Rev. 4

STL

STL St. Louis
13715 Rider Trail North
Earth City, MO 63045

Tel: 314 298 8566 Fax: 314 298 8757
www.stl-inc.com

ANALYTICAL REPORT

REVISED

F07-001

Lot #: F6L140269
SDG #: W05077

JUL 2007
RECEIVED

Steve Trent

Fluor Hanford Inc
PO Box 1000 T6-03
Richland, WA 99352

TESTAMERICA LABORATORIES, INC. (FKA STL)

Michael Frank
FOR
Brian O'Donnell
Project Manager

April 26, 2007

REVISED
R. Dwyer
7/27/07

Leaders in Environmental Testing

Case Narrative
Lot Number: **F6L140269**
SDG: W05077
Revised 04/26/07

This report contains the analytical results for the four samples received under chain of custody by STL St. Louis on December 13 and December 15, 2006. These samples are associated with your F07-001 project.

2/21/07 – This is a revised report. Sample F6L140269 (2) is not included in this report as it is a methanol blank not required to be reported.

4/10/07 – This report has been revised. Sample F6L140269 (3) is not included in this report. Client had instructed to not analyze or report high level volatile analysis sample and methanol blank if dilutions were not required for low level volatile analysis. Dilution was indeed not required for the low-level volatile analysis and the methanol blank and high level volatile analysis sample should not have been included in the analytical report.

4/26/07 – This report has been revised. The volatiles by 8260B analytical results for sample F6L140269 (1) are not included in this report. The analysis was not requested by the client yet was analyzed and reported by mistake in the original report.

7/12/07 – This report has been revised to include MDLs.

The analytical results included in this report meet all applicable quality control procedure requirements except as noted below.

The test results in this report meet all NELAP requirements for parameters in which accreditations are held by STL St. Louis. Any exceptions to NELAP requirements are noted in the case narrative. The case narrative is an integral part of this report.

All chemical analysis results are based upon sample as received, wet weight, unless noted otherwise. All radiochemistry results are based upon sample as dried and ground with the exception of tritium, unless requested wet weight by the client.

Observations/Nonconformances
Reference the chain of custody and condition upon receipt report for any variations on receipt conditions and temperature of samples on receipt.

Volatiles by SW846 8260B

Batches: 6361305, 6361306
The CCV recovery was outside the upper QC limit (greater than 60% RSD) for n-Hexane (149%) and n-Butanol (233%) indicating a potential high bias for these analytes in the samples associated with this CCV. These analytes were not detected above the reporting limit in the associated samples.

Toluene was observed in the method blank above the reporting limit. Toluene was not detected above the reporting limit in the associated samples.

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The LCS recoveries are outside QC limits for less than 10% of the compounds spiked. Laboratory QC practices, based on federal guidance documents, allow for up to 10% of the spike compounds to be outside QC criteria without necessitating re-preparation/re-analysis. Sample purge efficiency and compliance is demonstrated by the remaining acceptable LCS recoveries.

The MS recoveries are outside QC limits for less than 10% of the compounds spiked. Laboratory QC practices, based on federal guidance documents, allow for up to 10% of the spike compounds to be outside QC criteria without necessitating re-preparation/re-analysis. Sample purge efficiency and compliance is demonstrated by the remaining acceptable MS recoveries.
Affected Samples:
F6L140269 (4): B1L5N5

Semivolatiles by SW846 8270C

The LCS recoveries are outside QC limits for less than 10% of the compounds spiked. Laboratory QC practices, based on federal guidance documents, allow for up to 10% of the spike compounds to be outside QC criteria without necessitating re-preparation/re-analysis. Sample extraction efficiency and compliance is demonstrated by the remaining acceptable LCS recoveries.

In the MS/MSD, the recovery for 4,6-Dinitro-2-methylphenol is below the lower QC limit (and the RPD is outside the QC limit) and 2,4-Dinitrophenol recovered less than 10%. These compounds are not target compounds.
Affected Samples:
F6L140269 (1): B1L5N6

TPH Volatiles by SW846 8015 MOD

The associated sample was analyzed outside of holding time.
Affected Samples:
F6L140269 (1): B1L5N6

ICP-Metals by SW846 6010B

The MS/MSD recovery for Silver is outside the established QC limits. The RPD is within method acceptance criteria indicating a possible matrix interference. Method performance is demonstrated by acceptable LCS recovery.
Affected Samples:
F6L140269 (1): B1L5N6

Cyanide by SW846 9012A

The MS recovery is outside the established QC limits. Method performance is demonstrated by acceptable LCS recovery.
Affected Samples:
F6L140269 (1): B1L5N6

Hexavalent Chromium by SW846 7196A

The MS recovery is outside the established QC limits. A matrix interference is evident in the sample. Method performance is demonstrated by acceptable LCS recovery.

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Affected Samples:
F6L140269 (1): B1L5N6

Ion Chromatography by SW846 9056A

The sample duplicate %RPD is outside the established QC limits. A matrix interference is physically evident in the sample. Method performance is demonstrated by acceptable LCS recovery.
Affected Samples:
F6L140269 (1): B1L5N6

There were no observations or nonconformances to report for the following analyses:

Extractable Petroleum Hydrocarbons by SW846 8015 MOD
Mercury by SW846 7471A
Oil & Grease by EPA 413.1
PCBs by SW846 8082
pH by SW846 9045C

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METHODS SUMMARY

F6L140269

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
Chloride	SW846 9056A	
Cyanide, Total	SW846 9012A	SW846 9012A
Extractable Petroleum Hydrocarbons	SW846 8015 MOD	SW846 3550
Fluoride	SW846 9056A	
Hexavalent Chromium	SW846 7196A	SW846 3060A
Mercury in Solid Waste (Manual Cold-Vapor)	SW846 7471A	SW846 7471A
Nitrate as N	SW846 9056A	
Nitrite as N	SW846 9056A	
Oil & Grease (Gravimetric)	MCAWW 413.1	
Percent Moisture	MCAWW 160.3 MOD	MCAWW 160.3 MOD
Phosphate, ortho as P	SW846 9056A	
PCBs by SW-846 8082	SW846 8082	SW846 3550B/366
Semivolatile Organic Compounds by GC/MS	SW846 8270C	SW846 3550B
Soil and Waste pH	SW846 9045C	SW846 DI-LEACHA
Sulfate	SW846 9056A	
Trace Inductively Coupled Plasma (ICP) Metals	SW846 6010B	
Volatile Organics by GC/MS	SW846 8260B	SW846 5035
Volatile Petroleum Hydrocarbons	SW846 8015 MOD	SW846 5030

References:

MCAWW "Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, March 1983 and subsequent revisions.

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

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SAMPLE SUMMARY

F6L140269

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
JLG3M	001	B1L5N6	11/30/06	12:30
JLJKE	004	B1L5N5	11/30/06	12:30

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

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Client Sample ID: B1L5N5

GC/MS Volatiles

Lot-Sample #...: F6L140269-004 **Work Order #...:** JLJKE1AA **Matrix.....:** SOLID
Date Sampled...: 11/30/06 12:30 **Date Received..:** 12/15/06
Prep Date.....: 12/15/06 **Analysis Date..:** 12/15/06
Prep Batch #...: 6361305 **Analysis Time..:** 16:03
Dilution Factor: 1
% Moisture.....: 2.3 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
cis-1,2-Dichloroethene	ND	5.1	ug/kg	0.44
trans-1,2-Dichloroethene	ND	5.1	ug/kg	0.23
Acetone	ND	20	ug/kg	3.9
Acetonitrile	ND	51	ug/kg	2.0
Benzene	ND	5.1	ug/kg	0.17
Bromodichloromethane	ND	5.1	ug/kg	0.34
Bromoform	ND	5.1	ug/kg	0.25
Bromomethane	ND	10	ug/kg	0.32
1-Butanol	ND	100	ug/kg	3.5
2-Butanone	ND	20	ug/kg	1.4
n-Butylbenzene	ND	5.1	ug/kg	0.54
Carbon disulfide	ND	5.1	ug/kg	0.56
Carbon tetrachloride	ND	5.1	ug/kg	0.93
Chlorobenzene	ND	5.1	ug/kg	0.13
Dibromochloromethane	ND	5.1	ug/kg	0.29
Chloroethane	ND	10	ug/kg	0.36
Chloroform	ND	5.1	ug/kg	0.15
Chloromethane	ND	10	ug/kg	0.45
Cyclohexanone	ND	100	ug/kg	14
1,1-Dichloroethane	ND	5.1	ug/kg	0.97
1,2-Dichloroethane	ND	5.1	ug/kg	0.45
1,1-Dichloroethene	ND	5.1	ug/kg	0.56
1,2-Dichloroethene (total)	ND	10	ug/kg	0.56
1,2-Dichloropropane	ND	5.1	ug/kg	0.38
cis-1,3-Dichloropropene	ND	5.1	ug/kg	0.75
trans-1,3-Dichloropropene	ND	5.1	ug/kg	0.21
Ethylbenzene	ND	5.1	ug/kg	0.19
n-Hexane	ND	10	ug/kg	0.46
2-Hexanone	ND	20	ug/kg	0.29
Methylene chloride	ND	5.1	ug/kg	2.6
4-Methyl-2-pentanone	ND	20	ug/kg	1.6
Styrene	ND	5.1	ug/kg	1.2
1,1,2,2-Tetrachloroethane	ND	5.1	ug/kg	0.14
Tetrachloroethene	ND	5.1	ug/kg	0.28
Toluene	ND	5.1	ug/kg	0.13
1,1,1-Trichloroethane	ND	5.1	ug/kg	0.15
1,1,2-Trichloroethane	ND	5.1	ug/kg	0.29

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Client Sample ID: B1L5N5

GC/MS Volatiles

Lot-Sample #...: F6L140269-004 **Work Order #...:** JLJKE1AA **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Trichloroethene	ND	5.1	ug/kg	0.37
1,2,4-Trimethylbenzene	ND	5.1	ug/kg	0.22
Vinyl chloride	ND	5.1	ug/kg	0.24
Xylenes (total)	ND	10	ug/kg	0.88

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	106	(59 - 150)
Dibromofluoromethane	106	(26 - 150)
1,2-Dichloroethane-d4	119	(65 - 146)
4-Bromofluorobenzene	110	(39 - 150)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: F6L140269 **Work Order #...:** JL6MK1AA **Matrix.....:** SOLID
MB Lot-Sample #: F6L270000-305

Prep Date.....: 12/15/06 **Analysis Time..:** 15:39
Analysis Date..: 12/15/06 **Prep Batch #...:** 6361305
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acetone	ND	20	ug/kg	SW846 8260B
Acetonitrile	ND	50	ug/kg	SW846 8260B
Benzene	ND	5.0	ug/kg	SW846 8260B
Bromodichloromethane	ND	5.0	ug/kg	SW846 8260B
Bromoform	ND	5.0	ug/kg	SW846 8260B
Bromomethane	ND	10	ug/kg	SW846 8260B
1-Butanol	ND	100	ug/kg	SW846 8260B
2-Butanone	ND	20	ug/kg	SW846 8260B
n-Butylbenzene	ND	5.0	ug/kg	SW846 8260B
Carbon disulfide	ND	5.0	ug/kg	SW846 8260B
Carbon tetrachloride	ND	5.0	ug/kg	SW846 8260B
Chlorobenzene	ND	5.0	ug/kg	SW846 8260B
Dibromochloromethane	ND	5.0	ug/kg	SW846 8260B
Chloroethane	ND	10	ug/kg	SW846 8260B
Chloroform	ND	5.0	ug/kg	SW846 8260B
Chloromethane	ND	10	ug/kg	SW846 8260B
Cyclohexanone	ND	100	ug/kg	SW846 8260B
1,1-Dichloroethane	ND	5.0	ug/kg	SW846 8260B
1,2-Dichloroethane	ND	5.0	ug/kg	SW846 8260B
1,1-Dichloroethene	ND	5.0	ug/kg	SW846 8260B
cis-1,2-Dichloroethene	ND	5.0	ug/kg	SW846 8260B
trans-1,2-Dichloroethene	ND	5.0	ug/kg	SW846 8260B
1,2-Dichloroethene (total)	ND	10	ug/kg	SW846 8260B
1,2-Dichloropropane	ND	5.0	ug/kg	SW846 8260B
cis-1,3-Dichloropropene	ND	5.0	ug/kg	SW846 8260B
trans-1,3-Dichloropropene	ND	5.0	ug/kg	SW846 8260B
Ethylbenzene	ND	5.0	ug/kg	SW846 8260B
n-Hexane	ND	10	ug/kg	SW846 8260B
2-Hexanone	ND	20	ug/kg	SW846 8260B
Methylene chloride	ND	5.0	ug/kg	SW846 8260B
4-Methyl-2-pentanone	ND	20	ug/kg	SW846 8260B
Styrene	ND	5.0	ug/kg	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg	SW846 8260B
Tetrachloroethene	ND	5.0	ug/kg	SW846 8260B
Toluene	**7.1**	**5.0**	**ug/kg**	**SW846 8260B**
1,1,1-Trichloroethane	ND	5.0	ug/kg	SW846 8260B
1,1,2-Trichloroethane	ND	5.0	ug/kg	SW846 8260B
Trichloroethene	ND	5.0	ug/kg	SW846 8260B
1,2,4-Trimethylbenzene	ND	5.0	ug/kg	SW846 8260B
Vinyl chloride	ND	5.0	ug/kg	SW846 8260B

