ATTACHMENT 7

Table 1, Drinking Water and Internal Pipe Crust Results - Detected VOCs and SVOCs Water and Internal Crust Samples from Sites Near Dodge Avenue Water Main Replacement, an attachment to the February 12, 2016 email to L. Nelson, Region 5 ("Table 1")	**Attachment 1**
Exhibit B-7 to the September 25, 2015 letter to S. Hedman, sampling locations referenced in Table 1	**Attachment 2**
Locations of Interior Pipe Crust referenced in Table 1	**See February 2016 SCS Report, Figure 1, Dodge Avenue Utilities and Sample Locations**
Laboratory Reports referenced in Table 1	**Group Attachment 3**

ATTACHMENT 1

Table 1. Drinking Water and Internal Pipe Crust Results - Detected VOCs and SVOCs

Water and Internal Crust Samples from Sites Near Dodge Avenue Water Main Replacement, Illinois

SCS Engineers Project #25214107.00

(Results are in µg/L)

Site	Media	Date Collected	Lab Report Date	Lab Report Number	Compound	Type	Value (ug/l)	Lab Method Detection Limit (ug/l)	IEPA Reporting Limit (ug/l)	Lab Reporting Limit (ug/l) (if different than IEPA)	Maximum Contaminant Level (ug/l in water)	Present in Water and Crust
Site 1 E	Water	9/4/15	9/18/15	680-116473-7	Fluoranthene	SVOC	0.02 J	**0.019**		0.19		x
Site 1 E	Water	9/4/15	9/18/15	680-116473-7	Phenanthrene	SVOC	0.028 J	**0.019**		0.19		x
Site 1 L	Water	9/4/15	9/18/15	680-116473-8	Fluoranthene	SVOC	.022 J	**0.019**		0.19		x
Site 1 L	Water	9/4/15	9/18/15	680-116473-8	Phenanthrene	SVOC	.042 J	**0.019**		0.19		x
Site 1 R2 E	Water	10/6/15	10/19/15	680-117534-1	Fluoranthene	SVOC	.029 J H	**0.02**		0.19		x
Site 1 R2 E	Water	10/6/15	10/19/15	680-117534-1	Phenanthrene	SVOC	.042 J H	**0.02**		0.19		x
Interior Pipe Crust 78+10/7'	Crust	8/19/15	8/27/15	500-100137-4	Fluoranthene	SVOC	7100	**45**		**240**		x
Interior Pipe Crust 78+10/7'	Crust	8/19/15	8/27/15	500-100137-4	Phenanthrene	SVOC	6000	**34**		**240**		x
Interior Pipe Crust 71+50/7'	Crust	8/20/15	8/31/15	500-100240-4	Fluoranthene	SVOC	1200	**84**		**450**		x
Interior Pipe Crust 71+50/7'	Crust	8/20/15	8/31/15	500-100240-4	Phenanthrene	SVOC	1700	**63**		**450**		x

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Water and Internal Crust Samples from Sites Near Dodge Avenue Water Main Replacement, Illinois

SCS Engineers Project #25214107.00

(Results are in µg/L)

Site	Media	Date Collected	Lab Report Date	Lab Report Number	Compound	Type	Value (ug/l)	Lab Method Detection Limit (ug/l) Bold font if exceeded	IEPA Reporting Limit (ug/l) Bold font if exceeded	Lab Reporting Limit (ug/l) (if different than IEPA) Bold font if exceeded	Maximum Contaminant Level (ug/l in water) Bold font if exceeded	Present in Water and Crust
Site 1 E	Water	9/4/2015	9/18/2015	680-116473-7	Bromoform	VOC	0.66	**0.17**	1	**0.5**		
Site 1 E	Water	9/4/2015	9/18/2015	680-116473-7	Chlorodibromomethane	VOC	4.7	**0.13**	**1**	**0.5**		
Site 1 E	Water	9/4/2015	9/18/2015	680-116473-7	Chloroform	VOC	11	**0.2**	**1**	**0.5**		
Site 1 E	Water	9/4/2015	9/18/2015	680-116473-7	Dichlorobromomethane	VOC	8.5	**0.079**	**1**	**0.5**		
Site 1 E	Water	9/4/2015	9/18/2015	680-116473-7	Atrazine	SVOC	.043 J	**0.021**	0.3	0.19	3	
Site 1 E	Water	9/4/2015	9/18/2015	680-116473-7	Fluoranthene	SVOC	0.02 J	**0.019**		0.19		**X**
Site 1 E	Water	9/4/2015	9/18/2015	680-116473-7	Phenanthrene	SVOC	0.028 J	**0.019**		0.19		**X**
Site 1 L	Water	9/4/2015	9/18/2015	680-116473-8	Bromoform	VOC	0.5	**0.17**	1	**0.5**		
Site 1 L	Water	9/4/2015	9/18/2015	680-116473-8	Chlorodibromomethane	VOC	4.5	**0.13**	**1**	**0.5**		
Site 1 L	Water	9/4/2015	9/18/2015	680-116473-8	Chloroform	VOC	10	**0.2**	**1**	**0.5**		
Site 1 L	Water	9/4/2015	9/18/2015	680-116473-8	Dichlorobromomethane	VOC	8.1	**0.079**	**1**	**0.5**		

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Water and Internal Crust Samples from Sites Near Dodge Avenue Water Main Replacement, Illinois

SCS Engineers Project #25214107.00

(Results are in µg/L)

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								Bold font if exceeded	Bold font if exceeded	Bold font if exceeded	Bold font if exceeded	
Site 1 L	Water	9/4/2015	9/18/2015	680-116473-8	Fluoranthene	SVOC	.022 J	**0.019**		0.19		X
Site 1 L	Water	9/4/2015	9/18/2015	680-116473-8	Phenanthrene	SVOC	.042 J	**0.019**		0.19		X
Site 2 E	Water	9/4/2015	9/18/2015	680-116473-1	Bromoform	VOC	0.61	**0.17**	1	**0.5**		
Site 2 E	Water	9/4/2015	9/18/2015	680-116473-1	Chlorodibromomethane	VOC	4.7	**0.13**	**1**	**0.5**		
Site 2 E	Water	9/4/2015	9/18/2015	680-116473-1	Chloroform	VOC	11	**0.2**	**1**	**0.5**		
Site 2 E	Water	9/4/2015	9/18/2015	680-116473-1	Dichlorobromomethane	VOC	8.5	**0.079**	**1**	**0.5**		
Site 2 E	Water	9/4/2015	9/18/2015	680-116473-1	Atrazine	SVOC	.042 J	**0.021**	0.3	0.19	3	
Site 2 L	Water	9/4/2015	9/18/2015	680-116473-2	Bromoform	VOC	0.55	**0.17**	1	**0.5**		
Site 2 L	Water	9/4/2015	9/18/2015	680-116473-2	Chlorodibromomethane	VOC	4.7	**0.13**	**1**	**0.5**		
Site 2 L	Water	9/4/2015	9/18/2015	680-116473-2	Chloroform	VOC	11	**0.2**	**1**	**0.5**		
Site 2 L	Water	9/4/2015	9/18/2015	680-116473-2	Dichlorobromomethane	VOC	8.4	**0.079**	**1**	**0.5**		

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Water and Internal Crust Samples from Sites Near Dodge Avenue Water Main Replacement, Illinois

SCS Engineers Project #25214107.00

(Results are in µg/L)

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Site 2 L	Water	9/4/2015	9/18/2015	680-116473-2	Atrazine	SVOC	.069 J	**0.021**	0.3	0.19	3	
Site 3 E	Water	9/4/2015	9/18/2015	680-116473-9	Bromoform	VOC	0.55	**0.17**	1	**0.5**		
Site 3 E	Water	9/4/2015	9/18/2015	680-116473-9	Chlorodibromomethane	VOC	5.2	**0.13**	**1**	**0.5**		
Site 3 E	Water	9/4/2015	9/18/2015	680-116473-9	Chloroform	VOC	13	**0.2**	**1**	**0.5**		
Site 3 E	Water	9/4/2015	9/18/2015	680-116473-9	Dichlorobromomethane	VOC	9.6	**0.079**	**1**	**0.5**		
Site 3 E	Water	9/4/2015	9/18/2015	680-116473-9	Atrazine	SVOC	.046 J	**0.021**	0.3	0.19	3	
Site 3 L	Water	9/4/2015	9/18/2015	680-116473-10	Bromoform	VOC	0.51	**0.17**	1	**0.5**		
Site 3 L	Water	9/4/2015	9/18/2015	680-116473-10	Chlorodibromomethane	VOC	4	**0.13**	**1**	**0.5**		
Site 3 L	Water	9/4/2015	9/18/2015	680-116473-10	Chloroform	VOC	10	**0.2**	**1**	**0.5**		
Site 3 L	Water	9/4/2015	9/18/2015	680-116473-10	Dichlorobromomethane	VOC	7.4	**0.079**	**1**	**0.5**		
Site 4 E	Water	9/4/2015	9/18/2015	680-116473-11	Bromoform	VOC	.41 J	**0.17**	1	0.5		

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Site 4 E	Water	9/4/2015	9/18/2015	680-116473-11	Chlorodibromomethane	VOC	4	**0.13**	**1**	**0.5**		
Site 4 E	Water	9/4/2015	9/18/2015	680-116473-11	Chloroform	VOC	8.3	**0.2**	**1**	**0.5**		
Site 4 E	Water	9/4/2015	9/18/2015	680-116473-11	Dichlorobromomethane	VOC	6.9	**0.079**	**1**	**0.5**		
Site 4 E	Water	9/4/2015	9/18/2015	680-116473-11	Atrazine	SVOC	0.043 J	**0.021**	0.3	0.19	3	
Site 4 L	Water	9/4/2015	9/18/2015	680-116473-12	Bromoform	VOC	0.56	**0.17**	1	**0.5**		
Site 4 L	Water	9/4/2015	9/18/2015	680-116473-12	Chlorodibromomethane	VOC	4.8	**0.13**	**1**	**0.5**		
Site 4 L	Water	9/4/2015	9/18/2015	680-116473-12	Chloroform	VOC	11	**0.2**	**1**	**0.5**		
Site 4 L	Water	9/4/2015	9/18/2015	680-116473-12	Dichlorobromomethane	VOC	8.6	**0.079**	**1**	**0.5**		
Site 5 E	Water	9/4/2015	9/18/2015	680-116473-4	Bromoform	VOC	0.67	**0.17**	1	**0.5**		
Site 5 E	Water	9/4/2015	9/18/2015	680-116473-4	Chlorodibromomethane	VOC	5.2	**0.13**	**1**	**0.5**		
Site 5 E	Water	9/4/2015	9/18/2015	680-116473-4	Chloroform	VOC	13	**0.2**	**1**	**0.5**		

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Site 5 E	Water	9/4/2015	9/18/2015	680-116473-4	Dichlorobromomethane	VOC	9.2	**0.079**	**1**	**0.5**		
Site 5 E	Water	9/4/2015	9/18/2015	680-116473-4	Atrazine	SVOC	0.052 J	**0.021**	0.3	0.19	3	
Site 5 E	Water	9/4/2015	9/18/2015	680-116473-4	Bis(2-ethylhexyl) phthalate	SVOC	.66 J	**0.58**		1.9		
Site 5 L	Water	9/4/2015	9/18/2015	680-116473-5	Bromoform	VOC	0.69	**0.17**	1	**0.5**		
Site 5 L	Water	9/4/2015	9/18/2015	680-116473-5	Chlorodibromomethane	VOC	5.2	**0.13**	**1**	**0.5**		
Site 5 L	Water	9/4/2015	9/18/2015	680-116473-5	Chloroform	VOC	13	**0.2**	**1**	**0.5**		
Site 5 L	Water	9/4/2015	9/18/2015	680-116473-5	Dichlorobromomethane	VOC	9.5	**0.079**	**1**	**0.5**		
Site 5 L	Water	9/4/2015	9/18/2015	680-116473-5	Atrazine	SVOC	0.055 J	**0.021**	0.3	0.19	3	
Site 6 E	Water	9/4/2015	9/18/2015	680-116473-14	Bromoform	VOC	.44 J	**0.17**	1	0.5		
Site 6 E	Water	9/4/2015	9/18/2015	680-116473-14	Chlorodibromomethane	VOC	3.2	**0.13**	**1**	**0.5**		
Site 6 E	Water	9/4/2015	9/18/2015	680-116473-14	Chloroform	VOC	4.7	**0.2**	**1**	**0.5**		

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Site 6 E	Water	9/4/2015	9/18/2015	680-116473-14	Dichlorobromomethane	VOC	5.1	**0.079**	**1**	**0.5**		
Site 6 E	Water	9/4/2015	9/18/2015	680-116473-14	Atrazine	SVOC	0.037 J	**0.021**	0.3	0.19	3	
Site 6 E	Water	9/4/2015	9/18/2015	680-116473-14	Di(2-ethylhexyl) adipate	SVOC	.71 J	**0.58**	**0.6**	1.5	400	
Site 6 L	Water	9/4/2015	9/18/2015	680-116473-15	Bromoform	VOC	.41 J	**0.17**	1	0.5		
Site 6 L	Water	9/4/2015	9/18/2015	680-116473-15	Chlorodibromomethane	VOC	3	**0.13**	**1**	**0.5**		
Site 6 L	Water	9/4/2015	9/18/2015	680-116473-15	Chloroform	VOC	4.3	**0.2**	**1**	**0.5**		
Site 6 L	Water	9/4/2015	9/18/2015	680-116473-15	Dichlorobromomethane	VOC	4.8	**0.079**	**1**	**0.5**		
Site 6 L	Water	9/4/2015	9/18/2015	680-116473-15	Atrazine	SVOC	0.053 J	**0.021**	0.3	0.19	3	
Site 1 R2 E	Water	10/6/2015	10/19/2015	680-117534-1	Bromoform	VOC	.39 J	**0.17**	1	0.5		
Site 1 R2 E	Water	10/6/2015	10/19/2015	680-117534-1	Chlorodibromomethane	VOC	4.3	**0.13**	**1**	**0.5**		
Site 1 R2 E	Water	10/6/2015	10/19/2015	680-117534-1	Chloroform	VOC	9.4	**0.2**	**1**	**0.5**		

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Site 1 R2 E	Water	10/6/2015	10/19/2015	680-117534-1	Dichlorobromomethane	VOC	7.8	**0.079**	**1**	**0.5**		
Site 1 R2 E	Water	10/6/2015	10/19/2015	680-117534-1	Fluoranthene	SVOC	.029 J H	**0.02**		0.19		X
Site 1 R2 E	Water	10/6/2015	10/19/2015	680-117534-1	Phenanthrene	SVOC	.042 J H	**0.02**		0.19		X
Site 1 R2 L	Water	10/6/2015	10/19/2015	680-117534-2	Bromoform	VOC	.47 J	**0.17**	1	0.5		
Site 1 R2 L	Water	10/6/2015	10/19/2015	680-117534-2	Chlorodibromomethane	VOC	4.3	**0.13**	**1**	**0.5**		
Site 1 R2 L	Water	10/6/2015	10/19/2015	680-117534-2	Chloroform	VOC	9.6	**0.2**	**1**	**0.5**		
Site 1 R2 L	Water	10/6/2015	10/19/2015	680-117534-2	Dichlorobromomethane	VOC	8	**0.079**	**1**	**0.5**		
Site 1 R2 L	Water	10/6/2015	10/19/2015	680-117534-2	Di(2-ethylhexyl) adipate	SVOC	**1.5 F1 F2**	**0.6**	**0.6**	**1.5**	400	
Site 7 R2 E	Water	10/6/2015	10/19/2015	680-117536-1	Bromoform	VOC	.45 J	**0.17**	1	0.5		
Site 7 R2 E	Water	10/6/2015	10/19/2015	680-117536-1	Chlorodibromomethane	VOC	4.9	**0.13**	**1**	**0.5**		
Site 7 R2 E	Water	10/6/2015	10/19/2015	680-117536-1	Chloroform	VOC	9.9	**0.2**	**1**	**0.5**		

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F2 = Matrix Spike or Matrix Spike Duplicate (MS/MSD) Relative Percent Difference (RPD) exceeds control limits.
H = Sample was prepped or analyzed beyond the specified holding time

Table 1. Drinking Water and Internal Pipe Crust Results - Detected VOCs and SVOCs

Water and Internal Crust Samples from Sites Near Dodge Avenue Water Main Replacement, Illinois

SCS Engineers Project #25214107.00

(Results are in µg/L)

Site	Media	Date Collected	Lab Report Date	Lab Report Number	Compound	Type	Value (ug/l)	Lab Method Detection Limit (ug/l)	IEPA Reporting Limit (ug/l)	Lab Reporting Limit (ug/l) (if different than IEPA)	Maximum Contaminant Level (ug/l in water)	Present in Water and Crust
								Bold font if exceeded	Bold font if exceeded	Bold font if exceeded	Bold font if exceeded	
Site 7 R2 E	Water	10/6/2015	10/19/2015	680-117536-1	Dichlorobromomethane	VOC	8.5	**0.079**	**1**	**0.5**		
Site 7 R2 L	Water	10/6/2015	10/19/2015	680-117536-2	Bromoform	VOC	.46 J	**0.17**	1	0.5		
Site 7 R2 L	Water	10/6/2015	10/19/2015	680-117536-2	Chlorodibromomethane	VOC	4.3	**0.13**	**1**	**0.5**		
Site 7 R2 L	Water	10/6/2015	10/19/2015	680-117536-2	Chloroform	VOC	8.6	**0.2**	**1**	**0.5**		
Site 7 R2 L	Water	10/6/2015	10/19/2015	680-117536-2	Dichlorobromomethane	VOC	8.3	**0.079**	**1**	**0.5**		
Interior Pipe Crust 78+10/7'	Crust	8/19/2015	8/27/2015	500-100137-4	1-Methyl naphthalene	SVOC	170 J	**59**		240		
Interior Pipe Crust 78+10/7'	Crust	8/19/2015	8/27/2015	500-100137-4	2-Methyl naphthalene	SVOC	200 J	**44**		240		
Interior Pipe Crust 78+10/7'	Crust	8/19/2015	8/27/2015	500-100137-4	Acenaphthene	SVOC	100 J	**43**		240		
Interior Pipe Crust 78+10/7'	Crust	8/19/2015	8/27/2015	500-100137-4	Acenaphthylene	SVOC	180 J	**32**		240		
Interior Pipe Crust 78+10/7'	Crust	8/19/2015	8/27/2015	500-100137-4	Anthracene	SVOC	1500	**40**		**240**		
Interior Pipe Crust 78+10/7'	Crust	8/19/2015	8/27/2015	500-100137-4	Benzo[a] anthracene	SVOC	3300	**32**		**240**		
Interior Pipe Crust 78+10/7'	Crust	8/19/2015	8/27/2015	500-100137-4	Benzo[a] pyrene	SVOC	2900	**47**	0.1*	**240**	0.2*	

Abbreviations and Notes:

µg/L - micrograms per liter or parts per billion (ppb)
E = Early sample collected after less than 30 seconds of purge
L = Late sample collected after 5 minutes of purge
* = The IEPA Reporting Limit shown is for Drinking Water, and is therefore not applicable to this solid crust sample.
Maximum Contaminant Levels (MCLs) and IEPA drinking water reporting limits have not been published for many compounds on the table.

