

**APPENDIX J-2**

**DOCUMENTATION SAMPLING**

OP-TECH Environmental

Client Sample ID: 72108-JA (UPWIND)

GC/MS Semivolatiles

Lot-Sample #...: G8G220160-001    Work Order #...: KRX0P1AA    Matrix.....: AIR  
Date Sampled...: 07/21/08    Date Received...: 07/22/08  
Prep Date.....: 07/23/08    Analysis Date...: 07/29/08  
Prep Batch #...: 8206360  
Dilution Factor: 1    Method.....: EPA-2 TO-13

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
Pentachlorophenol	ND	50	ug	3.3

  

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
1,2-Dichlorobenzene-d4	68	(57 - 106)
2-Fluorophenol	78	(41 - 105)
Phenol-d5	93	(43 - 122)
2,4,6-Tribromophenol	98	(61 - 118)

OP-TECH Environmental

Client Sample ID: 72108-JB (UPWIND)

GC/MS Semivolatiles

Lot-Sample #...: G8G220160-002    Work Order #...: KRX0V1AA    Matrix.....: AIR  
 Date Sampled...: 07/21/08    Date Received...: 07/22/08  
 Prep Date.....: 07/23/08    Analysis Date...: 07/29/08  
 Prep Batch #...: 8206360  
 Dilution Factor: 1    Method.....: EPA-2 TO-13

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
Pentachlorophenol	ND	50	ug	3.3

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
1,2-Dichlorobenzene-d4	75	(57 - 106)
2-Fluorophenol	78	(41 - 105)
Phenol-d5	101	(43 - 122)
2,4,6-Tribromophenol	102	(61 - 118)

OP-TECH Environmental

Client Sample ID: 72108-JC (UPWIND)

GC/MS Semivolatiles

Lot-Sample #...: G8G220160-003    Work Order #...: KRX0W1AA    Matrix.....: AIR  
 Date Sampled...: 07/21/08    Date Received...: 07/22/08  
 Prep Date.....: 07/23/08    Analysis Date...: 07/29/08  
 Prep Batch #...: 8206360  
 Dilution Factor: 1    Method.....: EPA-2 TO-13

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
Pentachlorophenol	ND	50	ug	3.3

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
1,2-Dichlorobenzene-d4	96	(57 - 106)
2-Fluorophenol	76	(41 - 105)
Phenol-d5	93	(43 - 122)
2,4,6-Tribromophenol	106	(61 - 118)

OP-TECH Environmental

Client Sample ID: 72108-JD (DOWNWIND)

GC/MS Semivolatiles

Lot-Sample #...: G8G220160-004    Work Order #...: KRX0X1AA    Matrix.....: AIR  
Date Sampled...: 07/21/08    Date Received..: 07/22/08  
Prep Date.....: 07/23/08    Analysis Date..: 07/29/08  
Prep Batch #...: 8206360  
Dilution Factor: 1    Method.....: EPA-2 TO-13

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
Pentachlorophenol	ND	50	ug	3.3

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
1,2-Dichlorobenzene-d4	72	(57 - 106)
2-Fluorophenol	85	(41 - 105)
Phenol-d5	99	(43 - 122)
2,4,6-Tribromophenol	107	(61 - 118)

# QC DATA ASSOCIATION SUMMARY

G8G220160

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
001	AIR	EPA-2 TO-13		8206360	
002	AIR	EPA-2 TO-13		8206360	
003	AIR	EPA-2 TO-13		8206360	
004	AIR	EPA-2 TO-13		8206360	

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: G8G220160      Work Order #...: KR4XE1AA      Matrix.....: AIR  
MB Lot-Sample #: G8G240000-360  
Prep Date.....: 07/23/08  
Analysis Date..: 07/24/08      Prep Batch #...: 8206360  
Dilution Factor: 1

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
Pentachlorophenol	ND	50	ug	EPA-2 TO-13
<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>		
1,2-Dichlorobenzene-d4	86	(57 - 106)		
2-Fluorophenol	68	(41 - 105)		
Phenol-d5	84	(43 - 122)		
2,4,6-Tribromophenol	108	(61 - 118)		

**NOTE (S) :**

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: G8G220160      Work Order #...: KR4XE1AC-LCS      Matrix.....: AIR  
 LCS Lot-Sample#: G8G240000-360      KR4XE1AD-LCSD  
 Prep Date.....: 07/23/08      Analysis Date...: 07/24/08  
 Prep Batch #...: 8206360  
 Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>
Pentachlorophenol	109	(59 - 122)			EPA-2 TO-13
	114	(59 - 122)	4.1	(0-41)	EPA-2 TO-13

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
2-Fluorophenol	84	(41 - 105)
	84	(41 - 105)
Phenol-d5	101	(43 - 122)
	95	(43 - 122)
2,4,6-Tribromophenol	112	(61 - 118)
	109	(61 - 118)

**NOTE(S) :**

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

Bold print denotes control parameters



LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: G8G220160      Work Order #...: KR4XE1AC-LCS      Matrix.....: AIR  
 LCS Lot-Sample#: G8G240000-360      KR4XE1AD-LCSD  
 Prep Date.....: 07/23/08      Analysis Date...: 07/24/08  
 Prep Batch #...: 8206360  
 Dilution Factor: 1

<u>PARAMETER</u>	<u>SPIKE</u> <u>AMOUNT</u>	<u>MEASURED</u> <u>AMOUNT</u>	<u>UNITS</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RPD</u>	<u>METHOD</u>
Pentachlorophenol	100	109	ug	109		EPA-2 TO-13
	100	114	ug	114	4.1	EPA-2 TO-13
<u>SURROGATE</u>				<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>	
2-Fluorophenol				84	(41 - 105)	
				84	(41 - 105)	
Phenol-d5				101	(43 - 122)	
				95	(43 - 122)	
2,4,6-Tribromophenol				112	(61 - 118)	
				109	(61 - 118)	

**NOTE(S):**

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

Bold print denotes control parameters



OP-TECH Environmental

Client Sample ID: 72208-JA (UPWIND)

GC/MS Semivolatiles

Lot-Sample #...: G8G230153-001    Work Order #...: KR1WF1AA    Matrix.....: AIR  
 Date Sampled...: 07/22/08    Date Received...: 07/23/08  
 Prep Date.....: 07/23/08    Analysis Date...: 07/24/08  
 Prep Batch #...: 8206360  
 Dilution Factor: 1    Method.....: EPA-2 TO-13

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
Pentachlorophenol	ND	50	ug	3.3

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
1,2-Dichlorobenzene-d4	69	(57 - 106)
2-Fluorophenol	74	(41 - 105)
Phenol-d5	91	(43 - 122)
2,4,6-Tribromophenol	108	(61 - 118)

OP-TECH Environmental

Client Sample ID: 72208-JB (UPWIND)

GC/MS Semivolatiles

Lot-Sample #...: G8G230153-002    Work Order #...: KR1WH1AA    Matrix.....: AIR  
 Date Sampled...: 07/22/08    Date Received...: 07/23/08  
 Prep Date.....: 07/23/08    Analysis Date...: 07/24/08  
 Prep Batch #...: 8206360  
 Dilution Factor: 1    Method.....: EPA-2 TO-13

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
Pentachlorophenol	ND	50	ug	3.3

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
1,2-Dichlorobenzene-d4	74	(57 - 106)
2-Fluorophenol	74	(41 - 105)
Phenol-d5	96	(43 - 122)
2,4,6-Tribromophenol	108	(61 - 118)

OP-TECH Environmental

Client Sample ID: 72208-JC (UPWIND)

GC/MS Semivolatiles

Lot-Sample #...: G8G230153-003    Work Order #...: KR1WJ1AA    Matrix.....: AIR  
Date Sampled...: 07/22/08    Date Received...: 07/23/08  
Prep Date.....: 07/23/08    Analysis Date...: 07/24/08  
Prep Batch #...: 8206360  
Dilution Factor: 1    Method.....: EPA-2 TO-13

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
Pentachlorophenol	ND	50	ug	3.3
<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>		
1,2-Dichlorobenzene-d4	92	(57 - 106)		
2-Fluorophenol	70	(41 - 105)		
Phenol-d5	95	(43 - 122)		
2,4,6-Tribromophenol	108	(61 - 118)		

OP-TECH Environmental

Client Sample ID: 72208-JD (DOWNWIND)

GC/MS Semivolatiles

Lot-Sample #...: G8G230153-004    Work Order #...: KR1WK1AA    Matrix.....: AIR  
 Date Sampled...: 07/22/08    Date Received...: 07/23/08  
 Prep Date.....: 07/23/08    Analysis Date...: 07/24/08  
 Prep Batch #...: 8206360  
 Dilution Factor: 1    Method.....: EPA-2 TO-13

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
Pentachlorophenol	ND	50	ug	3.3

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
1,2-Dichlorobenzene-d4	72	(57 - 106)
2-Fluorophenol	80	(41 - 105)
Phenol-d5	100	(43 - 122)
2,4,6-Tribromophenol	115	(61 - 118)

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: G8G230153  
MB Lot-Sample #: G8G240000-360  
Analysis Date...: 07/24/08  
Dilution Factor: 1

Work Order #...: KR4XE1AA  
Prep Date.....: 07/23/08  
Prep Batch #...: 8206360

Matrix.....: AIR

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
Pentachlorophenol	ND	50	ug	EPA-2 TO-13
<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>		
1,2-Dichlorobenzene-d4	86	(57 - 106)		
2-Fluorophenol	68	(41 - 105)		
Phenol-d5	84	(43 - 122)		
2,4,6-Tribromophenol	108	(61 - 118)		

**NOTE(S):**

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #....: G8G230153      Work Order #....: KR4XE1AC-LCS      Matrix.....: AIR  
 LCS Lot-Sample#: G8G240000-360      KR4XE1AD-LCSD  
 Prep Date.....: 07/23/08      Analysis Date...: 07/24/08  
 Prep Batch #....: 8206360  
 Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>
Pentachlorophenol	109	(59 - 122)			EPA-2 TO-13
	114	(59 - 122)	4.1	(0-41)	EPA-2 TO-13

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
2-Fluorophenol	84	(41 - 105)
	84	(41 - 105)
Phenol-d5	101	(43 - 122)
	95	(43 - 122)
2,4,6-Tribromophenol	112	(61 - 118)
	109	(61 - 118)

**NOTE(S) :**

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

Bold print denotes control parameters



LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: G8G230153      Work Order #...: KR4XE1AC-LCS      Matrix.....: AIR  
 LCS Lot-Sample#: G8G240000-360      KR4XE1AD-LCSD  
 Prep Date.....: 07/23/08      Analysis Date...: 07/24/08  
 Prep Batch #...: 8206360  
 Dilution Factor: 1

<u>PARAMETER</u>	<u>SPIKE</u> <u>AMOUNT</u>	<u>MEASURED</u> <u>AMOUNT</u>	<u>UNITS</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RPD</u>	<u>METHOD</u>
Pentachlorophenol	100	109	ug	109		EPA-2 TO-13
	100	114	ug	114	4.1	EPA-2 TO-13

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
2-Fluorophenol	84	(41 - 105)
	84	(41 - 105)
Phenol-d5	101	(43 - 122)
	95	(43 - 122)
2,4,6-Tribromophenol	112	(61 - 118)
	109	(61 - 118)

**NOTE (S) :**

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

Bold print denotes control parameters



OP-TECH Environmental

Client Sample ID: 72408-J(B)A UPWIND

GC/MS Semivolatiles

Lot-Sample #....: G8G250311-001    Work Order #....: KR7PA1AA    Matrix.....: AIR  
Date Sampled....: 07/24/08    Date Received...: 07/25/08  
Prep Date.....: 07/28/08    Analysis Date...: 07/30/08  
Prep Batch #....: 8211455  
Dilution Factor: 1    Method.....: EPA-2 TO-13

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
Pentachlorophenol	ND	50	ug	3.3

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
1,2-Dichlorobenzene-d4	56 *	(57 - 106)
2-Fluorophenol	74	(41 - 105)
Phenol-d5	93	(43 - 122)
2,4,6-Tribromophenol	98	(61 - 118)

NOTE (S) :

\* Surrogate recovery is outside stated control limits.