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: F6L140269 **Work Order #...:** JL6MK1AA **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Xylenes (total)	ND	10	ug/kg	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	112	(59 - 150)
Dibromofluoromethane	110	(26 - 150)
1,2-Dichloroethane-d4	124	(65 - 146)
4-Bromofluorobenzene	117	(39 - 150)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: F6L140269 Work Order #...: JL6MK1AC Matrix.....: SOLID
LCS Lot-Sample#: F6L270000-305
Prep Date.....: 12/15/06 Analysis Date..: 12/15/06
Prep Batch #...: 6361305 Analysis Time..: 14:50
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
cis-1,3-Dichloropropene	110	(75 - 129)	SW846 8260B
Dibromochloromethane	103	(69 - 129)	SW846 8260B
Chloromethane	101	(57 - 140)	SW846 8260B
Vinyl chloride	92	(48 - 136)	SW846 8260B
Bromomethane	93	(40 - 140)	SW846 8260B
Chloroethane	103	(57 - 140)	SW846 8260B
Acetone	126	(32 - 140)	SW846 8260B
1,1-Dichloroethene	89	(68 - 127)	SW846 8260B
Methylene chloride	99	(40 - 140)	SW846 8260B
Carbon disulfide	114	(66 - 140)	SW846 8260B
1,1-Dichloroethane	99	(71 - 120)	SW846 8260B
2-Butanone	112	(60 - 140)	SW846 8260B
1,2-Dichloroethene (total)	94	(76 - 122)	SW846 8260B
Chloroform	101	(70 - 120)	SW846 8260B
1,1,1-Trichloroethane	104	(70 - 123)	SW846 8260B
Carbon tetrachloride	105	(66 - 125)	SW846 8260B
1,2-Dichloroethane	111	(71 - 121)	SW846 8260B
Benzene	95	(74 - 119)	SW846 8260B
Trichloroethene	97	(72 - 119)	SW846 8260B
1,2-Dichloropropane	98	(69 - 126)	SW846 8260B
Bromodichloromethane	106	(75 - 122)	SW846 8260B
1,1,2-Trichloroethane	98	(79 - 120)	SW846 8260B
trans-1,3-Dichloropropene	111	(78 - 128)	SW846 8260B
Toluene	115	(66 - 126)	SW846 8260B
2-Hexanone	111	(63 - 136)	SW846 8260B
4-Methyl-2-pentanone	111	(61 - 140)	SW846 8260B
Chlorobenzene	93	(73 - 119)	SW846 8260B
Bromoform	105	(74 - 131)	SW846 8260B
Ethylbenzene	101	(79 - 115)	SW846 8260B
Styrene	104	(83 - 123)	SW846 8260B
1,1,2,2-Tetrachloroethane	100	(71 - 119)	SW846 8260B
Tetrachloroethene	91	(61 - 135)	SW846 8260B
n-Butylbenzene	105	(74 - 128)	SW846 8260B

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: F6L140269 Work Order #...: JL6MK1AC Matrix.....: SOLID
LCS Lot-Sample#: F6L270000-305

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Cyclohexanone	112	(60 - 150)	SW846 8260B
cis-1,2-Dichloroethene	94	(80 - 124)	SW846 8260B
trans-1,2-Dichloroethene	94	(78 - 132)	SW846 8260B
n-Hexane	237 a	(67 - 138)	SW846 8260B
1-Butanol	298 a	(67 - 130)	SW846 8260B
Acetonitrile	108	(69 - 128)	SW846 8260B
m-Xylene & p-Xylene	100	(74 - 126)	SW846 8260B
o-Xylene	104	(75 - 134)	SW846 8260B
1,3-Dichlorobenzene	91	(80 - 115)	SW846 8260B
1,4-Dichlorobenzene	89	(78 - 111)	SW846 8260B
1,2-Dichlorobenzene	92	(72 - 119)	SW846 8260B
Bromobenzene	93	(58 - 131)	SW846 8260B
Bromochloromethane	95	(74 - 122)	SW846 8260B
sec-Butylbenzene	107	(59 - 139)	SW846 8260B
tert-Butylbenzene	106	(54 - 139)	SW846 8260B
Allyl chloride	108	(74 - 135)	SW846 8260B
2-Chlorotoluene	107	(57 - 135)	SW846 8260B
4-Chlorotoluene	104	(56 - 132)	SW846 8260B
1,2-Dibromo-3-chloropropane (DBCP)	104	(55 - 133)	SW846 8260B
1,2-Dibromoethane (EDB)	100	(72 - 120)	SW846 8260B
trans-1,4-Dichloro-2-butene	122	(55 - 148)	SW846 8260B
Dichlorodifluoromethane (Freon 12)	94	(40 - 150)	SW846 8260B
1,3-Dichloropropane	100	(74 - 119)	SW846 8260B
2,2-Dichloropropane	106	(76 - 130)	SW846 8260B
1,1-Dichloropropene	104	(76 - 123)	SW846 8260B
Ethyl methacrylate	101	(73 - 128)	SW846 8260B
Freon 113	88	(67 - 145)	SW846 8260B
Hexachlorobutadiene	104	(40 - 149)	SW846 8260B
Isopropylbenzene	110	(62 - 137)	SW846 8260B
4-Isopropyltoluene	108	(59 - 143)	SW846 8260B
Methyl methacrylate	93	(67 - 129)	SW846 8260B
Methyl tert-butyl ether (MTBE)	107	(82 - 119)	SW846 8260B
Naphthalene	108	(68 - 127)	SW846 8260B

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: F6L140269 Work Order #...: JL6MK1AC Matrix.....: SOLID
LCS Lot-Sample#: F6L270000-305

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
2-Nitropropane	121	(40 - 147)	SW846 8260B
n-Propylbenzene	108	(60 - 139)	SW846 8260B
1,1,1,2-Tetrachloroethane	97	(72 - 118)	SW846 8260B
Tetrahydrofuran	114	(66 - 130)	SW846 8260B
1,2,3-Trichlorobenzene	100	(64 - 132)	SW846 8260B
1,2,4-Trichloro-benzene	100	(62 - 135)	SW846 8260B
Trichlorofluoromethane	109	(71 - 136)	SW846 8260B
1,3,5-Trimethylbenzene	109	(68 - 137)	SW846 8260B
Ethyl ether	97	(74 - 139)	SW846 8260B
Ethyl acetate	112	(75 - 129)	SW846 8260B
2-Chloroethyl vinyl ether	96	(71 - 131)	SW846 8260B
Iodomethane	128	(55 - 147)	SW846 8260B
Vinyl acetate	134	(80 - 150)	SW846 8260B
Acrolein	93	(40 - 150)	SW846 8260B
Acrylonitrile	109	(43 - 150)	SW846 8260B
Cyclohexane	100	(85 - 120)	SW846 8260B
Isobutanol	110	(63 - 136)	SW846 8260B
Methacrylonitrile	117	(80 - 128)	SW846 8260B
Methylcyclohexane	102	(72 - 116)	SW846 8260B
Propionitrile	112	(84 - 119)	SW846 8260B
1,4-Dioxane	110	(58 - 120)	SW846 8260B
Pentachloroethane	98	(58 - 137)	SW846 8260B
Methyl acetate	91	(77 - 115)	SW846 8260B
2-Chloro-1,3-butadiene	110	(88 - 125)	SW846 8260B
1,2-Dichloro-1,1,2,2-tetrafluoroethane	90	(40 - 150)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	98	(77 - 127)
Dibromofluoromethane	96	(72 - 121)
1,2-Dichloroethane-d4	108	(76 - 121)
4-Bromofluorobenzene	100	(64 - 124)

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: F6L140269 **Work Order #...:** JL6MK1AC **Matrix.....:** SOLID
LCS Lot-Sample#: F6L270000-305

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

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MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: F6L140269 Work Order #...: JLG3M1DC-MS Matrix.....: SOLID
MS Lot-Sample #: F6L140269-001 JLG3M1DD-MSD
Date Sampled...: 11/30/06 12:30 Date Received..: 12/13/06
Prep Date.....: 12/15/06 Analysis Date..: 12/15/06
Prep Batch #...: 6361305 Analysis Time..: 17:16
Dilution Factor: 1 % Moisture.....: 4.0

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
cis-1,3-Dichloropropene	119	(43 - 150)			SW846 8260B
	115	(43 - 150)	3.0	(0-30)	SW846 8260B
Chloromethane	102	(51 - 150)			SW846 8260B
	100	(51 - 150)	2.4	(0-30)	SW846 8260B
Vinyl chloride	95	(59 - 150)			SW846 8260B
	98	(59 - 150)	3.2	(0-30)	SW846 8260B
Bromomethane	122	(52 - 160)			SW846 8260B
	113	(52 - 160)	7.3	(0-30)	SW846 8260B
Chloroethane	109	(62 - 150)			SW846 8260B
	107	(62 - 150)	2.3	(0-30)	SW846 8260B
Acetone	130	(20 - 150)			SW846 8260B
	135	(20 - 150)	4.4	(0-30)	SW846 8260B
1,1-Dichloroethene	95	(61 - 150)			SW846 8260B
	90	(61 - 150)	5.3	(0-30)	SW846 8260B
Methylene chloride	109	(20 - 144)			SW846 8260B
	107	(20 - 144)	1.5	(0-30)	SW846 8260B
Carbon disulfide	122	(57 - 154)			SW846 8260B
	118	(57 - 154)	2.9	(0-30)	SW846 8260B
1,1-Dichloroethane	106	(66 - 150)			SW846 8260B
	102	(66 - 150)	3.9	(0-30)	SW846 8260B
1,2-Dichloroethene (total)	98	(60 - 150)			SW846 8260B
	96	(60 - 150)	2.1	(0-30)	SW846 8260B
Chloroform	113	(66 - 145)			SW846 8260B
	105	(66 - 145)	6.9	(0-30)	SW846 8260B
1,1,1-Trichloroethane	118	(62 - 147)			SW846 8260B
	108	(62 - 147)	9.1	(0-30)	SW846 8260B
Carbon tetrachloride	118	(50 - 150)			SW846 8260B
	111	(50 - 150)	6.7	(0-30)	SW846 8260B
1,2-Dichloroethane	124	(60 - 146)			SW846 8260B
	117	(60 - 146)	5.9	(0-30)	SW846 8260B
Benzene	101	(57 - 147)			SW846 8260B
	99	(57 - 147)	2.3	(0-30)	SW846 8260B
Trichloroethene	112	(35 - 150)			SW846 8260B
	108	(35 - 150)	4.0	(0-30)	SW846 8260B
1,2-Dichloropropane	106	(59 - 143)			SW846 8260B
	102	(59 - 143)	4.1	(0-30)	SW846 8260B
Bromodichloromethane	117	(56 - 146)			SW846 8260B
	113	(56 - 146)	4.1	(0-30)	SW846 8260B

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MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: F6L140269 Work Order #...: JLG3M1DC-MS Matrix.....: SOLID
MS Lot-Sample #: F6L140269-001 JLG3M1DD-MSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1,2-Trichloroethane	104	(63 - 143)			SW846 8260B
	102	(63 - 143)	2.1	(0-30)	SW846 8260B
trans-1,3-Dichloropropene	119	(59 - 150)			SW846 8260B
	118	(59 - 150)	0.91	(0-30)	SW846 8260B
Toluene	103	(64 - 140)			SW846 8260B
	99	(64 - 140)	3.2	(0-30)	SW846 8260B
2-Hexanone	109	(42 - 150)			SW846 8260B
	114	(42 - 150)	3.7	(0-30)	SW846 8260B
4-Methyl-2-pentanone	112	(50 - 150)			SW846 8260B
	115	(50 - 150)	2.4	(0-30)	SW846 8260B
Chlorobenzene	98	(58 - 136)			SW846 8260B
	96	(58 - 136)	2.1	(0-30)	SW846 8260B
Bromoform	109	(57 - 150)			SW846 8260B
	112	(57 - 150)	2.9	(0-30)	SW846 8260B
Ethylbenzene	108	(59 - 140)			SW846 8260B
	102	(59 - 140)	5.4	(0-30)	SW846 8260B
Styrene	110	(51 - 148)			SW846 8260B
	107	(51 - 148)	2.2	(0-30)	SW846 8260B
1,1,2,2-Tetrachloroethane	96	(54 - 144)			SW846 8260B
	101	(54 - 144)	5.4	(0-30)	SW846 8260B
Tetrachloroethene	154 a	(31 - 150)			SW846 8260B
	154 a	(31 - 150)	0.01	(0-30)	SW846 8260B
2-Butanone	107	(37 - 150)			SW846 8260B
	107	(37 - 150)	0.01	(0-30)	SW846 8260B
Dibromochloromethane	112	(56 - 149)			SW846 8260B
	110	(56 - 149)	1.8	(0-30)	SW846 8260B
n-Butylbenzene	108	(46 - 144)			SW846 8260B
	106	(46 - 144)	2.4	(0-30)	SW846 8260B
Cyclohexanone	104	(25 - 150)			SW846 8260B
	119	(25 - 150)	14	(0-30)	SW846 8260B
cis-1,2-Dichloroethene	99	(62 - 146)			SW846 8260B
	97	(62 - 146)	2.6	(0-30)	SW846 8260B
trans-1,2-Dichloroethene	97	(57 - 150)			SW846 8260B
	95	(57 - 150)	1.7	(0-30)	SW846 8260B
n-Hexane	254 a	(38 - 149)			SW846 8260B
	260 a	(38 - 149)	2.0	(0-30)	SW846 8260B
1-Butanol	314 a	(42 - 150)			SW846 8260B
	295 a	(42 - 150)	6.4	(0-20)	SW846 8260B
Acetonitrile	93	(51 - 150)			SW846 8260B
	109	(51 - 150)	16	(0-20)	SW846 8260B
m-Xylene & p-Xylene	105	(57 - 140)			SW846 8260B
	102	(57 - 140)	3.4	(0-30)	SW846 8260B