Laboratory Qualifiers

J = Result is less than the reporting limit (RL) but greater than or equal to the method detection limit (MDL) and the concentration is an approximate value.
F1 = Matrix Spike (MS) and/or Matrix-Spike Duplicate (MSD) recovery is outside acceptance limits.
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Table 1. Drinking Water and Internal Pipe Crust Results - Detected VOCs and SVOCs

Water and Internal Crust Samples from Sites Near Dodge Avenue Water Main Replacement, Illinois

SCS Engineers Project #25214107.00

(Results are in µg/L)

Site	Media	Date Collected	Lab Report Date	Lab Report Number	Compound	Type	Value (ug/l)	Lab Method Detection Limit (ug/l)	IEPA Reporting Limit (ug/l)	Lab Reporting Limit (ug/l) (if different than IEPA)	Maximum Contaminant Level (ug/l in water)	Present in Water and Crust
								Bold font if exceeded	Bold font if exceeded	Bold font if exceeded	Bold font if exceeded	
Interior Pipe Crust 78+10/7'	Crust	8/19/2015	8/27/2015	500-100137-4	Benzo[b] fluoranthene	SVOC	4000	**52**		**240**		
Interior Pipe Crust 78+10/7'	Crust	8/19/2015	8/27/2015	500-100137-4	Benzo[g,h,i] perylene	SVOC	780	**78**		**240**		
Interior Pipe Crust 78+10/7'	Crust	8/19/2015	8/27/2015	500-100137-4	Benzo[k] fluoranthene	SVOC	1900	**71**		**240**		
Interior Pipe Crust 78+10/7'	Crust	8/19/2015	8/27/2015	500-100137-4	Carbazole	SVOC	1200	**600**		**1200**		
Interior Pipe Crust 78+10/7'	Crust	8/19/2015	8/27/2015	500-100137-4	Chrysene	SVOC	3100	**66**		**240**		
Interior Pipe Crust 78+10/7'	Crust	8/19/2015	8/27/2015	500-100137-4	Dibenz(a,h) anthracene	SVOC	280	**47**		**240**		
Interior Pipe Crust 78+10/7'	Crust	8/19/2015	8/27/2015	500-100137-4	Dibenzofuran	SVOC	480 J	**280**		1200		
Interior Pipe Crust 78+10/7'	Crust	8/19/2015	8/27/2015	500-100137-4	Fluoranthene	SVOC	7100	**45**		**240**		X
Interior Pipe Crust 78+10/7'	Crust	8/19/2015	8/27/2015	500-100137-4	Fluorene	SVOC	830	**34**		**240**		
Interior Pipe Crust 78+10/7'	Crust	8/19/2015	8/27/2015	500-100137-4	Indeno[1,2,3-cd]pyrene	SVOC	1000	**62**		**240**		
Interior Pipe Crust 78+10/7'	Crust	8/19/2015	8/27/2015	500-100137-4	Naphthalene	SVOC	500	**37**		**240**		
Interior Pipe Crust 78+10/7'	Crust	8/19/2015	8/27/2015	500-100137-4	Phenanthrene	SVOC	6000	**34**		**240**		X

Abbreviations and Notes:

µg/L - micrograms per liter or parts per billion (ppb)
E = Early sample collected after less than 30 seconds of purge
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Maximum Contaminant Levels (MCLs) and IEPA drinking water reporting limits have not been published for many compounds on the table.

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Table 1. Drinking Water and Internal Pipe Crust Results - Detected VOCs and SVOCs

Water and Internal Crust Samples from Sites Near Dodge Avenue Water Main Replacement, Illinois

SCS Engineers Project #25214107.00

(Results are in µg/L)

Site	Media	Date Collected	Lab Report Date	Lab Report Number	Compound	Type	Value (ug/l)	Lab Method Detection Limit (ug/l)	IEPA Reporting Limit (ug/l)	Lab Reporting Limit (ug/l) (if different than IEPA)	Maximum Contaminant Level (ug/l in water)	Present in Water and Crust
								Bold font if exceeded	Bold font if exceeded	Bold font if exceeded	Bold font if exceeded	
Interior Pipe Crust 78+10/7'	Crust	8/19/2015	8/27/2015	500-100137-4	Pyrene	SVOC	5400	**48**		**240**		
Interior Pipe Crust 71+50/7'	Crust	8/20/2015	8/31/2015	500-100240-4	Ethyl benzene	SVOC	170	**1.7**	0.5*	**6.7**	700*	
Interior Pipe Crust 71+50/7'	Crust	8/20/2015	8/31/2015	500-100240-4	Xylenes Total	VOC	180	**2.5**	.5*	**13**	10,000*	
Interior Pipe Crust 71+50/7'	Crust	8/20/2015	8/31/2015	500-100240-4	Anthracene	SVOC	300 J	**76**		450		
Interior Pipe Crust 71+50/7'	Crust	8/20/2015	8/31/2015	500-100240-4	Benzo[a] anthracene	SVOC	680	**61**		**450**		
Interior Pipe Crust 71+50/7'	Crust	8/20/2015	8/31/2015	500-100240-4	Benzo[a] pyrene	SVOC	430 J	**88**	0.1*	450	0.2*	
Interior Pipe Crust 71+50/7'	Crust	8/20/2015	8/31/2015	500-100240-4	Benzo[b] fluoranthene	SVOC	520	**98**		**450**		
Interior Pipe Crust 71+50/7'	Crust	8/20/2015	8/31/2015	500-100240-4	Benzo[k] fluoranthene	SVOC	230 J	**130**		450		
Interior Pipe Crust 71+50/7'	Crust	8/20/2015	8/31/2015	500-100240-4	Chrysene	SVOC	900	**120**		**450**		
Interior Pipe Crust 71+50/7'	Crust	8/20/2015	8/31/2015	500-100240-4	Fluoranthene	SVOC	1200	**84**		**450**		X
Interior Pipe Crust 71+50/7'	Crust	8/20/2015	8/31/2015	500-100240-4	Fluorene	SVOC	72 J	**64**		450		
Interior Pipe Crust 71+50/7'	Crust	8/20/2015	8/31/2015	500-100240-4	Phenanthrene	SVOC	1700	**63**		**450**		X

Abbreviations and Notes:

µg/L - micrograms per liter or parts per billion (ppb)
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Table 1. Drinking Water and Internal Pipe Crust Results - Detected VOCs and SVOCs

Water and Internal Crust Samples from Sites Near Dodge Avenue Water Main Replacement, Illinois

SCS Engineers Project #25214107.00

(Results are in µg/L)

Site	Media	Date Collected	Lab Report Date	Lab Report Number	Compound	Type	Value (ug/l)	Lab Method Detection Limit (ug/l)	IEPA Reporting Limit (ug/l)	Lab Reporting Limit (ug/l) (if different than IEPA)	Maximum Contaminant Level (ug/l in water)	Present in Water and Crust
								Bold font if exceeded	Bold font if exceeded	Bold font if exceeded	Bold font if exceeded	
Interior Pipe Crust 71+50/7'	Crust	8/20/2015	8/31/2015	500-100240-4	Pyrene	SVOC	1800	**90**		**450**		

Abbreviations and Notes:

µg/L - micrograms per liter or parts per billion (ppb)
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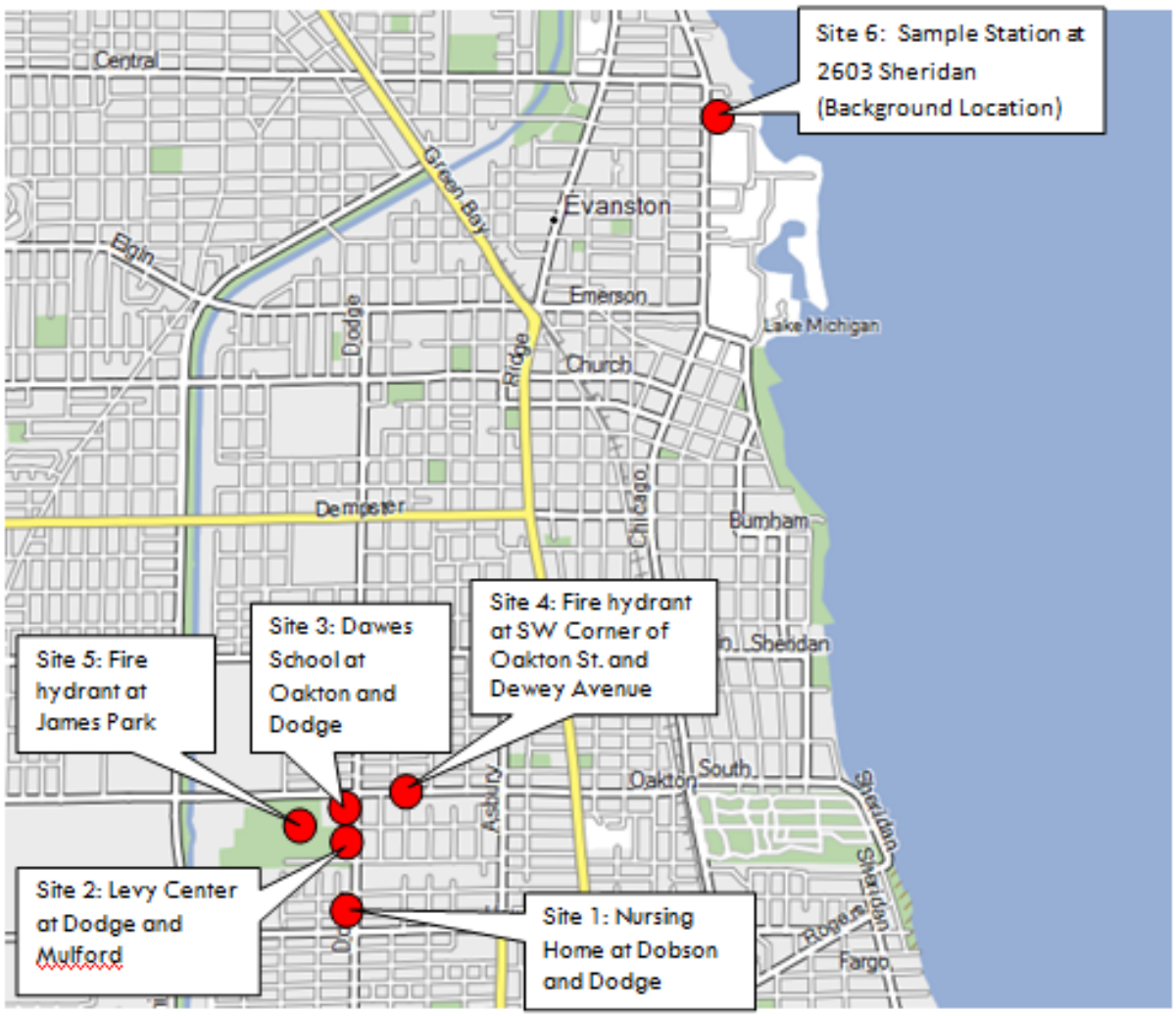
ATTACHMENT 2

EXHIBIT B-7 Figure Identifying Locations Where Samples Were Collected From the City's Water Distribution System



ATTACHMENT 3

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

TestAmerica Job ID: 500-100137-1
Client Project/Site: James Park - 25214107

For:
SCS Engineers
2830 Dairy Dr
Madison, Wisconsin 53718

Attn: Mr. Tony Kollasch

Therese Hargraves

Authorized for release by:
8/27/2015 4:30:53 PM
Therese Hargraves, Project Manager I
therese.hargraves@testamericainc.com

Designee for

Sandie Fredrick, Project Manager II
(920)261-1660
sandie.fredrick@testamericainc.com

Table of Contents

Job ID: 500-100137-1

Laboratory: TestAmerica Chicago

Narrative

Job Narrative
500-100137-1

Comments
No additional comments.

Receipt
The samples were received on 8/20/2015 8:15 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 4.6º C.

Receipt Exceptions

Laboratory did not receive a terracore kit for sample 500-100137-3, and therefore did a 5030 prep for 8260 VOC analysis for this sample. Also, only received a 4 ounce jar for Trip Blank, and therefore the Trip Blank was not logged in.

GC/MS VOA
Method(s) 8260B: The laboratory control sample duplicate (LCSD) for batch 301727 recovered outside control limits for the following analytes: Bromomethane. These analytes were biased high in the LCSD and were not detected in the associated samples; therefore, the data have been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA
Method(s) 8270D: The following samples were diluted due to the abundance of non-target analytes: 78+19/5' (500-100137-1), 78+10/7' (500-100137-2), Exterior Pipe Crust 78+10/7' (500-100137-3), Interior Pipe Crust 78+10/7' (500-100137-4), Exterior Pipe Crust A 78+10/7' (500-100137-5), Valve Crust 78+10/7' (500-100137-6), Top Flange Crust 78+10/7' (500-100137-7) and Bottom Flange Crust 78+10/7' (500-100137-8). Elevated reporting limits (RLs) are provided.

Method(s) 8270D: A full list spike was utilized for this method. Due to the large number of spiked analytes, there is a high probability that one or more analytes will recover outside acceptance limits. The laboratory's SOP allows for 3 analytes to recover outside criteria for this method when a full list spike is utilized. The LCS associated with preparation batch 500-301433 and analytical batch 500-301886 had 3 analytes outside control limits: 2,4-Dinitrophenol, 4,6-Dinitro-2-methylphenol and Benzoic acid; therefore, corrective action was not performed. These results have been reported and qualified. (LCS 500-301433/2-A)

Method(s) 8270D: The following sample contained one acid surrogate outside acceptance limits: (MB 500-301433/1-A). The laboratory's SOP allows one acid and one base surrogate to be outside acceptance limits; therefore, re-extraction was not performed. These results have been reported and qualified.

Method(s) 8270D: The following sample contained one base surrogate outside acceptance limits: Bottom Flange Crust 78+10/7' (500-100137-8). The laboratory's SOP allows one acid and one base surrogate to be outside acceptance limits; therefore, re-extraction was not performed. These results have been reported and qualified.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: SCS Engineers
Project/Site: James Park - 25214107

TestAmerica Job ID: 500-100137-1

Client Sample ID: 78+19/5' — Lab Sample ID: 500-100137-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Anthracene	71	J	190	33	ug/Kg	5	☼	8270D	Total/NA
Benzo[a]anthracene	250		190	26	ug/Kg	5	☼	8270D	Total/NA
Benzo[a]pyrene	260		190	38	ug/Kg	5	☼	8270D	Total/NA
Benzo[b]fluoranthene	340		190	42	ug/Kg	5	☼	8270D	Total/NA
Benzo[g,h,i]perylene	110	J	190	63	ug/Kg	5	☼	8270D	Total/NA
Benzo[k]fluoranthene	150	J	190	57	ug/Kg	5	☼	8270D	Total/NA
Chrysene	300		190	53	ug/Kg	5	☼	8270D	Total/NA
Dibenz(a,h)anthracene	38	J	190	38	ug/Kg	5	☼	8270D	Total/NA
Fluoranthene	550		190	36	ug/Kg	5	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	130	J	190	50	ug/Kg	5	☼	8270D	Total/NA
Phenanthrene	370		190	27	ug/Kg	5	☼	8270D	Total/NA
Pyrene	490		190	39	ug/Kg	5	☼	8270D	Total/NA

Client Sample ID: 78+10/7' — Lab Sample ID: 500-100137-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1-Methylnaphthalene	110	J	200	49	ug/Kg	5	☼	8270D	Total/NA
2-Methylnaphthalene	110	J	200	37	ug/Kg	5	☼	8270D	Total/NA
Acenaphthene	120	J	200	36	ug/Kg	5	☼	8270D	Total/NA
Acenaphthylene	420		200	26	ug/Kg	5	☼	8270D	Total/NA
Anthracene	2000		200	33	ug/Kg	5	☼	8270D	Total/NA
Benzo[a]anthracene	5200		200	27	ug/Kg	5	☼	8270D	Total/NA
Benzo[a]pyrene	4500		200	39	ug/Kg	5	☼	8270D	Total/NA
Benzo[b]fluoranthene	6000		200	43	ug/Kg	5	☼	8270D	Total/NA
Benzo[g,h,i]perylene	1100		200	64	ug/Kg	5	☼	8270D	Total/NA
Benzo[k]fluoranthene	2700		200	59	ug/Kg	5	☼	8270D	Total/NA
Carbazole	1700		1000	500	ug/Kg	5	☼	8270D	Total/NA
Chrysene	4700		200	54	ug/Kg	5	☼	8270D	Total/NA
Dibenz(a,h)anthracene	380		200	39	ug/Kg	5	☼	8270D	Total/NA
Dibenzofuran	400	J	1000	230	ug/Kg	5	☼	8270D	Total/NA
Fluoranthene	9700		200	37	ug/Kg	5	☼	8270D	Total/NA
Fluorene	970		200	28	ug/Kg	5	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	1500		200	52	ug/Kg	5	☼	8270D	Total/NA
Naphthalene	220		200	31	ug/Kg	5	☼	8270D	Total/NA
Phenanthrene	6700		200	28	ug/Kg	5	☼	8270D	Total/NA
Pyrene	7900		200	40	ug/Kg	5	☼	8270D	Total/NA