OP-TECH Environmental

Client Sample ID: 72408-J(B)B UPWIND

GC/MS Semivolatiles

Lot-Sample #...: G8G250311-002    Work Order #...: KR7PC1AA    Matrix.....: AIR  
 Date Sampled...: 07/24/08    Date Received...: 07/25/08  
 Prep Date.....: 07/28/08    Analysis Date...: 07/30/08  
 Prep Batch #...: 8211455  
 Dilution Factor: 1    Method.....: EPA-2 TO-13

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Pentachlorophenol	ND	50	ug	3.3

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichlorobenzene-d4	55 *	(57 - 106)
2-Fluorophenol	74	(41 - 105)
Phenol-d5	92	(43 - 122)
2,4,6-Tribromophenol	102	(61 - 118)

NOTE(S) :

\* Surrogate recovery is outside stated control limits.

OP-TECH Environmental

Client Sample ID: 72408-J(B)C UPWIND

GC/MS Semivolatiles

Lot-Sample #....: G8G250311-003    Work Order #....: KR7PD1AA    Matrix.....: AIR  
Date Sampled....: 07/24/08    Date Received...: 07/25/08  
Prep Date.....: 07/28/08    Analysis Date...: 07/30/08  
Prep Batch #....: 8211455  
Dilution Factor: 1    Method.....: EPA-2 TO-13

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
Pentachlorophenol	ND	50	ug	3.3

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
1,2-Dichlorobenzene-d4	51 *	(57 - 106)
2-Fluorophenol	73	(41 - 105)
Phenol-d5	88	(43 - 122)
2,4,6-Tribromophenol	100	(61 - 118)

**NOTE(S) :**

\* Surrogate recovery is outside stated control limits.

OP-TECH Environmental

Client Sample ID: 72408-J(B)D DOWNWIND

GC/MS Semivolatiles

Lot-Sample #....: G8G250311-004    Work Order #....: KR7PE1AA    Matrix.....: AIR  
Date Sampled...: 07/24/08    Date Received...: 07/25/08  
Prep Date.....: 07/28/08    Analysis Date...: 07/30/08  
Prep Batch #....: 8211455  
Dilution Factor: 1    Method.....: EPA-2 TO-13

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
Pentachlorophenol	ND	50	ug	3.3

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
1,2-Dichlorobenzene-d4	63	(57 - 106)
2-Fluorophenol	75	(41 - 105)
Phenol-d5	93	(43 - 122)
2,4,6-Tribromophenol	98	(61 - 118)

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: G8G250311      Work Order #...: KTCG41AA      Matrix.....: AIR  
MB Lot-Sample #: G8G290000-455  
Prep Date.....: 07/28/08  
Analysis Date...: 07/30/08      Prep Batch #...: 8211455  
Dilution Factor: 1

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
Pentachlorophenol	ND	50	ug	EPA-2 TO-13
	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>		
<u>SURROGATE</u>				
1,2-Dichlorobenzene-d4	92	(57 - 106)		
2-Fluorophenol	70	(41 - 105)		
Phenol-d5	88	(43 - 122)		
2,4,6-Tribromophenol	99	(61 - 118)		

**NOTE(S):**

---

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #....: G8G250311      Work Order #....: KTCG41AC-LCS      Matrix.....: AIR  
 LCS Lot-Sample#: G8G290000-455      KTCG41AD-LCSD  
 Prep Date.....: 07/28/08      Analysis Date...: 07/30/08  
 Prep Batch #....: 8211455  
 Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>
Pentachlorophenol	101	(59 - 122)			EPA-2 TO-13
	99	(59 - 122)	1.9	(0-41)	EPA-2 TO-13

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
2-Fluorophenol	80	(41 - 105)
	82	(41 - 105)
Phenol-d5	95	(43 - 122)
	97	(43 - 122)
2,4,6-Tribromophenol	93	(61 - 118)
	94	(61 - 118)

**NOTE (S) :**

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

Bold print denotes control parameters



LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #....: G8G250311      Work Order #....: KTCG41AC-LCS      Matrix.....: AIR  
 LCS Lot-Sample#: G8G290000-455      KTCG41AD-LCSD  
 Prep Date.....: 07/28/08      Analysis Date...: 07/30/08  
 Prep Batch #....: 8211455  
 Dilution Factor: 1

<u>PARAMETER</u>	<u>SPIKE AMOUNT</u>	<u>MEASURED AMOUNT</u>	<u>UNITS</u>	<u>PERCENT RECOVERY</u>	<u>RPD</u>	<u>METHOD</u>
Pentachlorophenol	100	101	ug	101		EPA-2 TO-13
	100	99.0	ug	99	1.9	EPA-2 TO-13

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
2-Fluorophenol	80	(41 - 105)
	82	(41 - 105)
Phenol-d5	95	(43 - 122)
	97	(43 - 122)
2,4,6-Tribromophenol	93	(61 - 118)
	94	(61 - 118)

**NOTE (S) :**

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

Bold print denotes control parameters

# Chain of Custody Record

# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TAL-4142 (0907)

Client <b>OP-TECH ENV. SVS</b>		Project Manager <b>TOM ROBERT</b>		Date <b>7/24/08</b>	Chain of Custody Number <b>395153</b>
Address <b>6392 Deane Rd</b>		Telephone Number (Area Code)/Fax Number <b>315-837-4977</b>		Lab Number	Page <b>1</b> of <b>1</b>

City <b>Syracuse</b>	State <b>NY</b>	Zip Code	Site Contact <b>Joe Farrell</b>	Lab Contact	Analysis (Attach list if more space is needed)	Special Instructions/ Conditions of Receipt
Project Name and Location (State) <b>CAMP Georgetown</b>		Carrier/Waybill Number				
Contract/Purchase Order/Quote No.			Matrix		Containers & Preservatives	

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix					Containers & Preservatives						Analysis	Total Vol	
			Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH				
72408-J(B)A upwind	7/24/08	0710 1530	✓													230 x 490 = 112700
72408-J(B)B "	"	0710 1530	✓													230 x 490 = 112700
72408-J(B)C "	"	0735 1535	✓													230 x 490 = 112700
72408-J(B)D Downwind	"	0740 1540	✓													230 x 490 = 110400

Possible Hazard Identification			Sample Disposal			(A fee may be assessed if samples are retained longer than 1 month)		
<input type="checkbox"/> Non-Hazard	<input type="checkbox"/> Flammable	<input type="checkbox"/> Skin Irritant	<input type="checkbox"/> Poison B	<input type="checkbox"/> Unknown	<input type="checkbox"/> Return To Client	<input type="checkbox"/> Disposal By Lab	<input type="checkbox"/> Archive For _____ Months	

Turn Around Time Required	QC Requirements (Specify)
<input type="checkbox"/> 24 Hours <input type="checkbox"/> 48 Hours <input type="checkbox"/> 7 Days <input type="checkbox"/> 14 Days <input type="checkbox"/> 21 Days <input type="checkbox"/> Other _____	

1. Relinquished By <i>Joe Farrell</i>	Date <b>7/24/08</b>	Time <b>1700</b>	1. Received By <i>Joe Farrell</i>	Date <b>7/24/08</b>	Time <b>1700</b>
2. Relinquished By	Date	Time	2. Received By	Date	Time
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments

OP-TECH Environmental

Client Sample ID: 72508 JB-A UPWIND

GC/MS Semivolatiles

Lot-Sample #....: G8G260185-001    Work Order #....: KR8FA1AA    Matrix.....: AIR  
Date Sampled....: 07/25/08    Date Received...: 07/26/08  
Prep Date.....: 07/28/08    Analysis Date...: 07/30/08  
Prep Batch #....: 8211455  
Dilution Factor: 1    Method.....: EPA-2 TO-13

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
Pentachlorophenol	ND	50	ug	3.3

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
1,2-Dichlorobenzene-d4	54 *	(57 - 106)
2-Fluorobiphenyl	75	(58 - 105)
2-Fluorophenol	70	(41 - 105)
Nitrobenzene-d5	96	(46 - 118)
Phenol-d5	88	(43 - 122)
Terphenyl-d14	86	(69 - 110)
2,4,6-Tribromophenol	94	(61 - 118)

**NOTE (S) :**

\* Surrogate recovery is outside stated control limits.

OP-TECH Environmental

Client Sample ID: 72508 JB-B UPWIND

GC/MS Semivolatiles

Lot-Sample #....: G8G260185-002    Work Order #....: KR8FC1AA    Matrix.....: AIR  
 Date Sampled....: 07/25/08    Date Received...: 07/26/08  
 Prep Date.....: 07/28/08    Analysis Date...: 07/30/08  
 Prep Batch #....: 8211455  
 Dilution Factor: 1    Method.....: EPA-2 TO-13

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Pentachlorophenol	ND	50	ug	3.3

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichlorobenzene-d4	52 *	(57 - 106)
2-Fluorobiphenyl	75	(58 - 105)
2-Fluorophenol	73	(41 - 105)
Nitrobenzene-d5	87	(46 - 118)
Phenol-d5	93	(43 - 122)
Terphenyl-d14	88	(69 - 110)
2,4,6-Tribromophenol	102	(61 - 118)

NOTE (S) :

\* Surrogate recovery is outside stated control limits.

OP-TECH Environmental

Client Sample ID: 72508 JB-C UPWIND

GC/MS Semivolatiles

Lot-Sample #....: G8G260185-003    Work Order #....: KR8FD1AA    Matrix.....: AIR  
 Date Sampled....: 07/25/08    Date Received...: 07/26/08  
 Prep Date.....: 07/28/08    Analysis Date...: 07/30/08  
 Prep Batch #....: 8211455  
 Dilution Factor: 1    Method.....: EPA-2 TO-13

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Pentachlorophenol	ND	50	ug	3.3

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichlorobenzene-d4	56 *	(57 - 106)
2-Fluorobiphenyl	78	(58 - 105)
2-Fluorophenol	77	(41 - 105)
Nitrobenzene-d5	88	(46 - 118)
Phenol-d5	95	(43 - 122)
Terphenyl-d14	87	(69 - 110)
2,4,6-Tribromophenol	101	(61 - 118)

NOTE(S) :

\* Surrogate recovery is outside stated control limits.