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MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: F6L140269 **Work Order #...:** JLG3M1DC-MS **Matrix.....:** SOLID
MS Lot-Sample #: F6L140269-001 JLG3M1DD-MSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
o-Xylene	107	(60 - 137)			SW846 8260B
	105	(60 - 137)	2.6	(0-30)	SW846 8260B
1,3-Dichlorobenzene	95	(55 - 140)			SW846 8260B
	94	(55 - 140)	0.67	(0-30)	SW846 8260B
1,4-Dichlorobenzene	93	(50 - 139)			SW846 8260B
	91	(50 - 139)	2.4	(0-30)	SW846 8260B
1,2-Dichlorobenzene	95	(53 - 141)			SW846 8260B
	94	(53 - 141)	1.2	(0-30)	SW846 8260B
Bromobenzene	98	(44 - 150)			SW846 8260B
	96	(44 - 150)	2.4	(0-30)	SW846 8260B
Bromochloromethane	98	(59 - 148)			SW846 8260B
	101	(59 - 148)	2.8	(0-30)	SW846 8260B
sec-Butylbenzene	111	(46 - 150)			SW846 8260B
	110	(46 - 150)	1.1	(0-30)	SW846 8260B
tert-Butylbenzene	99	(42 - 150)			SW846 8260B
	97	(42 - 150)	2.3	(0-30)	SW846 8260B
Allyl chloride	119	(60 - 150)			SW846 8260B
	111	(60 - 150)	7.1	(0-30)	SW846 8260B
2-Chlorotoluene	118	(48 - 150)			SW846 8260B
	109	(48 - 150)	7.3	(0-30)	SW846 8260B
4-Chlorotoluene	116	(48 - 147)			SW846 8260B
	107	(48 - 147)	7.7	(0-30)	SW846 8260B
1,2-Dibromo-3-chloropropane (DBCP)	106	(48 - 150)			SW846 8260B
	109	(48 - 150)	3.0	(0-30)	SW846 8260B
1,2-Dibromoethane (EDB)	105	(59 - 146)			SW846 8260B
	105	(59 - 146)	0.05	(0-30)	SW846 8260B
trans-1,4-Dichloro-2-butene	130	(47 - 150)			SW846 8260B
	133	(47 - 150)	2.2	(0-30)	SW846 8260B
Dichlorodifluoromethane (Freon 12)	98	(29 - 150)			SW846 8260B
	92	(29 - 150)	6.2	(0-30)	SW846 8260B
1,3-Dichloropropane	108	(63 - 150)			SW846 8260B
	106	(63 - 150)	2.0	(0-30)	SW846 8260B
2,2-Dichloropropane	116	(67 - 148)			SW846 8260B
	105	(67 - 148)	10	(0-30)	SW846 8260B
1,1-Dichloropropene	113	(58 - 144)			SW846 8260B
	106	(58 - 144)	5.9	(0-30)	SW846 8260B

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MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: F6L140269 Work Order #...: JLG3M1DC-MS Matrix.....: SOLID
MS Lot-Sample #: F6L140269-001 JLG3M1DD-MSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Ethyl ether	100	(64 - 150)			SW846 8260B
	88	(64 - 150)	12	(0-30)	SW846 8260B
Ethyl methacrylate	103	(20 - 150)			SW846 8260B
	105	(20 - 150)	2.3	(0-30)	SW846 8260B
Freon 113	94	(54 - 150)			SW846 8260B
	90	(54 - 150)	3.6	(0-30)	SW846 8260B
Hexachlorobutadiene	105	(20 - 149)			SW846 8260B
	98	(20 - 149)	6.8	(0-30)	SW846 8260B
Isopropylbenzene	116	(47 - 149)			SW846 8260B
	112	(47 - 149)	3.8	(0-30)	SW846 8260B
4-Isopropyltoluene	112	(44 - 150)			SW846 8260B
	110	(44 - 150)	2.2	(0-30)	SW846 8260B
Methyl methacrylate	96	(33 - 150)			SW846 8260B
	98	(33 - 150)	1.9	(0-30)	SW846 8260B
Methyl tert-butyl ether (MTBE)	115	(66 - 150)			SW846 8260B
	112	(66 - 150)	2.5	(0-30)	SW846 8260B
Naphthalene	100	(20 - 150)			SW846 8260B
	108	(20 - 150)	7.6	(0-30)	SW846 8260B
2-Nitropropane	121	(39 - 150)			SW846 8260B
	121	(39 - 150)	0.34	(0-30)	SW846 8260B
n-Propylbenzene	112	(57 - 150)			SW846 8260B
	110	(57 - 150)	1.9	(0-30)	SW846 8260B
1,1,1,2-Tetrachloroethane	103	(61 - 139)			SW846 8260B
	101	(61 - 139)	2.3	(0-30)	SW846 8260B
Tetrahydrofuran	108	(59 - 148)			SW846 8260B
	112	(59 - 148)	4.4	(0-30)	SW846 8260B
1,2,3-Trichlorobenzene	94	(20 - 150)			SW846 8260B
	97	(20 - 150)	2.9	(0-30)	SW846 8260B
1,2,4-Trichlorobenzene	91	(20 - 146)			SW846 8260B
	93	(20 - 146)	1.9	(0-30)	SW846 8260B
Trichlorofluoromethane	122	(57 - 150)			SW846 8260B
	115	(57 - 150)	5.6	(0-30)	SW846 8260B
1,3,5-Trimethylbenzene	114	(61 - 150)			SW846 8260B
	112	(61 - 150)	1.6	(0-30)	SW846 8260B
Ethyl acetate	114	(38 - 150)			SW846 8260B
	115	(38 - 150)	0.61	(0-20)	SW846 8260B
2-Chloroethyl vinyl ether	104	(55 - 144)			SW846 8260B
	105	(55 - 144)	1.1	(0-20)	SW846 8260B

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MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: F6L140269 **Work Order #...:** JLG3M1DC-MS **Matrix.....:** SOLID
MS Lot-Sample #: F6L140269-001 JLG3M1DD-MSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Iodomethane	136	(51 - 145)			SW846 8260B
	128	(51 - 145)	5.9	(0-20)	SW846 8260B
Vinyl acetate	85	(20 - 150)			SW846 8260B
	80	(20 - 150)	5.5	(0-20)	SW846 8260B
Acrolein	94	(20 - 150)			SW846 8260B
	104	(20 - 150)	11	(0-20)	SW846 8260B
Acrylonitrile	105	(61 - 150)			SW846 8260B
	112	(61 - 150)	6.6	(0-20)	SW846 8260B
Cyclohexane	104	(67 - 132)			SW846 8260B
	102	(67 - 132)	1.7	(0-20)	SW846 8260B
Isobutanol	94	(69 - 144)			SW846 8260B
	105	(69 - 144)	11	(0-20)	SW846 8260B
Methacrylonitrile	124	(73 - 142)			SW846 8260B
	122	(73 - 142)	1.7	(0-20)	SW846 8260B
Methylcyclohexane	110	(55 - 123)			SW846 8260B
	102	(55 - 123)	7.8	(0-20)	SW846 8260B
Propionitrile	108	(61 - 150)			SW846 8260B
	107	(61 - 150)	0.63	(0-20)	SW846 8260B
1,4-Dioxane	105	(46 - 144)			SW846 8260B
	93	(46 - 144)	11	(0-20)	SW846 8260B
Pentachloroethane	31	(20 - 146)			SW846 8260B
	27	(20 - 146)	11	(0-20)	SW846 8260B
Methyl acetate	93	(20 - 150)			SW846 8260B
	95	(20 - 150)	2.3	(0-20)	SW846 8260B
2-Chloro-1,3-butadiene	121	(76 - 137)			SW846 8260B
	114	(76 - 137)	5.9	(0-20)	SW846 8260B
1,2-Dichloro-1,1,2,2-tetrafluoroethane	85	(43 - 150)			SW846 8260B
	84	(43 - 150)	2.2	(0-30)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	105	(59 - 150)
	102	(59 - 150)
Dibromofluoromethane	105	(26 - 150)
	97	(26 - 150)
1,2-Dichloroethane-d4	122	(65 - 146)
	113	(65 - 146)
4-Bromofluorobenzene	106	(39 - 150)
	102	(39 - 150)

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MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: F6L140269 **Work Order #...:** JLG3M1DC-MS **Matrix.....:** SOLID
MS Lot-Sample #: F6L140269-001 JLG3M1DD-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

Results and reporting limits have been adjusted for dry weight.

a Spiked analyte recovery is outside stated control limits.

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Fluor Hanford Inc

Client Sample ID: B1L5N6

GC/MS Semivolatiles

Lot-Sample #...: F6L140269-001 **Work Order #...:** JLG3M1CG **Matrix.....:** SOLID
Date Sampled...: 11/30/06 12:30 **Date Received..:** 12/13/06
Prep Date.....: 12/14/06 **Analysis Date..:** 12/18/06
Prep Batch #...: 6348576 **Analysis Time..:** 20:26
Dilution Factor: 1
% Moisture.....: 4.0 **Method.....:** SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Tributyl phosphate	ND	340	ug/kg	35

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	75	(37 - 97)
Phenol-d5	81	(43 - 96)
Nitrobenzene-d5	74	(45 - 97)
2-Fluorobiphenyl	75	(46 - 101)
2,4,6-Tribromophenol	55	(35 - 109)
Terphenyl-d14	74	(39 - 102)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: F6L140269 **Work Order #...:** JLH461AA **Matrix.....:** SOLID
MB Lot-Sample #: F6L140000-576

Prep Date.....: 12/14/06 **Analysis Time..:** 18:11
Analysis Date..: 12/18/06 **Prep Batch #...:** 6348576
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Tributyl phosphate	ND	330	ug/kg	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	69	(37 - 97)
Phenol-d5	76	(43 - 96)
Nitrobenzene-d5	68	(45 - 97)
2-Fluorobiphenyl	68	(46 - 101)
2,4,6-Tribromophenol	49	(35 - 109)
Terphenyl-d14	70	(39 - 102)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: F6L140269 Work Order #...: JLH461AC Matrix.....: SOLID
LCS Lot-Sample#: F6L140000-576
Prep Date.....: 12/14/06 Analysis Date..: 12/18/06
Prep Batch #...: 6348576 Analysis Time..: 18:45
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Phenol	70	(48 - 86)	SW846 8270C
bis(2-Chloroethyl)-ether	76	(43 - 92)	SW846 8270C
2-Chlorophenol	73	(50 - 88)	SW846 8270C
2-Methylphenol	73	(48 - 90)	SW846 8270C
2,2'-oxybis(1-Chloropropa	86	(51 - 92)	SW846 8270C
3-Methylphenol & 4-Methylphenol	73	(51 - 90)	SW846 8270C
N-Nitrosodi-n-propyl-amine	83	(58 - 99)	SW846 8270C
Hexachloroethane	75	(52 - 89)	SW846 8270C
Nitrobenzene	78	(46 - 100)	SW846 8270C
Isophorone	90	(52 - 104)	SW846 8270C
2-Nitrophenol	73	(53 - 92)	SW846 8270C
2,4-Dimethylphenol	67	(46 - 92)	SW846 8270C
bis(2-Chloroethoxy) methane	76	(55 - 97)	SW846 8270C
2,4-Dichlorophenol	71	(52 - 91)	SW846 8270C
1,2,4-Trichloro-benzene	71	(53 - 95)	SW846 8270C
Naphthalene	73	(52 - 93)	SW846 8270C
4-Chloroaniline	34	(20 - 78)	SW846 8270C
Hexachlorobutadiene	68	(51 - 95)	SW846 8270C
4-Chloro-3-methylphenol	73	(53 - 93)	SW846 8270C
2-Methylnaphthalene	65	(45 - 90)	SW846 8270C
Hexachlorocyclopenta-diene	88	(56 - 128)	SW846 8270C
2,4,6-Trichloro-phenol	70	(49 - 94)	SW846 8270C
2,4,5-Trichloro-phenol	71	(48 - 97)	SW846 8270C
2-Nitroaniline	78	(48 - 97)	SW846 8270C
Dimethyl phthalate	74	(53 - 97)	SW846 8270C
Acenaphthylene	76	(56 - 98)	SW846 8270C

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: F6L140269 Work Order #...: JLH461AC Matrix.....: SOLID
LCS Lot-Sample#: F6L140000-576

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
2,6-Dinitrotoluene	74	(55 - 101)	SW846 8270C
3-Nitroaniline	54	(35 - 86)	SW846 8270C
Acenaphthene	74	(54 - 95)	SW846 8270C
2,4-Dinitrophenol	11 a	(20 - 71)	SW846 8270C
4-Nitrophenol	72	(41 - 105)	SW846 8270C
Dibenzofuran	70	(46 - 93)	SW846 8270C
2,4-Dinitrotoluene	75	(54 - 103)	SW846 8270C
Diethyl phthalate	78	(51 - 102)	SW846 8270C
4-Chlorophenyl phenyl ether	74	(52 - 97)	SW846 8270C
Fluorene	73	(54 - 97)	SW846 8270C
4-Nitroaniline	69	(45 - 95)	SW846 8270C
4,6-Dinitro-2-methylphenol	28 a	(35 - 101)	SW846 8270C
N-Nitrosodiphenylamine	83	(56 - 106)	SW846 8270C
4-Bromophenyl phenyl ether	72	(53 - 103)	SW846 8270C
Hexachlorobenzene	73	(54 - 105)	SW846 8270C
Pentachlorophenol	62	(31 - 89)	SW846 8270C
Phenanthrene	76	(54 - 102)	SW846 8270C
Anthracene	77	(53 - 102)	SW846 8270C
Carbazole	76	(49 - 97)	SW846 8270C
Di-n-butyl phthalate	84	(53 - 104)	SW846 8270C
Fluoranthene	77	(51 - 101)	SW846 8270C
Pyrene	76	(53 - 105)	SW846 8270C
Butyl benzyl phthalate	78	(53 - 105)	SW846 8270C
3,3'-Dichlorobenzidine	35	(35 - 90)	SW846 8270C
Benzo(a)anthracene	74	(55 - 107)	SW846 8270C
Chrysene	75	(53 - 102)	SW846 8270C
bis(2-Ethylhexyl) phthalate	79	(52 - 106)	SW846 8270C
Di-n-octyl phthalate	79	(49 - 110)	SW846 8270C
Benzo(b)fluoranthene	75	(50 - 105)	SW846 8270C
Benzo(k)fluoranthene	81	(53 - 108)	SW846 8270C
Benzo(a)pyrene	75	(52 - 105)	SW846 8270C
Indeno(1,2,3-cd)pyrene	83	(47 - 105)	SW846 8270C
Dibenz(a,h)anthracene	87	(50 - 107)	SW846 8270C

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: F6L140269 **Work Order #...:** JLH461AC **Matrix.....:** SOLID
LCS Lot-Sample#: F6L140000-576

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Benzo(ghi)perylene	**91**	**(49 - 108)**	**SW846 8270C**
1,2-Dichlorobenzene	**73**	**(51 - 86)**	**SW846 8270C**
1,3-Dichlorobenzene	**70**	**(49 - 84)**	**SW846 8270C**
1,4-Dichlorobenzene	**71**	**(49 - 86)**	**SW846 8270C**
2-Chloronaphthalene	**73**	**(52 - 93)**	**SW846 8270C**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	74	(52 - 91)
Phenol-d5	80	(53 - 92)
Nitrobenzene-d5	74	(54 - 95)
2-Fluorobiphenyl	75	(55 - 98)
2,4,6-Tribromophenol	67	(48 - 104)
Terphenyl-d14	70	(48 - 100)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