Client Sample ID: Exterior Pipe Crust 78+10/7' — Lab Sample ID: 500-100137-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	30		16	4.8	ug/Kg	50	☼	8260B	Total/NA
Toluene	15	J	16	7.5	ug/Kg	50	☼	8260B	Total/NA
2-Methylnaphthalene	44	J	190	34	ug/Kg	5	☼	8270D	Total/NA
Acenaphthene	69	J	190	34	ug/Kg	5	☼	8270D	Total/NA
Acenaphthylene	170	J	190	25	ug/Kg	5	☼	8270D	Total/NA
Anthracene	790		190	31	ug/Kg	5	☼	8270D	Total/NA
Benzo[a]anthracene	2600		190	25	ug/Kg	5	☼	8270D	Total/NA
Benzo[a]pyrene	2600		190	36	ug/Kg	5	☼	8270D	Total/NA
Benzo[b]fluoranthene	3100		190	40	ug/Kg	5	☼	8270D	Total/NA
Benzo[g,h,i]perylene	600		190	60	ug/Kg	5	☼	8270D	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: Exterior Pipe Crust 78+10/7' (Continued) — Lab Sample ID: 500-100137-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[k]fluoranthene	1600		190	55	ug/Kg	5	☼	8270D	Total/NA
Carbazole	620	J	940	470	ug/Kg	5	☼	8270D	Total/NA
Chrysene	2300		190	51	ug/Kg	5	☼	8270D	Total/NA
Dibenz(a,h)anthracene	230		190	36	ug/Kg	5	☼	8270D	Total/NA
Fluoranthene	4100		190	35	ug/Kg	5	☼	8270D	Total/NA
Fluorene	470		190	26	ug/Kg	5	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	880		190	49	ug/Kg	5	☼	8270D	Total/NA
Naphthalene	87	J	190	29	ug/Kg	5	☼	8270D	Total/NA
Phenanthrene	2900		190	26	ug/Kg	5	☼	8270D	Total/NA
Pyrene	3400		190	37	ug/Kg	5	☼	8270D	Total/NA

Client Sample ID: Interior Pipe Crust 78+10/7' — Lab Sample ID: 500-100137-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1-Methylnaphthalene	170	J	240	59	ug/Kg	5	☼	8270D	Total/NA
2-Methylnaphthalene	200	J	240	44	ug/Kg	5	☼	8270D	Total/NA
Acenaphthene	100	J	240	43	ug/Kg	5	☼	8270D	Total/NA
Acenaphthylene	180	J	240	32	ug/Kg	5	☼	8270D	Total/NA
Anthracene	1500		240	40	ug/Kg	5	☼	8270D	Total/NA
Benzo[a]anthracene	3300		240	32	ug/Kg	5	☼	8270D	Total/NA
Benzo[a]pyrene	2900		240	47	ug/Kg	5	☼	8270D	Total/NA
Benzo[b]fluoranthene	4000		240	52	ug/Kg	5	☼	8270D	Total/NA
Benzo[g,h,i]perylene	780		240	78	ug/Kg	5	☼	8270D	Total/NA
Benzo[k]fluoranthene	1900		240	71	ug/Kg	5	☼	8270D	Total/NA
Carbazole	1200		1200	600	ug/Kg	5	☼	8270D	Total/NA
Chrysene	3100		240	66	ug/Kg	5	☼	8270D	Total/NA
Dibenz(a,h)anthracene	280		240	47	ug/Kg	5	☼	8270D	Total/NA
Dibenzofuran	480	J	1200	280	ug/Kg	5	☼	8270D	Total/NA
Fluoranthene	7100		240	45	ug/Kg	5	☼	8270D	Total/NA
Fluorene	830		240	34	ug/Kg	5	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	1000		240	62	ug/Kg	5	☼	8270D	Total/NA
Naphthalene	500		240	37	ug/Kg	5	☼	8270D	Total/NA
Phenanthrene	6000		240	34	ug/Kg	5	☼	8270D	Total/NA
Pyrene	5400		240	48	ug/Kg	5	☼	8270D	Total/NA

Client Sample ID: Exterior Pipe Crust A 78+10/7' — Lab Sample ID: 500-100137-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	3.7		3.2	1.4	ug/Kg	1	☼	8260B	Total/NA
1-Methylnaphthalene	250	J	390	95	ug/Kg	10	☼	8270D	Total/NA
2-Methylnaphthalene	190	J	390	72	ug/Kg	10	☼	8270D	Total/NA
Acenaphthene	400		390	70	ug/Kg	10	☼	8270D	Total/NA
Acenaphthylene	910		390	52	ug/Kg	10	☼	8270D	Total/NA
Anthracene	5500		390	65	ug/Kg	10	☼	8270D	Total/NA
Benzo[a]anthracene	8700		390	53	ug/Kg	10	☼	8270D	Total/NA
Benzo[a]pyrene	7400		390	76	ug/Kg	10	☼	8270D	Total/NA
Benzo[b]fluoranthene	9900		390	84	ug/Kg	10	☼	8270D	Total/NA
Benzo[g,h,i]perylene	1800		390	130	ug/Kg	10	☼	8270D	Total/NA
Benzo[k]fluoranthene	4700		390	120	ug/Kg	10	☼	8270D	Total/NA
Carbazole	3700		2000	980	ug/Kg	10	☼	8270D	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: Exterior Pipe Crust A 78+10/7' (Continued) — Lab Sample ID: 500-100137-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chrysene	8000		390	110	ug/Kg	10	☼	8270D	Total/NA
Dibenz(a,h)anthracene	680		390	76	ug/Kg	10	☼	8270D	Total/NA
Dibenzofuran	1600	J	2000	460	ug/Kg	10	☼	8270D	Total/NA
Fluoranthene	20000		390	73	ug/Kg	10	☼	8270D	Total/NA
Fluorene	3500		390	55	ug/Kg	10	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	2300		390	100	ug/Kg	10	☼	8270D	Total/NA
Naphthalene	290	J	390	60	ug/Kg	10	☼	8270D	Total/NA
Phenanthrene	18000		390	55	ug/Kg	10	☼	8270D	Total/NA
Pyrene	16000		390	78	ug/Kg	10	☼	8270D	Total/NA

Client Sample ID: Valve Crust 78+10/7' — Lab Sample ID: 500-100137-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	26	J	190	26	ug/Kg	5	☼	8270D	Total/NA
Fluoranthene	54	J	190	36	ug/Kg	5	☼	8270D	Total/NA
Phenanthrene	55	J	190	27	ug/Kg	5	☼	8270D	Total/NA
Pyrene	62	J	190	38	ug/Kg	5	☼	8270D	Total/NA

Client Sample ID: Top Flange Crust 78+10/7' — Lab Sample ID: 500-100137-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Anthracene	330	J	390	65	ug/Kg	10	☼	8270D	Total/NA
Benzo[a]anthracene	600		390	53	ug/Kg	10	☼	8270D	Total/NA
Benzo[a]pyrene	910		390	76	ug/Kg	10	☼	8270D	Total/NA
Benzo[b]fluoranthene	1100		390	84	ug/Kg	10	☼	8270D	Total/NA
Benzo[g,h,i]perylene	850		390	130	ug/Kg	10	☼	8270D	Total/NA
Benzo[k]fluoranthene	190	J	390	120	ug/Kg	10	☼	8270D	Total/NA
Bis(2-ethylhexyl) phthalate	740	J	2000	710	ug/Kg	10	☼	8270D	Total/NA
Chrysene	1000		390	110	ug/Kg	10	☼	8270D	Total/NA
Fluoranthene	1100		390	73	ug/Kg	10	☼	8270D	Total/NA
Phenanthrene	800		390	55	ug/Kg	10	☼	8270D	Total/NA
Pyrene	1300		390	78	ug/Kg	10	☼	8270D	Total/NA

Client Sample ID: Bottom Flange Crust 78+10/7' — Lab Sample ID: 500-100137-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	300	J	460	86	ug/Kg	10	☼	8270D	Total/NA
Anthracene	510		460	78	ug/Kg	10	☼	8270D	Total/NA
Benzo[a]anthracene	1300		460	63	ug/Kg	10	☼	8270D	Total/NA
Benzo[a]pyrene	1600		460	90	ug/Kg	10	☼	8270D	Total/NA
Benzo[b]fluoranthene	2000		460	100	ug/Kg	10	☼	8270D	Total/NA
Benzo[g,h,i]perylene	1800		460	150	ug/Kg	10	☼	8270D	Total/NA
Benzo[k]fluoranthene	760		460	140	ug/Kg	10	☼	8270D	Total/NA
Chrysene	1400		460	130	ug/Kg	10	☼	8270D	Total/NA
Fluoranthene	2100		460	87	ug/Kg	10	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	1400		460	120	ug/Kg	10	☼	8270D	Total/NA
Naphthalene	450	J	460	72	ug/Kg	10	☼	8270D	Total/NA
Phenanthrene	1300		460	65	ug/Kg	10	☼	8270D	Total/NA
Pyrene	2900		460	93	ug/Kg	10	☼	8270D	Total/NA

This Detection Summary does not include radiochemical test results.

Method Summary

Client: SCS Engineers
Project/Site: James Park - 25214107

TestAmerica Job ID: 500-100137-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CHI
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL CHI
Moisture	Percent Moisture	EPA	TAL CHI

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL CHI = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Sample Summary

Client: SCS Engineers
Project/Site: James Park - 25214107

TestAmerica Job ID: 500-100137-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-100137-1	78+19/5'	Solid	08/18/15 09:50	08/20/15 08:15
500-100137-2	78+10/7'	Solid	08/18/15 09:55	08/20/15 08:15
500-100137-3	Exterior Pipe Crust 78+10/7'	Solid	08/19/15 10:05	08/20/15 08:15
500-100137-4	Interior Pipe Crust 78+10/7'	Solid	08/19/15 10:50	08/20/15 08:15
500-100137-5	Exterior Pipe Crust A 78+10/7'	Solid	08/19/15 11:20	08/20/15 08:15
500-100137-6	Valve Crust 78+10/7'	Solid	08/19/15 11:35	08/20/15 08:15
500-100137-7	Top Flange Crust 78+10/7'	Solid	08/19/15 13:10	08/20/15 08:15
500-100137-8	Bottom Flange Crust 78+10/7'	Solid	08/19/15 13:10	08/20/15 08:15

Client Sample ID: 78+19/5'
Date Collected: 08/18/15 09:50
Date Received: 08/20/15 08:15

Lab Sample ID: 500-100137-1
Matrix: Solid
Percent Solids: 83.0

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.1		4.8	1.1	ug/Kg	☼	08/20/15 09:00	08/26/15 16:02	1
Bromobenzene	<1.1		4.8	1.1	ug/Kg	☼	08/20/15 09:00	08/26/15 16:02	1
Bromochloromethane	<0.92		4.8	0.92	ug/Kg	☼	08/20/15 09:00	08/26/15 16:02	1
Bromodichloromethane	<0.81		4.8	0.81	ug/Kg	☼	08/20/15 09:00	08/26/15 16:02	1
Bromoform	<0.97		4.8	0.97	ug/Kg	☼	08/20/15 09:00	08/26/15 16:02	1
Bromomethane	<1.8	*	4.8	1.8	ug/Kg	☼	08/20/15 09:00	08/26/15 16:02	1
Carbon tetrachloride	<1.0		4.8	1.0	ug/Kg	☼	08/20/15 09:00	08/26/15 16:02	1
Chlorobenzene	<1.1		4.8	1.1	ug/Kg	☼	08/20/15 09:00	08/26/15 16:02	1
Chloroethane	<2.0		4.8	2.0	ug/Kg	☼	08/20/15 09:00	08/26/15 16:02	1
Chloroform	<0.93		4.8	0.93	ug/Kg	☼	08/20/15 09:00	08/26/15 16:02	1
Chloromethane	<1.1		4.8	1.1	ug/Kg	☼	08/20/15 09:00	08/26/15 16:02	1
2-Chlorotoluene	<1.1		4.8	1.1	ug/Kg	☼	08/20/15 09:00	08/26/15 16:02	1
4-Chlorotoluene	<1.3		4.8	1.3	ug/Kg	☼	08/20/15 09:00	08/26/15 16:02	1
cis-1,2-Dichloroethene	<0.97		4.8	0.97	ug/Kg	☼	08/20/15 09:00	08/26/15 16:02	1
cis-1,3-Dichloropropene	<1.1		4.8	1.1	ug/Kg	☼	08/20/15 09:00	08/26/15 16:02	1
Dibromochloromethane	<0.55		4.8	0.55	ug/Kg	☼	08/20/15 09:00	08/26/15 16:02	1
1,2-Dibromo-3-Chloropropane	<2.0		4.8	2.0	ug/Kg	☼	08/20/15 09:00	08/26/15 16:02	1
1,2-Dibromoethane	<1.2		4.8	1.2	ug/Kg	☼	08/20/15 09:00	08/26/15 16:02	1
Dibromomethane	<1.3		4.8	1.3	ug/Kg	☼	08/20/15 09:00	08/26/15 16:02	1
1,2-Dichlorobenzene	<1.1		4.8	1.1	ug/Kg	☼	08/20/15 09:00	08/26/15 16:02	1
1,3-Dichlorobenzene	<1.4		4.8	1.4	ug/Kg	☼	08/20/15 09:00	08/26/15 16:02	1
1,4-Dichlorobenzene	<1.0		4.8	1.0	ug/Kg	☼	08/20/15 09:00	08/26/15 16:02	1
Dichlorodifluoromethane	<1.6		4.8	1.6	ug/Kg	☼	08/20/15 09:00	08/26/15 16:02	1
1,1-Dichloroethane	<0.98		4.8	0.98	ug/Kg	☼	08/20/15 09:00	08/26/15 16:02	1
1,2-Dichloroethane	<0.71		4.8	0.71	ug/Kg	☼	08/20/15 09:00	08/26/15 16:02	1
1,1-Dichloroethene	<1.7		4.8	1.7	ug/Kg	☼	08/20/15 09:00	08/26/15 16:02	1
1,2-Dichloropropane	<1.2		4.8	1.2	ug/Kg	☼	08/20/15 09:00	08/26/15 16:02	1
1,3-Dichloropropane	<0.92		4.8	0.92	ug/Kg	☼	08/20/15 09:00	08/26/15 16:02	1
2,2-Dichloropropane	<9.5		19	9.5	ug/Kg	☼	08/20/15 09:00	08/26/15 16:02	1
1,1-Dichloropropene	<1.5		4.8	1.5	ug/Kg	☼	08/20/15 09:00	08/26/15 16:02	1
Ethylbenzene	<1.2		4.8	1.2	ug/Kg	☼	08/20/15 09:00	08/26/15 16:02	1
Hexachlorobutadiene	<1.5		4.8	1.5	ug/Kg	☼	08/20/15 09:00	08/26/15 16:02	1
Isopropylbenzene	<1.3		4.8	1.3	ug/Kg	☼	08/20/15 09:00	08/26/15 16:02	1
Isopropyl ether	<1.0		4.8	1.0	ug/Kg	☼	08/20/15 09:00	08/26/15 16:02	1
Methylene Chloride	<3.6		4.8	3.6	ug/Kg	☼	08/20/15 09:00	08/26/15 16:02	1
Methyl tert-butyl ether	<1.1		4.8	1.1	ug/Kg	☼	08/20/15 09:00	08/26/15 16:02	1
Naphthalene	<2.1		4.8	2.1	ug/Kg	☼	08/20/15 09:00	08/26/15 16:02	1
n-Butylbenzene	<1.6		4.8	1.6	ug/Kg	☼	08/20/15 09:00	08/26/15 16:02	1
N-Propylbenzene	<1.4		4.8	1.4	ug/Kg	☼	08/20/15 09:00	08/26/15 16:02	1
p-Isopropyltoluene	<1.5		4.8	1.5	ug/Kg	☼	08/20/15 09:00	08/26/15 16:02	1
sec-Butylbenzene	<1.5		4.8	1.5	ug/Kg	☼	08/20/15 09:00	08/26/15 16:02	1
Styrene	<1.1		4.8	1.1	ug/Kg	☼	08/20/15 09:00	08/26/15 16:02	1
tert-Butylbenzene	<1.2		4.8	1.2	ug/Kg	☼	08/20/15 09:00	08/26/15 16:02	1
1,1,1,2-Tetrachloroethane	<1.1		4.8	1.1	ug/Kg	☼	08/20/15 09:00	08/26/15 16:02	1
1,1,2,2-Tetrachloroethane	<0.76		4.8	0.76	ug/Kg	☼	08/20/15 09:00	08/26/15 16:02	1
Tetrachloroethene	<0.99		4.8	0.99	ug/Kg	☼	08/20/15 09:00	08/26/15 16:02	1
Toluene	<1.7		4.8	1.7	ug/Kg	☼	08/20/15 09:00	08/26/15 16:02	1
trans-1,2-Dichloroethene	<1.2		4.8	1.2	ug/Kg	☼	08/20/15 09:00	08/26/15 16:02	1
trans-1,3-Dichloropropene	<1.3		4.8	1.3	ug/Kg	☼	08/20/15 09:00	08/26/15 16:02	1

Client Sample ID: 78+19/5'
Date Collected: 08/18/15 09:50
Date Received: 08/20/15 08:15