OP-TECH Environmental

Client Sample ID: 72508 JB-D DOWNWIND

GC/MS Semivolatiles

Lot-Sample #....: G8G260185-004    Work Order #....: KR8FE1AA    Matrix.....: AIR  
 Date Sampled....: 07/25/08    Date Received...: 07/26/08  
 Prep Date.....: 07/28/08    Analysis Date...: 07/30/08  
 Prep Batch #....: 8211455  
 Dilution Factor: 1    Method.....: EPA-2 TO-13

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
Pentachlorophenol	ND	50	ug	3.3

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
1,2-Dichlorobenzene-d4	47 *	(57 - 106)
2-Fluorobiphenyl	81	(58 - 105)
2-Fluorophenol	78	(41 - 105)
Nitrobenzene-d5	94	(46 - 118)
Phenol-d5	92	(43 - 122)
Terphenyl-d14	86	(69 - 110)
2,4,6-Tribromophenol	99	(61 - 118)

**NOTE (S) :**

\* Surrogate recovery is outside stated control limits.

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: G8G260185  
MB Lot-Sample #: G8G290000-455

Work Order #...: KTCG41AA

Matrix.....: AIR

Prep Date.....: 07/28/08

Analysis Date...: 07/30/08

Prep Batch #...: 8211455

Dilution Factor: 1

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
Pentachlorophenol	ND	50	ug	EPA-2 TO-13

  

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
1,2-Dichlorobenzene-d4	92	(57 - 106)
2-Fluorophenol	70	(41 - 105)
Phenol-d5	88	(43 - 122)
2,4,6-Tribromophenol	99	(61 - 118)

**NOTE(S) :**

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: G8G260185      Work Order #...: KTCG41AC-LCS      Matrix.....: AIR  
 LCS Lot-Sample#: G8G290000-455      KTCG41AD-LCSD  
 Prep Date.....: 07/28/08      Analysis Date...: 07/30/08  
 Prep Batch #...: 8211455  
 Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>
Pentachlorophenol	101	(59 - 122)			EPA-2 TO-13
	99	(59 - 122)	1.9	(0-41)	EPA-2 TO-13

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
2-Fluorophenol	80	(41 - 105)
	82	(41 - 105)
Phenol-d5	95	(43 - 122)
	97	(43 - 122)
2,4,6-Tribromophenol	93	(61 - 118)
	94	(61 - 118)

**NOTE (S) :**

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

Bold print denotes control parameters



LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: G8G260185      Work Order #...: KTCG41AC-LCS      Matrix.....: AIR  
 LCS Lot-Sample#: G8G290000-455      KTCG41AD-LCSD  
 Prep Date.....: 07/28/08      Analysis Date...: 07/30/08  
 Prep Batch #...: 8211455  
 Dilution Factor: 1

<u>PARAMETER</u>	<u>SPIKE AMOUNT</u>	<u>MEASURED AMOUNT</u>	<u>UNITS</u>	<u>PERCENT RECOVERY</u>	<u>RPD</u>	<u>METHOD</u>
Pentachlorophenol	100	101	ug	101		EPA-2 TO-13
	100	99.0	ug	99	1.9	EPA-2 TO-13

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
2-Fluorophenol	80	(41 - 105)
	82	(41 - 105)
Phenol-d5	95	(43 - 122)
	97	(43 - 122)
2,4,6-Tribromophenol	93	(61 - 118)
	94	(61 - 118)

**NOTE (S) :**

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

Bold print denotes control parameters

# Chain of Custody Record

# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TAL-4142 (0907)

Client <b>OP-TECH ENV. SVS</b>		Project Manager <b>TOM RENGERT</b>		Date <b>7/25/08</b>	Chain of Custody Number <b>395145</b>
Address <b>6392 Deerc Rd</b>		Telephone Number (Area Code)/Fax Number <b>315-837-4977</b>		Lab Number	Page _____ of _____

City <b>Syracuse</b>	State <b>NY</b>	Zip Code	Site Contact <b>Joe Farrell</b>	Lab Contact	Analysis (Attach list if more space is needed)	Special Instructions/ Conditions of Receipt
Project Name and Location (State) <b>CAMP George town</b>			Carrier/Waybill Number			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix				Containers & Preservatives						Analysis (Attach list if more space is needed)	Special Instructions/ Conditions of Receipt	
			Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH			
72508 JB - A upwind	7/25/08	0720 1630	✓												230x540 = 124200
72508 JB - B upwind	7/25/08	0730 1640	✓												230x540 = 124200
72508 JB - C "	7/25/08	0800	✓												230x525 = 120750
72508 JB - D DOWNWIND	7/25/08	0850	✓												230x500 = 11500

Possible Hazard Identification			Sample Disposal			(A fee may be assessed if samples are retained longer than 1 month)		
<input type="checkbox"/> Non-Hazard	<input type="checkbox"/> Flammable	<input type="checkbox"/> Skin Irritant	<input type="checkbox"/> Poison B	<input type="checkbox"/> Unknown	<input type="checkbox"/> Return To Client	<input type="checkbox"/> Disposal By Lab	<input type="checkbox"/> Archive For _____ Months	

Turn Around Time Required	QC Requirements (Specify)
<input type="checkbox"/> 24 Hours <input type="checkbox"/> 48 Hours <input type="checkbox"/> 7 Days <input type="checkbox"/> 14 Days <input type="checkbox"/> 21 Days <input type="checkbox"/> Other _____	

1. Relinquished By <i>[Signature]</i>	Date <b>7/25/08</b>	Time <b>1835</b>	1. Received By <b>RENGERT</b>	Date <b>07/25/08</b>	Time <b>18:55</b>
2. Relinquished By	Date	Time	2. Received By	Date	Time
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments

OP-TECH Environmental

Client Sample ID: 72808CH-A

GC/MS Semivolatiles

Lot-Sample #....: G8G280182-001    Work Order #....: KR90E1AA    Matrix.....: AIR  
Date Sampled...: 07/28/08    Date Received...: 07/29/08  
Prep Date.....: 07/30/08    Analysis Date...: 07/31/08  
Prep Batch #....: 8213446  
Dilution Factor: 1    Method.....: EPA-2 TO-13

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
Pentachlorophenol	ND	50	ug	3.3
<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>		
1,2-Dichlorobenzene-d4	65	(57 - 106)		
2-Fluorophenol	54	(41 - 105)		
Phenol-d5	81	(43 - 122)		
2,4,6-Tribromophenol	98	(61 - 118)		

OP-TECH Environmental

Client Sample ID: 72808CH-B

GC/MS Semivolatiles

Lot-Sample #...: G8G280182-002    Work Order #...: KR90F1AA    Matrix.....: AIR  
Date Sampled...: 07/28/08    Date Received...: 07/29/08  
Prep Date.....: 07/30/08    Analysis Date...: 07/31/08  
Prep Batch #...: 8213446  
Dilution Factor: 1    Method.....: EPA-2 TO-13

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	<u>UNITS</u>	<u>MDL</u>
Pentachlorophenol	ND	50	ug	3.3
	<u>PERCENT</u>	<u>RECOVERY</u>		
<u>SURROGATE</u>	<u>RECOVERY</u>	<u>LIMITS</u>		
1,2-Dichlorobenzene-d4	67	(57 - 106)		
2-Fluorophenol	80	(41 - 105)		
Phenol-d5	100	(43 - 122)		
2,4,6-Tribromophenol	100	(61 - 118)		

OP-TECH Environmental

Client Sample ID: 72808CH-C

GC/MS Semivolatiles

Lot-Sample #...: G8G280182-003    Work Order #...: KR90G1AA    Matrix.....: AIR  
Date Sampled...: 07/28/08    Date Received...: 07/29/08  
Prep Date.....: 07/30/08    Analysis Date...: 07/31/08  
Prep Batch #...: 8213446  
Dilution Factor: 1    Method.....: EPA-2 TO-13

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
Pentachlorophenol	ND	50	ug	3.3
	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>		
<u>SURROGATE</u>				
1,2-Dichlorobenzene-d4	62	(57 - 106)		
2-Fluorophenol	76	(41 - 105)		
Phenol-d5	93	(43 - 122)		
2,4,6-Tribromophenol	100	(61 - 118)		

OP-TECH Environmental

Client Sample ID: 72808CH-D

GC/MS Semivolatiles

Lot-Sample #....: G8G280182-004    Work Order #....: KR90H1AA    Matrix.....: AIR  
Date Sampled....: 07/28/08    Date Received...: 07/29/08  
Prep Date.....: 07/30/08    Analysis Date...: 07/31/08  
Prep Batch #....: 8213446  
Dilution Factor: 1    Method.....: EPA-2 TO-13

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
Pentachlorophenol	ND	50	ug	3.3

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
1,2-Dichlorobenzene-d4	60	(57 - 106)
2-Fluorophenol	74	(41 - 105)
Phenol-d5	89	(43 - 122)
2,4,6-Tribromophenol	96	(61 - 118)

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: G8G280182      Work Order #...: KTGA01AA      Matrix.....: AIR  
MB Lot-Sample #: G8G310000-446  
Prep Date.....: 07/30/08  
Analysis Date...: 07/31/08      Prep Batch #...: 8213446  
Dilution Factor: 1

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>		<u>METHOD</u>
		<u>LIMIT</u>	<u>UNITS</u>	
Pentachlorophenol	ND	50	ug	EPA-2 TO-13
<u>SURROGATE</u>	<u>PERCENT</u>	<u>RECOVERY</u>		
	<u>RECOVERY</u>	<u>LIMITS</u>		
1,2-Dichlorobenzene-d4	95	(57 - 106)		
2-Fluorophenol	83	(41 - 105)		
Phenol-d5	96	(43 - 122)		
2,4,6-Tribromophenol	90	(61 - 118)		

**NOTE (S) :**

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #....: G8G280182      Work Order #....: KTGA01AC-LCS      Matrix.....: AIR  
 LCS Lot-Sample#: G8G310000-446      KTGA01AD-LCSD  
 Prep Date.....: 07/30/08      Analysis Date...: 07/31/08  
 Prep Batch #....: 8213446  
 Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>
Pentachlorophenol	86	(59 - 122)			EPA-2 TO-13
	88	(59 - 122)	2.1	(0-41)	EPA-2 TO-13

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
2-Fluorophenol	82	(41 - 105)
	80	(41 - 105)
Phenol-d5	95	(43 - 122)
	92	(43 - 122)
2,4,6-Tribromophenol	86	(61 - 118)
	97	(61 - 118)

**NOTE(S) :**

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

Bold print denotes control parameters



LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: G8G280182      Work Order #...: KTGA01AC-LCS      Matrix.....: AIR  
 LCS Lot-Sample#: G8G310000-446      KTGA01AD-LCSD  
 Prep Date.....: 07/30/08      Analysis Date...: 07/31/08  
 Prep Batch #...: 8213446  
 Dilution Factor: 1

<u>PARAMETER</u>	<u>SPIKE</u> <u>AMOUNT</u>	<u>MEASURED</u> <u>AMOUNT</u>	<u>UNITS</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RPD</u>	<u>METHOD</u>
Pentachlorophenol	100	86.3	ug	86		EPA-2 TO-13
	100	88.2	ug	88	2.1	EPA-2 TO-13

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
2-Fluorophenol	82	(41 - 105)
	80	(41 - 105)
Phenol-d5	95	(43 - 122)
	92	(43 - 122)
2,4,6-Tribromophenol	86	(61 - 118)
	97	(61 - 118)