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MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: F6L140269 Work Order #...: JLG3M1CM-MS Matrix.....: SOLID
MS Lot-Sample #: F6L140269-001 JLG3M1CN-MSD
Date Sampled...: 11/30/06 12:30 Date Received..: 12/13/06
Prep Date.....: 12/14/06 Analysis Date..: 12/18/06
Prep Batch #...: 6348576 Analysis Time..: 21:00
Dilution Factor: 1 % Moisture.....: 4.0

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Phenol	67	(35 - 93)			SW846 8270C
	68	(35 - 93)	0.66	(0-30)	SW846 8270C
bis(2-Chloroethyl)-ether	74	(32 - 97)			SW846 8270C
	76	(32 - 97)	1.8	(0-30)	SW846 8270C
2-Chlorophenol	70	(31 - 96)			SW846 8270C
	70	(31 - 96)	0.17	(0-30)	SW846 8270C
2-Methylphenol	71	(35 - 95)			SW846 8270C
	72	(35 - 95)	0.76	(0-30)	SW846 8270C
2,2'-oxybis(1-Chloropropa	83	(39 - 98)			SW846 8270C
	88	(39 - 98)	4.8	(0-30)	SW846 8270C
3-Methylphenol & 4-Methylphenol	70	(39 - 96)			SW846 8270C
	72	(39 - 96)	1.6	(0-30)	SW846 8270C
N-Nitrosodi-n-propyl-amine	81	(44 - 106)			SW846 8270C
	83	(44 - 106)	1.9	(0-30)	SW846 8270C
Hexachloroethane	72	(37 - 91)			SW846 8270C
	74	(37 - 91)	3.2	(0-30)	SW846 8270C
Nitrobenzene	74	(37 - 103)			SW846 8270C
	77	(37 - 103)	3.5	(0-30)	SW846 8270C
Isophorone	86	(38 - 113)			SW846 8270C
	88	(38 - 113)	1.8	(0-30)	SW846 8270C
2-Nitrophenol	69	(33 - 98)			SW846 8270C
	70	(33 - 98)	0.60	(0-30)	SW846 8270C
2,4-Dimethylphenol	63	(36 - 96)			SW846 8270C
	65	(36 - 96)	2.8	(0-30)	SW846 8270C
bis(2-Chloroethoxy) methane	72	(43 - 103)			SW846 8270C
	74	(43 - 103)	2.0	(0-30)	SW846 8270C
2,4-Dichlorophenol	66	(38 - 96)			SW846 8270C
	67	(38 - 96)	2.1	(0-30)	SW846 8270C
1,2,4-Trichloro-benzene	68	(43 - 94)			SW846 8270C
	69	(43 - 94)	2.0	(0-30)	SW846 8270C

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REVISED Dayes 7/27/07

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: F6L140269 **Work Order #...:** JLG3M1CM-MS **Matrix.....:** SOLID
MS Lot-Sample #: F6L140269-001 JLG3M1CN-MSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Naphthalene	69	(39 - 97)			SW846 8270C
	71	(39 - 97)	2.6	(0-30)	SW846 8270C
4-Chloroaniline	37	(14 - 73)			SW846 8270C
	37	(14 - 73)	0.65	(0-30)	SW846 8270C
Hexachlorobutadiene	64	(39 - 96)			SW846 8270C
	66	(39 - 96)	1.5	(0-30)	SW846 8270C
4-Chloro-3-methylphenol	69	(40 - 101)			SW846 8270C
	72	(40 - 101)	4.0	(0-30)	SW846 8270C
2-Methylnaphthalene	62	(34 - 93)			SW846 8270C
	63	(34 - 93)	0.76	(0-30)	SW846 8270C
Hexachlorocyclopenta-diene	85	(20 - 141)			SW846 8270C
	85	(20 - 141)	1.3	(0-30)	SW846 8270C
2,4,6-Trichloro-phenol	67	(32 - 102)			SW846 8270C
	68	(32 - 102)	1.8	(0-30)	SW846 8270C
2,4,5-Trichloro-phenol	66	(30 - 108)			SW846 8270C
	68	(30 - 108)	2.7	(0-30)	SW846 8270C
2-Nitroaniline	74	(37 - 106)			SW846 8270C
	79	(37 - 106)	5.9	(0-30)	SW846 8270C
Dimethyl phthalate	69	(44 - 103)			SW846 8270C
	72	(44 - 103)	3.5	(0-30)	SW846 8270C
Acenaphthylene	73	(44 - 104)			SW846 8270C
	74	(44 - 104)	1.3	(0-30)	SW846 8270C
2,6-Dinitrotoluene	70	(45 - 107)			SW846 8270C
	73	(45 - 107)	3.7	(0-30)	SW846 8270C
3-Nitroaniline	53	(27 - 89)			SW846 8270C
	57	(27 - 89)	7.4	(0-30)	SW846 8270C
Acenaphthene	70	(43 - 101)			SW846 8270C
	72	(43 - 101)	2.3	(0-30)	SW846 8270C
2,4-Dinitrophenol	3.4 a	(10 - 93)			SW846 8270C
	1.7 a,p	(10 - 93)	65	(0-30)	SW846 8270C
4-Nitrophenol	66	(28 - 112)			SW846 8270C
	71	(28 - 112)	6.6	(0-30)	SW846 8270C
Dibenzofuran	66	(37 - 98)			SW846 8270C
	68	(37 - 98)	1.7	(0-30)	SW846 8270C
2,4-Dinitrotoluene	69	(44 - 108)			SW846 8270C
	74	(44 - 108)	6.5	(0-30)	SW846 8270C

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REVISED
7/27/07

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: F6L140269 **Work Order #...:** JLG3M1CM-MS **Matrix.....:** SOLID
MS Lot-Sample #: F6L140269-001 JLG3M1CN-MSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Diethyl phthalate	72	(43 - 108)			SW846 8270C
	76	(43 - 108)	4.9	(0-30)	SW846 8270C
4-Chlorophenyl phenyl ether	70	(42 - 102)			SW846 8270C
	72	(42 - 102)	2.5	(0-30)	SW846 8270C
Fluorene	68	(43 - 103)			SW846 8270C
	70	(43 - 103)	3.0	(0-30)	SW846 8270C
4-Nitroaniline	63	(31 - 100)			SW846 8270C
	68	(31 - 100)	7.4	(0-30)	SW846 8270C
4,6-Dinitro-2-methylphenol	15 a	(20 - 106)			SW846 8270C
	14 a	(20 - 106)	6.4	(0-30)	SW846 8270C
N-Nitrosodiphenylamine	78	(45 - 112)			SW846 8270C
	80	(45 - 112)	1.6	(0-30)	SW846 8270C
4-Bromophenyl phenyl ether	69	(44 - 106)			SW846 8270C
	69	(44 - 106)	0.73	(0-30)	SW846 8270C
Hexachlorobenzene	69	(43 - 108)			SW846 8270C
	70	(43 - 108)	0.86	(0-30)	SW846 8270C
Pentachlorophenol	48	(20 - 95)			SW846 8270C
	52	(20 - 95)	6.8	(0-30)	SW846 8270C
Phenanthrene	71	(42 - 111)			SW846 8270C
	73	(42 - 111)	2.7	(0-30)	SW846 8270C
Anthracene	72	(45 - 106)			SW846 8270C
	74	(45 - 106)	1.1	(0-30)	SW846 8270C
Carbazole	70	(39 - 103)			SW846 8270C
	73	(39 - 103)	3.9	(0-30)	SW846 8270C
Di-n-butyl phthalate	78	(46 - 107)			SW846 8270C
	82	(46 - 107)	5.4	(0-30)	SW846 8270C
Fluoranthene	69	(31 - 118)			SW846 8270C
	73	(31 - 118)	5.2	(0-30)	SW846 8270C
Pyrene	74	(37 - 115)			SW846 8270C
	73	(37 - 115)	2.9	(0-30)	SW846 8270C
Butyl benzyl phthalate	74	(41 - 110)			SW846 8270C
	76	(41 - 110)	2.6	(0-30)	SW846 8270C
3,3'-Dichlorobenzidine	34	(20 - 97)			SW846 8270C
	36	(20 - 97)	4.7	(0-30)	SW846 8270C
Benzo(a)anthracene	69	(43 - 115)			SW846 8270C
	71	(43 - 115)	3.0	(0-30)	SW846 8270C

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MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: F6L140269 **Work Order #...:** JLG3M1CM-MS **Matrix.....:** SOLID
MS Lot-Sample #: F6L140269-001 JLG3M1CN-MSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Chrysene	69	(41 - 111)			SW846 8270C
	72	(41 - 111)	4.3	(0-30)	SW846 8270C
bis(2-Ethylhexyl) phthalate	74	(36 - 116)			SW846 8270C
	78	(36 - 116)	4.3	(0-30)	SW846 8270C
Di-n-octyl phthalate	81	(42 - 109)			SW846 8270C
	78	(42 - 109)	4.6	(0-30)	SW846 8270C
Benzo(b)fluoranthene	73	(32 - 117)			SW846 8270C
	72	(32 - 117)	2.0	(0-30)	SW846 8270C
Benzo(k)fluoranthene	76	(34 - 117)			SW846 8270C
	77	(34 - 117)	1.4	(0-30)	SW846 8270C
Benzo(a)pyrene	70	(37 - 112)			SW846 8270C
	71	(37 - 112)	1.4	(0-30)	SW846 8270C
Indeno(1,2,3-cd)pyrene	76	(27 - 119)			SW846 8270C
	76	(27 - 119)	1.2	(0-30)	SW846 8270C
Dibenz(a,h)anthracene	81	(30 - 120)			SW846 8270C
	84	(30 - 120)	3.3	(0-30)	SW846 8270C
Benzo(ghi)perylene	84	(26 - 123)			SW846 8270C
	87	(26 - 123)	3.5	(0-30)	SW846 8270C
1,2-Dichlorobenzene	69	(52 - 82)			SW846 8270C
	71	(52 - 82)	1.6	(0-30)	SW846 8270C
1,3-Dichlorobenzene	67	(48 - 80)			SW846 8270C
	68	(48 - 80)	2.0	(0-30)	SW846 8270C
1,4-Dichlorobenzene	67	(49 - 80)			SW846 8270C
	69	(49 - 80)	2.6	(0-30)	SW846 8270C
2-Chloronaphthalene	71	(54 - 95)			SW846 8270C
	72	(54 - 95)	0.88	(0-30)	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	73	(37 - 97)
	72	(37 - 97)
Phenol-d5	78	(43 - 96)
	77	(43 - 96)
Nitrobenzene-d5	73	(45 - 97)
	74	(45 - 97)
2-Fluorobiphenyl	74	(46 - 101)
	73	(46 - 101)
2,4,6-Tribromophenol	60	(35 - 109)
	64	(35 - 109)

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MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: F6L140269 **Work Order #...:** JLG3M1CM-MS **Matrix.....:** SOLID
MS Lot-Sample #: F6L140269-001 JLG3M1CN-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Terphenyl-d14	70	(39 - 102)
	67	(39 - 102)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

Results and reporting limits have been adjusted for dry weight.

a Spiked analyte recovery is outside stated control limits.

p Relative percent difference (RPD) is outside stated control limits.

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Fluor Hanford Inc

Client Sample ID: B1L5N6

GC Volatiles

Lot-Sample #...:	F6L140269-001	**Work Order #...:**	JLG3M1CJ	**Matrix.....:**	SOLID
Date Sampled...:	11/30/06 12:30	**Date Received..:**	12/13/06		
Prep Date.....:	12/22/06	**Analysis Date..:**	12/22/06		
Prep Batch #...:	6356401	**Analysis Time..:**	15:09		
Dilution Factor:	1				
% Moisture.....:	4.0	**Method.....:**	SW846 8015 MOD		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
TPH - Gasoline Range - WTPH-G	ND	0.10	mg/kg	0.0082

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Trifluorotoluene	52	(16 - 131)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

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METHOD BLANK REPORT

GC Volatiles

Client Lot #...: F6L140269 **Work Order #...:** JL3JN1AA **Matrix.....:** SOLID
MB Lot-Sample #: F6L220000-401
Prep Date.....: 12/22/06 **Analysis Time..:** 10:11
Analysis Date..: 12/22/06 **Prep Batch #...:** 6356401
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
TPH - Gasoline Range - WT	ND	0.10	mg/kg	SW846 8015 MOD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Trifluorotoluene	86	(45 - 132)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #...: F6L140269 **Work Order #...:** JL3JN1AC-LCS **Matrix.....:** SOLID
LCS Lot-Sample#: F6L220000-401 JL3JN1AD-LCSD
Prep Date.....: 12/22/06 **Analysis Date..:** 12/22/06
Prep Batch #...: 6356401 **Analysis Time..:** 10:48
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Volatile Petroleum Hydrocarbons	**94**	**(69 - 103)**			**SW846 8015 MOD**
	88	**(69 - 103)**	**6.6**	**(0-20)**	**SW846 8015 MOD**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Trifluorotoluene	102	(85 - 115)
	100	(85 - 115)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

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D Myers
7/27/07

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #...: F6L140269 **Work Order #...:** JLG3M1C9-MS **Matrix.....:** SOLID
MS Lot-Sample #: F6L140269-001 JLG3M1DA-MSD
Date Sampled...: 11/30/06 12:30 **Date Received..:** 12/13/06
Prep Date.....: 12/22/06 **Analysis Date..:** 12/22/06
Prep Batch #...: 6356401 **Analysis Time..:** 15:41
Dilution Factor: 1 **% Moisture.....:** 4.0

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Volatile Petroleum Hydrocarbons	**82**	**(22 - 125)**			**SW846 8015 MOD**
	80	**(22 - 125)**	**1.5**	**(0-30)**	**SW846 8015 MOD**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Trifluorotoluene	74	(45 - 132)
	75	(45 - 132)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

Results and reporting limits have been adjusted for dry weight.