Lab Sample ID: 500-100137-1
Matrix: Solid
Percent Solids: 83.0

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<2.1		4.8	2.1	ug/Kg	☼	08/20/15 09:00	08/26/15 16:02	1
1,2,4-Trichlorobenzene	<1.9		4.8	1.9	ug/Kg	☼	08/20/15 09:00	08/26/15 16:02	1
1,1,1-Trichloroethane	<1.1		4.8	1.1	ug/Kg	☼	08/20/15 09:00	08/26/15 16:02	1
1,1,2-Trichloroethane	<0.92		4.8	0.92	ug/Kg	☼	08/20/15 09:00	08/26/15 16:02	1
Trichloroethene	<1.3		4.8	1.3	ug/Kg	☼	08/20/15 09:00	08/26/15 16:02	1
Trichlorofluoromethane	<1.1		4.8	1.1	ug/Kg	☼	08/20/15 09:00	08/26/15 16:02	1
1,2,3-Trichloropropane	<1.6		4.8	1.6	ug/Kg	☼	08/20/15 09:00	08/26/15 16:02	1
1,2,4-Trimethylbenzene	<1.2		4.8	1.2	ug/Kg	☼	08/20/15 09:00	08/26/15 16:02	1
1,3,5-Trimethylbenzene	<1.4		4.8	1.4	ug/Kg	☼	08/20/15 09:00	08/26/15 16:02	1
Vinyl chloride	<1.1		4.8	1.1	ug/Kg	☼	08/20/15 09:00	08/26/15 16:02	1
Xylenes, Total	<1.8		9.5	1.8	ug/Kg	☼	08/20/15 09:00	08/26/15 16:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 122*	*08/20/15 09:00*	*08/26/15 16:02*	*1*
Dibromofluoromethane	*94*		*75 - 120*	*08/20/15 09:00*	*08/26/15 16:02*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 134*	*08/20/15 09:00*	*08/26/15 16:02*	*1*
Toluene-d8 (Surr)	*92*		*75 - 122*	*08/20/15 09:00*	*08/26/15 16:02*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<210		980	210	ug/Kg	☼	08/24/15 16:40	08/27/15 10:31	5
1,2-Dichlorobenzene	<230		980	230	ug/Kg	☼	08/24/15 16:40	08/27/15 10:31	5
1,3-Dichlorobenzene	<220		980	220	ug/Kg	☼	08/24/15 16:40	08/27/15 10:31	5
1,4-Dichlorobenzene	<250		980	250	ug/Kg	☼	08/24/15 16:40	08/27/15 10:31	5
1-Methylnaphthalene	<48		190	48	ug/Kg	☼	08/24/15 16:40	08/27/15 10:31	5
2,2'-oxybis[1-chloropropane]	<230		980	230	ug/Kg	☼	08/24/15 16:40	08/27/15 10:31	5
2,4,5-Trichlorophenol	<440		1900	440	ug/Kg	☼	08/24/15 16:40	08/27/15 10:31	5
2,4,6-Trichlorophenol	<670		1900	670	ug/Kg	☼	08/24/15 16:40	08/27/15 10:31	5
2,4-Dichlorophenol	<460		1900	460	ug/Kg	☼	08/24/15 16:40	08/27/15 10:31	5
2,4-Dimethylphenol	<740		1900	740	ug/Kg	☼	08/24/15 16:40	08/27/15 10:31	5
2,4-Dinitrophenol	<3400	*	3900	3400	ug/Kg	☼	08/24/15 16:40	08/27/15 10:31	5
2,4-Dinitrotoluene	<310		980	310	ug/Kg	☼	08/24/15 16:40	08/27/15 10:31	5
2,6-Dinitrotoluene	<380		980	380	ug/Kg	☼	08/24/15 16:40	08/27/15 10:31	5
2-Chloronaphthalene	<220		980	220	ug/Kg	☼	08/24/15 16:40	08/27/15 10:31	5
2-Chlorophenol	<330		980	330	ug/Kg	☼	08/24/15 16:40	08/27/15 10:31	5
2-Methylnaphthalene	<36		190	36	ug/Kg	☼	08/24/15 16:40	08/27/15 10:31	5
2-Methylphenol	<310		980	310	ug/Kg	☼	08/24/15 16:40	08/27/15 10:31	5
2-Nitroaniline	<260		980	260	ug/Kg	☼	08/24/15 16:40	08/27/15 10:31	5
2-Nitrophenol	<460		1900	460	ug/Kg	☼	08/24/15 16:40	08/27/15 10:31	5
3 & 4 Methylphenol	<320		980	320	ug/Kg	☼	08/24/15 16:40	08/27/15 10:31	5
3,3'-Dichlorobenzidine	<270		980	270	ug/Kg	☼	08/24/15 16:40	08/27/15 10:31	5
3-Nitroaniline	<600		1900	600	ug/Kg	☼	08/24/15 16:40	08/27/15 10:31	5
4,6-Dinitro-2-methylphenol	<1600	*	1900	1600	ug/Kg	☼	08/24/15 16:40	08/27/15 10:31	5
4-Bromophenyl phenyl ether	<260		980	260	ug/Kg	☼	08/24/15 16:40	08/27/15 10:31	5
4-Chloro-3-methylphenol	<660		1900	660	ug/Kg	☼	08/24/15 16:40	08/27/15 10:31	5
4-Chloroaniline	<910		3900	910	ug/Kg	☼	08/24/15 16:40	08/27/15 10:31	5
4-Chlorophenyl phenyl ether	<230		980	230	ug/Kg	☼	08/24/15 16:40	08/27/15 10:31	5
4-Nitroaniline	<820		1900	820	ug/Kg	☼	08/24/15 16:40	08/27/15 10:31	5
4-Nitrophenol	<1900		3900	1900	ug/Kg	☼	08/24/15 16:40	08/27/15 10:31	5
Acenaphthene	<35		190	35	ug/Kg	☼	08/24/15 16:40	08/27/15 10:31	5

Client Sample ID: 78+19/5'
Date Collected: 08/18/15 09:50
Date Received: 08/20/15 08:15

Lab Sample ID: 500-100137-1
Matrix: Solid
Percent Solids: 83.0

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	<26		190	26	ug/Kg	☼	08/24/15 16:40	08/27/15 10:31	5
Anthracene	**71**	**J**	190	33	ug/Kg	☼	08/24/15 16:40	08/27/15 10:31	5
Benzo[a]anthracene	**250**		190	26	ug/Kg	☼	08/24/15 16:40	08/27/15 10:31	5
Benzo[a]pyrene	**260**		190	38	ug/Kg	☼	08/24/15 16:40	08/27/15 10:31	5
Benzo[b]fluoranthene	**340**		190	42	ug/Kg	☼	08/24/15 16:40	08/27/15 10:31	5
Benzo[g,h,i]perylene	**110**	**J**	190	63	ug/Kg	☼	08/24/15 16:40	08/27/15 10:31	5
Benzo[k]fluoranthene	**150**	**J**	190	57	ug/Kg	☼	08/24/15 16:40	08/27/15 10:31	5
Benzoic acid	<1900	*	9800	1900	ug/Kg	☼	08/24/15 16:40	08/27/15 10:31	5
Benzyl alcohol	<580		1900	580	ug/Kg	☼	08/24/15 16:40	08/27/15 10:31	5
Bis(2-chloroethoxy)methane	<200		980	200	ug/Kg	☼	08/24/15 16:40	08/27/15 10:31	5
Bis(2-chloroethyl)ether	<290		980	290	ug/Kg	☼	08/24/15 16:40	08/27/15 10:31	5
Bis(2-ethylhexyl) phthalate	<360		980	360	ug/Kg	☼	08/24/15 16:40	08/27/15 10:31	5
Butyl benzyl phthalate	<370		980	370	ug/Kg	☼	08/24/15 16:40	08/27/15 10:31	5
Carbazole	<490		980	490	ug/Kg	☼	08/24/15 16:40	08/27/15 10:31	5
Chrysene	**300**		190	53	ug/Kg	☼	08/24/15 16:40	08/27/15 10:31	5
Dibenz(a,h)anthracene	**38**	**J**	190	38	ug/Kg	☼	08/24/15 16:40	08/27/15 10:31	5
Dibenzofuran	<230		980	230	ug/Kg	☼	08/24/15 16:40	08/27/15 10:31	5
Diethyl phthalate	<330		980	330	ug/Kg	☼	08/24/15 16:40	08/27/15 10:31	5
Dimethyl phthalate	<250		980	250	ug/Kg	☼	08/24/15 16:40	08/27/15 10:31	5
Di-n-butyl phthalate	<300		980	300	ug/Kg	☼	08/24/15 16:40	08/27/15 10:31	5
Di-n-octyl phthalate	<320		980	320	ug/Kg	☼	08/24/15 16:40	08/27/15 10:31	5
Fluoranthene	**550**		190	36	ug/Kg	☼	08/24/15 16:40	08/27/15 10:31	5
Fluorene	<27		190	27	ug/Kg	☼	08/24/15 16:40	08/27/15 10:31	5
Hexachlorobenzene	<45		390	45	ug/Kg	☼	08/24/15 16:40	08/27/15 10:31	5
Hexachlorobutadiene	<310		980	310	ug/Kg	☼	08/24/15 16:40	08/27/15 10:31	5
Hexachlorocyclopentadiene	<1100		3900	1100	ug/Kg	☼	08/24/15 16:40	08/27/15 10:31	5
Hexachloroethane	<300		980	300	ug/Kg	☼	08/24/15 16:40	08/27/15 10:31	5
Indeno[1,2,3-cd]pyrene	**130**	**J**	190	50	ug/Kg	☼	08/24/15 16:40	08/27/15 10:31	5
Isophorone	<220		980	220	ug/Kg	☼	08/24/15 16:40	08/27/15 10:31	5
Naphthalene	<30		190	30	ug/Kg	☼	08/24/15 16:40	08/27/15 10:31	5
Nitrobenzene	<49		190	49	ug/Kg	☼	08/24/15 16:40	08/27/15 10:31	5
N-Nitrosodi-n-propylamine	<240		980	240	ug/Kg	☼	08/24/15 16:40	08/27/15 10:31	5
N-Nitrosodiphenylamine	<230		980	230	ug/Kg	☼	08/24/15 16:40	08/27/15 10:31	5
Pentachlorophenol	<3100		3900	3100	ug/Kg	☼	08/24/15 16:40	08/27/15 10:31	5
Phenanthrene	**370**		190	27	ug/Kg	☼	08/24/15 16:40	08/27/15 10:31	5
Phenol	<430		980	430	ug/Kg	☼	08/24/15 16:40	08/27/15 10:31	5
Pyrene	**490**		190	39	ug/Kg	☼	08/24/15 16:40	08/27/15 10:31	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*96*		*35 - 137*	*08/24/15 16:40*	*08/27/15 10:31*	*5*
2-Fluorobiphenyl	*96*		*25 - 119*	*08/24/15 16:40*	*08/27/15 10:31*	*5*
2-Fluorophenol (Surr)	*85*		*25 - 110*	*08/24/15 16:40*	*08/27/15 10:31*	*5*
Nitrobenzene-d5 (Surr)	*77*		*25 - 115*	*08/24/15 16:40*	*08/27/15 10:31*	*5*
Phenol-d5 (Surr)	*77*		*31 - 110*	*08/24/15 16:40*	*08/27/15 10:31*	*5*
Terphenyl-d14 (Surr)	*113*		*36 - 134*	*08/24/15 16:40*	*08/27/15 10:31*	*5*

Client: SCS Engineers
Project/Site: James Park - 25214107

TestAmerica Job ID: 500-100137-1

Client Sample ID: 78+10/7'
Date Collected: 08/18/15 09:55
Date Received: 08/20/15 08:15

Lab Sample ID: 500-100137-2
Matrix: Solid
Percent Solids: 82.8

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.89		4.0	0.89	ug/Kg	☼	08/20/15 09:00	08/26/15 16:26	1
Bromobenzene	<0.90		4.0	0.90	ug/Kg	☼	08/20/15 09:00	08/26/15 16:26	1
Bromochloromethane	<0.77		4.0	0.77	ug/Kg	☼	08/20/15 09:00	08/26/15 16:26	1
Bromodichloromethane	<0.67		4.0	0.67	ug/Kg	☼	08/20/15 09:00	08/26/15 16:26	1
Bromoform	<0.81		4.0	0.81	ug/Kg	☼	08/20/15 09:00	08/26/15 16:26	1
Bromomethane	<1.5	*	4.0	1.5	ug/Kg	☼	08/20/15 09:00	08/26/15 16:26	1
Carbon tetrachloride	<0.85		4.0	0.85	ug/Kg	☼	08/20/15 09:00	08/26/15 16:26	1
Chlorobenzene	<0.94		4.0	0.94	ug/Kg	☼	08/20/15 09:00	08/26/15 16:26	1
Chloroethane	<1.7		4.0	1.7	ug/Kg	☼	08/20/15 09:00	08/26/15 16:26	1
Chloroform	<0.78		4.0	0.78	ug/Kg	☼	08/20/15 09:00	08/26/15 16:26	1
Chloromethane	<0.96		4.0	0.96	ug/Kg	☼	08/20/15 09:00	08/26/15 16:26	1
2-Chlorotoluene	<0.92		4.0	0.92	ug/Kg	☼	08/20/15 09:00	08/26/15 16:26	1
4-Chlorotoluene	<1.1		4.0	1.1	ug/Kg	☼	08/20/15 09:00	08/26/15 16:26	1
cis-1,2-Dichloroethene	<0.81		4.0	0.81	ug/Kg	☼	08/20/15 09:00	08/26/15 16:26	1
cis-1,3-Dichloropropene	<0.91		4.0	0.91	ug/Kg	☼	08/20/15 09:00	08/26/15 16:26	1
Dibromochloromethane	<0.46		4.0	0.46	ug/Kg	☼	08/20/15 09:00	08/26/15 16:26	1
1,2-Dibromo-3-Chloropropane	<1.7		4.0	1.7	ug/Kg	☼	08/20/15 09:00	08/26/15 16:26	1
1,2-Dibromoethane	<1.0		4.0	1.0	ug/Kg	☼	08/20/15 09:00	08/26/15 16:26	1
Dibromomethane	<1.1		4.0	1.1	ug/Kg	☼	08/20/15 09:00	08/26/15 16:26	1
1,2-Dichlorobenzene	<0.92		4.0	0.92	ug/Kg	☼	08/20/15 09:00	08/26/15 16:26	1
1,3-Dichlorobenzene	<1.2		4.0	1.2	ug/Kg	☼	08/20/15 09:00	08/26/15 16:26	1
1,4-Dichlorobenzene	<0.86		4.0	0.86	ug/Kg	☼	08/20/15 09:00	08/26/15 16:26	1
Dichlorodifluoromethane	<1.3		4.0	1.3	ug/Kg	☼	08/20/15 09:00	08/26/15 16:26	1
1,1-Dichloroethane	<0.82		4.0	0.82	ug/Kg	☼	08/20/15 09:00	08/26/15 16:26	1
1,2-Dichloroethane	<0.59		4.0	0.59	ug/Kg	☼	08/20/15 09:00	08/26/15 16:26	1
1,1-Dichloroethene	<1.5		4.0	1.5	ug/Kg	☼	08/20/15 09:00	08/26/15 16:26	1
1,2-Dichloropropane	<1.0		4.0	1.0	ug/Kg	☼	08/20/15 09:00	08/26/15 16:26	1
1,3-Dichloropropane	<0.77		4.0	0.77	ug/Kg	☼	08/20/15 09:00	08/26/15 16:26	1
2,2-Dichloropropane	<8.0		16	8.0	ug/Kg	☼	08/20/15 09:00	08/26/15 16:26	1
1,1-Dichloropropene	<1.2		4.0	1.2	ug/Kg	☼	08/20/15 09:00	08/26/15 16:26	1
Ethylbenzene	<0.99		4.0	0.99	ug/Kg	☼	08/20/15 09:00	08/26/15 16:26	1
Hexachlorobutadiene	<1.2		4.0	1.2	ug/Kg	☼	08/20/15 09:00	08/26/15 16:26	1
Isopropylbenzene	<1.1		4.0	1.1	ug/Kg	☼	08/20/15 09:00	08/26/15 16:26	1
Isopropyl ether	<0.84		4.0	0.84	ug/Kg	☼	08/20/15 09:00	08/26/15 16:26	1
Methylene Chloride	<3.0		4.0	3.0	ug/Kg	☼	08/20/15 09:00	08/26/15 16:26	1
Methyl tert-butyl ether	<0.94		4.0	0.94	ug/Kg	☼	08/20/15 09:00	08/26/15 16:26	1
Naphthalene	<1.8		4.0	1.8	ug/Kg	☼	08/20/15 09:00	08/26/15 16:26	1
n-Butylbenzene	<1.3		4.0	1.3	ug/Kg	☼	08/20/15 09:00	08/26/15 16:26	1
N-Propylbenzene	<1.2		4.0	1.2	ug/Kg	☼	08/20/15 09:00	08/26/15 16:26	1
p-Isopropyltoluene	<1.2		4.0	1.2	ug/Kg	☼	08/20/15 09:00	08/26/15 16:26	1
sec-Butylbenzene	<1.3		4.0	1.3	ug/Kg	☼	08/20/15 09:00	08/26/15 16:26	1
Styrene	<0.93		4.0	0.93	ug/Kg	☼	08/20/15 09:00	08/26/15 16:26	1
tert-Butylbenzene	<1.0		4.0	1.0	ug/Kg	☼	08/20/15 09:00	08/26/15 16:26	1
1,1,1,2-Tetrachloroethane	<0.93		4.0	0.93	ug/Kg	☼	08/20/15 09:00	08/26/15 16:26	1
1,1,2,2-Tetrachloroethane	<0.63		4.0	0.63	ug/Kg	☼	08/20/15 09:00	08/26/15 16:26	1
Tetrachloroethene	<0.83		4.0	0.83	ug/Kg	☼	08/20/15 09:00	08/26/15 16:26	1
Toluene	<1.4		4.0	1.4	ug/Kg	☼	08/20/15 09:00	08/26/15 16:26	1
trans-1,2-Dichloroethene	<1.0		4.0	1.0	ug/Kg	☼	08/20/15 09:00	08/26/15 16:26	1
trans-1,3-Dichloropropene	<1.1		4.0	1.1	ug/Kg	☼	08/20/15 09:00	08/26/15 16:26	1

Client Sample ID: 78+10/7'
Date Collected: 08/18/15 09:55
Date Received: 08/20/15 08:15