**NOTE(S) :**

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

Bold print denotes control parameters

# Chain of Custody Record

# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TAL-4142 (0907)

Client <b>OP-TECH ENV SVS</b>		Project Manager <b>Tom Rensport</b>		Date <b>7/28/08</b>	Chain of Custody Number <b>395147</b>
Address <b>6392 Deere Rd</b>		Telephone Number (Area Code)/Fax Number <b>315-837-4977</b>		Lab Number	Page <b>1</b> of <b>1</b>

City <b>Syracuse</b>	State <b>NY</b>	Zip Code	Site Contact <b>Joe Farrell</b>	Lab Contact	Analysis (Attach list if more space is needed)	Special Instructions/ Conditions of Receipt
Project Name and Location (State) <b>Camp Scarp town</b>			Carrier/Waybill Number			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix				Containers & Preservatives						Analysis (Attach list if more space is needed)	Special Instructions/ Conditions of Receipt	
			Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH			
72808CH-A	7/28/08	0710	✓												230x490=112700
72808CH-B	7/28/08	0715	✓												230x495=113850
72808CH-C	7/28/08	0720	✓												230x505=116150
72808CH-D	7/28/08	0740	✓												230x490=112700

Possible Hazard Identification			Sample Disposal			(A fee may be assessed if samples are retained longer than 1 month)		
<input type="checkbox"/> Non-Hazard	<input type="checkbox"/> Flammable	<input type="checkbox"/> Skin Irritant	<input type="checkbox"/> Poison B	<input checked="" type="checkbox"/> Unknown	<input type="checkbox"/> Return To Client	<input checked="" type="checkbox"/> Disposal By Lab	<input type="checkbox"/> Archive For _____ Months	

Turn Around Time Required				QC Requirements (Specify)			
<input type="checkbox"/> 24 Hours	<input type="checkbox"/> 48 Hours	<input type="checkbox"/> 7 Days	<input type="checkbox"/> 14 Days	<input type="checkbox"/> 21 Days	<input type="checkbox"/> Other _____		

1. Relinquished By <b>Joe Farrell</b>	Date <b>7/28/08</b>	Time <b>17:20</b>	1. Received By <b>R English</b>	Date <b>07/28/08</b>	Time <b>17:20</b>
2. Relinquished By	Date	Time	2. Received By	Date	Time
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments

OP-TECH Environmental

Client Sample ID: 80608-LA UPWIND

GC/MS Semivolatiles

Lot-Sample #...: G8H070190-001    Work Order #...: KTQ3V1AA    Matrix.....: AIR  
Date Sampled...: 08/06/08    Date Received...: 08/07/08  
Prep Date.....: 08/11/08    Analysis Date...: 08/13/08  
Prep Batch #...: 8225377  
Dilution Factor: 1    Method.....: EPA-2 TO-13

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
Pentachlorophenol	ND	50	ug	3.3

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
1,2-Dichlorobenzene-d4	77	(57 - 106)
2-Fluorophenol	80	(41 - 105)
Phenol-d5	98	(43 - 122)
2,4,6-Tribromophenol	101	(61 - 118)

OP-TECH Environmental

Client Sample ID: 80608-LB UPWIND

GC/MS Semivolatiles

Lot-Sample #...: G8H070190-002    Work Order #...: KTQ311AA    Matrix.....: AIR  
Date Sampled...: 08/06/08    Date Received...: 08/07/08  
Prep Date.....: 08/11/08    Analysis Date...: 08/13/08  
Prep Batch #...: 8225377  
Dilution Factor: 1    Method.....: EPA-2 TO-13

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
Pentachlorophenol	ND	50	ug	3.3

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
1,2-Dichlorobenzene-d4	78	(57 - 106)
2-Fluorophenol	79	(41 - 105)
Phenol-d5	88	(43 - 122)
2,4,6-Tribromophenol	91	(61 - 118)

OP-TECH Environmental

Client Sample ID: 80608-LC UPWIND

GC/MS Semivolatiles

Lot-Sample #...: G8H070190-003    Work Order #...: KTQ321AA    Matrix.....: AIR  
Date Sampled...: 08/06/08    Date Received...: 08/07/08  
Prep Date.....: 08/11/08    Analysis Date...: 08/13/08  
Prep Batch #...: 8225377  
Dilution Factor: 1    Method.....: EPA-2 TO-13

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
Pentachlorophenol	ND	50	ug	3.3

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
1,2-Dichlorobenzene-d4	72	(57 - 106)
2-Fluorophenol	76	(41 - 105)
Phenol-d5	93	(43 - 122)
2,4,6-Tribromophenol	98	(61 - 118)

OP-TECH Environmental

Client Sample ID: 80608-LD DOWNWIND

GC/MS Semivolatiles

Lot-Sample #...: G8H070190-004    Work Order #...: KTQ331AA    Matrix.....: AIR  
Date Sampled...: 08/06/08    Date Received...: 08/07/08  
Prep Date.....: 08/11/08    Analysis Date...: 08/13/08  
Prep Batch #...: 8225377  
Dilution Factor: 1    Method.....: EPA-2 TO-13

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
Pentachlorophenol	ND	50	ug	3.3

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
1,2-Dichlorobenzene-d4	65	(57 - 106)
2-Fluorophenol	73	(41 - 105)
Phenol-d5	93	(43 - 122)
2,4,6-Tribromophenol	96	(61 - 118)

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: G8H070190  
MB Lot-Sample #: G8H120000-377

Work Order #...: KT2CF1AA

Matrix.....: AIR

Analysis Date...: 08/13/08  
Dilution Factor: 1

Prep Date.....: 08/11/08

Prep Batch #...: 8225377

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>		<u>METHOD</u>
		<u>LIMIT</u>	<u>UNITS</u>	
Pentachlorophenol	ND	50	ug	EPA-2 TO-13

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
1,2-Dichlorobenzene-d4	85	(57 - 106)
2-Fluorophenol	77	(41 - 105)
Phenol-d5	89	(43 - 122)
2,4,6-Tribromophenol	98	(61 - 118)

**NOTE(S):**

---

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: G8H070190      Work Order #...: KT2CF1AC-LCS      Matrix.....: AIR  
 LCS Lot-Sample#: G8H120000-377      KT2CF1AD-LCSD  
 Prep Date.....: 08/11/08      Analysis Date..: 08/13/08  
 Prep Batch #...: 8225377  
 Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>
Pentachlorophenol	95	(59 - 122)			EPA-2 TO-13
	100	(59 - 122)	4.8	(0-41)	EPA-2 TO-13

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
2-Fluorophenol	78	(41 - 105)
	81	(41 - 105)
Phenol-d5	90	(43 - 122)
	93	(43 - 122)
2,4,6-Tribromophenol	93	(61 - 118)
	100	(61 - 118)

**NOTE(S):**

---

Calculations are performed before rounding to avoid round-off errors in calculated results.  
 Bold print denotes control parameters



**LABORATORY CONTROL SAMPLE DATA REPORT**

**GC/MS Semivolatiles**

Client Lot #...: G8H070190      Work Order #...: KT2CF1AC-LCS      Matrix.....: AIR  
 LCS Lot-Sample#: G8H120000-377      KT2CF1AD-LCSD  
 Prep Date.....: 08/11/08      Analysis Date...: 08/13/08  
 Prep Batch #...: 8225377  
 Dilution Factor: 1

<u>PARAMETER</u>	<u>SPIKE</u> <u>AMOUNT</u>	<u>MEASURED</u> <u>AMOUNT</u>	<u>UNITS</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RPD</u>	<u>METHOD</u>
Pentachlorophenol	100	95.4	ug	95		EPA-2 TO-13
	100	100	ug	100	4.8	EPA-2 TO-13

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
2-Fluorophenol	78	(41 - 105)
	81	(41 - 105)
Phenol-d5	90	(43 - 122)
	93	(43 - 122)
2,4,6-Tribromophenol	93	(61 - 118)
	100	(61 - 118)

**NOTE(S):**

Calculations are performed before rounding to avoid round-off errors in calculated results.  
 Bold print denotes control parameters

OP-TECH Environmental

Client Sample ID: 81308-B-A

GC/MS Semivolatiles

Lot-Sample #...: G8H140186-001    Work Order #...: KT5FD1AA    Matrix.....: AIR  
Date Sampled...: 08/13/08    Date Received..: 08/14/08  
Prep Date.....: 08/14/08    Analysis Date..: 08/15/08  
Prep Batch #...: 8228249  
Dilution Factor: 1    Method.....: EPA-2 TO-13

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
Pentachlorophenol	ND	50	ug	3.3

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
1,2-Dichlorobenzene-d4	52 *	(57 - 106)
2-Fluorophenol	73	(41 - 105)
Phenol-d5	86	(43 - 122)
2,4,6-Tribromophenol	98	(61 - 118)

**NOTE(S):**

\* Surrogate recovery is outside stated control limits.

OP-TECH Environmental

Client Sample ID: 81308-B-B

GC/MS Semivolatiles

Lot-Sample #...: G8H140186-002    Work Order #...: KT5FV1AA    Matrix.....: AIR  
Date Sampled...: 08/13/08    Date Received...: 08/14/08  
Prep Date.....: 08/14/08    Analysis Date...: 08/15/08  
Prep Batch #...: 8228249  
Dilution Factor: 1    Method.....: EPA-2 TO-13

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
Pentachlorophenol	ND	50	ug	3.3

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
1,2-Dichlorobenzene-d4	73	(57 - 106)
2-Fluorophenol	78	(41 - 105)
Phenol-d5	92	(43 - 122)
2,4,6-Tribromophenol	98	(61 - 118)

OP-TECH Environmental

Client Sample ID: 81308-B-C

GC/MS Semivolatiles

Lot-Sample #...: G8H140186-003    Work Order #...: KT5FX1AA    Matrix.....: AIR  
Date Sampled...: 08/13/08    Date Received..: 08/14/08  
Prep Date.....: 08/14/08    Analysis Date..: 08/15/08  
Prep Batch #...: 8228249  
Dilution Factor: 1    Method.....: EPA-2 TO-13

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
Pentachlorophenol	ND	50	ug	3.3

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
1,2-Dichlorobenzene-d4	55 *	(57 - 106)
2-Fluorophenol	74	(41 - 105)
Phenol-d5	91	(43 - 122)
2,4,6-Tribromophenol	102	(61 - 118)

**NOTE(S):**

\* Surrogate recovery is outside stated control limits.

OP-TECH Environmental

Client Sample ID: 81308-B-D

GC/MS Semivolatiles

Lot-Sample #...: G8H140186-004    Work Order #...: KT5F01AA    Matrix.....: AIR  
Date Sampled...: 08/13/08    Date Received..: 08/14/08  
Prep Date.....: 08/14/08    Analysis Date..: 08/15/08  
Prep Batch #...: 8228249  
Dilution Factor: 1    Method.....: EPA-2 TO-13

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
Pentachlorophenol	ND	50	ug	3.3

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
1,2-Dichlorobenzene-d4	52 *	(57 - 106)
2-Fluorophenol	80	(41 - 105)
Phenol-d5	92	(43 - 122)
2,4,6-Tribromophenol	101	(61 - 118)

**NOTE(S):**

\* Surrogate recovery is outside stated control limits.