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Fluor Hanford Inc

Client Sample ID: B1L5N6

GC Semivolatiles

Lot-Sample #...: F6L140269-001 **Work Order #...:** JLG3M1CH **Matrix.....:** SOLID
Date Sampled...: 11/30/06 12:30 **Date Received..:** 12/13/06
Prep Date.....: 12/14/06 **Analysis Date..:** 12/27/06
Prep Batch #...: 6348578 **Analysis Time..:** 21:24
Dilution Factor: 1
% Moisture.....: 4.0 **Method.....:** SW846 8015 MOD

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Kerosene	ND	26	mg/kg	0.52
TPH - Diesel Range - WTPH-D	ND	26	mg/kg	1.6

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
o-Terphenyl	58	(36 - 150)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

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METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: F6L140269 **Work Order #...:** JLH5F1AA **Matrix.....:** SOLID
MB Lot-Sample #: F6L140000-578
Prep Date.....: 12/14/06 **Analysis Time..:** 20:11
Analysis Date..: 12/27/06 **Prep Batch #...:** 6348578
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Kerosene	ND	25	mg/kg	SW846 8015 MOD
TPH - Diesel Range - WTPH	ND	25	mg/kg	SW846 8015 MOD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
o-Terphenyl	68	(36 - 150)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: F6L140269 **Work Order #...:** JLH5F1AC **Matrix.....:** SOLID
LCS Lot-Sample#: F6L140000-578
Prep Date.....: 12/14/06 **Analysis Date..:** 12/27/06
Prep Batch #...: 6348578 **Analysis Time..:** 20:47
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
TPH - Diesel Range - WTPH	**75**	**(47 - 104)**	**SW846 8015 MOD**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
o-Terphenyl	121	(46 - 150)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

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MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: F6L140269 **Work Order #...:** JLG3M1CP-MS **Matrix.....:** SOLID
MS Lot-Sample #: F6L140269-001 JLG3M1CQ-MSD
Date Sampled...: 11/30/06 12:30 **Date Received..:** 12/13/06
Prep Date.....: 12/14/06 **Analysis Date..:** 12/27/06
Prep Batch #...: 6348578 **Analysis Time..:** 22:00
Dilution Factor: 1 **% Moisture.....:** 4.0

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
TPH - Diesel Range - WTPH	**66**	**(22 - 124)**			**SW846 8015 MOD**
	60	**(22 - 124)**	**11**	**(0-30)**	**SW846 8015 MOD**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
o-Terphenyl	110	(36 - 150)
	101	(36 - 150)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

Results and reporting limits have been adjusted for dry weight.

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R. Dykes
7/27/07

Fluor Hanford Inc

Client Sample ID: B1L5N6

GC Semivolatiles

Lot-Sample #...: F6L140269-001 **Work Order #...:** JLG3M1CK **Matrix.....:** SOLID
Date Sampled...: 11/30/06 12:30 **Date Received..:** 12/13/06
Prep Date.....: 12/14/06 **Analysis Date..:** 12/27/06
Prep Batch #...: 6348580 **Analysis Time..:** 01:46
Dilution Factor: 1
% Moisture.....: 4.0 **Method.....:** SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aroclor 1016	ND	34	ug/kg	6.4
Aroclor 1221	ND	34	ug/kg	6.4
Aroclor 1232	ND	34	ug/kg	6.4
Aroclor 1242	ND	34	ug/kg	6.4
Aroclor 1248	ND	34	ug/kg	6.4
Aroclor 1254	ND	34	ug/kg	3.9
Aroclor 1260	ND	34	ug/kg	3.9
Aroclor 1262	ND	34	ug/kg	3.9
Aroclor 1268	ND	34	ug/kg	3.9

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	102	(47 - 150)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

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METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: F6L140269 **Work Order #...:** JLH5T1AA **Matrix.....:** SOLID
MB Lot-Sample #: F6L140000-580
Prep Date.....: 12/14/06 **Analysis Time..:** 01:14
Analysis Date..: 12/27/06 **Prep Batch #...:** 6348580
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Aroclor 1016	ND	33	ug/kg	SW846 8082
Aroclor 1221	ND	33	ug/kg	SW846 8082
Aroclor 1232	ND	33	ug/kg	SW846 8082
Aroclor 1242	ND	33	ug/kg	SW846 8082
Aroclor 1248	ND	33	ug/kg	SW846 8082
Aroclor 1254	ND	33	ug/kg	SW846 8082
Aroclor 1260	ND	33	ug/kg	SW846 8082
Aroclor 1262	ND	33	ug/kg	SW846 8082
Aroclor 1268	ND	33	ug/kg	SW846 8082

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	111	(47 - 150)

NOTE(S):

Calculations are performed *before* rounding to avoid round-off errors in calculated results.

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: F6L140269 **Work Order #...:** JLH5T1AC **Matrix.....:** SOLID
LCS Lot-Sample#: F6L140000-580
Prep Date.....: 12/14/06 **Analysis Date..:** 12/27/06
Prep Batch #...: 6348580 **Analysis Time..:** 01:30
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Aroclor 1016	**101**	**(75 - 134)**	**SW846 8082**
Aroclor 1260	**96**	**(75 - 138)**	**SW846 8082**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	98	(74 - 145)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

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MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: F6L140269 **Work Order #...:** JLG3M1CR-MS **Matrix.....:** SOLID
MS Lot-Sample #: F6L140269-001 JLG3M1CT-MSD
Date Sampled...: 11/30/06 12:30 **Date Received..:** 12/13/06
Prep Date.....: 12/14/06 **Analysis Date..:** 12/27/06
Prep Batch #...: 6348580 **Analysis Time..:** 02:02
Dilution Factor: 1 **% Moisture.....:** 4.0

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Aroclor 1016	**95**	**(47 - 150)**			**SW846 8082**
	95	**(47 - 150)**	**0.06**	**(0-30)**	**SW846 8082**
Aroclor 1260	**96**	**(34 - 150)**			**SW846 8082**
	94	**(34 - 150)**	**2.2**	**(0-30)**	**SW846 8082**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	99	(47 - 150)
	97	(47 - 150)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

Results and reporting limits have been adjusted for dry weight.

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Fluor Hanford Inc

Client Sample ID: B1L5N6

TOTAL Metals

Lot-Sample #...: F6L140269-001 **Matrix.....:** SOLID
Date Sampled...: 11/30/06 12:30 **Date Received..:** 12/13/06
% Moisture.....: 4.0

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6353123						
Silver	ND	1.0	mg/kg	SW846 6010B	12/19-12/20/06	JLG3M1CD
		Dilution Factor: 1		Analysis Time..: 18:10	MDL.....: 0.20	
Cadmium	ND	0.52	mg/kg	SW846 6010B	12/19-12/20/06	JLG3M1A9
		Dilution Factor: 1		Analysis Time..: 18:10	MDL.....: 0.14	
Chromium	**6.7**	**1.0**	**mg/kg**	**SW846 6010B**	**12/19-12/20/06**	**JLG3M1CE**
		Dilution Factor: 1		Analysis Time..: 18:10	MDL.....: 0.37	
Copper	**6.6**	**2.6**	**mg/kg**	**SW846 6010B**	**12/19-12/20/06**	**JLG3M1CA**
		Dilution Factor: 1		Analysis Time..: 18:10	MDL.....: 0.31	
Lead	**2.6**	**1.0**	**mg/kg**	**SW846 6010B**	**12/19-12/20/06**	**JLG3M1CC**
		Dilution Factor: 1		Analysis Time..: 18:10	MDL.....: 0.16	
Prep Batch #...: 6354194						
Mercury	ND	34.7	ug/kg	SW846 7471A	12/20/06	JLG3M1CF
		Dilution Factor: 1		Analysis Time..: 17:40	MDL.....: 7.0	

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: F6L140269 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: F6L190000-123 **Prep Batch #...:** 6353123						
Cadmium	ND	0.50	mg/kg	SW846 6010B	12/19-12/20/06	JLQHN1AA
		Dilution Factor: 1				
		Analysis Time..: 17:50				
Chromium	ND	1.0	mg/kg	SW846 6010B	12/19-12/20/06	JLQHN1AF
		Dilution Factor: 1				
		Analysis Time..: 17:50				
Copper	ND	2.5	mg/kg	SW846 6010B	12/19-12/20/06	JLQHN1AC
		Dilution Factor: 1				
		Analysis Time..: 17:50				
Lead	ND	1.0	mg/kg	SW846 6010B	12/19-12/20/06	JLQHN1AD
		Dilution Factor: 1				
		Analysis Time..: 17:50				
Silver	ND	1.0	mg/kg	SW846 6010B	12/19-12/20/06	JLQHN1AE
		Dilution Factor: 1				
		Analysis Time..: 17:50				
MB Lot-Sample #: F6L200000-194 **Prep Batch #...:** 6354194						
Mercury	ND	33.3	ug/kg	SW846 7471A	12/20/06	JLT931AA
		Dilution Factor: 1				
		Analysis Time..: 17:30				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

REVISED 7/27/07

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Lot-Sample #...: F6L140269 **Matrix.....:** SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP-BATCH #
Mercury	92	(65 - 135)			SW846 7471A	12/20/06	6354194
	88	(65 - 135)	4.2	(0-30)	SW846 7471A	12/20/06	6354194

Dilution Factor: 1 Analysis Time..: 17:32

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

REVISED R Allyner 7/27/07

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: F6L140269 **Matrix.....:** SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: F6L190000-123 **Prep Batch #...:** 6353123					
Cadmium	93	(81 - 119)	SW846 6010B	12/19-12/20/06	JLQHN1AG
		Dilution Factor: 1	Analysis Time..: 17:55		
Copper	90	(82 - 118)	SW846 6010B	12/19-12/20/06	JLQHN1AH
		Dilution Factor: 1	Analysis Time..: 17:55		
Lead	93	(80 - 120)	SW846 6010B	12/19-12/20/06	JLQHN1AJ
		Dilution Factor: 1	Analysis Time..: 17:55		
Silver	101	(53 - 147)	SW846 6010B	12/19-12/20/06	JLQHN1AK
		Dilution Factor: 1	Analysis Time..: 17:55		
Chromium	90	(78 - 121)	SW846 6010B	12/19-12/20/06	JLQHN1AL
		Dilution Factor: 1	Analysis Time..: 17:55		

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

REVISED D.Hayes 7/27/07

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: F6L140269 **Matrix.....:** SOLID
Date Sampled...: 11/30/06 12:30 **Date Received..:** 12/13/06

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: F6L140269-001 **Prep Batch #...:** 6353123							
						% Moisture.....: 4.0	
Cadmium	86	(75 - 125)			SW846 6010B	12/19-12/20/06	JLG3M1CU
	90	(75 - 125)	4.0	(0-30)	SW846 6010B	12/19-12/20/06	JLG3M1CV
		Dilution Factor: 1					
		Analysis Time..: 18:18					
Chromium	84	(75 - 125)			SW846 6010B	12/19-12/20/06	JLG3M1C4
	102	(75 - 125)	12	(0-30)	SW846 6010B	12/19-12/20/06	JLG3M1C5
		Dilution Factor: 1					
		Analysis Time..: 18:18					
Copper	114	(75 - 125)			SW846 6010B	12/19-12/20/06	JLG3M1CW
	109	(75 - 125)	2.9	(0-30)	SW846 6010B	12/19-12/20/06	JLG3M1CX
		Dilution Factor: 1					
		Analysis Time..: 18:18					
Lead	92	(75 - 125)			SW846 6010B	12/19-12/20/06	JLG3M1C0
	98	(75 - 125)	5.7	(0-30)	SW846 6010B	12/19-12/20/06	JLG3M1C1
		Dilution Factor: 1					
		Analysis Time..: 18:18					
Silver	63 N	(75 - 125)			SW846 6010B	12/19-12/20/06	JLG3M1C2
	66 N	(75 - 125)	4.4	(0-30)	SW846 6010B	12/19-12/20/06	JLG3M1C3
		Dilution Factor: 1					
		Analysis Time..: 18:18					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

N Spiked analyte recovery is outside stated control limits.

Results and reporting limits have been adjusted for dry weight.

REVISED Dhyers 7/27/07

Fluor Hanford Inc

Client Sample ID: B1L5N6

General Chemistry

Lot-Sample #...: F6L140269-001 **Work Order #...:** JLG3M **Matrix.....:** SOLID
Date Sampled...: 11/30/06 12:30 **Date Received..:** 12/13/06
% Moisture.....: 4.0

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Phosphate as P, Ortho	**4.2 B**	**5.2**	**mg/kg**	**SW846 9056A**	**01/04-01/05/07**	**7005073**
	Dilution Factor: 1			Analysis Time..: 07:26	MDL.....: 1.0	
pH (solid)	**8.3**	**0.10**	**No Units**	**SW846 9045C**	**12/20/06**	**6354216**
	Dilution Factor: 1			Analysis Time..: 00:00	MDL.....:	
Chloride	**0.50 B,C**	**2.1**	**mg/kg**	**SW846 9056A**	**01/04-01/05/07**	**7005069**
	Dilution Factor: 1			Analysis Time..: 07:26	MDL.....: 0.21	
Cyanide, Total	ND	0.52	mg/kg	SW846 9012A	12/19-12/21/06	6353353
	Dilution Factor: 1			Analysis Time..: 00:00	MDL.....: 0.13	
Hexavalent Chromium	ND	0.42	mg/kg	SW846 7196A	12/20/06	6354215
	Dilution Factor: 1			Analysis Time..: 00:00	MDL.....: 0.15	
Fluoride	ND	1.0	mg/kg	SW846 9056A	01/04-01/05/07	7005070
	Dilution Factor: 1			Analysis Time..: 07:26	MDL.....: 0.21	
Nitrate	**0.58**	**0.21**	**mg/kg**	**SW846 9056A**	**01/04-01/05/07**	**7005071**
	Dilution Factor: 1			Analysis Time..: 07:26	MDL.....: 0.042	
Nitrite	**0.13 B**	**0.21**	**mg/kg**	**SW846 9056A**	**01/04-01/05/07**	**7005072**
	Dilution Factor: 1			Analysis Time..: 07:26	MDL.....: 0.042	
Oil and Grease (Gravimetric)	ND	208	mg/kg	MCAWW 413.1	12/28-12/29/06	6363187
	Dilution Factor: 1			Analysis Time..: 00:00	MDL.....: 78.4	
Percent Moisture	**4.0**	**0.10**	**%**	**MCAWW 160.3 MOD**	**12/19-12/20/06**	**6353336**
	Dilution Factor: 1			Analysis Time..: 00:00	MDL.....:	
Sulfate	**4.3 B**	**5.2**	**mg/kg**	**SW846 9056A**	**01/04-01/05/07**	**7005074**
	Dilution Factor: 1			Analysis Time..: 07:26	MDL.....: 0.52	

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

B Estimated result. Result is less than RL.

C Analyte detected in method blank above the MDL/IDL.