Lab Sample ID: 500-100137-2
Matrix: Solid
Percent Solids: 82.8

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<1.7		4.0	1.7	ug/Kg	☼	08/20/15 09:00	08/26/15 16:26	1
1,2,4-Trichlorobenzene	<1.6		4.0	1.6	ug/Kg	☼	08/20/15 09:00	08/26/15 16:26	1
1,1,1-Trichloroethane	<0.93		4.0	0.93	ug/Kg	☼	08/20/15 09:00	08/26/15 16:26	1
1,1,2-Trichloroethane	<0.77		4.0	0.77	ug/Kg	☼	08/20/15 09:00	08/26/15 16:26	1
Trichloroethene	<1.1		4.0	1.1	ug/Kg	☼	08/20/15 09:00	08/26/15 16:26	1
Trichlorofluoromethane	<0.93		4.0	0.93	ug/Kg	☼	08/20/15 09:00	08/26/15 16:26	1
1,2,3-Trichloropropane	<1.3		4.0	1.3	ug/Kg	☼	08/20/15 09:00	08/26/15 16:26	1
1,2,4-Trimethylbenzene	<1.0		4.0	1.0	ug/Kg	☼	08/20/15 09:00	08/26/15 16:26	1
1,3,5-Trimethylbenzene	<1.1		4.0	1.1	ug/Kg	☼	08/20/15 09:00	08/26/15 16:26	1
Vinyl chloride	<0.95		4.0	0.95	ug/Kg	☼	08/20/15 09:00	08/26/15 16:26	1
Xylenes, Total	<1.5		8.0	1.5	ug/Kg	☼	08/20/15 09:00	08/26/15 16:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*70 - 122*	*08/20/15 09:00*	*08/26/15 16:26*	*1*
Dibromofluoromethane	*93*		*75 - 120*	*08/20/15 09:00*	*08/26/15 16:26*	*1*
1,2-Dichloroethane-d4 (Surr)	*91*		*70 - 134*	*08/20/15 09:00*	*08/26/15 16:26*	*1*
Toluene-d8 (Surr)	*93*		*75 - 122*	*08/20/15 09:00*	*08/26/15 16:26*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<220		1000	220	ug/Kg	☼	08/24/15 16:40	08/27/15 10:56	5
1,2-Dichlorobenzene	<240		1000	240	ug/Kg	☼	08/24/15 16:40	08/27/15 10:56	5
1,3-Dichlorobenzene	<220		1000	220	ug/Kg	☼	08/24/15 16:40	08/27/15 10:56	5
1,4-Dichlorobenzene	<260		1000	260	ug/Kg	☼	08/24/15 16:40	08/27/15 10:56	5
1-Methylnaphthalene	**110**	**J**	200	49	ug/Kg	☼	08/24/15 16:40	08/27/15 10:56	5
2,2'-oxybis[1-chloropropane]	<230		1000	230	ug/Kg	☼	08/24/15 16:40	08/27/15 10:56	5
2,4,5-Trichlorophenol	<460		2000	460	ug/Kg	☼	08/24/15 16:40	08/27/15 10:56	5
2,4,6-Trichlorophenol	<690		2000	690	ug/Kg	☼	08/24/15 16:40	08/27/15 10:56	5
2,4-Dichlorophenol	<470		2000	470	ug/Kg	☼	08/24/15 16:40	08/27/15 10:56	5
2,4-Dimethylphenol	<760		2000	760	ug/Kg	☼	08/24/15 16:40	08/27/15 10:56	5
2,4-Dinitrophenol	<3500	*	4000	3500	ug/Kg	☼	08/24/15 16:40	08/27/15 10:56	5
2,4-Dinitrotoluene	<320		1000	320	ug/Kg	☼	08/24/15 16:40	08/27/15 10:56	5
2,6-Dinitrotoluene	<390		1000	390	ug/Kg	☼	08/24/15 16:40	08/27/15 10:56	5
2-Chloronaphthalene	<220		1000	220	ug/Kg	☼	08/24/15 16:40	08/27/15 10:56	5
2-Chlorophenol	<340		1000	340	ug/Kg	☼	08/24/15 16:40	08/27/15 10:56	5
2-Methylnaphthalene	**110**	**J**	200	37	ug/Kg	☼	08/24/15 16:40	08/27/15 10:56	5
2-Methylphenol	<320		1000	320	ug/Kg	☼	08/24/15 16:40	08/27/15 10:56	5
2-Nitroaniline	<270		1000	270	ug/Kg	☼	08/24/15 16:40	08/27/15 10:56	5
2-Nitrophenol	<470		2000	470	ug/Kg	☼	08/24/15 16:40	08/27/15 10:56	5
3 & 4 Methylphenol	<330		1000	330	ug/Kg	☼	08/24/15 16:40	08/27/15 10:56	5
3,3'-Dichlorobenzidine	<280		1000	280	ug/Kg	☼	08/24/15 16:40	08/27/15 10:56	5
3-Nitroaniline	<620		2000	620	ug/Kg	☼	08/24/15 16:40	08/27/15 10:56	5
4,6-Dinitro-2-methylphenol	<1600	*	2000	1600	ug/Kg	☼	08/24/15 16:40	08/27/15 10:56	5
4-Bromophenyl phenyl ether	<260		1000	260	ug/Kg	☼	08/24/15 16:40	08/27/15 10:56	5
4-Chloro-3-methylphenol	<680		2000	680	ug/Kg	☼	08/24/15 16:40	08/27/15 10:56	5
4-Chloroaniline	<940		4000	940	ug/Kg	☼	08/24/15 16:40	08/27/15 10:56	5
4-Chlorophenyl phenyl ether	<230		1000	230	ug/Kg	☼	08/24/15 16:40	08/27/15 10:56	5
4-Nitroaniline	<840		2000	840	ug/Kg	☼	08/24/15 16:40	08/27/15 10:56	5
4-Nitrophenol	<1900		4000	1900	ug/Kg	☼	08/24/15 16:40	08/27/15 10:56	5
Acenaphthene	**120**	**J**	200	36	ug/Kg	☼	08/24/15 16:40	08/27/15 10:56	5

Client Sample ID: 78+10/7'
Date Collected: 08/18/15 09:55
Date Received: 08/20/15 08:15

Lab Sample ID: 500-100137-2
Matrix: Solid
Percent Solids: 82.8

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	**420**		200	26	ug/Kg	☼	08/24/15 16:40	08/27/15 10:56	5
Anthracene	**2000**		200	33	ug/Kg	☼	08/24/15 16:40	08/27/15 10:56	5
Benzo[a]anthracene	**5200**		200	27	ug/Kg	☼	08/24/15 16:40	08/27/15 10:56	5
Benzo[a]pyrene	**4500**		200	39	ug/Kg	☼	08/24/15 16:40	08/27/15 10:56	5
Benzo[b]fluoranthene	**6000**		200	43	ug/Kg	☼	08/24/15 16:40	08/27/15 10:56	5
Benzo[g,h,i]perylene	**1100**		200	64	ug/Kg	☼	08/24/15 16:40	08/27/15 10:56	5
Benzo[k]fluoranthene	**2700**		200	59	ug/Kg	☼	08/24/15 16:40	08/27/15 10:56	5
Benzoic acid	<2000	*	10000	2000	ug/Kg	☼	08/24/15 16:40	08/27/15 10:56	5
Benzyl alcohol	<600		2000	600	ug/Kg	☼	08/24/15 16:40	08/27/15 10:56	5
Bis(2-chloroethoxy)methane	<200		1000	200	ug/Kg	☼	08/24/15 16:40	08/27/15 10:56	5
Bis(2-chloroethyl)ether	<300		1000	300	ug/Kg	☼	08/24/15 16:40	08/27/15 10:56	5
Bis(2-ethylhexyl) phthalate	<360		1000	360	ug/Kg	☼	08/24/15 16:40	08/27/15 10:56	5
Butyl benzyl phthalate	<380		1000	380	ug/Kg	☼	08/24/15 16:40	08/27/15 10:56	5
Carbazole	**1700**		1000	500	ug/Kg	☼	08/24/15 16:40	08/27/15 10:56	5
Chrysene	**4700**		200	54	ug/Kg	☼	08/24/15 16:40	08/27/15 10:56	5
Dibenz(a,h)anthracene	**380**		200	39	ug/Kg	☼	08/24/15 16:40	08/27/15 10:56	5
Dibenzofuran	**400**	**J**	1000	230	ug/Kg	☼	08/24/15 16:40	08/27/15 10:56	5
Diethyl phthalate	<340		1000	340	ug/Kg	☼	08/24/15 16:40	08/27/15 10:56	5
Dimethyl phthalate	<260		1000	260	ug/Kg	☼	08/24/15 16:40	08/27/15 10:56	5
Di-n-butyl phthalate	<300		1000	300	ug/Kg	☼	08/24/15 16:40	08/27/15 10:56	5
Di-n-octyl phthalate	<330		1000	330	ug/Kg	☼	08/24/15 16:40	08/27/15 10:56	5
Fluoranthene	**9700**		200	37	ug/Kg	☼	08/24/15 16:40	08/27/15 10:56	5
Fluorene	**970**		200	28	ug/Kg	☼	08/24/15 16:40	08/27/15 10:56	5
Hexachlorobenzene	<46		400	46	ug/Kg	☼	08/24/15 16:40	08/27/15 10:56	5
Hexachlorobutadiene	<310		1000	310	ug/Kg	☼	08/24/15 16:40	08/27/15 10:56	5
Hexachlorocyclopentadiene	<1100		4000	1100	ug/Kg	☼	08/24/15 16:40	08/27/15 10:56	5
Hexachloroethane	<300		1000	300	ug/Kg	☼	08/24/15 16:40	08/27/15 10:56	5
Indeno[1,2,3-cd]pyrene	**1500**		200	52	ug/Kg	☼	08/24/15 16:40	08/27/15 10:56	5
Isophorone	<220		1000	220	ug/Kg	☼	08/24/15 16:40	08/27/15 10:56	5
Naphthalene	**220**		200	31	ug/Kg	☼	08/24/15 16:40	08/27/15 10:56	5
Nitrobenzene	<50		200	50	ug/Kg	☼	08/24/15 16:40	08/27/15 10:56	5
N-Nitrosodi-n-propylamine	<240		1000	240	ug/Kg	☼	08/24/15 16:40	08/27/15 10:56	5
N-Nitrosodiphenylamine	<240		1000	240	ug/Kg	☼	08/24/15 16:40	08/27/15 10:56	5
Pentachlorophenol	<3200		4000	3200	ug/Kg	☼	08/24/15 16:40	08/27/15 10:56	5
Phenanthrene	**6700**		200	28	ug/Kg	☼	08/24/15 16:40	08/27/15 10:56	5
Phenol	<440		1000	440	ug/Kg	☼	08/24/15 16:40	08/27/15 10:56	5
Pyrene	**7900**		200	40	ug/Kg	☼	08/24/15 16:40	08/27/15 10:56	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*89*		*35 - 137*	*08/24/15 16:40*	*08/27/15 10:56*	*5*
2-Fluorobiphenyl	*98*		*25 - 119*	*08/24/15 16:40*	*08/27/15 10:56*	*5*
2-Fluorophenol (Surr)	*77*		*25 - 110*	*08/24/15 16:40*	*08/27/15 10:56*	*5*
Nitrobenzene-d5 (Surr)	*69*		*25 - 115*	*08/24/15 16:40*	*08/27/15 10:56*	*5*
Phenol-d5 (Surr)	*72*		*31 - 110*	*08/24/15 16:40*	*08/27/15 10:56*	*5*
Terphenyl-d14 (Surr)	*110*		*36 - 134*	*08/24/15 16:40*	*08/27/15 10:56*	*5*

Client: SCS Engineers
Project/Site: James Park - 25214107

TestAmerica Job ID: 500-100137-1

Client Sample ID: Exterior Pipe Crust 78+10/7'
Date Collected: 08/19/15 10:05
Date Received: 08/20/15 08:15

Lab Sample ID: 500-100137-3
Matrix: Solid
Percent Solids: 86.8

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**30**		16	4.8	ug/Kg	☼	08/23/15 12:06	08/26/15 17:47	50
Bromobenzene	<28		130	28	ug/Kg	☼	08/23/15 12:06	08/26/15 17:47	50
Bromochloromethane	<25		130	25	ug/Kg	☼	08/23/15 12:06	08/26/15 17:47	50
Bromodichloromethane	<22		130	22	ug/Kg	☼	08/23/15 12:06	08/26/15 17:47	50
Bromoform	<29		130	29	ug/Kg	☼	08/23/15 12:06	08/26/15 17:47	50
Bromomethane	<44		130	44	ug/Kg	☼	08/23/15 12:06	08/26/15 17:47	50
Carbon tetrachloride	<17		65	17	ug/Kg	☼	08/23/15 12:06	08/26/15 17:47	50
Chlorobenzene	<9.3		65	9.3	ug/Kg	☼	08/23/15 12:06	08/26/15 17:47	50
Chloroethane	<28		130	28	ug/Kg	☼	08/23/15 12:06	08/26/15 17:47	50
Chloroform	<13		65	13	ug/Kg	☼	08/23/15 12:06	08/26/15 17:47	50
Chloromethane	<30		130	30	ug/Kg	☼	08/23/15 12:06	08/26/15 17:47	50
2-Chlorotoluene	<13		65	13	ug/Kg	☼	08/23/15 12:06	08/26/15 17:47	50
4-Chlorotoluene	<13		65	13	ug/Kg	☼	08/23/15 12:06	08/26/15 17:47	50
cis-1,2-Dichloroethene	<8.0		65	8.0	ug/Kg	☼	08/23/15 12:06	08/26/15 17:47	50
cis-1,3-Dichloropropene	<12		65	12	ug/Kg	☼	08/23/15 12:06	08/26/15 17:47	50
Dibromochloromethane	<23		130	23	ug/Kg	☼	08/23/15 12:06	08/26/15 17:47	50
1,2-Dibromo-3-Chloropropane	<57		130	57	ug/Kg	☼	08/23/15 12:06	08/26/15 17:47	50
1,2-Dibromoethane	<20		130	20	ug/Kg	☼	08/23/15 12:06	08/26/15 17:47	50
Dibromomethane	<31		130	31	ug/Kg	☼	08/23/15 12:06	08/26/15 17:47	50
1,2-Dichlorobenzene	<13		130	13	ug/Kg	☼	08/23/15 12:06	08/26/15 17:47	50
1,3-Dichlorobenzene	<17		130	17	ug/Kg	☼	08/23/15 12:06	08/26/15 17:47	50
1,4-Dichlorobenzene	<11		130	11	ug/Kg	☼	08/23/15 12:06	08/26/15 17:47	50
Dichlorodifluoromethane	<33		130	33	ug/Kg	☼	08/23/15 12:06	08/26/15 17:47	50
1,1-Dichloroethane	<12		65	12	ug/Kg	☼	08/23/15 12:06	08/26/15 17:47	50
1,2-Dichloroethane	<19		65	19	ug/Kg	☼	08/23/15 12:06	08/26/15 17:47	50
1,1-Dichloroethene	<20		65	20	ug/Kg	☼	08/23/15 12:06	08/26/15 17:47	50
1,2-Dichloropropane	<13		65	13	ug/Kg	☼	08/23/15 12:06	08/26/15 17:47	50
1,3-Dichloropropane	<8.7		65	8.7	ug/Kg	☼	08/23/15 12:06	08/26/15 17:47	50
2,2-Dichloropropane	<21		65	21	ug/Kg	☼	08/23/15 12:06	08/26/15 17:47	50
1,1-Dichloropropene	<22		65	22	ug/Kg	☼	08/23/15 12:06	08/26/15 17:47	50
Ethylbenzene	<8.2		16	8.2	ug/Kg	☼	08/23/15 12:06	08/26/15 17:47	50
Hexachlorobutadiene	<23		130	23	ug/Kg	☼	08/23/15 12:06	08/26/15 17:47	50
Isopropylbenzene	<16		130	16	ug/Kg	☼	08/23/15 12:06	08/26/15 17:47	50
Isopropyl ether	<9.6		130	9.6	ug/Kg	☼	08/23/15 12:06	08/26/15 17:47	50
Methylene Chloride	<45		330	45	ug/Kg	☼	08/23/15 12:06	08/26/15 17:47	50
Methyl tert-butyl ether	<28		130	28	ug/Kg	☼	08/23/15 12:06	08/26/15 17:47	50
Naphthalene	<32		130	32	ug/Kg	☼	08/23/15 12:06	08/26/15 17:47	50
n-Butylbenzene	<8.4		65	8.4	ug/Kg	☼	08/23/15 12:06	08/26/15 17:47	50
N-Propylbenzene	<11		130	11	ug/Kg	☼	08/23/15 12:06	08/26/15 17:47	50
p-Isopropyltoluene	<12		130	12	ug/Kg	☼	08/23/15 12:06	08/26/15 17:47	50
sec-Butylbenzene	<10		65	10	ug/Kg	☼	08/23/15 12:06	08/26/15 17:47	50
Styrene	<6.4		65	6.4	ug/Kg	☼	08/23/15 12:06	08/26/15 17:47	50
tert-Butylbenzene	<8.9		65	8.9	ug/Kg	☼	08/23/15 12:06	08/26/15 17:47	50
1,1,1,2-Tetrachloroethane	<23		130	23	ug/Kg	☼	08/23/15 12:06	08/26/15 17:47	50
1,1,2,2-Tetrachloroethane	<15		65	15	ug/Kg	☼	08/23/15 12:06	08/26/15 17:47	50
Tetrachloroethene	<11		65	11	ug/Kg	☼	08/23/15 12:06	08/26/15 17:47	50
Toluene	**15**	**J**	16	7.5	ug/Kg	☼	08/23/15 12:06	08/26/15 17:47	50
trans-1,2-Dichloroethene	<16		65	16	ug/Kg	☼	08/23/15 12:06	08/26/15 17:47	50
trans-1,3-Dichloropropene	<14		65	14	ug/Kg	☼	08/23/15 12:06	08/26/15 17:47	50

Client Sample ID: Exterior Pipe Crust 78+10/7'
Date Collected: 08/19/15 10:05
Date Received: 08/20/15 08:15