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: G8H140186  
MB Lot-Sample #: G8H150000-249

Work Order #...: KT7121AA

Matrix.....: AIR

Analysis Date...: 08/15/08  
Dilution Factor: 1

Prep Date.....: 08/14/08

Prep Batch #...: 8228249

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>		<u>METHOD</u>
		<u>LIMIT</u>	<u>UNITS</u>	
Pentachlorophenol	ND	50	ug	EPA-2 TO-13

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
1,2-Dichlorobenzene-d4	95	(57 - 106)
2-Fluorophenol	72	(41 - 105)
Phenol-d5	89	(43 - 122)
2,4,6-Tribromophenol	104	(61 - 118)

**NOTE(S):**

---

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

**LABORATORY CONTROL SAMPLE EVALUATION REPORT**

**GC/MS Semivolatiles**

Client Lot #...: G8H140186      Work Order #...: KT7121AC-LCS      Matrix.....: AIR  
 LCS Lot-Sample#: G8H150000-249      KT7121AD-LCSD  
 Prep Date.....: 08/14/08      Analysis Date..: 08/15/08  
 Prep Batch #...: 8228249  
 Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>
Pentachlorophenol	99	(59 - 122)			EPA-2 TO-13
	93	(59 - 122)	6.9	(0-41)	EPA-2 TO-13

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
2-Fluorophenol	85	(41 - 105)
	78	(41 - 105)
Phenol-d5	100	(43 - 122)
	91	(43 - 122)
2,4,6-Tribromophenol	100	(61 - 118)
	94	(61 - 118)

**NOTE(S):**

---

Calculations are performed before rounding to avoid round-off errors in calculated results.  
 Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: G8H140186      Work Order #...: KT7121AC-LCS      Matrix.....: AIR  
 LCS Lot-Sample#: G8H150000-249      KT7121AD-LCSD  
 Prep Date.....: 08/14/08      Analysis Date...: 08/15/08  
 Prep Batch #...: 8228249  
 Dilution Factor: 1

<u>PARAMETER</u>	<u>SPIKE</u> <u>AMOUNT</u>	<u>MEASURED</u> <u>AMOUNT</u>	<u>UNITS</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RPD</u>	<u>METHOD</u>
Pentachlorophenol	100	99.1	ug	99		EPA-2 TO-13
	100	92.5	ug	93	6.9	EPA-2 TO-13
<u>SURROGATE</u>				<u>PERCENT</u> <u>RECOVERY</u>		<u>RECOVERY</u> <u>LIMITS</u>
2-Fluorophenol				85		(41 - 105)
				78		(41 - 105)
Phenol-d5				100		(43 - 122)
				91		(43 - 122)
2,4,6-Tribromophenol				100		(61 - 118)
				94		(61 - 118)

**NOTE(S):**

Calculations are performed before rounding to avoid round-off errors in calculated results.  
 Bold print denotes control parameters



OP-TECH Environmental

Client Sample ID: 82208-A/D-A

GC/MS Semivolatiles

Lot-Sample #...: G8H230207-001    Work Order #...: KVPEV1AA    Matrix.....: AIR  
Date Sampled...: 08/22/08    Date Received..: 08/23/08  
Prep Date.....: 08/25/08    Analysis Date..: 08/26/08  
Prep Batch #...: 8239362  
Dilution Factor: 1    Method.....: EPA-2 TO-13

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
Pentachlorophenol	ND	50	ug	3.3

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
1,2-Dichlorobenzene-d4	65	(57 - 106)
2-Fluorophenol	77	(41 - 105)
Phenol-d5	90	(43 - 122)
2,4,6-Tribromophenol	78	(61 - 118)

OP-TECH Environmental

Client Sample ID: 82208-A/D-B

GC/MS Semivolatiles

Lot-Sample #...: G8H230207-002    Work Order #...: KVPEW1AA    Matrix.....: AIR  
Date Sampled...: 08/22/08    Date Received...: 08/23/08  
Prep Date.....: 08/25/08    Analysis Date...: 08/26/08  
Prep Batch #...: 8239362  
Dilution Factor: 1    Method.....: EPA-2 TO-13

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
Pentachlorophenol	ND	50	ug	3.3

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
1,2-Dichlorobenzene-d4	59	(57 - 106)
2-Fluorophenol	69	(41 - 105)
Phenol-d5	81	(43 - 122)
2,4,6-Tribromophenol	86	(61 - 118)

OP-TECH Environmental

Client Sample ID: 82208-A/D-C

GC/MS Semivolatiles

Lot-Sample #...: G8H230207-003    Work Order #...: KVPEX1AA    Matrix.....: AIR  
Date Sampled...: 08/22/08    Date Received..: 08/23/08  
Prep Date.....: 08/25/08    Analysis Date..: 08/26/08  
Prep Batch #...: 8239362  
Dilution Factor: 1    Method.....: EPA-2 TO-13

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
Pentachlorophenol	ND	50	ug	3.3

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
1,2-Dichlorobenzene-d4	81	(57 - 106)
2-Fluorophenol	70	(41 - 105)
Phenol-d5	79	(43 - 122)
2,4,6-Tribromophenol	95	(61 - 118)

OP-TECH Environmental

Client Sample ID: 82208-A/D-D

GC/MS Semivolatiles

Lot-Sample #...: G8H230207-004    Work Order #...: KVPE01AA    Matrix.....: AIR  
Date Sampled...: 08/22/08    Date Received...: 08/23/08  
Prep Date.....: 08/25/08    Analysis Date...: 08/26/08  
Prep Batch #...: 8239362  
Dilution Factor: 1    Method.....: EPA-2 TO-13

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
Pentachlorophenol	ND	50	ug	3.3

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
1,2-Dichlorobenzene-d4	61	(57 - 106)
2-Fluorophenol	72	(41 - 105)
Phenol-d5	85	(43 - 122)
2,4,6-Tribromophenol	74	(61 - 118)

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: G8H230207  
MB Lot-Sample #: G8H260000-362

Work Order #...: KVR5R1AA

Matrix.....: AIR

Analysis Date...: 08/26/08  
Dilution Factor: 1

Prep Date.....: 08/25/08

Prep Batch #...: 8239362

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>		<u>METHOD</u>
		<u>LIMIT</u>	<u>UNITS</u>	
Pentachlorophenol	ND	50	ug	EPA-2 TO-13

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
1,2-Dichlorobenzene-d4	94	(57 - 106)
2-Fluorophenol	79	(41 - 105)
Phenol-d5	90	(43 - 122)
2,4,6-Tribromophenol	90	(61 - 118)

**NOTE(S):**

---

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: G8H230207      Work Order #...: KVR5R1AC-LCS      Matrix.....: AIR  
 LCS Lot-Sample#: G8H260000-362      KVR5R1AD-LCSD  
 Prep Date.....: 08/25/08      Analysis Date...: 08/26/08  
 Prep Batch #...: 8239362  
 Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>
Pentachlorophenol	93	(59 - 122)			EPA-2 TO-13
	92	(59 - 122)	1.2	(0-41)	EPA-2 TO-13

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
1,2-Dichlorobenzene-d4	88	(57 - 106)
	88	(57 - 106)
2-Fluorophenol	80	(41 - 105)
	83	(41 - 105)
Phenol-d5	90	(43 - 122)
	87	(43 - 122)
2,4,6-Tribromophenol	92	(61 - 118)
	92	(61 - 118)

**NOTE(S):**

Calculations are performed before rounding to avoid round-off errors in calculated results.  
 Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: G8H230207      Work Order #...: KVR5R1AC-LCS      Matrix.....: AIR  
 LCS Lot-Sample#: G8H260000-362      KVR5R1AD-LCSD  
 Prep Date.....: 08/25/08      Analysis Date...: 08/26/08  
 Prep Batch #...: 8239362  
 Dilution Factor: 1

<u>PARAMETER</u>	<u>SPIKE</u> <u>AMOUNT</u>	<u>MEASURED</u> <u>AMOUNT</u>	<u>UNITS</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RPD</u>	<u>METHOD</u>
Pentachlorophenol	100	93.0	ug	93		EPA-2 TO-13
	100	91.9	ug	92	1.2	EPA-2 TO-13
<u>SURROGATE</u>				<u>PERCENT</u> <u>RECOVERY</u>		<u>RECOVERY</u> <u>LIMITS</u>
1,2-Dichlorobenzene-d4				88		(57 - 106)
				88		(57 - 106)
2-Fluorophenol				80		(41 - 105)
				83		(41 - 105)
Phenol-d5				90		(43 - 122)
				87		(43 - 122)
2,4,6-Tribromophenol				92		(61 - 118)
				92		(61 - 118)

**NOTE(S):**

Calculations are performed before rounding to avoid round-off errors in calculated results.  
 Bold print denotes control parameters

OP-TECH Environmental

Client Sample ID: 82808-AFE-A

GC/MS Semivolatiles

Lot-Sample #...: G8H290171-001    Work Order #...: KV2E01AA    Matrix.....: AIR  
Date Sampled...: 08/28/08    Date Received..: 08/29/08  
Prep Date.....: 08/29/08    Analysis Date..: 09/02/08  
Prep Batch #...: 8246251  
Dilution Factor: 1    Method.....: EPA-2 TO-13

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
Pentachlorophenol	ND	50	ug	3.3

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
1,2-Dichlorobenzene-d4	65	(57 - 106)
2-Fluorophenol	74	(41 - 105)
Phenol-d5	88	(43 - 122)
2,4,6-Tribromophenol	78	(61 - 118)



OP-TECH Environmental

Client Sample ID: 82808-AFE-B

GC/MS Semivolatiles

Lot-Sample #...: G8H290171-002    Work Order #...: KV2E61AA    Matrix.....: AIR  
Date Sampled...: 08/28/08    Date Received..: 08/29/08  
Prep Date.....: 08/29/08    Analysis Date..: 09/02/08  
Prep Batch #...: 8246251  
Dilution Factor: 1    Method.....: EPA-2 TO-13

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
Pentachlorophenol	ND	50	ug	3.3

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
1,2-Dichlorobenzene-d4	67	(57 - 106)
2-Fluorophenol	75	(41 - 105)
Phenol-d5	88	(43 - 122)
2,4,6-Tribromophenol	90	(61 - 118)

OP-TECH Environmental

Client Sample ID: 82808-AFE-C

GC/MS Semivolatiles

Lot-Sample #...: G8H290171-003    Work Order #...: KV2E91AA    Matrix.....: AIR  
Date Sampled...: 08/28/08    Date Received...: 08/29/08  
Prep Date.....: 08/29/08    Analysis Date...: 09/02/08  
Prep Batch #...: 8246251  
Dilution Factor: 1    Method.....: EPA-2 TO-13

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
Pentachlorophenol	ND	50	ug	3.3

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
1,2-Dichlorobenzene-d4	57	(57 - 106)
2-Fluorophenol	56	(41 - 105)
Phenol-d5	66	(43 - 122)
2,4,6-Tribromophenol	88	(61 - 118)

OP-TECH Environmental

Client Sample ID: 82808-AFE-D

GC/MS Semivolatiles

Lot-Sample #...: G8H290171-004    Work Order #...: KV2FA1AA    Matrix.....: AIR  
Date Sampled...: 08/28/08    Date Received...: 08/29/08  
Prep Date.....: 08/29/08    Analysis Date...: 09/02/08  
Prep Batch #...: 8246251  
Dilution Factor: 1    Method.....: EPA-2 TO-13