REVISED Dayner 7/27/07

Fluor Hanford Inc

Client Sample ID: B1L5N5

General Chemistry

Lot-Sample #...: F6L140269-004 **Work Order #...:** JLJKE **Matrix.....:** SOLID
Date Sampled...: 11/30/06 12:30 **Date Received..:** 12/15/06
% Moisture.....: 2.3

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	**2.3**	**0.10**	**%**	**MCAWW 160.3 MOD**	**12/19-12/20/06**	**6353336**
		Dilution Factor: 1		Analysis Time..: 00:00	MDL.....:	

REVISED RL Dayes 7/27/07

METHOD BLANK REPORT

General Chemistry

Client Lot #...: F6L140269 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride		Work Order #: JMGRQ1AA		MB Lot-Sample #:	F7A050000-069	
	0.49 B	**2.0**	**mg/kg**	**SW846 9056A**	**01/04/07**	**7005069**
		Dilution Factor: 1				
		Analysis Time..: 06:32				
Cyanide, Total		Work Order #: JLRKR1AA		MB Lot-Sample #:	F6L190000-353	
	ND	0.50	mg/kg	SW846 9012A	12/19-12/21/06	6353353
		Dilution Factor: 1				
		Analysis Time..: 00:00				
Fluoride		Work Order #: JMGRW1AA		MB Lot-Sample #:	F7A050000-070	
	0.33 B	**1.0**	**mg/kg**	**SW846 9056A**	**01/04/07**	**7005070**
		Dilution Factor: 1				
		Analysis Time..: 06:32				
Hexavalent Chromium		Work Order #: JL2ML1AA		MB Lot-Sample #:	F6L200000-215	
	ND	0.40	mg/kg	SW846 7196A	12/20/06	6354215
		Dilution Factor: 1				
		Analysis Time..: 00:00				
Nitrate		Work Order #: JMGR31AA		MB Lot-Sample #:	F7A050000-071	
	ND	0.20	mg/kg	SW846 9056A	01/04/07	7005071
		Dilution Factor: 1				
		Analysis Time..: 06:32				
Nitrite		Work Order #: JMGR81AA		MB Lot-Sample #:	F7A050000-072	
	ND	0.20	mg/kg	SW846 9056A	01/04/07	7005072
		Dilution Factor: 1				
		Analysis Time..: 06:32				
Oil and Grease (Gravimetric)		Work Order #: JL9D91AA		MB Lot-Sample #:	F6L290000-187	
	ND	200	mg/kg	MCAWW 413.1	12/28-12/29/06	6363187
		Dilution Factor: 1				
		Analysis Time..: 00:00				
Phosphate as P, Ortho		Work Order #: JMGTF1AA		MB Lot-Sample #:	F7A050000-073	
	ND	5.0	mg/kg	SW846 9056A	01/04/07	7005073
		Dilution Factor: 1				
		Analysis Time..: 06:32				

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REVISED Mayes 7/27/07

METHOD BLANK REPORT

General Chemistry

Client Lot #...: F6L140269 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Sulfate		Work Order #: JMGTG1AA		MB Lot-Sample #:	F7A050000-074	
	ND	5.0	mg/kg	SW846 9056A	01/04/07	7005074
		Dilution Factor: 1				
		Analysis Time..: 06:32				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

B Estimated result. Result is less than RL.

REVISED RL Myers 7/27/07

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Lot-Sample #...: F6L140269 **Matrix.....:** SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride		WO#:JMGRQ1AC-LCS/JMGRQ1AD-LCSD LCS Lot-Sample#: F7A050000-069					
	105	(80 - 120)			SW846 9056A	01/04/07	7005069
	105	(80 - 120)	0.34	(0-20)	SW846 9056A	01/04/07	7005069
		Dilution Factor: 1			Analysis Time..: 06:13		
Fluoride		WO#:JMGRW1AC-LCS/JMGRW1AD-LCSD LCS Lot-Sample#: F7A050000-070					
	98	(80 - 120)			SW846 9056A	01/04/07	7005070
	96	(80 - 120)	2.1	(0-20)	SW846 9056A	01/04/07	7005070
		Dilution Factor: 1			Analysis Time..: 06:13		
Hexavalent Chromium		WO#:JL2ML1AC-LCS/JL2ML1AD-LCSD LCS Lot-Sample#: F6L200000-215					
	106	(85 - 115)			SW846 7196A	12/20/06	6354215
	106	(85 - 115)	0.0	(0-20)	SW846 7196A	12/20/06	6354215
		Dilution Factor: 1			Analysis Time..: 00:00		
Nitrate		WO#:JMGR31AC-LCS/JMGR31AD-LCSD LCS Lot-Sample#: F7A050000-071					
	109	(80 - 120)			SW846 9056A	01/04/07	7005071
	108	(80 - 120)	1.5	(0-20)	SW846 9056A	01/04/07	7005071
		Dilution Factor: 1			Analysis Time..: 06:13		
Nitrite		WO#:JMGR81AC-LCS/JMGR81AD-LCSD LCS Lot-Sample#: F7A050000-072					
	104	(80 - 120)			SW846 9056A	01/04/07	7005072
	99	(80 - 120)	4.6	(0-20)	SW846 9056A	01/04/07	7005072
		Dilutiou Factor: 1			Analysis Time..: 06:13		
Oil and Grease (Gravimetric)		WO#:JL9D91AC-LCS/JL9D91AD-LCSD LCS Lot-Sample#: F6L290000-187					
	94	(58 - 103)			MCAWW 413.1	12/28-12/29/06	6363187
	96	(58 - 103)	1.6	(0-20)	MCAWW 413.1	12/28-12/29/06	6363187
		Dilution Factor: 1			Analysis Time..: 00:00		
Phosphate as P, Ortho		WO#:JMGTF1AC-LCS/JMGTF1AD-LCSD LCS Lot-Sample#: F7A050000-073					
	105	(80 - 120)			SW846 9056A	01/04/07	7005073
	103	(80 - 120)	1.8	(0-20)	SW846 9056A	01/04/07	7005073
		Dilution Factor: 1			Analysis Time..: 06:13		

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REVISED Alyce 7/27/07

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Lot-Sample #...: F6L140269 **Matrix.....:** SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Sulfate		WO#:JMGTG1AC-LCS/JMGTG1AD-LCSD				LCS Lot-Sample#: F7A050000-074	
	101	(80 - 120)			SW846 9056A	01/04/07	7005074
	100	(80 - 120)	1.2	(0-20)	SW846 9056A	01/04/07	7005074

Dilution Factor: 1 Analysis Time..: 06:13

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

REVISED RL Dykes 7/27/07

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: F6L140269 **Matrix.....:** SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (solid)		Work Order #: JLVG41AA	LCS Lot-Sample#: F6L200000-216		
	100	(99 - 101)	SW846 9045C	12/20/06	6354216
		Dilution Factor: 1	Analysis Time..: 00:00		
Cyanide, Total		Work Order #: JLRKR1AC	LCS Lot-Sample#: F6L190000-353		
	94	(90 - 110)	SW846 9012A	12/19-12/22/06	6353353
		Dilution Factor: 1	Analysis Time..: 00:00		

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

REVISED
Nlyes
7/27/07

MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: F6L140269 **Matrix.....:** SOLID
Date Sampled...: 11/30/06 12:30 **Date Received..:** 12/13/06

Percnt Moisture: 46

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride		Work Order #...: JLG3M1AM		MS Lot-Sample #: F6L140269-001	
	102	(70 - 128)	SW846 9056A	01/04-01/05/07	7005069
		Dilution Factor: 1		Analysis Time..: 07:26	
Cyanide, Total		Work Order #...: JLG3M1AU		MS Lot-Sample #: F6L140269-001	
	75 N	(90 - 110)	SW846 9012A	12/19-12/22/06	6353353
		Dilution Factor: 1		Analysis Time..: 00:00	
Fluoride		Work Order #...: JLG3M1AN		MS Lot-Sample #: F6L140269-001	
	102	(80 - 123)	SW846 9056A	01/04-01/05/07	7005070
		Dilution Factor: 1		Analysis Time..: 07:26	
Hexavalent Chromium		Work Order #...: JLG3M1C6		MS Lot-Sample #: F6L140269-001	
	78 N	(85 - 115)	SW846 7196A	12/20/06	6354215
		Dilution Factor: 1		Analysis Time..: 00:00	
Hexavalent Chromium		Work Order #...: JLG3M1C8		MS Lot-Sample #: F6L140269-001	
	108	(85 - 115)	SW846 7196A	12/20/06	6354215
		Dilution Factor: 1		Analysis Time..: 00:00	
Nitrate		Work Order #...: JLG3M1AP		MS Lot-Sample #: F6L140269-001	
	109	(69 - 130)	SW846 9056A	01/04-01/05/07	7005071
		Dilution Factor: 1		Analysis Time..: 07:26	
Nitrite		Work Order #...: JLG3M1AQ		MS Lot-Sample #: F6L140269-001	
	88	(75 - 150)	SW846 9056A	01/04-01/05/07	7005072
		Dilution Factor: 1		Analysis Time..: 07:26	
Oil and Grease (Gravimetric)		Work Order #...: JLG3M1AW		MS Lot-Sample #: F6L140269-001	
	95	(75 - 125)	MCAWW 413.1	12/28-12/29/06	6363187
		Dilution Factor: 1		Analysis Time..: 00:00	
Phosphate as P, Ortho		Work Order #...: JLG3M1AR		MS Lot-Sample #: F6L140269-001	
	101	(70 - 143)	SW846 9056A	01/04-01/05/07	7005073
		Dilution Factor: 1		Analysis Time..: 07:26	
Sulfate		Work Order #...: JLG3M1AT		MS Lot-Sample #: F6L140269-001	
	95	(75 - 121)	SW846 9056A	01/04-01/05/07	7005074
		Dilution Factor: 1		Analysis Time..: 07:26	

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REVISED Reyes 7/27/07

MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: F6L140269 **Matrix.....:** SOLID
Date Sampled...: 11/30/06 12:30 **Date Received..:** 12/13/06

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

N Spiked analyte recovery is outside stated control limits.

Results and reporting limits have been adjusted for dry weight.

REVISED
Payne
7/27/07

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: F6L140269 **Work Order #...:** JLPV4-SMP JLPV4-DUP **Matrix.....:** SOLID

Date Sampled...: 12/14/06 14:45 **Date Received..:** 12/16/06

% Moisture.....: 46

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture						SD Lot-Sample #:	F6L180202-002	
	46.1	43.7	%	5.2	(0-30)	MCAWW 160.3 MOD	12/19-12/20/06	6353336

Dilution Factor: 1 Analysis Time..: 00:00

REVISED Dayes 7/27/07

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: F6L140269 **Work Order #...:** JLG3M-SMP JLG3M-DUP **Matrix.....:** SOLID

Date Sampled...: 11/30/06 12:30 **Date Received..:** 12/13/06

% Moisture.....: 4.0

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride						SD Lot-Sample #:	F6L140269-001	
	0.50 B,C	ND	mg/kg	200	(0-30)	SW846 9056A	01/04-01/05/07	7005069
			Dilution Factor: 1			Analysis Time..: 07:26		
Fluoride						SD Lot-Sample #:	F6L140269-001	
	ND	ND	mg/kg	0	(0-30)	SW846 9056A	01/04-01/05/07	7005070
			Dilution Factor: 1			Analysis Time..: 07:26		
Nitrate						SD Lot-Sample #:	F6L140269-001	
	0.58	ND	mg/kg	200	(0-30)	SW846 9056A	01/04-01/05/07	7005071
			Dilution Factor: 1			Analysis Time..: 07:26		
Nitrite						SD Lot-Sample #:	F6L140269-001	
	0.13 B	ND	mg/kg	200	(0-30)	SW846 9056A	01/04-01/05/07	7005072
			Dilution Factor: 1			Analysis Time..: 07:26		
Phosphate as P, Ortho						SD Lot-Sample #:	F6L140269-001	
	4.2 B	ND	mg/kg	200	(0-30)	SW846 9056A	01/04-01/05/07	7005073
			Dilution Factor: 1			Analysis Time..: 07:26		
Sulfate						SD Lot-Sample #:	F6L140269-001	
	4.3 B	1.7 B	mg/kg	87	(0-30)	SW846 9056A	01/04-01/05/07	7005074
			Dilution Factor: 1			Analysis Time..: 07:26		
Cyanide, Total						SD Lot-Sample #:	F6L140269-001	
	ND	ND	mg/kg	0	(0-30)	SW846 9012A	12/19-12/21/06	6353353
			Dilution Factor: 1			Analysis Time..: 00:00		
pH (solid)						SD Lot-Sample #:	F6L140269-001	
	8.3	8.5	No Units	2.7	(0-20)	SW846 9045C	12/20/06	6354216
			Dilution Factor: 1			Analysis Time..: 00:00		
Oil and Grease (Gravimetric)						SD Lot-Sample #:	F6L140269-001	
	ND	ND	mg/kg	0	(0-30)	MCAWW 413.1	12/28-12/29/06	6363187
			Dilution Factor: 1			Analysis Time..: 00:00		
Hexavalent Chromium						SD Lot-Sample #:	F6L140269-001	
	ND	ND	mg/kg	0	(0-30)	SW846 7196A	12/20/06	6354215
			Dilution Factor: 1			Analysis Time..: 00:00		

(Continued on next page)

REVISED RL Dyer 7/27/07

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Lot-Sample #...: F6L140269-000 **Work Order #...:** JLG3M-SMP JLG3M-DUP **Matrix.....:** SOLID

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Results and reporting limits have been adjusted for dry weight.

B Estimated result. Result is less than RL.

C Analyte detected in method blank above the MDL/IDL.