Lab Sample ID: 500-100137-3
Matrix: Solid
Percent Solids: 86.8

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<23		130	23	ug/Kg	☼	08/23/15 12:06	08/26/15 17:47	50
1,2,4-Trichlorobenzene	<25		130	25	ug/Kg	☼	08/23/15 12:06	08/26/15 17:47	50
1,1,1-Trichloroethane	<13		65	13	ug/Kg	☼	08/23/15 12:06	08/26/15 17:47	50
1,1,2-Trichloroethane	<18		65	18	ug/Kg	☼	08/23/15 12:06	08/26/15 17:47	50
Trichloroethene	<12		33	12	ug/Kg	☼	08/23/15 12:06	08/26/15 17:47	50
Trichlorofluoromethane	<27		130	27	ug/Kg	☼	08/23/15 12:06	08/26/15 17:47	50
1,2,3-Trichloropropane	<37		130	37	ug/Kg	☼	08/23/15 12:06	08/26/15 17:47	50
1,2,4-Trimethylbenzene	<14		130	14	ug/Kg	☼	08/23/15 12:06	08/26/15 17:47	50
1,3,5-Trimethylbenzene	<13		130	13	ug/Kg	☼	08/23/15 12:06	08/26/15 17:47	50
Vinyl chloride	<6.8		16	6.8	ug/Kg	☼	08/23/15 12:06	08/26/15 17:47	50
Xylenes, Total	<4.5		33	4.5	ug/Kg	☼	08/23/15 12:06	08/26/15 17:47	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*75 - 125*	*08/23/15 12:06*	*08/26/15 17:47*	*50*
Toluene-d8 (Surr)	*91*		*75 - 120*	*08/23/15 12:06*	*08/26/15 17:47*	*50*
4-Bromofluorobenzene (Surr)	*104*		*75 - 120*	*08/23/15 12:06*	*08/26/15 17:47*	*50*
Dibromofluoromethane	*91*		*75 - 120*	*08/23/15 12:06*	*08/26/15 17:47*	*50*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		940	200	ug/Kg	☼	08/24/15 16:40	08/27/15 11:21	5
1,2-Dichlorobenzene	<220		940	220	ug/Kg	☼	08/24/15 16:40	08/27/15 11:21	5
1,3-Dichlorobenzene	<210		940	210	ug/Kg	☼	08/24/15 16:40	08/27/15 11:21	5
1,4-Dichlorobenzene	<240		940	240	ug/Kg	☼	08/24/15 16:40	08/27/15 11:21	5
1-Methylnaphthalene	<46		190	46	ug/Kg	☼	08/24/15 16:40	08/27/15 11:21	5
2,2'-oxybis[1-chloropropane]	<220		940	220	ug/Kg	☼	08/24/15 16:40	08/27/15 11:21	5
2,4,5-Trichlorophenol	<430		1900	430	ug/Kg	☼	08/24/15 16:40	08/27/15 11:21	5
2,4,6-Trichlorophenol	<640		1900	640	ug/Kg	☼	08/24/15 16:40	08/27/15 11:21	5
2,4-Dichlorophenol	<440		1900	440	ug/Kg	☼	08/24/15 16:40	08/27/15 11:21	5
2,4-Dimethylphenol	<710		1900	710	ug/Kg	☼	08/24/15 16:40	08/27/15 11:21	5
2,4-Dinitrophenol	<3300	*	3800	3300	ug/Kg	☼	08/24/15 16:40	08/27/15 11:21	5
2,4-Dinitrotoluene	<300		940	300	ug/Kg	☼	08/24/15 16:40	08/27/15 11:21	5
2,6-Dinitrotoluene	<370		940	370	ug/Kg	☼	08/24/15 16:40	08/27/15 11:21	5
2-Chloronaphthalene	<210		940	210	ug/Kg	☼	08/24/15 16:40	08/27/15 11:21	5
2-Chlorophenol	<320		940	320	ug/Kg	☼	08/24/15 16:40	08/27/15 11:21	5
2-Methylnaphthalene	**44**	**J**	190	34	ug/Kg	☼	08/24/15 16:40	08/27/15 11:21	5
2-Methylphenol	<300		940	300	ug/Kg	☼	08/24/15 16:40	08/27/15 11:21	5
2-Nitroaniline	<250		940	250	ug/Kg	☼	08/24/15 16:40	08/27/15 11:21	5
2-Nitrophenol	<440		1900	440	ug/Kg	☼	08/24/15 16:40	08/27/15 11:21	5
3 & 4 Methylphenol	<310		940	310	ug/Kg	☼	08/24/15 16:40	08/27/15 11:21	5
3,3'-Dichlorobenzidine	<260		940	260	ug/Kg	☼	08/24/15 16:40	08/27/15 11:21	5
3-Nitroaniline	<580		1900	580	ug/Kg	☼	08/24/15 16:40	08/27/15 11:21	5
4,6-Dinitro-2-methylphenol	<1500	*	1900	1500	ug/Kg	☼	08/24/15 16:40	08/27/15 11:21	5
4-Bromophenyl phenyl ether	<250		940	250	ug/Kg	☼	08/24/15 16:40	08/27/15 11:21	5
4-Chloro-3-methylphenol	<640		1900	640	ug/Kg	☼	08/24/15 16:40	08/27/15 11:21	5
4-Chloroaniline	<880		3800	880	ug/Kg	☼	08/24/15 16:40	08/27/15 11:21	5
4-Chlorophenyl phenyl ether	<220		940	220	ug/Kg	☼	08/24/15 16:40	08/27/15 11:21	5
4-Nitroaniline	<780		1900	780	ug/Kg	☼	08/24/15 16:40	08/27/15 11:21	5
4-Nitrophenol	<1800		3800	1800	ug/Kg	☼	08/24/15 16:40	08/27/15 11:21	5
Acenaphthene	**69**	**J**	190	34	ug/Kg	☼	08/24/15 16:40	08/27/15 11:21	5

Client: SCS Engineers
Project/Site: James Park - 25214107

TestAmerica Job ID: 500-100137-1

Client Sample ID: Exterior Pipe Crust 78+10/7'
Date Collected: 08/19/15 10:05
Date Received: 08/20/15 08:15

Lab Sample ID: 500-100137-3
Matrix: Solid
Percent Solids: 86.8

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	**170**	**J**	190	25	ug/Kg	☼	08/24/15 16:40	08/27/15 11:21	5
Anthracene	**790**		190	31	ug/Kg	☼	08/24/15 16:40	08/27/15 11:21	5
Benzo[a]anthracene	**2600**		190	25	ug/Kg	☼	08/24/15 16:40	08/27/15 11:21	5
Benzo[a]pyrene	**2600**		190	36	ug/Kg	☼	08/24/15 16:40	08/27/15 11:21	5
Benzo[b]fluoranthene	**3100**		190	40	ug/Kg	☼	08/24/15 16:40	08/27/15 11:21	5
Benzo[g,h,i]perylene	**600**		190	60	ug/Kg	☼	08/24/15 16:40	08/27/15 11:21	5
Benzo[k]fluoranthene	**1600**		190	55	ug/Kg	☼	08/24/15 16:40	08/27/15 11:21	5
Benzoic acid	<1900	*	9400	1900	ug/Kg	☼	08/24/15 16:40	08/27/15 11:21	5
Benzyl alcohol	<560		1900	560	ug/Kg	☼	08/24/15 16:40	08/27/15 11:21	5
Bis(2-chloroethoxy)methane	<190		940	190	ug/Kg	☼	08/24/15 16:40	08/27/15 11:21	5
Bis(2-chloroethyl)ether	<280		940	280	ug/Kg	☼	08/24/15 16:40	08/27/15 11:21	5
Bis(2-ethylhexyl) phthalate	<340		940	340	ug/Kg	☼	08/24/15 16:40	08/27/15 11:21	5
Butyl benzyl phthalate	<360		940	360	ug/Kg	☼	08/24/15 16:40	08/27/15 11:21	5
Carbazole	**620**	**J**	940	470	ug/Kg	☼	08/24/15 16:40	08/27/15 11:21	5
Chrysene	**2300**		190	51	ug/Kg	☼	08/24/15 16:40	08/27/15 11:21	5
Dibenz(a,h)anthracene	**230**		190	36	ug/Kg	☼	08/24/15 16:40	08/27/15 11:21	5
Dibenzofuran	<220		940	220	ug/Kg	☼	08/24/15 16:40	08/27/15 11:21	5
Diethyl phthalate	<320		940	320	ug/Kg	☼	08/24/15 16:40	08/27/15 11:21	5
Dimethyl phthalate	<240		940	240	ug/Kg	☼	08/24/15 16:40	08/27/15 11:21	5
Di-n-butyl phthalate	<290		940	290	ug/Kg	☼	08/24/15 16:40	08/27/15 11:21	5
Di-n-octyl phthalate	<310		940	310	ug/Kg	☼	08/24/15 16:40	08/27/15 11:21	5
Fluoranthene	**4100**		190	35	ug/Kg	☼	08/24/15 16:40	08/27/15 11:21	5
Fluorene	**470**		190	26	ug/Kg	☼	08/24/15 16:40	08/27/15 11:21	5
Hexachlorobenzene	<43		380	43	ug/Kg	☼	08/24/15 16:40	08/27/15 11:21	5
Hexachlorobutadiene	<290		940	290	ug/Kg	☼	08/24/15 16:40	08/27/15 11:21	5
Hexachlorocyclopentadiene	<1100		3800	1100	ug/Kg	☼	08/24/15 16:40	08/27/15 11:21	5
Hexachloroethane	<280		940	280	ug/Kg	☼	08/24/15 16:40	08/27/15 11:21	5
Indeno[1,2,3-cd]pyrene	**880**		190	49	ug/Kg	☼	08/24/15 16:40	08/27/15 11:21	5
Isophorone	<210		940	210	ug/Kg	☼	08/24/15 16:40	08/27/15 11:21	5
Naphthalene	**87**	**J**	190	29	ug/Kg	☼	08/24/15 16:40	08/27/15 11:21	5
Nitrobenzene	<47		190	47	ug/Kg	☼	08/24/15 16:40	08/27/15 11:21	5
N-Nitrosodi-n-propylamine	<230		940	230	ug/Kg	☼	08/24/15 16:40	08/27/15 11:21	5
N-Nitrosodiphenylamine	<220		940	220	ug/Kg	☼	08/24/15 16:40	08/27/15 11:21	5
Pentachlorophenol	<3000		3800	3000	ug/Kg	☼	08/24/15 16:40	08/27/15 11:21	5
Phenanthrene	**2900**		190	26	ug/Kg	☼	08/24/15 16:40	08/27/15 11:21	5
Phenol	<420		940	420	ug/Kg	☼	08/24/15 16:40	08/27/15 11:21	5
Pyrene	**3400**		190	37	ug/Kg	☼	08/24/15 16:40	08/27/15 11:21	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*72*		*35 - 137*	*08/24/15 16:40*	*08/27/15 11:21*	*5*
2-Fluorobiphenyl	*84*		*25 - 119*	*08/24/15 16:40*	*08/27/15 11:21*	*5*
2-Fluorophenol (Surr)	*69*		*25 - 110*	*08/24/15 16:40*	*08/27/15 11:21*	*5*
Nitrobenzene-d5 (Surr)	*60*		*25 - 115*	*08/24/15 16:40*	*08/27/15 11:21*	*5*
Phenol-d5 (Surr)	*59*		*31 - 110*	*08/24/15 16:40*	*08/27/15 11:21*	*5*
Terphenyl-d14 (Surr)	*105*		*36 - 134*	*08/24/15 16:40*	*08/27/15 11:21*	*5*

Client Sample ID: Interior Pipe Crust 78+10/7'
Date Collected: 08/19/15 10:50
Date Received: 08/20/15 08:15

Lab Sample ID: 500-100137-4
Matrix: Solid
Percent Solids: 68.5

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.3		6.0	1.3	ug/Kg	☼	08/20/15 09:00	08/26/15 16:51	1
Bromobenzene	<1.4		6.0	1.4	ug/Kg	☼	08/20/15 09:00	08/26/15 16:51	1
Bromochloromethane	<1.2		6.0	1.2	ug/Kg	☼	08/20/15 09:00	08/26/15 16:51	1
Bromodichloromethane	<1.0		6.0	1.0	ug/Kg	☼	08/20/15 09:00	08/26/15 16:51	1
Bromoform	<1.2		6.0	1.2	ug/Kg	☼	08/20/15 09:00	08/26/15 16:51	1
Bromomethane	<2.2	*	6.0	2.2	ug/Kg	☼	08/20/15 09:00	08/26/15 16:51	1
Carbon tetrachloride	<1.3		6.0	1.3	ug/Kg	☼	08/20/15 09:00	08/26/15 16:51	1
Chlorobenzene	<1.4		6.0	1.4	ug/Kg	☼	08/20/15 09:00	08/26/15 16:51	1
Chloroethane	<2.5		6.0	2.5	ug/Kg	☼	08/20/15 09:00	08/26/15 16:51	1
Chloroform	<1.2		6.0	1.2	ug/Kg	☼	08/20/15 09:00	08/26/15 16:51	1
Chloromethane	<1.4		6.0	1.4	ug/Kg	☼	08/20/15 09:00	08/26/15 16:51	1
2-Chlorotoluene	<1.4		6.0	1.4	ug/Kg	☼	08/20/15 09:00	08/26/15 16:51	1
4-Chlorotoluene	<1.6		6.0	1.6	ug/Kg	☼	08/20/15 09:00	08/26/15 16:51	1
cis-1,2-Dichloroethene	<1.2		6.0	1.2	ug/Kg	☼	08/20/15 09:00	08/26/15 16:51	1
cis-1,3-Dichloropropene	<1.4		6.0	1.4	ug/Kg	☼	08/20/15 09:00	08/26/15 16:51	1
Dibromochloromethane	<0.69		6.0	0.69	ug/Kg	☼	08/20/15 09:00	08/26/15 16:51	1
1,2-Dibromo-3-Chloropropane	<2.6		6.0	2.6	ug/Kg	☼	08/20/15 09:00	08/26/15 16:51	1
1,2-Dibromoethane	<1.5		6.0	1.5	ug/Kg	☼	08/20/15 09:00	08/26/15 16:51	1
Dibromomethane	<1.6		6.0	1.6	ug/Kg	☼	08/20/15 09:00	08/26/15 16:51	1
1,2-Dichlorobenzene	<1.4		6.0	1.4	ug/Kg	☼	08/20/15 09:00	08/26/15 16:51	1
1,3-Dichlorobenzene	<1.8		6.0	1.8	ug/Kg	☼	08/20/15 09:00	08/26/15 16:51	1
1,4-Dichlorobenzene	<1.3		6.0	1.3	ug/Kg	☼	08/20/15 09:00	08/26/15 16:51	1
Dichlorodifluoromethane	<2.0		6.0	2.0	ug/Kg	☼	08/20/15 09:00	08/26/15 16:51	1
1,1-Dichloroethane	<1.2		6.0	1.2	ug/Kg	☼	08/20/15 09:00	08/26/15 16:51	1
1,2-Dichloroethane	<0.89		6.0	0.89	ug/Kg	☼	08/20/15 09:00	08/26/15 16:51	1
1,1-Dichloroethene	<2.2		6.0	2.2	ug/Kg	☼	08/20/15 09:00	08/26/15 16:51	1
1,2-Dichloropropane	<1.6		6.0	1.6	ug/Kg	☼	08/20/15 09:00	08/26/15 16:51	1
1,3-Dichloropropane	<1.2		6.0	1.2	ug/Kg	☼	08/20/15 09:00	08/26/15 16:51	1
2,2-Dichloropropane	<12		24	12	ug/Kg	☼	08/20/15 09:00	08/26/15 16:51	1
1,1-Dichloropropene	<1.9		6.0	1.9	ug/Kg	☼	08/20/15 09:00	08/26/15 16:51	1
Ethylbenzene	<1.5		6.0	1.5	ug/Kg	☼	08/20/15 09:00	08/26/15 16:51	1
Hexachlorobutadiene	<1.9		6.0	1.9	ug/Kg	☼	08/20/15 09:00	08/26/15 16:51	1
Isopropylbenzene	<1.6		6.0	1.6	ug/Kg	☼	08/20/15 09:00	08/26/15 16:51	1
Isopropyl ether	<1.3		6.0	1.3	ug/Kg	☼	08/20/15 09:00	08/26/15 16:51	1
Methylene Chloride	<4.6		6.0	4.6	ug/Kg	☼	08/20/15 09:00	08/26/15 16:51	1
Methyl tert-butyl ether	<1.4		6.0	1.4	ug/Kg	☼	08/20/15 09:00	08/26/15 16:51	1
Naphthalene	<2.7		6.0	2.7	ug/Kg	☼	08/20/15 09:00	08/26/15 16:51	1
n-Butylbenzene	<2.0		6.0	2.0	ug/Kg	☼	08/20/15 09:00	08/26/15 16:51	1
N-Propylbenzene	<1.7		6.0	1.7	ug/Kg	☼	08/20/15 09:00	08/26/15 16:51	1
p-Isopropyltoluene	<1.8		6.0	1.8	ug/Kg	☼	08/20/15 09:00	08/26/15 16:51	1
sec-Butylbenzene	<1.9		6.0	1.9	ug/Kg	☼	08/20/15 09:00	08/26/15 16:51	1
Styrene	<1.4		6.0	1.4	ug/Kg	☼	08/20/15 09:00	08/26/15 16:51	1
tert-Butylbenzene	<1.5		6.0	1.5	ug/Kg	☼	08/20/15 09:00	08/26/15 16:51	1
1,1,1,2-Tetrachloroethane	<1.4		6.0	1.4	ug/Kg	☼	08/20/15 09:00	08/26/15 16:51	1
1,1,2,2-Tetrachloroethane	<0.96		6.0	0.96	ug/Kg	☼	08/20/15 09:00	08/26/15 16:51	1
Tetrachloroethene	<1.3		6.0	1.3	ug/Kg	☼	08/20/15 09:00	08/26/15 16:51	1
Toluene	<2.1		6.0	2.1	ug/Kg	☼	08/20/15 09:00	08/26/15 16:51	1
trans-1,2-Dichloroethene	<1.5		6.0	1.5	ug/Kg	☼	08/20/15 09:00	08/26/15 16:51	1
trans-1,3-Dichloropropene	<1.7		6.0	1.7	ug/Kg	☼	08/20/15 09:00	08/26/15 16:51	1

Client Sample ID: Interior Pipe Crust 78+10/7'
Date Collected: 08/19/15 10:50
Date Received: 08/20/15 08:15