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
Pentachlorophenol	ND	50	ug	3.3

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
1,2-Dichlorobenzene-d4	57	(57 - 106)
2-Fluorophenol	62	(41 - 105)
Phenol-d5	75	(43 - 122)
2,4,6-Tribromophenol	77	(61 - 118)

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: G8H290171  
MB Lot-Sample #: G8I020000-251  
Analysis Date...: 09/02/08  
Dilution Factor: 1

Work Order #...: KV5GC1AA  
Prep Date.....: 08/29/08  
Prep Batch #...: 8246251

Matrix.....: AIR

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>		
		<u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
Pentachlorophenol	ND	50	ug	EPA-2 TO-13
<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>		
1,2-Dichlorobenzene-d4	75	(57 - 106)		
2-Fluorophenol	66	(41 - 105)		
Phenol-d5	76	(43 - 122)		
2,4,6-Tribromophenol	77	(61 - 118)		

**NOTE(S):**

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

**LABORATORY CONTROL SAMPLE EVALUATION REPORT**

**GC/MS Semivolatiles**

Client Lot #...: G8H290171      Work Order #...: KV5GC1AC-LCS      Matrix.....: AIR  
 LCS Lot-Sample#: G8I020000-251      KV5GC1AD-LCSD  
 Prep Date.....: 08/29/08      Analysis Date...: 09/02/08  
 Prep Batch #...: 8246251  
 Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>
Pentachlorophenol	<b>79</b>	<b>(59 - 122)</b>			<b>EPA-2 TO-13</b>
	<b>84</b>	<b>(59 - 122)</b>	<b>6.0</b>	<b>(0-41)</b>	<b>EPA-2 TO-13</b>

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
2-Fluorophenol	80	(41 - 105)
	84	(41 - 105)
Phenol-d5	96	(43 - 122)
	96	(43 - 122)
2,4,6-Tribromophenol	90	(61 - 118)
	98	(61 - 118)

**NOTE(S):**

---

Calculations are performed before rounding to avoid round-off errors in calculated results.  
 Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: G8H290171      Work Order #...: KV5GC1AC-LCS      Matrix.....: AIR  
 LCS Lot-Sample#: G8I020000-251      KV5GC1AD-LCSD  
 Prep Date.....: 08/29/08      Analysis Date...: 09/02/08  
 Prep Batch #...: 8246251  
 Dilution Factor: 1

<u>PARAMETER</u>	<u>SPIKE</u> <u>AMOUNT</u>	<u>MEASURED</u> <u>AMOUNT</u>	<u>UNITS</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RPD</u>	<u>METHOD</u>
Pentachlorophenol	100	79.3	ug	79		EPA-2 TO-13
	100	84.2	ug	84	6.0	EPA-2 TO-13
<u>SURROGATE</u>				<u>PERCENT</u> <u>RECOVERY</u>		<u>RECOVERY</u> <u>LIMITS</u>
2-Fluorophenol				80		(41 - 105)
				84		(41 - 105)
Phenol-d5				96		(43 - 122)
				96		(43 - 122)
2,4,6-Tribromophenol				90		(61 - 118)
				98		(61 - 118)

**NOTE(S):**

Calculations are performed before rounding to avoid round-off errors in calculated results.  
 Bold print denotes control parameters

OP-TECH Environmental

Client Sample ID: 90408-F/J/D-A

GC/MS Semivolatiles

Lot-Sample #...: G8I050156-001    Work Order #...: KWCLE1AA    Matrix.....: AIR  
Date Sampled...: 09/04/08    Date Received...: 09/05/08  
Prep Date.....: 09/05/08    Analysis Date...: 09/08/08  
Prep Batch #...: 8252437  
Dilution Factor: 1    Method.....: EPA-2 TO-13

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
Pentachlorophenol	ND	50	ug	3.3

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
1,2-Dichlorobenzene-d4	67	(57 - 106)
2-Fluorophenol	64	(41 - 105)
Phenol-d5	86	(43 - 122)
2,4,6-Tribromophenol	88	(61 - 118)

OP-TECH Environmental

Client Sample ID: 90408-F/J/D-B

GC/MS Semivolatiles

Lot-Sample #...: G8I050156-002    Work Order #...: KWCLN1AA    Matrix.....: AIR  
Date Sampled...: 09/04/08    Date Received..: 09/05/08  
Prep Date.....: 09/05/08    Analysis Date..: 09/09/08  
Prep Batch #...: 8252437  
Dilution Factor: 1    Method.....: EPA-2 TO-13

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
Pentachlorophenol	ND	50	ug	3.3

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
1,2-Dichlorobenzene-d4	65	(57 - 106)
2-Fluorophenol	65	(41 - 105)
Phenol-d5	86	(43 - 122)
2,4,6-Tribromophenol	93	(61 - 118)



OP-TECH Environmental

Client Sample ID: 90408-F/J/D-D

GC/MS Semivolatiles

Lot-Sample #...: G8I050156-003    Work Order #...: KWCLP1AA    Matrix.....: AIR  
Date Sampled...: 09/04/08    Date Received...: 09/05/08  
Prep Date.....: 09/05/08    Analysis Date...: 09/09/08  
Prep Batch #...: 8252437  
Dilution Factor: 1    Method.....: EPA-2 TO-13

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
Pentachlorophenol	ND	50	ug	3.3

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
1,2-Dichlorobenzene-d4	57	(57 - 106)
2-Fluorophenol	63	(41 - 105)
Phenol-d5	83	(43 - 122)
2,4,6-Tribromophenol	81	(61 - 118)

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: G8I050156  
MB Lot-Sample #: G8I080000-437

Work Order #...: KWGF11AA

Matrix.....: AIR

Analysis Date...: 09/08/08  
Dilution Factor: 1

Prep Date.....: 09/05/08

Prep Batch #...: 8252437

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>		<u>METHOD</u>
		<u>LIMIT</u>	<u>UNITS</u>	
Pentachlorophenol	ND	50	ug	EPA-2 TO-13

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
1,2-Dichlorobenzene-d4	76	(57 - 106)
2-Fluorophenol	66	(41 - 105)
Phenol-d5	81	(43 - 122)
2,4,6-Tribromophenol	76	(61 - 118)

**NOTE(S):**

---

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: G8I050156      Work Order #...: KWGF11AC-LCS      Matrix.....: AIR  
 LCS Lot-Sample#: G8I080000-437      KWGF11AD-LCSD  
 Prep Date.....: 09/05/08      Analysis Date..: 09/08/08  
 Prep Batch #...: 8252437  
 Dilution Factor: 1

<u>PARAMETER</u>	PERCENT <u>RECOVERY</u>	RECOVERY <u>LIMITS</u>	RPD	RPD <u>LIMITS</u>	<u>METHOD</u>
Pentachlorophenol	<b>81</b>	<b>(59 - 122)</b>			<b>EPA-2 TO-13</b>
	<b>82</b>	<b>(59 - 122)</b>	<b>2.0</b>	<b>(0-41)</b>	<b>EPA-2 TO-13</b>

<u>SURROGATE</u>	PERCENT <u>RECOVERY</u>	RECOVERY <u>LIMITS</u>
2-Fluorophenol	74	(41 - 105)
	73	(41 - 105)
Phenol-d5	86	(43 - 122)
	81	(43 - 122)
2,4,6-Tribromophenol	90	(61 - 118)
	93	(61 - 118)

**NOTE(S):**

---

Calculations are performed before rounding to avoid round-off errors in calculated results.  
 Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: G8I050156      Work Order #...: KWGF11AC-LCS      Matrix.....: AIR  
 LCS Lot-Sample#: G8I080000-437      KWGF11AD-LCSD  
 Prep Date.....: 09/05/08      Analysis Date..: 09/08/08  
 Prep Batch #...: 8252437  
 Dilution Factor: 1

<u>PARAMETER</u>	<u>SPIKE</u> <u>AMOUNT</u>	<u>MEASURED</u> <u>AMOUNT</u>	<u>UNITS</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RPD</u>	<u>METHOD</u>
Pentachlorophenol	100	80.7	ug	81		EPA-2 TO-13
	100	82.3	ug	82	2.0	EPA-2 TO-13
<u>SURROGATE</u>				<u>PERCENT</u> <u>RECOVERY</u>		<u>RECOVERY</u> <u>LIMITS</u>
2-Fluorophenol				74		(41 - 105)
				73		(41 - 105)
Phenol-d5				86		(43 - 122)
				81		(43 - 122)
2,4,6-Tribromophenol				90		(61 - 118)
				93		(61 - 118)

**NOTE(S):**

Calculations are performed before rounding to avoid round-off errors in calculated results.  
 Bold print denotes control parameters

OP-TECH Environmental

Client Sample ID: 91008-KC-A

GC/MS Semivolatiles

Lot-Sample #...: G8I120171-001    Work Order #...: KWQ011AA    Matrix.....: AIR  
Date Sampled...: 09/10/08    Date Received..: 09/12/08  
Prep Date.....: 09/12/08    Analysis Date..: 09/15/08  
Prep Batch #...: 8257063  
Dilution Factor: 1    Method.....: EPA-2 TO-13

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
Pentachlorophenol	ND	50	ug	3.3

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
1,2-Dichlorobenzene-d4	66	(57 - 106)
2-Fluorophenol	67	(41 - 105)
Phenol-d5	82	(43 - 122)
2,4,6-Tribromophenol	82	(61 - 118)

OP-TECH Environmental

Client Sample ID: 91008-KC-B

GC/MS Semivolatiles

Lot-Sample #...: G8I120171-002    Work Order #...: KWQ061AA    Matrix.....: AIR  
Date Sampled...: 09/10/08    Date Received..: 09/12/08  
Prep Date.....: 09/12/08    Analysis Date..: 09/15/08  
Prep Batch #...: 8257063  
Dilution Factor: 1    Method.....: EPA-2 TO-13

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
Pentachlorophenol	ND	50	ug	3.3

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
1,2-Dichlorobenzene-d4	63	(57 - 106)
2-Fluorophenol	71	(41 - 105)
Phenol-d5	82	(43 - 122)
2,4,6-Tribromophenol	85	(61 - 118)

OP-TECH Environmental

Client Sample ID: 91008-KC-C

GC/MS Semivolatiles

Lot-Sample #...: G8I120171-003    Work Order #...: KWQ071AA    Matrix.....: AIR  
Date Sampled...: 09/10/08    Date Received...: 09/12/08  
Prep Date.....: 09/12/08    Analysis Date...: 09/15/08  
Prep Batch #...: 8257063  
Dilution Factor: 1    Method.....: EPA-2 TO-13

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
Pentachlorophenol	ND	50	ug	3.3

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
1,2-Dichlorobenzene-d4	70	(57 - 106)
2-Fluorophenol	68	(41 - 105)
Phenol-d5	84	(43 - 122)
2,4,6-Tribromophenol	87	(61 - 118)

OP-TECH Environmental

Client Sample ID: 91008-KC-D

GC/MS Semivolatiles

Lot-Sample #...: G8I120171-004    Work Order #...: KWQ081AA    Matrix.....: AIR  
Date Sampled...: 09/10/08    Date Received...: 09/12/08  
Prep Date.....: 09/12/08    Analysis Date...: 09/15/08  
Prep Batch #...: 8257063  
Dilution Factor: 1    Method.....: EPA-2 TO-13