REVISED Dayes 7/27/07

LOT # F6L140269-REVISED

W05077-REVISED

STL ST. LOUIS

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F07-001-044	PAGE 1 OF 1

COLLECTOR: Pope/Pfister/Hughes/Wise / Moulton	COMPANY CONTACT: TRENT, SJ	TELEPHONE NO.: 373-5869	PROJECT COORDINATOR: TRENT, SJ
SAMPLING LOCATION: 5301, I-11-5 43-45.5FT.	PROJECT DESIGNATION: 216-A-4 and 200-E-102 Characterization Sampling and Analysis - Soil		SAF NO.: F07-001
ICE CHEST NO.	FIELD LOGBOOK NO.: HNF-N-504-1	COA: 121623E510	METHOD OF SHIPMENT: FEDERAL EXPRESS
SHIPPED TO: Severn Trent St. Louis	OFFSITE PROPERTY NO.		BILL OF LADING/AIR BILL NO.: N/A

PRICE CODE: 8N

AIR QUALITY: ☐

DATA TURNAROUND: 45 Days / 45 Days

CR539 5510

MATRIX*: W=Air, D=Drum Solids, d=Drum Liquids, L=Liquid, O=Oil, S=Soil, Sd=Sediment, T=Tissue, V=Vegetation, W=Water, Wi=Wipe, O=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS

SPECIAL HANDLING AND/OR STORAGE: Radiological tie to B1L4T8

PRESERVATION	None	Cool 4C	None	Cool 4C	Cool 4C	Cool 4C			
TYPE OF CONTAINER	aG	aG	G/P	aG	aG	aG			
NO. OF CONTAINER(S)	1	1	1	1	1	1			
VOLUME	250mL	60mL	120mL	60mL	120mL	120mL			
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	NO2/NO3 - 353.1; Chromium Hex - 7196;	SEE ITEM (2) IN SPECIAL INSTRUCTIONS	SEE ITEM (3) IN SPECIAL INSTRUCTIONS	SEE ITEM (4) IN SPECIAL INSTRUCTIONS	PCBs - 8082;			

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME									
L5N6	SOIL	11-30-06	12:30	✓	✓	✓		✓	✓	250G		
										3X125G		
										60G		

CHAIN OF POSSESSION / SIGN/ PRINT NAMES

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Hughes/Pfister/Wise	11-30-06/1400	A4 Site Reef	11-30-06/1400
A4 Site Reef	12/1/6 1215	J. Moulton	12/1/6-1215
J. Moulton	12/1/6-1400	Reef / MO-145	12/1/6-1400
Rig #1 MO-145	12/12/06 1155	Wharman	12/12/06 1155
Wharman	12/12/06 1210	S. Smith	12-12-06 1210
S. Smith STL	12-12-06 1500	Carla Burke	12-13-06 9:00 AM

SPECIAL INSTRUCTIONS

(1)IC Anions - 300.0 {Chloride, Fluoride, Nitrogen in Nitrate, Nitrogen in Nitrite, Phosphate, Sulfate} Total Cyanide - 9010; pH (Soil) - 9045; Oil & Grease - 413.1;
(2)ICP Metals - 6010B (Supertrace) {Cadmium, Chromium, Lead, Silver} ICP Metals - 6010B (Supertrace Add-On) {Copper} Mercury - 7471 - (CV);
(3)VOA - 5035/8260 (TCL); VOA - 5035/8260 - (Add-On) {1-Butanol, cis-1,2-Dichloroethylene, n-Butylbenzene, trans-1,2-Dichloroethylene}
(4)Semi-VOA - 8270B (Add-On) {Tributyl phosphate} TPH-Gasoline Range - WTPH-G; TPH-Diesel Range - WTPH-D {Total petroleum hydrocarbons - diesel range, Total petroleum hydrocarbons - kerosene range}

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

A-6003-616(01/06)

REVISED 7/27/07

LOT # F6L140269-REVISED

W05077-REVISED

STL ST. LOUIS

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F07-001-041	PAGE 1 OF 1

COLLECTOR: ope/Pfister/Hughes/Wise	COMPANY CONTACT: TRENT, SJ	TELEPHONE NO.: 373-5869	PROJECT COORDINATOR: TRENT, SJ
SAMPLING LOCATION: 5301, I-11-S 43-45.5 Ft	PROJECT DESIGNATION: 216-A-4 and 200-E-102 Characterization Sampling and Analysis - Soil		SAF NO.: F07-001
CE CHEST NO.	FIELD LOGBOOK NO.: HNF-N-504-1	COA: 121623ES10	METHOD OF SHIPMENT: FEDERAL EXPRESS
SHIPPED TO: evern Trent St. Louis	OFFSITE PROPERTY NO.		BILL OF LADING/AIR BILL NO.: N/A

PRICE CODE: 8N

DATA TURNAROUND: 45 Days / 45 Days

AIR QUALITY: ☐

CR5393455 10

MATRIX*: Air, =Drum, uids, =Drum, ids, Liquid, Oil, Soil, =Sediment, Tissue, Vegitation, =Water, =Wipe, Other

POSSIBLE SAMPLE HAZARDS/ REMARKS

SPECIAL HANDLING AND/OR STORAGE: Radiological tie to B1L4T8

PRESERVATION	Cool 4C											
TYPE OF CONTAINER	aG5*											
NO. OF CONTAINER(S)	1											
VOLUME	40mL											
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS											

QC

W05059

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME										
L5N3	SOIL	11-30-06	12:30	✓		VTAL							

CHAIN OF POSSESSION / SIGN/ PRINT NAMES

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Hughes	11-30-06 1400	A4 sidefridge	11-30-06 1400
14 J Ite REF	12/11/6-1215	D. Nucker	12/11/6-1215
Nucker	12/11/6-1400	REF / M0745	12/11/6-1400
0-745 Frig#1	12/12/06 1155	L Hanman	12/12/06 1155
Hanman	12/12/06 1210	D. Smith	12-12-06 1210
Smith	12-12-06 1500	Carla Bulz	12-13-06 9am

SPECIAL INSTRUCTIONS

(1)VOA - 5035/8260 (TCL); VOA - 5035/8260 - (Add-On) {1-Butanol, cis-1,2-Dichloroethylene, n-Butylbenzene, trans-1,2-Dichloroethylene}

MEOH -Blank-

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

A-6003-618(01/06)

REVISED 7/27/07

LOT # F6L140269-REVISED

W05077-REVISED

STL ST. LOUIS

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F07-001-042	PAGE 1 OF 1

OLLECTOR ope/Pfister/Hughes/Wise	COMPANY CONTACT TRENT, SJ	TELEPHONE NO. 373-5869	PROJECT COORDINATOR TRENT, SJ
AMPLING LOCATION 5301, I-11-S 43-45.5 FT	PROJECT DESIGNATION 216-A-4 and 200-E-102 Characterization Sampling and Analysis - Soil		SAF NO. F07-001
E CHEST NO.	FIELD LOGBOOK NO. HNF-N-504-1	COA 121623ES10	METHOD OF SHIPMENT FEDERAL EXPRESS
HIPPED TO evern Trent St. Louis	OFFSITE PROPERTY NO.		BILL OF LADING/AIR BILL NO. N/A

PRICE CODE 8N

AIR QUALITY ☐

DATA TURNAROUND 45 Days / 45 Days

12-13-06 CR5393R5510

MATRIX*	POSSIBLE SAMPLE HAZARDS/ REMARKS		
Air =Drum Uids =Drum Ids Liquid Oil Soil =Sediment Tissue Vegitation Water =Wipe Other		PRESERVATION	Cool 4C
		TYPE OF CONTAINER	aGs*
		NO. OF CONTAINER(S)	3
		VOLUME	40mL
	SPECIAL HANDLING AND/OR STORAGE Radiological tle to B1L4T8	SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME										
L5N4	SOIL	11-30-06	12:30	—		3 HX VIALS							

HAIN OF POSSESSION		SIGN/ PRINT NAMES	
LINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Hughes/Wise	11-30-06/1400	A4 Site Fridge	11-30-06/1400
LINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
4 Site Roof	12/11/6-1215	Z. Moulton	12/11/6-1215
LINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Z. Moulton	12/11/6-1400	REF. TM0745	12/11/6 1400
LINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Trig#1 TM0745	12/12/06 1155	L. Harmon	12/12/06 1155
LINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
L. Harmon	12/12/06 1210	A. Smith	12-12-06 1210
LINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
A. Smith STL	12-12-06 1500	Carla Burley	9 AM 12-13-06
LINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME

SPECIAL INSTRUCTIONS

(1)VOA - 5035/8260 (HIGH LEVEL); VOA - 5035/8260 (HIGH LEVEL) - (Add-On) {1-Butanol, cis-1,2-Dichloroethylene, n-Butylbenzene, trans-1,2-Dichloroethylene}

Split

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

A-6003-618(01/06)

REVISED

7/27/07

LOT # F6L140269-REVISED

W05077-REVISED

STL ST. LOUIS

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST		F07-001-043	PAGE 1 OF 1
COLLECTOR: ope/Pfister/Hughes/Wise /Mokler	COMPANY CONTACT: TRENT, SJ	TELEPHONE NO.: 373-5869	PROJECT COORDINATOR: TRENT, SJ	PRICE CODE: 8N
SAMPLING LOCATION: 5301, I-11-S 43-45.5 FT	PROJECT DESIGNATION: 216-A-4 and 200-E-102 Characterization Sampling and Analysis - Soil		SAF NO.: F07-001	AIR QUALITY: ☐
CHEST NO.: 3RP-07-005	FIELD LOGBOOK NO.: HNF-N-504-1	COA: 121623ES10	METHOD OF SHIPMENT: FEDERAL EXPRESS	DATA TURNAROUND: 45 Days / 45 Days
SHIPPED TO: evern Trent St. Louis	OFFSITE PROPERTY NO.: SEE MTR#18613		BILL OF LADING/AIR BILL NO.: N/A SEE PTR #18613	

MATRIX*: Air, =Drum, uids, =Drum, ids, Liquid, Oil, Soil, =Sediment, Tissue, Vegitation, =Water, =Wipe, 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)

SPECIAL HANDLING AND/OR STORAGE: Radiological tie to B1L4T8

PRESERVATION	Cool <-7C and >-20C								
TYPE OF CONTAINER	aGs*								
NO. OF CONTAINER(S)	5								
VOLUME	40mL								
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS								

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME								
L5N5	SOIL	11-30-06	12:30	✓					5x vial	12-15-06	

CHAIN OF POSSESSION — SIGN/ PRINT NAMES

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
HUGHES	11-30-06/1400	A4 site fridge	11-30-06/1400
4 SITE REF	12/6-1205	J. Mokler	12/6-1205
MOKLER PER TELECON w/ D. ALEXANDER	12-11-06 12:45 PM	M0-745 FREEZER	12-11-06/1245
M0-745 FREEZER	12-14-06/1115	D. TODAK	12-14-06/1115
D. TODAK	12-14-06/1115	FED EX	

SPECIAL INSTRUCTIONS

(1)VOA - 5035/8260 (LOW LEVEL); VOA - 5035/8260 (LOW LEVEL) - (Add-On) {1-Butanol, cis-1,2-Dichloroethylene, n-Butylbenzene, trans-1,2-Dichloroethylene}

LABORATORY SECTION	RECEIVED BY: Gil Clark 12-15-06 0915	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

A-6003-618(01/06)

REVISED 7/27/07

SAMPLE RECORD SHEET

Sample Number	Sample Suffix[1]	Empty Weight[2] (g)	Weight with Sample[3] (g)	Weight of Sample[4] (g)	Methanol Added (g)	Methanol Added (mL)	Weight of Methanol and Sample
B1L5N5	K	31.6	36.7	5.1	---	---	---
B1L5N5	L	31.4	36.4	5.0	---	---	---
B1L5N5	M	31.2	35.8	4.6	---	---	---
B1L5N5	N	31.3	36.2	4.9	---	---	---
B1L5N5	P	31.5	36.0	4.5	---	---	---
B1L5N3		30.1	30.1	0.0	4.2	5.0	34.3
B1L5N4	W	30.4	35.0	4.6	3.8	4.6	38.8
B1L5N4	X	29.7	34.4	4.7	3.9	4.8	38.3
B1L5N4	Y	30.6	35.3	4.7	4.0	4.8	39.3

[1]Sample suffix of L, K, M, N and P relate to low-level concentration samples and will not have any preservation beyond freezing between -7C and -20C.
Sample suffix of W, X, and Y relate to methanol preservation for high-level samples.

[2]Empty weight is to include all labels, stickers, bags, and anything else that will be associated with the bottle when it is weighed with the sample.
[3]Ensure that everything weighed for the empty bottle and no additional items (besides the sample) is weighed.
[4]Sample weight is the vial with sample minus the vial empty

REVISED RL Dykes 7/27/07

F6L140269 CLIENT ANALYSIS SUMMARY

Storage Loc: 2-202,VS6

Project Manager: MLH | Quote #: 73546 | SDG:

Project: | F07-001

PO#: | Report to: Steve Trent

Client: 108302 Fluor Hanford Inc | #SMPS in LOT: 3

Date Received: 2006-12-14
Analytical Due Date: 2006-12-28
Report Due Date: 2006-12-28
Report Type: B Standard Report
EDD Code: FEADII

Sample Receipt Confirmation Required ** Limited Volume Sample ** See priorities below ** RUN LCS/ LCSD's ******

Anions: CCV/CCB criteria +/-10% Anions/Metals: CRDL standard required +/-25% pH needs to be done within 24 hours of receipt

WTPH needs to include Kerosene & diesel range Report = RO2 all raw data to reporting group ** Limited Volume Sample Priority ****

1) SVOC & TPH Diesel 2) Oil & Grease 3) TOC/TIC

SAMPLE #	CLIENT SAMPLE ID	Site ID	Client Matrix	DATE/TIME SAMPLED	WORKORDER	A
1	B1L5N6			2006-11-30 / 1230	JLG3M	SOLID

SAMPLE COMMENTS:

	XX	HS	SW846	8015 MOD	Hydrocarbons, Extractable Petroleum (8015 MOD)	13	SONICATION - Low Level	01	STANDARD TEST SET	PROT: D	WRK LOC	06		
	XX	QH	SW846	8082	PCBs (8082)	71	SONICATION w/ACID STRIP (PCB)	01	STANDARD TEST SET	PROT: E	WRK LOC	06		
	XX	WU	SW846	8015 MOD	Hydrocarbons, Volatile Petroleum (8015 MOD)	15	PURGE AND TRAP - 5 mL purge	01	STANDARD TEST SET	PROT: D	WRK LOC	06		
	HG	O9	SW846	7471A	Mercury (7471A, Cold Vapor) - Solids	70	METALS, TOTAL (Method Exclusive) - Solids	5I	CLIENT: HANFORD	PROT: C	WRK LOC	06		
	CD	QM	SW846	6010B	Inductively Coupled Plasma (6010B Trace)	GK	METALS, TOTAL - 2% HCL	5I	CLIENT: HANFORD	PROT: C	WRK LOC	06		
	PB	QM	SW846	6010B	Inductively Coupled Plasma (6010B Trace)	GK	METALS, TOTAL - 2% HCL	5I	CLIENT: HANFORD	PROT: C	WRK LOC	06		
	AG	QM	SW846	6010B	Inductively Coupled Plasma (6010B Trace)	GK	METALS, TOTAL - 2% HCL	5I	CLIENT: HANFORD	PROT: C	WRK LOC	06		
	CR	QM	SW846	6010B	Inductively Coupled Plasma (6010B Trace)	GK	METALS, TOTAL - 2% HCL	5I	CLIENT: HANFORD	PROT: C	WRK LOC	06		
	CU	QM	SW846	6010B	Inductively Coupled Plasma (6010B Trace)	GK	METALS, TOTAL - 2% HCL	5I	CLIENT: HANFORD	PROT: C	WRK LOC	06		
	XX	QL	SW846	8270C	Base/Neutrals and Acids (8270C)	13	SONICATION - Low Level	01	STANDARD TEST SET	PROT: D	WRK LOC	06	TIC: Y	
	XX	QK	SW846	8260B	Volatile Organics, GC/MS (8260B)	4P	ENCORE (COLD PRESERVATION)	01	STANDARD TEST SET	PROT: V	WRK LOC	06	TIC: Y	
	XX	3C	SW846	9056A	Fluoride (9056A, Ion Chromatography)	82	LEACHATE, DI (Routine)	5I	CLIENT: HANFORD	PROT: A	WRK LOC	06		
	XX	3D	SW846	9056A	Chloride (9056A, Ion Chromatography)	82	LEACHATE, DI (Routine)	5I	CLIENT: HANFORD	PROT: A	WRK LOC	06		
	XX	3E	SW846	9056A	Nitrite as N (9056A, Ion Chromatography)	82	LEACHATE, DI (Routine)	5I	CLIENT: HANFORD	PROT: A	WRK LOC	06		
	XX	3G	SW846	9056A	Nitrate as N (9056A, Ion Chromatography)	82	LEACHATE, DI (Routine)	5I	CLIENT: HANFORD	PROT: A	WRK LOC	06		
	XX	3H	SW846	9056A	Phosphate, ortho as P (9056A, Ion Chromatography)	82	LEACHATE, DI (Routine)	5I	CLIENT: HANFORD	PROT: A	WRK LOC	06		
	XX	3I	SW846	9056A	Sulfate (9056A, Ion Chromatography)	82	LEACHATE, DI (Routine)	5I	CLIENT: HANFORD	PROT: A	WRK LOC	06		
	XX	EA	SW846	7196A	Chromium, Hexavalent (7196A)	DW	Alkaline Digestion by method 3060A	5I	CLIENT: HANFORD	PROT: B	WRK LOC	06		
	XX	HC	MCAW W	413.1	Oil and Grease (Gravimetric - 413.1)	13	SONICATION - Low Level	5I	CLIENT: HANFORD	PROT: A	WRK LOC	06		
	XX	OZ	SW846	9045C	pH (9045C) - Non-Aqueous	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: A	WRK LOC	06		
	XX	QP	SW846	9012A	Cyanide, Total (9012A, Automated)	06	DISTILLATION, MICRO/MIDI - Acid	01	STANDARD TEST SET	PROT: A	WRK LOC	06		
	XX	WM	MCAW W	160.3 MOD	Moisture, Percent (160.3)	88	NO SAMPLE PREPARATION PERFORMED / DIRECT	01	STANDARD TEST SET	PROT: A	WRK LOC	06		
D	XX	HS	SW846	8015 MOD	Hydrocarbons, Extractable Petroleum (8015 MOD)	13	SONICATION - Low Level	01	STANDARD TEST SET	PROT: D	WRK LOC	06		
D	XX	QH	SW846	8082	PCBs (8082)	71	SONICATION w/ACID STRIP (PCB)	01	STANDARD TEST SET	PROT: E	WRK LOC	06		
D	XX	QL	SW846	8270C	Base/Neutrals and Acids (8270C)	13	SONICATION - Low Level	01	STANDARD TEST SET	PROT: D	WRK LOC	06	TIC: N	
S	XX	HS	SW846	8015 MOD	Hydrocarbons, Extractable Petroleum (8015 MOD)	13	SONICATION - Low Level	01	STANDARD TEST SET	PROT: D	WRK LOC	06		
S	XX	QH	SW846	8082	PCBs (8082)	71	SONICATION w/ACID STRIP (PCB)	01	STANDARD TEST SET	PROT: E	WRK LOC	06		
S	XX	QL	SW846	8270C	Base/Neutrals and Acids (8270C)	13	SONICATION - Low Level	01	STANDARD TEST SET	PROT: D	WRK LOC	06	TIC: N	
S	XX	3C	SW846	9056A	Fluoride (9056A, Ion Chromatography)	82	LEACHATE, DI (Routine)	5I	CLIENT: HANFORD	PROT: A	WRK LOC	06		
S	XX	3D	SW846	9056A	Chloride (9056A, Ion Chromatography)	82	LEACHATE, DI (Routine)	5I	CLIENT: HANFORD	PROT: A	WRK LOC	06		
S	XX	3E	SW846	9056A	Nitrite as N (9056A, Ion Chromatography)	82	LEACHATE, DI (Routine)	5I	CLIENT: HANFORD	PROT: A	WRK LOC	06		
S	XX	3G	SW846	9056A	Nitrate as N (9056A, Ion Chromatography)	82	LEACHATE, DI (Routine)	5I	CLIENT: HANFORD	PROT: A	WRK LOC	06		
S	XX	3H	SW846	9056A	Phosphate, ortho as P (9056A, Ion Chromatography)	82	LEACHATE, DI (Routine)	5I	CLIENT: HANFORD	PROT: A	WRK LOC	06		
S	XX	3I	SW846	9056A	Sulfate (9056A, Ion Chromatography)	82	LEACHATE, DI (Routine)	5I	CLIENT: HANFORD	PROT: A	WRK LOC	06		

REVISED Dayes 7/27/07

F6L140269 CLIENT ANALYSIS SUMMARY

Storage Loc: 2-202,VS6

Project Manager: MLH | Quote #: 73546 | SDG:

Date Received: 2006-12-14

Project: F07-001

Analytical Due Date: 2006-12-28

PO#: | Report to: Steve Trent

Report Due Date: 2006-12-28

Client: 108302 Fluor Hanford Inc

Report Type: B Standard Report

#SMPS in LOT: 3 EDD Code: FEADII

Sample Receipt Confirmation Required ** Limited Volume Sample ** See priorities below **** RUN LCS/ LCSD's *****

Anions: CCV/CCB criteria +/-10% Anions/Metals: CRDL standard required +/-25% pH needs to be done within 24 hours of receipt

WTPH needs to include Kerosene & diesel range Report = RO2 all raw data to reporting group **** Limited Volume Sample Priority ****

1) SVOC & TPH Diesel 2) Oil & Grease 3) TOC/TIC

S	XX	HC	MCAW W	413.1	Oil and Grease (Gravimetric - 413.1)	13	SONICATION - Low Level	5I	CLIENT: HANFORD	PROT: A	WRK LOC	06	
S	XX	OZ	SW846	9045C	pH (9045C) - Non-Aqueous	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: A	WRK LOC	06	
S	XX	QP	SW846	9012A	Cyanide, Total (9012A, Automated)	06	DISTILLATION, MICRO/MIDI - Acid	01	STANDARD TEST SET	PROT: A	WRK LOC	06	
X	XX	3C	SW846	9056A	Fluoride (9056A, Ion Chromatography)	82	LEACHATE, DI (Routine)	5I	CLIENT: HANFORD	PROT: A	WRK LOC	06	
X	XX	3D	SW846	9056A	Chloride (9056A, Ion Chromatography)	82	LEACHATE, DI (Routine)	5I	CLIENT: HANFORD	PROT: A	WRK LOC	06	
X	XX	3E	SW846	9056A	Nitrite as N (9056A, Ion Chromatography)	82	LEACHATE, DI (Routine)	5I	CLIENT: HANFORD	PROT: A	WRK LOC	06	
X	XX	3G	SW846	9056A	Nitrate as N (9056A, Ion Chromatography)	82	LEACHATE, DI (Routine)	5I	CLIENT: HANFORD	PROT: A	WRK LOC	06	
X	XX	3H	SW846	9056A	Phosphate, ortho as P (9056A, Ion Chromatography)	82	LEACHATE, DI (Routine)	5I	CLIENT: HANFORD	PROT: A	WRK LOC	06	
X	XX	3I	SW846	9056A	Sulfate (9056A, Ion Chromatography)	82	LEACHATE, DI (Routine)	5I	CLIENT: HANFORD	PROT: A	WRK LOC	06	
X	XX	HC	MCAW W	413.1	Oil and Grease (Gravimetric - 413.1)	13	SONICATION - Low Level	5I	CLIENT: HANFORD	PROT: A	WRK LOC	06	
X	XX	OZ	SW846	9045C	pH (9045C) - Non-Aqueous	82	LEACHATE, DI (Routine)	01	STANDARD TEST SET	PROT: A	WRK LOC	06	
X	XX	QP	SW846	9012A	Cyanide, Total (9012A, Automated)	06	DISTILLATION, MICRO/MIDI - Acid	01	STANDARD TEST SET	PROT: A	WRK LOC	06	

SAMPLE #	CLIENT SAMPLE ID	Site ID	Client Matrix	DATE/TIME SAMPLED	WORKORDER	A
2	B1L5N3			2006-11-30 / 1230	JLG5L	SOLID

SAMPLE COMMENTS:

XX	QK	SW846	8260B	Volatile Organics, GC/MS (8260B)	4B	PURGE AND TRAP - Lab MEOH Ext. (Solids or Wastes)	01	STANDARD TEST SET	PROT: V	WRK LOC	06	TIC: N	
XX	WM	MCAW W	160.3 MOD	Moisture, Percent (160.3)	88	NO SAMPLE PREPARATION PERFORMED / DIRECT	01	STANDARD TEST SET	PROT: A	WRK LOC	06		

SAMPLE #	CLIENT SAMPLE ID	Site ID	Client Matrix	DATE/TIME SAMPLED	WORKORDER	A
3	B1L5N4			2006-11-30 / 1230	JLG5W	SOLID

SAMPLE COMMENTS:

XX	QK	SW846	8260B	Volatile Organics, GC/MS (8260B)	4B	PURGE AND TRAP - Lab MEOH Ext. (Solids or Wastes)	01	STANDARD TEST SET	PROT: V	WRK LOC	06	TIC: N	
XX	WM	MCAW W	160.3 MOD	Moisture, Percent (160.3)	88	NO SAMPLE PREPARATION PERFORMED / DIRECT	01	STANDARD TEST SET	PROT: A	WRK LOC	06		

SAMPLE #	CLIENT SAMPLE ID	Site ID	Client Matrix	DATE/TIME SAMPLED	WORKORDER	A
4	B1L5N5			2006-11-30 / 1230	JLJKE	SOLID

SAMPLE COMMENTS:

XX	QK	SW846	8260B	Volatile Organics, GC/MS (8260B)	4P	ENCORE (COLD PRESERVATION)	01	STANDARD TEST SET	PROT: V	WRK LOC	06	TIC: Y	
XX	WM	MCAW W	160.3 MOD	Moisture, Percent (160.3)	88	NO SAMPLE PREPARATION PERFORMED / DIRECT	01	STANDARD TEST SET	PROT: A	WRK LOC	06		

REVISED Meyers 7/27/07

- 5510 -

F6L140269

Fluor 12-14-06

Condition Upon Receipt Form

12.15.06

Client: ~~Vista Engineering~~ COC/RFA No: F07-001-041 048, 049 Date 12-13-06

Quote No: 735360 Initiated By: cjf Time: 9AM

Shipping Information

Shipper Name: FedEx

Multiple Packages Y N N/A

Shipping # (s):*

1. 7901 3653 3689
2.
3.
4.
5.
6.
7.
8.
9.
10.

Sample Temperature (s):**

1. 2°C
2.
3.
4.
5.
6.
7.
8.
9.
10.

*Numbered shipping lines correspond to Numbered Sample Temp lines

**Sample must be received at 4°C ± 2°C- If not, note contents below. Temperature variance does NOT affect the following: Metals-Liquid or Rad tests- Liquid or Solids

Condition (Circle "Y" for yes, "N" for no and "N/A" for not applicable):

1.	Y N	Was sample received broken?	8.	Y N	Sample received with Chain of Custody?
2.	Y N N/A	Was sample received with proper pH[1] ? (If not, make note below)	9.	Y N	Chain of Custody matches sample ID's on container(s)?
3.	Y N	If N/A-Was pH taken by original STL Lab?	10.	Y N	Are there custody seals present on cooler?
4.	Y N	Sample received in proper containers?	11.	Y N N/A	Do custody seals on cooler appear to be tampered with?
5.	Y N	Sample volume sufficient for analysis?	12.	Y N	Are there custody seals present on bottles?
6.	Y N N/A	Headspace in VOA or TOX liquid samples? (If Yes, note sample ID's below)	13.	Y N N/A	Do custody seals on bottles appear to be tampered with?
7.	Y N	Were contents of the cooler frisked after opening	14.	Y N	Was Internal COC/Workshare received?

[1] For DOE-AL (Pantex, LANL, Sandia) sites, pH of ALL containers received must be verified, EXCEPT VOA, TOX and soils.

Notes: Got quote ~~last day~~ OUT of hold time. SV 12.14.06 SV

Samples day before that.

B1L5N5 recvd. 12.15.06

Corrective Action:

☐ Client Contact Name: Informed by:

☐ Sample(s) processed "as is"

☐ Sample(s) on hold until: If released, notify:

Project Management Review: Date: 12-19-06

THIS FORM MUST BE COMPLETED AT THE TIME THE ITEMS ARE BEING CHECKED IN. IF ANY ITEM IS COMPLETED BY SOMEONE OTHER THAN THE INITIATOR, THEN THAT PERSON IS REQUIRED TO APPLY THEIR INITIAL AND THE DATE NEXT TO THAT ITEM.

ADMIN-0004, REVISED 03/01/06\\SIsvr01\QA\FORMS\ST-LOUIS\ADMIN\Admin004030106.doc

REVISED 7/27/07