Lab Sample ID: 500-100137-4
Matrix: Solid
Percent Solids: 68.5

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<2.6		6.0	2.6	ug/Kg	☼	08/20/15 09:00	08/26/15 16:51	1
1,2,4-Trichlorobenzene	<2.4		6.0	2.4	ug/Kg	☼	08/20/15 09:00	08/26/15 16:51	1
1,1,1-Trichloroethane	<1.4		6.0	1.4	ug/Kg	☼	08/20/15 09:00	08/26/15 16:51	1
1,1,2-Trichloroethane	<1.2		6.0	1.2	ug/Kg	☼	08/20/15 09:00	08/26/15 16:51	1
Trichloroethene	<1.6		6.0	1.6	ug/Kg	☼	08/20/15 09:00	08/26/15 16:51	1
Trichlorofluoromethane	<1.4		6.0	1.4	ug/Kg	☼	08/20/15 09:00	08/26/15 16:51	1
1,2,3-Trichloropropane	<2.0		6.0	2.0	ug/Kg	☼	08/20/15 09:00	08/26/15 16:51	1
1,2,4-Trimethylbenzene	<1.6		6.0	1.6	ug/Kg	☼	08/20/15 09:00	08/26/15 16:51	1
1,3,5-Trimethylbenzene	<1.7		6.0	1.7	ug/Kg	☼	08/20/15 09:00	08/26/15 16:51	1
Vinyl chloride	<1.4		6.0	1.4	ug/Kg	☼	08/20/15 09:00	08/26/15 16:51	1
Xylenes, Total	<2.2		12	2.2	ug/Kg	☼	08/20/15 09:00	08/26/15 16:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*70 - 122*	*08/20/15 09:00*	*08/26/15 16:51*	*1*
Dibromofluoromethane	*94*		*75 - 120*	*08/20/15 09:00*	*08/26/15 16:51*	*1*
1,2-Dichloroethane-d4 (Surr)	*89*		*70 - 134*	*08/20/15 09:00*	*08/26/15 16:51*	*1*
Toluene-d8 (Surr)	*91*		*75 - 122*	*08/20/15 09:00*	*08/26/15 16:51*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<260		1200	260	ug/Kg	☼	08/24/15 16:40	08/27/15 11:46	5
1,2-Dichlorobenzene	<290		1200	290	ug/Kg	☼	08/24/15 16:40	08/27/15 11:46	5
1,3-Dichlorobenzene	<270		1200	270	ug/Kg	☼	08/24/15 16:40	08/27/15 11:46	5
1,4-Dichlorobenzene	<310		1200	310	ug/Kg	☼	08/24/15 16:40	08/27/15 11:46	5
1-Methylnaphthalene	**170**	**J**	240	59	ug/Kg	☼	08/24/15 16:40	08/27/15 11:46	5
2,2'-oxybis[1-chloropropane]	<280		1200	280	ug/Kg	☼	08/24/15 16:40	08/27/15 11:46	5
2,4,5-Trichlorophenol	<550		2400	550	ug/Kg	☼	08/24/15 16:40	08/27/15 11:46	5
2,4,6-Trichlorophenol	<830		2400	830	ug/Kg	☼	08/24/15 16:40	08/27/15 11:46	5
2,4-Dichlorophenol	<570		2400	570	ug/Kg	☼	08/24/15 16:40	08/27/15 11:46	5
2,4-Dimethylphenol	<910		2400	910	ug/Kg	☼	08/24/15 16:40	08/27/15 11:46	5
2,4-Dinitrophenol	<4200	*	4900	4200	ug/Kg	☼	08/24/15 16:40	08/27/15 11:46	5
2,4-Dinitrotoluene	<380		1200	380	ug/Kg	☼	08/24/15 16:40	08/27/15 11:46	5
2,6-Dinitrotoluene	<470		1200	470	ug/Kg	☼	08/24/15 16:40	08/27/15 11:46	5
2-Chloronaphthalene	<270		1200	270	ug/Kg	☼	08/24/15 16:40	08/27/15 11:46	5
2-Chlorophenol	<410		1200	410	ug/Kg	☼	08/24/15 16:40	08/27/15 11:46	5
2-Methylnaphthalene	**200**	**J**	240	44	ug/Kg	☼	08/24/15 16:40	08/27/15 11:46	5
2-Methylphenol	<390		1200	390	ug/Kg	☼	08/24/15 16:40	08/27/15 11:46	5
2-Nitroaniline	<320		1200	320	ug/Kg	☼	08/24/15 16:40	08/27/15 11:46	5
2-Nitrophenol	<570		2400	570	ug/Kg	☼	08/24/15 16:40	08/27/15 11:46	5
3 & 4 Methylphenol	<400		1200	400	ug/Kg	☼	08/24/15 16:40	08/27/15 11:46	5
3,3'-Dichlorobenzidine	<340		1200	340	ug/Kg	☼	08/24/15 16:40	08/27/15 11:46	5
3-Nitroaniline	<750		2400	750	ug/Kg	☼	08/24/15 16:40	08/27/15 11:46	5
4,6-Dinitro-2-methylphenol	<1900	*	2400	1900	ug/Kg	☼	08/24/15 16:40	08/27/15 11:46	5
4-Bromophenyl phenyl ether	<320		1200	320	ug/Kg	☼	08/24/15 16:40	08/27/15 11:46	5
4-Chloro-3-methylphenol	<820		2400	820	ug/Kg	☼	08/24/15 16:40	08/27/15 11:46	5
4-Chloroaniline	<1100		4900	1100	ug/Kg	☼	08/24/15 16:40	08/27/15 11:46	5
4-Chlorophenyl phenyl ether	<280		1200	280	ug/Kg	☼	08/24/15 16:40	08/27/15 11:46	5
4-Nitroaniline	<1000		2400	1000	ug/Kg	☼	08/24/15 16:40	08/27/15 11:46	5
4-Nitrophenol	<2300		4900	2300	ug/Kg	☼	08/24/15 16:40	08/27/15 11:46	5
Acenaphthene	**100**	**J**	240	43	ug/Kg	☼	08/24/15 16:40	08/27/15 11:46	5

Client Sample ID: Interior Pipe Crust 78+10/7'
Date Collected: 08/19/15 10:50
Date Received: 08/20/15 08:15

Lab Sample ID: 500-100137-4
Matrix: Solid
Percent Solids: 68.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	**180**	**J**	240	32	ug/Kg	☼	08/24/15 16:40	08/27/15 11:46	5
Anthracene	**1500**		240	40	ug/Kg	☼	08/24/15 16:40	08/27/15 11:46	5
Benzo[a]anthracene	**3300**		240	32	ug/Kg	☼	08/24/15 16:40	08/27/15 11:46	5
Benzo[a]pyrene	**2900**		240	47	ug/Kg	☼	08/24/15 16:40	08/27/15 11:46	5
Benzo[b]fluoranthene	**4000**		240	52	ug/Kg	☼	08/24/15 16:40	08/27/15 11:46	5
Benzo[g,h,i]perylene	**780**		240	78	ug/Kg	☼	08/24/15 16:40	08/27/15 11:46	5
Benzo[k]fluoranthene	**1900**		240	71	ug/Kg	☼	08/24/15 16:40	08/27/15 11:46	5
Benzoic acid	<2400	*	12000	2400	ug/Kg	☼	08/24/15 16:40	08/27/15 11:46	5
Benzyl alcohol	<720		2400	720	ug/Kg	☼	08/24/15 16:40	08/27/15 11:46	5
Bis(2-chloroethoxy)methane	<250		1200	250	ug/Kg	☼	08/24/15 16:40	08/27/15 11:46	5
Bis(2-chloroethyl)ether	<360		1200	360	ug/Kg	☼	08/24/15 16:40	08/27/15 11:46	5
Bis(2-ethylhexyl) phthalate	<440		1200	440	ug/Kg	☼	08/24/15 16:40	08/27/15 11:46	5
Butyl benzyl phthalate	<460		1200	460	ug/Kg	☼	08/24/15 16:40	08/27/15 11:46	5
Carbazole	**1200**		1200	600	ug/Kg	☼	08/24/15 16:40	08/27/15 11:46	5
Chrysene	**3100**		240	66	ug/Kg	☼	08/24/15 16:40	08/27/15 11:46	5
Dibenz(a,h)anthracene	**280**		240	47	ug/Kg	☼	08/24/15 16:40	08/27/15 11:46	5
Dibenzofuran	**480**	**J**	1200	280	ug/Kg	☼	08/24/15 16:40	08/27/15 11:46	5
Diethyl phthalate	<410		1200	410	ug/Kg	☼	08/24/15 16:40	08/27/15 11:46	5
Dimethyl phthalate	<310		1200	310	ug/Kg	☼	08/24/15 16:40	08/27/15 11:46	5
Di-n-butyl phthalate	<370		1200	370	ug/Kg	☼	08/24/15 16:40	08/27/15 11:46	5
Di-n-octyl phthalate	<390		1200	390	ug/Kg	☼	08/24/15 16:40	08/27/15 11:46	5
Fluoranthene	**7100**		240	45	ug/Kg	☼	08/24/15 16:40	08/27/15 11:46	5
Fluorene	**830**		240	34	ug/Kg	☼	08/24/15 16:40	08/27/15 11:46	5
Hexachlorobenzene	<56		490	56	ug/Kg	☼	08/24/15 16:40	08/27/15 11:46	5
Hexachlorobutadiene	<380		1200	380	ug/Kg	☼	08/24/15 16:40	08/27/15 11:46	5
Hexachlorocyclopentadiene	<1400		4900	1400	ug/Kg	☼	08/24/15 16:40	08/27/15 11:46	5
Hexachloroethane	<370		1200	370	ug/Kg	☼	08/24/15 16:40	08/27/15 11:46	5
Indeno[1,2,3-cd]pyrene	**1000**		240	62	ug/Kg	☼	08/24/15 16:40	08/27/15 11:46	5
Isophorone	<270		1200	270	ug/Kg	☼	08/24/15 16:40	08/27/15 11:46	5
Naphthalene	**500**		240	37	ug/Kg	☼	08/24/15 16:40	08/27/15 11:46	5
Nitrobenzene	<60		240	60	ug/Kg	☼	08/24/15 16:40	08/27/15 11:46	5
N-Nitrosodi-n-propylamine	<290		1200	290	ug/Kg	☼	08/24/15 16:40	08/27/15 11:46	5
N-Nitrosodiphenylamine	<280		1200	280	ug/Kg	☼	08/24/15 16:40	08/27/15 11:46	5
Pentachlorophenol	<3900		4900	3900	ug/Kg	☼	08/24/15 16:40	08/27/15 11:46	5
Phenanthrene	**6000**		240	34	ug/Kg	☼	08/24/15 16:40	08/27/15 11:46	5
Phenol	<540		1200	540	ug/Kg	☼	08/24/15 16:40	08/27/15 11:46	5
Pyrene	**5400**		240	48	ug/Kg	☼	08/24/15 16:40	08/27/15 11:46	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*65*		*35 - 137*	*08/24/15 16:40*	*08/27/15 11:46*	*5*
2-Fluorobiphenyl	*79*		*25 - 119*	*08/24/15 16:40*	*08/27/15 11:46*	*5*
2-Fluorophenol (Surr)	*73*		*25 - 110*	*08/24/15 16:40*	*08/27/15 11:46*	*5*
Nitrobenzene-d5 (Surr)	*66*		*25 - 115*	*08/24/15 16:40*	*08/27/15 11:46*	*5*
Phenol-d5 (Surr)	*63*		*31 - 110*	*08/24/15 16:40*	*08/27/15 11:46*	*5*
Terphenyl-d14 (Surr)	*98*		*36 - 134*	*08/24/15 16:40*	*08/27/15 11:46*	*5*

Client: SCS Engineers
Project/Site: James Park - 25214107

TestAmerica Job ID: 500-100137-1

Client Sample ID: Exterior Pipe Crust A 78+10/7'
Date Collected: 08/19/15 11:20
Date Received: 08/20/15 08:15

Lab Sample ID: 500-100137-5
Matrix: Solid
Percent Solids: 80.9

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.71		3.2	0.71	ug/Kg	☼	08/20/15 09:00	08/26/15 17:15	1
Bromobenzene	<0.72		3.2	0.72	ug/Kg	☼	08/20/15 09:00	08/26/15 17:15	1
Bromochloromethane	<0.61		3.2	0.61	ug/Kg	☼	08/20/15 09:00	08/26/15 17:15	1
Bromodichloromethane	<0.54		3.2	0.54	ug/Kg	☼	08/20/15 09:00	08/26/15 17:15	1
Bromoform	<0.65		3.2	0.65	ug/Kg	☼	08/20/15 09:00	08/26/15 17:15	1
Bromomethane	<1.2	*	3.2	1.2	ug/Kg	☼	08/20/15 09:00	08/26/15 17:15	1
Carbon tetrachloride	<0.68		3.2	0.68	ug/Kg	☼	08/20/15 09:00	08/26/15 17:15	1
Chlorobenzene	<0.75		3.2	0.75	ug/Kg	☼	08/20/15 09:00	08/26/15 17:15	1
Chloroethane	<1.3		3.2	1.3	ug/Kg	☼	08/20/15 09:00	08/26/15 17:15	1
Chloroform	<0.62		3.2	0.62	ug/Kg	☼	08/20/15 09:00	08/26/15 17:15	1
Chloromethane	<0.76		3.2	0.76	ug/Kg	☼	08/20/15 09:00	08/26/15 17:15	1
2-Chlorotoluene	<0.73		3.2	0.73	ug/Kg	☼	08/20/15 09:00	08/26/15 17:15	1
4-Chlorotoluene	<0.84		3.2	0.84	ug/Kg	☼	08/20/15 09:00	08/26/15 17:15	1
cis-1,2-Dichloroethene	<0.65		3.2	0.65	ug/Kg	☼	08/20/15 09:00	08/26/15 17:15	1
cis-1,3-Dichloropropene	<0.73		3.2	0.73	ug/Kg	☼	08/20/15 09:00	08/26/15 17:15	1
Dibromochloromethane	<0.37		3.2	0.37	ug/Kg	☼	08/20/15 09:00	08/26/15 17:15	1
1,2-Dibromo-3-Chloropropane	<1.4		3.2	1.4	ug/Kg	☼	08/20/15 09:00	08/26/15 17:15	1
1,2-Dibromoethane	<0.81		3.2	0.81	ug/Kg	☼	08/20/15 09:00	08/26/15 17:15	1
Dibromomethane	<0.86		3.2	0.86	ug/Kg	☼	08/20/15 09:00	08/26/15 17:15	1
1,2-Dichlorobenzene	<0.73		3.2	0.73	ug/Kg	☼	08/20/15 09:00	08/26/15 17:15	1
1,3-Dichlorobenzene	<0.96		3.2	0.96	ug/Kg	☼	08/20/15 09:00	08/26/15 17:15	1
1,4-Dichlorobenzene	<0.69		3.2	0.69	ug/Kg	☼	08/20/15 09:00	08/26/15 17:15	1
Dichlorodifluoromethane	<1.0		3.2	1.0	ug/Kg	☼	08/20/15 09:00	08/26/15 17:15	1
1,1-Dichloroethane	<0.66		3.2	0.66	ug/Kg	☼	08/20/15 09:00	08/26/15 17:15	1
1,2-Dichloroethane	<0.47		3.2	0.47	ug/Kg	☼	08/20/15 09:00	08/26/15 17:15	1
1,1-Dichloroethene	<1.2		3.2	1.2	ug/Kg	☼	08/20/15 09:00	08/26/15 17:15	1
1,2-Dichloropropane	<0.83		3.2	0.83	ug/Kg	☼	08/20/15 09:00	08/26/15 17:15	1
1,3-Dichloropropane	<0.61		3.2	0.61	ug/Kg	☼	08/20/15 09:00	08/26/15 17:15	1
2,2-Dichloropropane	<6.4		13	6.4	ug/Kg	☼	08/20/15 09:00	08/26/15 17:15	1
1,1-Dichloropropene	<0.99		3.2	0.99	ug/Kg	☼	08/20/15 09:00	08/26/15 17:15	1
Ethylbenzene	<0.79		3.2	0.79	ug/Kg	☼	08/20/15 09:00	08/26/15 17:15	1
Hexachlorobutadiene	<0.99		3.2	0.99	ug/Kg	☼	08/20/15 09:00	08/26/15 17:15	1
Isopropylbenzene	<0.86		3.2	0.86	ug/Kg	☼	08/20/15 09:00	08/26/15 17:15	1
Isopropyl ether	<0.67		3.2	0.67	ug/Kg	☼	08/20/15 09:00	08/26/15 17:15	1
Methylene Chloride	<2.4		3.2	2.4	ug/Kg	☼	08/20/15 09:00	08/26/15 17:15	1
Methyl tert-butyl ether	<0.75		3.2	0.75	ug/Kg	☼	08/20/15 09:00	08/26/15 17:15	1
Naphthalene	**3.7**		3.2	1.4	ug/Kg	☼	08/20/15 09:00	08/26/15 17:15	1
n-Butylbenzene	<1.0		3.2	1.0	ug/Kg	☼	08/20/15 09:00	08/26/15 17:15	1
N-Propylbenzene	<0.92		3.2	0.92	ug/Kg	☼	08/20/15 09:00	08/26/15 17:15	1
p-Isopropyltoluene	<0.97		3.2	0.97	ug/Kg	☼	08/20/15 09:00	08/26/15 17:15	1
sec-Butylbenzene	<1.0		3.2	1.0	ug/Kg	☼	08/20/15 09:00	08/26/15 17:15	1
Styrene	<0.74		3.2	0.74	ug/Kg	☼	08/20/15 09:00	08/26/15 17:15	1
tert-Butylbenzene	<0.81		3.2	0.81	ug/Kg	☼	08/20/15 09:00	08/26/15 17:15	1
1,1,1,2-Tetrachloroethane	<0.74		3.2	0.74	ug/Kg	☼	08/20/15 09:00	08/26/15 17:15	1
1,1,2,2-Tetrachloroethane	<0.50		3.2	0.50	ug/Kg	☼	08/20/15 09:00	08/26/15 17:15	1
Tetrachloroethene	<0.66		3.2	0.66	ug/Kg	☼	08/20/15 09:00	08/26/15 17:15	1
Toluene	<1.1		3.2	1.1	ug/Kg	☼	08/20/15 09:00	08/26/15 17:15	1
trans-1,2-Dichloroethene	<0.79		3.2	0.79	ug/Kg	☼	08/20/15 09:00	08/26/15 17:15	1
trans-1,3-Dichloropropene	<0.90		3.2	0.90	ug/Kg	☼	08/20/15 09:00	08/26/15 17:15	1

Client Sample ID: Exterior Pipe Crust A 78+10/7'
Date Collected: 08/19/15 11:20
Date Received: 08/20/15 08:15