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
Pentachlorophenol	ND	50	ug	3.3

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
1,2-Dichlorobenzene-d4	71	(57 - 106)
2-Fluorophenol	72	(41 - 105)
Phenol-d5	89	(43 - 122)
2,4,6-Tribromophenol	89	(61 - 118)



METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: G8I120171  
MB Lot-Sample #: G8I130000-063

Work Order #...: KWVEX1AA

Matrix.....: AIR

Analysis Date...: 09/15/08  
Dilution Factor: 1

Prep Date.....: 09/12/08

Prep Batch #...: 8257063

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>		<u>METHOD</u>
		<u>LIMIT</u>	<u>UNITS</u>	
Pentachlorophenol	ND	50	ug	EPA-2 TO-13

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
1,2-Dichlorobenzene-d4	83	(57 - 106)
2-Fluorophenol	77	(41 - 105)
Phenol-d5	88	(43 - 122)
2,4,6-Tribromophenol	89	(61 - 118)

**NOTE(S):**

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: G8I120171      Work Order #...: KWVEX1AC-LCS      Matrix.....: AIR  
 LCS Lot-Sample#: G8I130000-063      KWVEX1AD-LCSD  
 Prep Date.....: 09/12/08      Analysis Date..: 09/15/08  
 Prep Batch #...: 8257063  
 Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>
Pentachlorophenol	<b>88</b>	<b>(59 - 122)</b>			<b>EPA-2 TO-13</b>
	<b>82</b>	<b>(59 - 122)</b>	<b>7.7</b>	<b>(0-41)</b>	<b>EPA-2 TO-13</b>

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
2-Fluorophenol	80	(41 - 105)
	76	(41 - 105)
Phenol-d5	91	(43 - 122)
	86	(43 - 122)
2,4,6-Tribromophenol	93	(61 - 118)
	98	(61 - 118)

**NOTE(S):**

---

Calculations are performed before rounding to avoid round-off errors in calculated results.  
 Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: G8I120171      Work Order #...: KWVEX1AC-LCS      Matrix.....: AIR  
 LCS Lot-Sample#: G8I130000-063      KWVEX1AD-LCSD  
 Prep Date.....: 09/12/08      Analysis Date...: 09/15/08  
 Prep Batch #...: 8257063  
 Dilution Factor: 1

<u>PARAMETER</u>	<u>SPIKE</u> <u>AMOUNT</u>	<u>MEASURED</u> <u>AMOUNT</u>	<u>UNITS</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RPD</u>	<u>METHOD</u>
Pentachlorophenol	100	88.4	ug	88		EPA-2 TO-13
	100	81.8	ug	82	7.7	EPA-2 TO-13
<u>SURROGATE</u>				<u>PERCENT</u> <u>RECOVERY</u>		<u>RECOVERY</u> <u>LIMITS</u>
2-Fluorophenol				80		(41 - 105)
				76		(41 - 105)
Phenol-d5				91		(43 - 122)
				86		(43 - 122)
2,4,6-Tribromophenol				93		(61 - 118)
				98		(61 - 118)

**NOTE(S):**

Calculations are performed before rounding to avoid round-off errors in calculated results.  
 Bold print denotes control parameters

OP-TECH Environmental

Client Sample ID: 91608-B-A

GC/MS Semivolatiles

Lot-Sample #...: G8I170257-001    Work Order #...: KW2651AA    Matrix.....: AIR  
Date Sampled...: 09/16/08    Date Received..: 09/17/08  
Prep Date.....: 09/18/08    Analysis Date..: 09/23/08  
Prep Batch #...: 8267341  
Dilution Factor: 1    Method.....: EPA-2 TO-13

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
Pentachlorophenol	ND	50	ug	3.3

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
1,2-Dichlorobenzene-d4	68	(57 - 106)
2-Fluorophenol	62	(41 - 105)
Phenol-d5	81	(43 - 122)
2,4,6-Tribromophenol	57 *	(61 - 118)

**NOTE(S):**

\* Surrogate recovery is outside stated control limits.

OP-TECH Environmental

Client Sample ID: 91608-B-B

GC/MS Semivolatiles

Lot-Sample #...: G8I170257-002    Work Order #...: KW2671AA    Matrix.....: AIR  
Date Sampled...: 09/16/08    Date Received...: 09/17/08  
Prep Date.....: 09/18/08    Analysis Date...: 09/23/08  
Prep Batch #...: 8267341  
Dilution Factor: 1    Method.....: EPA-2 TO-13

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
Pentachlorophenol	ND	50	ug	3.3

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
1,2-Dichlorobenzene-d4	68	(57 - 106)
2-Fluorophenol	61	(41 - 105)
Phenol-d5	84	(43 - 122)
2,4,6-Tribromophenol	99	(61 - 118)

OP-TECH Environmental

Client Sample ID: 91608-B-C

GC/MS Semivolatiles

Lot-Sample #...: G8I170257-003    Work Order #...: KW2691AA    Matrix.....: AIR  
Date Sampled...: 09/16/08    Date Received...: 09/17/08  
Prep Date.....: 09/18/08    Analysis Date...: 09/23/08  
Prep Batch #...: 8267341  
Dilution Factor: 1    Method.....: EPA-2 TO-13

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
Pentachlorophenol	ND	50	ug	3.3

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
1,2-Dichlorobenzene-d4	76	(57 - 106)
2-Fluorophenol	57	(41 - 105)
Phenol-d5	87	(43 - 122)
2,4,6-Tribromophenol	102	(61 - 118)

OP-TECH Environmental

Client Sample ID: 91608-B-D

GC/MS Semivolatiles

Lot-Sample #...: G8I170257-004    Work Order #...: KW27C1AA    Matrix.....: AIR  
Date Sampled...: 09/16/08    Date Received...: 09/17/08  
Prep Date.....: 09/18/08    Analysis Date...: 09/23/08  
Prep Batch #...: 8267341  
Dilution Factor: 1    Method.....: EPA-2 TO-13

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
Pentachlorophenol	ND	50	ug	3.3

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
1,2-Dichlorobenzene-d4	75	(57 - 106)
2-Fluorophenol	56	(41 - 105)
Phenol-d5	87	(43 - 122)
2,4,6-Tribromophenol	103	(61 - 118)

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: G8I170257  
MB Lot-Sample #: G8I230000-341

Work Order #...: KXE6G1AA

Matrix.....: AIR

Analysis Date...: 09/23/08  
Dilution Factor: 1

Prep Date.....: 09/18/08

Prep Batch #...: 8267341

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>		<u>METHOD</u>
		<u>LIMIT</u>	<u>UNITS</u>	
Pentachlorophenol	ND	50	ug	EPA-2 TO-13

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
1,2-Dichlorobenzene-d4	89	(57 - 106)
2-Fluorophenol	74	(41 - 105)
Phenol-d5	92	(43 - 122)
2,4,6-Tribromophenol	103	(61 - 118)

**NOTE(S):**

---

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



LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: G8I170257      Work Order #...: KXE6G1AC-LCS      Matrix.....: AIR  
 LCS Lot-Sample#: G8I230000-341      KXE6G1AD-LCSD  
 Prep Date.....: 09/18/08      Analysis Date..: 09/23/08  
 Prep Batch #...: 8267341  
 Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>
Pentachlorophenol	93	(59 - 122)			EPA-2 TO-13
	84	(59 - 122)	9.6	(0-41)	EPA-2 TO-13

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
2-Fluorophenol	81	(41 - 105)
	82	(41 - 105)
Phenol-d5	97	(43 - 122)
	96	(43 - 122)
2,4,6-Tribromophenol	112	(61 - 118)
	113	(61 - 118)

**NOTE(S):**

Calculations are performed before rounding to avoid round-off errors in calculated results.  
 Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: G8I170257      Work Order #...: KXE6G1AC-LCS      Matrix.....: AIR  
 LCS Lot-Sample#: G8I230000-341      KXE6G1AD-LCSD  
 Prep Date.....: 09/18/08      Analysis Date...: 09/23/08  
 Prep Batch #...: 8267341  
 Dilution Factor: 1

<u>PARAMETER</u>	<u>SPIKE</u> <u>AMOUNT</u>	<u>MEASURED</u> <u>AMOUNT</u>	<u>UNITS</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RPD</u>	<u>METHOD</u>
Pentachlorophenol	100	92.7	ug	93		EPA-2 TO-13
	100	84.2	ug	84	9.6	EPA-2 TO-13
<u>SURROGATE</u>				<u>PERCENT</u> <u>RECOVERY</u>		<u>RECOVERY</u> <u>LIMITS</u>
2-Fluorophenol				81		(41 - 105)
				82		(41 - 105)
Phenol-d5				97		(43 - 122)
				96		(43 - 122)
2,4,6-Tribromophenol				112		(61 - 118)
				113		(61 - 118)

**NOTE(S):**

Calculations are performed before rounding to avoid round-off errors in calculated results.  
 Bold print denotes control parameters

OP-TECH Environmental

Client Sample ID: 92208-ACF-A

GC/MS Semivolatiles

Lot-Sample #...: G8I230178-001    Work Order #...: KXE3C1AA    Matrix.....: AIR  
Date Sampled...: 09/22/08    Date Received..: 09/23/08  
Prep Date.....: 09/23/08    Analysis Date..: 09/24/08  
Prep Batch #...: 8268286  
Dilution Factor: 1    Method.....: EPA-2 TO-13

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
Pentachlorophenol	ND	50	ug	3.3

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
1,2-Dichlorobenzene-d4	73	(57 - 106)
2-Fluorophenol	70	(41 - 105)
Phenol-d5	91	(43 - 122)
2,4,6-Tribromophenol	113	(61 - 118)

OP-TECH Environmental

Client Sample ID: 92208-ACF-B

GC/MS Semivolatiles

Lot-Sample #...: G8I230178-002    Work Order #...: KXE3N1AA    Matrix.....: AIR  
Date Sampled...: 09/22/08    Date Received..: 09/23/08  
Prep Date.....: 09/23/08    Analysis Date..: 09/24/08  
Prep Batch #...: 8268286  
Dilution Factor: 1    Method.....: EPA-2 TO-13

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
Pentachlorophenol	ND	50	ug	3.3

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
1,2-Dichlorobenzene-d4	69	(57 - 106)
2-Fluorophenol	70	(41 - 105)
Phenol-d5	89	(43 - 122)
2,4,6-Tribromophenol	100	(61 - 118)

OP-TECH Environmental

Client Sample ID: 92208-ACF-C

GC/MS Semivolatiles

Lot-Sample #...: G8I230178-003    Work Order #...: KXE3R1AA    Matrix.....: AIR  
Date Sampled...: 09/22/08    Date Received..: 09/23/08  
Prep Date.....: 09/23/08    Analysis Date..: 09/24/08  
Prep Batch #...: 8268286  
Dilution Factor: 1    Method.....: EPA-2 TO-13

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
Pentachlorophenol	ND	50	ug	3.3

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
1,2-Dichlorobenzene-d4	67	(57 - 106)
2-Fluorophenol	66	(41 - 105)
Phenol-d5	90	(43 - 122)
2,4,6-Tribromophenol	114	(61 - 118)

