD LOGBOOK NO.
HNF-N-583-1

SAF NO.
F08-031

AIR QUALITY

METHOD OF SHIPMENT
FEDERAL EXPRESS

ICE CHEST NO.

AFS-04-032

ACTUAL SAMPLE DEPTH
27.5' - 30'

COA
123055E520

BILL OF LADING/AIR BILL NO.
SEE PTR

SHIPPED TO
Lionville Laboratory Incorporated

OFFSITE PROPERTY NO.
SEE PTR

MATRIX*
A=Air
DL=Drum
Liquids
DS=Drum
L=Liquid
O=Oil
S=Sediment
T=Tissue
V=Vegetation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

PRESERVATION
Cool-4C

TYPE OF CONTAINER
G/P

NO. OF CONTAINER(S)
1

VOLUME
120ml

SPECIAL HANDLING AND/OR STORAGE
Radioactive Tie To: B1VDT6 or B1TFM2

SAMPLE ANALYSIS
Chromium Hex. 7196; SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME	DATE/TIME	DATE/TIME	TITLE	DATE/TIME
B1VDT9	SOIL	5-13-08	0735	✓	✓		

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

SPECIAL INSTRUCTIONS

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
<i>AR Melville Laboratory</i>	5-13-08 0830	<i>B-55 site Ref</i>	5-13-08 0830
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
<i>B-55 site Ref</i>	5/14/08 1100	<i>Melville Laboratory</i>	5/14/08 1100
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
<i>Melville Laboratory</i>	5/14/08 1230	<i>M0745 Ref</i>	5/14/08 1230
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
<i>M0745 Ref</i>	5-15-08 1100	<i>Dannolly Oby</i>	5-15-08 1100
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
<i>Dannolly Oby</i>	5-15-08 1300	<i>Ref EX</i>	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
<i>Ref EX</i>	5-16-08 0955	<i>Ref EX</i>	5-16-08 0955
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
<i>Ref EX</i>	5-16-08 0955	<i>Ref EX</i>	5-16-08 0955

** Lionville is the primary laboratory for Chrome VI and anions analyses.
 ** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.
 ** Analytical batch QC must be run on a sample associated with this SAF.
 (1)IC Anions - 300.0 {Fluoride, Nitrate, Nitrite, Sulfate}

COLLECTOR
NCO Sampler *Kayla Rosare McIntyre*

COMPANY CONTACT
TRENT, SJ

TELEPHONE NO.
373-5869

PROJECT COORDINATOR
WDRIG, DL

PRICE CODE 8N

DATA TURNAROUND
45 Days / 45 Days

SAMPLING LOCATION
66743, 1-005

PROJECT DESIGNATION
216-B-55 Supplemental Characterization

SAF NO.
F08-031

AIR QUALITY

ICE CHEST NO.
AKS-04-032

FIELD LOGBOOK NO.
14NF-N-583-1

ACTUAL SAMPLE DEPTH
P52 47.8' - 50.3'

COA
1230551278

METHOD OF SHIPMENT
FEDERAL EXPRESS

SHIPPED TO
Lionville Laboratory Incorporated

OFFSITE PROPERTY NO.
SEE PTR

BILL OF LADING/AIR BILL NO.
SEE PTR

MATRIX*
A=Air
DL=Drum
Liquids
DS=Drum
Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Issue
V=Vegetation
W=Water
W=M-Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

PRESERVATION	COOLING	COOLING
Cooling	-4C	-4C
TYPE OF CONTAINER	G/P	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	120ml	120ml
SAMPLE ANALYSIS	Chromium Hex - 7196	SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME	DATE/TIME						
B1VDV5	SOIL	5-13-08	1000	✓	✓					

REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
AR McIntyre / <i>AR</i>	5-13-08 1045	B-SS site Ref	5-13-08 1045	AR McIntyre / <i>AR</i>	5-13-08 1045	B-SS site Ref	5-13-08 1045
B-SS site Ref / <i>AR</i>	5/14/08 1100	RECEIVED BY/STORED IN	5/14/08 1100	B-SS site Ref / <i>AR</i>	5/14/08 1100	RECEIVED BY/STORED IN	5/14/08 1100
ARMSTRONG / <i>AR</i>	5/14/08 1230	MD 745 Ref #1	5/14/08 1230	ARMSTRONG / <i>AR</i>	5/14/08 1230	MD 745 Ref #1	5/14/08 1230
MD 745 Ref / <i>AR</i>	5-15-08 1100	DGanne / <i>AR</i>	5-15-08 1100	MD 745 Ref / <i>AR</i>	5-15-08 1100	DGanne / <i>AR</i>	5-15-08 1100
REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
DGanne / <i>AR</i>	5-15-08 1300	RECEIVED BY/STORED IN	5-15-08 1300	DGanne / <i>AR</i>	5-15-08 1300	RECEIVED BY/STORED IN	5-15-08 1300
REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Feld / <i>AR</i>	5-16-08 0955	RECEIVED BY/STORED IN	5-16-08 0955	Feld / <i>AR</i>	5-16-08 0955	RECEIVED BY/STORED IN	5-16-08 0955

LABORATORY SECTION RECEIVED BY

FINAL SAMPLE DISPOSITION DISPOSAL METHOD

TITLE DATE/TIME

DISPOSED BY DATE/TIME

Lionville Laboratory Incorporated
SAMPLE RECEIPT CHECKLIST (SRC)

CLIENT: TNU HANFORD
 Project SAB/SOW/Release #: F08-031

Date: 5/16/08

LvLI Batch #: 0805L130

Sample Custodian: [Signature]

NOTE: EXPLAIN ALL DISCREPANCIES

1. Samples Hand Delivered or <u>Shipped?</u>	Carrier <u>Fed Ex</u>	Airbill # <u>7920 5748 0372</u>
2. Custody Seals on coolers or shipping containers intact, signed & dated?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> No Seals
3. Outside of coolers or shipping containers are free from damage?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No <i>Comments:</i>
4. All expected paperwork received (coc & other client specific information) sealed in plastic bag and easily accessible?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
5. Samples received cooled or ambient?	Temp <u>4.1°</u> °C	Cooler # <u>AFS-04-032</u>
How was the temperature taken?	<input checked="" type="checkbox"/> IR	<input type="checkbox"/> Temp. Blank <input type="checkbox"/> Other (Specify):
Is the Temp. Criteria met for these samples? (Hg in soils @ 4°C)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
6. Custody seals on sample containers intact, signed and dated?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> No Seals
7. COC (Client & LvLI) signed & dated?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
8. Sample containers are intact?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
9. All samples on COC received? All samples received on COC?	<input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> No
10. All sample label information matches COC?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No <u>#005 Coc Soil soil as liquid</u> <u>#006 THREE TEST for Samples</u> <u>not checked of in Coc</u>
11. Samples properly preserved? (If #5 is no, then this is no.)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
12. Samples received within hold times? Short holds taken to wet lab?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> N/A
13. VOA, TOC, TOX free of headspace?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> N/A
14. QC stickers placed on bottles designated by client?	<input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> N/A
15. Shipment meets LvLI Sample Acceptance Policy? (Identify all bottles that do not meet the policy, which is on the reverse of this page.)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
16. Project Manager contacted concerning any discrepancies? Person Contacted <u>O. JOHNSON</u>	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> N/A
		Date <u>5/16/08</u>