OP-TECH Environmental

Client Sample ID: 92208-ACF-D

GC/MS Semivolatiles

Lot-Sample #...: G8I230178-004    Work Order #...: KXE3V1AA    Matrix.....: AIR  
Date Sampled...: 09/22/08    Date Received..: 09/23/08  
Prep Date.....: 09/23/08    Analysis Date..: 09/25/08  
Prep Batch #...: 8268286  
Dilution Factor: 1    Method.....: EPA-2 TO-13

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
Pentachlorophenol	ND	50	ug	3.3

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
1,2-Dichlorobenzene-d4	60	(57 - 106)
2-Fluorophenol	68	(41 - 105)
Phenol-d5	90	(43 - 122)
2,4,6-Tribromophenol	111	(61 - 118)

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: G8I230178  
MB Lot-Sample #: G8I240000-286  
Analysis Date...: 09/24/08  
Dilution Factor: 1

Work Order #...: KXHJR1AA  
Prep Date.....: 09/23/08  
Prep Batch #...: 8268286

Matrix.....: AIR

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>		
		<u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
Pentachlorophenol	ND	50	ug	EPA-2 TO-13
	<u>PERCENT</u>	<u>RECOVERY</u>		
<u>SURROGATE</u>	<u>RECOVERY</u>	<u>LIMITS</u>		
1,2-Dichlorobenzene-d4	83	(57 - 106)		
2-Fluorophenol	62	(41 - 105)		
Phenol-d5	86	(43 - 122)		
2,4,6-Tribromophenol	107	(61 - 118)		

**NOTE(S):**

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: G8I230178      Work Order #...: KXHJR1AC-LCS      Matrix.....: AIR  
 LCS Lot-Sample#: G8I240000-286      KXHJR1AD-LCSD  
 Prep Date.....: 09/23/08      Analysis Date..: 09/24/08  
 Prep Batch #...: 8268286  
 Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>
<b>Pentachlorophenol</b>	<b>90</b>	<b>(59 - 122)</b>			<b>EPA-2 TO-13</b>
	<b>80</b>	<b>(59 - 122)</b>	<b>12</b>	<b>(0-41)</b>	<b>EPA-2 TO-13</b>

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
2-Fluorophenol	77	(41 - 105)
	76	(41 - 105)
Phenol-d5	96	(43 - 122)
	93	(43 - 122)
2,4,6-Tribromophenol	108	(61 - 118)
	118	(61 - 118)

**NOTE(S):**

---

Calculations are performed before rounding to avoid round-off errors in calculated results.  
 Bold print denotes control parameters



LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: G8I230178      Work Order #...: KXHJR1AC-LCS      Matrix.....: AIR  
 LCS Lot-Sample#: G8I240000-286      KXHJR1AD-LCSD  
 Prep Date.....: 09/23/08      Analysis Date...: 09/24/08  
 Prep Batch #...: 8268286  
 Dilution Factor: 1

<u>PARAMETER</u>	<u>SPIKE</u> <u>AMOUNT</u>	<u>MEASURED</u> <u>AMOUNT</u>	<u>UNITS</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RPD</u>	<u>METHOD</u>
Pentachlorophenol	100	89.9	ug	90		EPA-2 TO-13
	100	79.8	ug	80	12	EPA-2 TO-13
<u>SURROGATE</u>				<u>PERCENT</u> <u>RECOVERY</u>		<u>RECOVERY</u> <u>LIMITS</u>
2-Fluorophenol				77		(41 - 105)
				76		(41 - 105)
Phenol-d5				96		(43 - 122)
				93		(43 - 122)
2,4,6-Tribromophenol				108		(61 - 118)
				118		(61 - 118)

**NOTE(S):**

Calculations are performed before rounding to avoid round-off errors in calculated results.  
 Bold print denotes control parameters

OP-TECH Environmental

Client Sample ID: 92908-GHA

GC/MS Semivolatiles

Lot-Sample #...: G8I300151-001    Work Order #...: KXVQ51AA    Matrix.....: AIR  
Date Sampled...: 09/29/08    Date Received...: 09/30/08  
Prep Date.....: 09/30/08    Analysis Date...: 10/02/08  
Prep Batch #...: 8275472  
Dilution Factor: 1    Method.....: EPA-2 TO-13

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
Pentachlorophenol	ND	50	ug	3.3

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
1,2-Dichlorobenzene-d4	72	(57 - 106)
2-Fluorophenol	73	(41 - 105)
Phenol-d5	95	(43 - 122)
2,4,6-Tribromophenol	118	(61 - 118)

OP-TECH Environmental

Client Sample ID: 92908-GHB

GC/MS Semivolatiles

Lot-Sample #...: G8I300151-002    Work Order #...: KXVQ91AA    Matrix.....: AIR  
Date Sampled...: 09/29/08    Date Received..: 09/30/08  
Prep Date.....: 09/30/08    Analysis Date..: 10/02/08  
Prep Batch #...: 8275472  
Dilution Factor: 1    Method.....: EPA-2 TO-13

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
Pentachlorophenol	ND	50	ug	3.3

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
1,2-Dichlorobenzene-d4	86	(57 - 106)
2-Fluorophenol	75	(41 - 105)
Phenol-d5	97	(43 - 122)
2,4,6-Tribromophenol	113	(61 - 118)

OP-TECH Environmental

Client Sample ID: 92908-GHC

GC/MS Semivolatiles

Lot-Sample #...: G8I300151-003    Work Order #...: KXVRA1AA    Matrix.....: AIR  
Date Sampled...: 09/29/08    Date Received..: 09/30/08  
Prep Date.....: 09/30/08    Analysis Date..: 10/02/08  
Prep Batch #...: 8275472  
Dilution Factor: 1    Method.....: EPA-2 TO-13

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
Pentachlorophenol	ND	50	ug	3.3

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
1,2-Dichlorobenzene-d4	83	(57 - 106)
2-Fluorophenol	73	(41 - 105)
Phenol-d5	97	(43 - 122)
2,4,6-Tribromophenol	110	(61 - 118)

OP-TECH Environmental

Client Sample ID: 92908-GHD

GC/MS Semivolatiles

Lot-Sample #...: G8I300151-004    Work Order #...: KXVRD1AA    Matrix.....: AIR  
Date Sampled...: 09/29/08    Date Received..: 09/30/08  
Prep Date.....: 09/30/08    Analysis Date..: 10/02/08  
Prep Batch #...: 8275472  
Dilution Factor: 1    Method.....: EPA-2 TO-13

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
Pentachlorophenol	ND	50	ug	3.3

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
1,2-Dichlorobenzene-d4	83	(57 - 106)
2-Fluorophenol	71	(41 - 105)
Phenol-d5	92	(43 - 122)
2,4,6-Tribromophenol	120 *	(61 - 118)

**NOTE(S):**

\* Surrogate recovery is outside stated control limits.

# QC DATA ASSOCIATION SUMMARY

G8I300151

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
001	AIR	EPA-2 TO-13		8275472	
002	AIR	EPA-2 TO-13		8275472	
003	AIR	EPA-2 TO-13		8275472	
004	AIR	EPA-2 TO-13		8275472	

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: G8I300151  
MB Lot-Sample #: G8J010000-472

Work Order #...: KX1AJ1AA

Matrix.....: AIR

Prep Date.....: 09/30/08

Analysis Date..: 10/02/08

Prep Batch #...: 8275472

Dilution Factor: 1

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>		<u>METHOD</u>
		<u>LIMIT</u>	<u>UNITS</u>	
Pentachlorophenol	ND	50	ug	EPA-2 TO-13

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
1,2-Dichlorobenzene-d4	94	(57 - 106)
2-Fluorophenol	75	(41 - 105)
Phenol-d5	95	(43 - 122)
2,4,6-Tribromophenol	112	(61 - 118)

**NOTE(S):**

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: G8I300151      Work Order #...: KX1AJ1AC-LCS      Matrix.....: AIR  
 LCS Lot-Sample#: G8J010000-472      KX1AJ1AD-LCSD  
 Prep Date.....: 09/30/08      Analysis Date...: 10/02/08  
 Prep Batch #...: 8275472  
 Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>
Pentachlorophenol	<b>94</b>	<b>(59 - 122)</b>			<b>EPA-2 TO-13</b>
	<b>98</b>	<b>(59 - 122)</b>	<b>3.5</b>	<b>(0-41)</b>	<b>EPA-2 TO-13</b>

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
2-Fluorophenol	82	(41 - 105)
	81	(41 - 105)
Phenol-d5	94	(43 - 122)
	98	(43 - 122)
2,4,6-Tribromophenol	113	(61 - 118)
	115	(61 - 118)

**NOTE(S):**

Calculations are performed before rounding to avoid round-off errors in calculated results.  
 Bold print denotes control parameters



LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: G8I300151      Work Order #...: KX1AJ1AC-LCS      Matrix.....: AIR  
 LCS Lot-Sample#: G8J010000-472      KX1AJ1AD-LCSD  
 Prep Date.....: 09/30/08      Analysis Date...: 10/02/08  
 Prep Batch #...: 8275472  
 Dilution Factor: 1

<u>PARAMETER</u>	<u>SPIKE</u> <u>AMOUNT</u>	<u>MEASURED</u> <u>AMOUNT</u>	<u>UNITS</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RPD</u>	<u>METHOD</u>
Pentachlorophenol	100	94.3	ug	94		EPA-2 TO-13
	100	97.7	ug	98	3.5	EPA-2 TO-13

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
2-Fluorophenol	82	(41 - 105)
	81	(41 - 105)
Phenol-d5	94	(43 - 122)
	98	(43 - 122)
2,4,6-Tribromophenol	113	(61 - 118)
	115	(61 - 118)

**NOTE(S):**

Calculations are performed before rounding to avoid round-off errors in calculated results.  
 Bold print denotes control parameters

**OP-TECH Environmental Services, Inc**

**6392 Deere Road  
Syracuse, NY 13206**

Phone (315) 463 -1643 Fax (315) 463-9764

**LETTER OF TRANSMITTAL**

**Date:** August 6, 2008

**Job No.**

**Attention:** Craig Pawleski

**RE:** Transmittal No. **036**

**TO:** Craig Pawleski  
 URS Corporation  
 77 Goodell Street  
 Buffalo, NY 14203

**Camp Georgetown Remedial Excavation**

**Contract No. D006614**

**WE ARE SENDING YOU:**  Attached  Under a separate cover via \_\_\_\_\_ The following items:

Shop Drawings  Change Order  Prints  Plans  Specifications

Copy of Letter  Samples  Contract  C.D. \_\_\_\_\_

COPIES	DATE	NUMBER	DESCRIPTION
1	August 6, 2008	1	Documentation Monitoring-First Five Days

**THESE ARE TRANSMITTED as checked below:**

For Approval  Resubmitt \_\_\_\_\_ Copies for Approval  Approved as Submitted

For Your Use  Resubmit \_\_\_\_\_ Copies for distribution  Approved as Noted

As Requested  Return \_\_\_\_\_ Corrected Prints  Returned for Corrections

For Review and Comment  \_\_\_\_\_  FOR BIDS DUE \_\_\_\_\_ 20\_\_

**Remarks:**

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Signed: \_\_\_\_\_  
 Tom Rengert - Project Manager

CC: \_\_\_\_\_