Lab Sample ID: 500-100137-5
Matrix: Solid
Percent Solids: 80.9

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<1.4		3.2	1.4	ug/Kg	☼	08/20/15 09:00	08/26/15 17:15	1
1,2,4-Trichlorobenzene	<1.3		3.2	1.3	ug/Kg	☼	08/20/15 09:00	08/26/15 17:15	1
1,1,1-Trichloroethane	<0.74		3.2	0.74	ug/Kg	☼	08/20/15 09:00	08/26/15 17:15	1
1,1,2-Trichloroethane	<0.62		3.2	0.62	ug/Kg	☼	08/20/15 09:00	08/26/15 17:15	1
Trichloroethene	<0.86		3.2	0.86	ug/Kg	☼	08/20/15 09:00	08/26/15 17:15	1
Trichlorofluoromethane	<0.74		3.2	0.74	ug/Kg	☼	08/20/15 09:00	08/26/15 17:15	1
1,2,3-Trichloropropane	<1.1		3.2	1.1	ug/Kg	☼	08/20/15 09:00	08/26/15 17:15	1
1,2,4-Trimethylbenzene	<0.82		3.2	0.82	ug/Kg	☼	08/20/15 09:00	08/26/15 17:15	1
1,3,5-Trimethylbenzene	<0.91		3.2	0.91	ug/Kg	☼	08/20/15 09:00	08/26/15 17:15	1
Vinyl chloride	<0.76		3.2	0.76	ug/Kg	☼	08/20/15 09:00	08/26/15 17:15	1
Xylenes, Total	<1.2		6.4	1.2	ug/Kg	☼	08/20/15 09:00	08/26/15 17:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*70 - 122*	*08/20/15 09:00*	*08/26/15 17:15*	*1*
Dibromofluoromethane	*91*		*75 - 120*	*08/20/15 09:00*	*08/26/15 17:15*	*1*
1,2-Dichloroethane-d4 (Surr)	*89*		*70 - 134*	*08/20/15 09:00*	*08/26/15 17:15*	*1*
Toluene-d8 (Surr)	*93*		*75 - 122*	*08/20/15 09:00*	*08/26/15 17:15*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<420		2000	420	ug/Kg	☼	08/24/15 16:40	08/27/15 12:12	10
1,2-Dichlorobenzene	<470		2000	470	ug/Kg	☼	08/24/15 16:40	08/27/15 12:12	10
1,3-Dichlorobenzene	<440		2000	440	ug/Kg	☼	08/24/15 16:40	08/27/15 12:12	10
1,4-Dichlorobenzene	<500		2000	500	ug/Kg	☼	08/24/15 16:40	08/27/15 12:12	10
1-Methylnaphthalene	**250**	**J**	390	95	ug/Kg	☼	08/24/15 16:40	08/27/15 12:12	10
2,2'-oxybis[1-chloropropane]	<450		2000	450	ug/Kg	☼	08/24/15 16:40	08/27/15 12:12	10
2,4,5-Trichlorophenol	<890		3900	890	ug/Kg	☼	08/24/15 16:40	08/27/15 12:12	10
2,4,6-Trichlorophenol	<1300		3900	1300	ug/Kg	☼	08/24/15 16:40	08/27/15 12:12	10
2,4-Dichlorophenol	<930		3900	930	ug/Kg	☼	08/24/15 16:40	08/27/15 12:12	10
2,4-Dimethylphenol	<1500		3900	1500	ug/Kg	☼	08/24/15 16:40	08/27/15 12:12	10
2,4-Dinitrophenol	<6900	*	7900	6900	ug/Kg	☼	08/24/15 16:40	08/27/15 12:12	10
2,4-Dinitrotoluene	<620		2000	620	ug/Kg	☼	08/24/15 16:40	08/27/15 12:12	10
2,6-Dinitrotoluene	<770		2000	770	ug/Kg	☼	08/24/15 16:40	08/27/15 12:12	10
2-Chloronaphthalene	<430		2000	430	ug/Kg	☼	08/24/15 16:40	08/27/15 12:12	10
2-Chlorophenol	<670		2000	670	ug/Kg	☼	08/24/15 16:40	08/27/15 12:12	10
2-Methylnaphthalene	**190**	**J**	390	72	ug/Kg	☼	08/24/15 16:40	08/27/15 12:12	10
2-Methylphenol	<630		2000	630	ug/Kg	☼	08/24/15 16:40	08/27/15 12:12	10
2-Nitroaniline	<530		2000	530	ug/Kg	☼	08/24/15 16:40	08/27/15 12:12	10
2-Nitrophenol	<920		3900	920	ug/Kg	☼	08/24/15 16:40	08/27/15 12:12	10
3 & 4 Methylphenol	<650		2000	650	ug/Kg	☼	08/24/15 16:40	08/27/15 12:12	10
3,3'-Dichlorobenzidine	<550		2000	550	ug/Kg	☼	08/24/15 16:40	08/27/15 12:12	10
3-Nitroaniline	<1200		3900	1200	ug/Kg	☼	08/24/15 16:40	08/27/15 12:12	10
4,6-Dinitro-2-methylphenol	<3100	*	3900	3100	ug/Kg	☼	08/24/15 16:40	08/27/15 12:12	10
4-Bromophenyl phenyl ether	<520		2000	520	ug/Kg	☼	08/24/15 16:40	08/27/15 12:12	10
4-Chloro-3-methylphenol	<1300		3900	1300	ug/Kg	☼	08/24/15 16:40	08/27/15 12:12	10
4-Chloroaniline	<1800		7900	1800	ug/Kg	☼	08/24/15 16:40	08/27/15 12:12	10
4-Chlorophenyl phenyl ether	<460		2000	460	ug/Kg	☼	08/24/15 16:40	08/27/15 12:12	10
4-Nitroaniline	<1600		3900	1600	ug/Kg	☼	08/24/15 16:40	08/27/15 12:12	10
4-Nitrophenol	<3700		7900	3700	ug/Kg	☼	08/24/15 16:40	08/27/15 12:12	10
Acenaphthene	**400**		390	70	ug/Kg	☼	08/24/15 16:40	08/27/15 12:12	10

Client: SCS Engineers
Project/Site: James Park - 25214107

TestAmerica Job ID: 500-100137-1

Client Sample ID: Exterior Pipe Crust A 78+10/7'
Date Collected: 08/19/15 11:20
Date Received: 08/20/15 08:15

Lab Sample ID: 500-100137-5
Matrix: Solid
Percent Solids: 80.9

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	**910**		390	52	ug/Kg	☼	08/24/15 16:40	08/27/15 12:12	10
Anthracene	**5500**		390	65	ug/Kg	☼	08/24/15 16:40	08/27/15 12:12	10
Benzo[a]anthracene	**8700**		390	53	ug/Kg	☼	08/24/15 16:40	08/27/15 12:12	10
Benzo[a]pyrene	**7400**		390	76	ug/Kg	☼	08/24/15 16:40	08/27/15 12:12	10
Benzo[b]fluoranthene	**9900**		390	84	ug/Kg	☼	08/24/15 16:40	08/27/15 12:12	10
Benzo[g,h,i]perylene	**1800**		390	130	ug/Kg	☼	08/24/15 16:40	08/27/15 12:12	10
Benzo[k]fluoranthene	**4700**		390	120	ug/Kg	☼	08/24/15 16:40	08/27/15 12:12	10
Benzoic acid	<3900	*	20000	3900	ug/Kg	☼	08/24/15 16:40	08/27/15 12:12	10
Benzyl alcohol	<1200		3900	1200	ug/Kg	☼	08/24/15 16:40	08/27/15 12:12	10
Bis(2-chloroethoxy)methane	<400		2000	400	ug/Kg	☼	08/24/15 16:40	08/27/15 12:12	10
Bis(2-chloroethyl)ether	<590		2000	590	ug/Kg	☼	08/24/15 16:40	08/27/15 12:12	10
Bis(2-ethylhexyl) phthalate	<710		2000	710	ug/Kg	☼	08/24/15 16:40	08/27/15 12:12	10
Butyl benzyl phthalate	<740		2000	740	ug/Kg	☼	08/24/15 16:40	08/27/15 12:12	10
Carbazole	**3700**		2000	980	ug/Kg	☼	08/24/15 16:40	08/27/15 12:12	10
Chrysene	**8000**		390	110	ug/Kg	☼	08/24/15 16:40	08/27/15 12:12	10
Dibenz(a,h)anthracene	**680**		390	76	ug/Kg	☼	08/24/15 16:40	08/27/15 12:12	10
Dibenzofuran	**1600**	**J**	2000	460	ug/Kg	☼	08/24/15 16:40	08/27/15 12:12	10
Diethyl phthalate	<660		2000	660	ug/Kg	☼	08/24/15 16:40	08/27/15 12:12	10
Dimethyl phthalate	<510		2000	510	ug/Kg	☼	08/24/15 16:40	08/27/15 12:12	10
Di-n-butyl phthalate	<600		2000	600	ug/Kg	☼	08/24/15 16:40	08/27/15 12:12	10
Di-n-octyl phthalate	<640		2000	640	ug/Kg	☼	08/24/15 16:40	08/27/15 12:12	10
Fluoranthene	**20000**		390	73	ug/Kg	☼	08/24/15 16:40	08/27/15 12:12	10
Fluorene	**3500**		390	55	ug/Kg	☼	08/24/15 16:40	08/27/15 12:12	10
Hexachlorobenzene	<91		790	91	ug/Kg	☼	08/24/15 16:40	08/27/15 12:12	10
Hexachlorobutadiene	<610		2000	610	ug/Kg	☼	08/24/15 16:40	08/27/15 12:12	10
Hexachlorocyclopentadiene	<2200		7900	2200	ug/Kg	☼	08/24/15 16:40	08/27/15 12:12	10
Hexachloroethane	<590		2000	590	ug/Kg	☼	08/24/15 16:40	08/27/15 12:12	10
Indeno[1,2,3-cd]pyrene	**2300**		390	100	ug/Kg	☼	08/24/15 16:40	08/27/15 12:12	10
Isophorone	<440		2000	440	ug/Kg	☼	08/24/15 16:40	08/27/15 12:12	10
Naphthalene	**290**	**J**	390	60	ug/Kg	☼	08/24/15 16:40	08/27/15 12:12	10
Nitrobenzene	<98		390	98	ug/Kg	☼	08/24/15 16:40	08/27/15 12:12	10
N-Nitrosodi-n-propylamine	<480		2000	480	ug/Kg	☼	08/24/15 16:40	08/27/15 12:12	10
N-Nitrosodiphenylamine	<460		2000	460	ug/Kg	☼	08/24/15 16:40	08/27/15 12:12	10
Pentachlorophenol	<6300		7900	6300	ug/Kg	☼	08/24/15 16:40	08/27/15 12:12	10
Phenanthrene	**18000**		390	55	ug/Kg	☼	08/24/15 16:40	08/27/15 12:12	10
Phenol	<870		2000	870	ug/Kg	☼	08/24/15 16:40	08/27/15 12:12	10
Pyrene	**16000**		390	78	ug/Kg	☼	08/24/15 16:40	08/27/15 12:12	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*77*		*35 - 137*	*08/24/15 16:40*	*08/27/15 12:12*	*10*
2-Fluorobiphenyl	*112*		*25 - 119*	*08/24/15 16:40*	*08/27/15 12:12*	*10*
2-Fluorophenol (Surr)	*92*		*25 - 110*	*08/24/15 16:40*	*08/27/15 12:12*	*10*
Nitrobenzene-d5 (Surr)	*87*		*25 - 115*	*08/24/15 16:40*	*08/27/15 12:12*	*10*
Phenol-d5 (Surr)	*81*		*31 - 110*	*08/24/15 16:40*	*08/27/15 12:12*	*10*
Terphenyl-d14 (Surr)	*134*		*36 - 134*	*08/24/15 16:40*	*08/27/15 12:12*	*10*

Client Sample ID: Valve Crust 78+10/7'
Date Collected: 08/19/15 11:35
Date Received: 08/20/15 08:15

Lab Sample ID: 500-100137-6
Matrix: Solid
Percent Solids: 85.3

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.5		6.7	1.5	ug/Kg	☼	08/20/15 09:00	08/26/15 17:39	1
Bromobenzene	<1.5		6.7	1.5	ug/Kg	☼	08/20/15 09:00	08/26/15 17:39	1
Bromochloromethane	<1.3		6.7	1.3	ug/Kg	☼	08/20/15 09:00	08/26/15 17:39	1
Bromodichloromethane	<1.1		6.7	1.1	ug/Kg	☼	08/20/15 09:00	08/26/15 17:39	1
Bromoform	<1.4		6.7	1.4	ug/Kg	☼	08/20/15 09:00	08/26/15 17:39	1
Bromomethane	<2.5	*	6.7	2.5	ug/Kg	☼	08/20/15 09:00	08/26/15 17:39	1
Carbon tetrachloride	<1.4		6.7	1.4	ug/Kg	☼	08/20/15 09:00	08/26/15 17:39	1
Chlorobenzene	<1.6		6.7	1.6	ug/Kg	☼	08/20/15 09:00	08/26/15 17:39	1
Chloroethane	<2.8		6.7	2.8	ug/Kg	☼	08/20/15 09:00	08/26/15 17:39	1
Chloroform	<1.3		6.7	1.3	ug/Kg	☼	08/20/15 09:00	08/26/15 17:39	1
Chloromethane	<1.6		6.7	1.6	ug/Kg	☼	08/20/15 09:00	08/26/15 17:39	1
2-Chlorotoluene	<1.5		6.7	1.5	ug/Kg	☼	08/20/15 09:00	08/26/15 17:39	1
4-Chlorotoluene	<1.8		6.7	1.8	ug/Kg	☼	08/20/15 09:00	08/26/15 17:39	1
cis-1,2-Dichloroethene	<1.4		6.7	1.4	ug/Kg	☼	08/20/15 09:00	08/26/15 17:39	1
cis-1,3-Dichloropropene	<1.5		6.7	1.5	ug/Kg	☼	08/20/15 09:00	08/26/15 17:39	1
Dibromochloromethane	<0.77		6.7	0.77	ug/Kg	☼	08/20/15 09:00	08/26/15 17:39	1
1,2-Dibromo-3-Chloropropane	<2.8		6.7	2.8	ug/Kg	☼	08/20/15 09:00	08/26/15 17:39	1
1,2-Dibromoethane	<1.7		6.7	1.7	ug/Kg	☼	08/20/15 09:00	08/26/15 17:39	1
Dibromomethane	<1.8		6.7	1.8	ug/Kg	☼	08/20/15 09:00	08/26/15 17:39	1
1,2-Dichlorobenzene	<1.5		6.7	1.5	ug/Kg	☼	08/20/15 09:00	08/26/15 17:39	1
1,3-Dichlorobenzene	<2.0		6.7	2.0	ug/Kg	☼	08/20/15 09:00	08/26/15 17:39	1
1,4-Dichlorobenzene	<1.4		6.7	1.4	ug/Kg	☼	08/20/15 09:00	08/26/15 17:39	1
Dichlorodifluoromethane	<2.2		6.7	2.2	ug/Kg	☼	08/20/15 09:00	08/26/15 17:39	1
1,1-Dichloroethane	<1.4		6.7	1.4	ug/Kg	☼	08/20/15 09:00	08/26/15 17:39	1
1,2-Dichloroethane	<0.99		6.7	0.99	ug/Kg	☼	08/20/15 09:00	08/26/15 17:39	1
1,1-Dichloroethene	<2.4		6.7	2.4	ug/Kg	☼	08/20/15 09:00	08/26/15 17:39	1
1,2-Dichloropropane	<1.7		6.7	1.7	ug/Kg	☼	08/20/15 09:00	08/26/15 17:39	1
1,3-Dichloropropane	<1.3		6.7	1.3	ug/Kg	☼	08/20/15 09:00	08/26/15 17:39	1
2,2-Dichloropropane	<13		27	13	ug/Kg	☼	08/20/15 09:00	08/26/15 17:39	1
1,1-Dichloropropene	<2.1		6.7	2.1	ug/Kg	☼	08/20/15 09:00	08/26/15 17:39	1
Ethylbenzene	<1.7		6.7	1.7	ug/Kg	☼	08/20/15 09:00	08/26/15 17:39	1
Hexachlorobutadiene	<2.1		6.7	2.1	ug/Kg	☼	08/20/15 09:00	08/26/15 17:39	1
Isopropylbenzene	<1.8		6.7	1.8	ug/Kg	☼	08/20/15 09:00	08/26/15 17:39	1
Isopropyl ether	<1.4		6.7	1.4	ug/Kg	☼	08/20/15 09:00	08/26/15 17:39	1
Methylene Chloride	<5.0		6.7	5.0	ug/Kg	☼	08/20/15 09:00	08/26/15 17:39	1
Methyl tert-butyl ether	<1.6		6.7	1.6	ug/Kg	☼	08/20/15 09:00	08/26/15 17:39	1
Naphthalene	<2.9		6.7	2.9	ug/Kg	☼	08/20/15 09:00	08/26/15 17:39	1
n-Butylbenzene	<2.2		6.7	2.2	ug/Kg	☼	08/20/15 09:00	08/26/15 17:39	1
N-Propylbenzene	<1.9		6.7	1.9	ug/Kg	☼	08/20/15 09:00	08/26/15 17:39	1
p-Isopropyltoluene	<2.0		6.7	2.0	ug/Kg	☼	08/20/15 09:00	08/26/15 17:39	1
sec-Butylbenzene	<2.1		6.7	2.1	ug/Kg	☼	08/20/15 09:00	08/26/15 17:39	1
Styrene	<1.6		6.7	1.6	ug/Kg	☼	08/20/15 09:00	08/26/15 17:39	1
tert-Butylbenzene	<1.7		6.7	1.7	ug/Kg	☼	08/20/15 09:00	08/26/15 17:39	1
1,1,1,2-Tetrachloroethane	<1.5		6.7	1.5	ug/Kg	☼	08/20/15 09:00	08/26/15 17:39	1
1,1,2,2-Tetrachloroethane	<1.1		6.7	1.1	ug/Kg	☼	08/20/15 09:00	08/26/15 17:39	1
Tetrachloroethene	<1.4		6.7	1.4	ug/Kg	☼	08/20/15 09:00	08/26/15 17:39	1
Toluene	<2.3		6.7	2.3	ug/Kg	☼	08/20/15 09:00	08/26/15 17:39	1
trans-1,2-Dichloroethene	<1.7		6.7	1.7	ug/Kg	☼	08/20/15 09:00	08/26/15 17:39	1
trans-1,3-Dichloropropene	<1.9		6.7	1.9	ug/Kg	☼	08/20/15 09:00	08/26/15 17:39	1

Client Sample ID: Valve Crust 78+10/7'
Date Collected: 08/19/15 11:35
Date Received: 08/20/15 08:15

Lab Sample ID: 500-100137-6
Matrix: Solid
Percent Solids: 85.3

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<2.9		6.7	2.9	ug/Kg	☼	08/20/15 09:00	08/26/15 17:39	1
1,2,4-Trichlorobenzene	<2.7		6.7	2.7	ug/Kg	☼	08/20/15 09:00	08/26/15 17:39	1
1,1,1-Trichloroethane	<1.5		6.7	1.5	ug/Kg	☼	08/20/15 09:00	08/26/15 17:39	1
1,1,2-Trichloroethane	<1.3		6.7	1.3	ug/Kg	☼	08/20/15 09:00	08/26/15 17:39	1
Trichloroethene	<1.8		6.7	1.8	ug/Kg	☼	08/20/15 09:00	08/26/15 17:39	1
Trichlorofluoromethane	<1.5		6.7	1.5	ug/Kg	☼	08/20/15 09:00	08/26/15 17:39	1
1,2,3-Trichloropropane	<2.3		6.7	2.3	ug/Kg	☼	08/20/15 09:00	08/26/15 17:39	1
1,2,4-Trimethylbenzene	<1.7		6.7	1.7	ug/Kg	☼	08/20/15 09:00	08/26/15 17:39	1
1,3,5-Trimethylbenzene	<1.9		6.7	1.9	ug/Kg	☼	08/20/15 09:00	08/26/15 17:39	1
Vinyl chloride	<1.6		6.7	1.6	ug/Kg	☼	08/20/15 09:00	08/26/15 17:39	1
Xylenes, Total	<2.5		13	2.5	ug/Kg	☼	08/20/15 09:00	08/26/15 17:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*70 - 122*	*08/20/15 09:00*	*08/26/15 17:39*	*1*
Dibromofluoromethane	*92*		*75 - 120*	*08/20/15 09:00*	*08/26/15 17:39*	*1*
1,2-Dichloroethane-d4 (Surr)	*92*		*70 - 134*	*08/20/15 09:00*	*08/26/15 17:39*	*1*
Toluene-d8 (Surr)	*92*		*75 - 122*	*08/20/15 09:00*	*08/26/15 17:39*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<210		960	210	ug/Kg	☼	08/24/15 16:40	08/27/15 12:37	5
1,2-Dichlorobenzene	<230		960	230	ug/Kg	☼	08/24/15 16:40	08/27/15 12:37	5
1,3-Dichlorobenzene	<220		960	220	ug/Kg	☼	08/24/15 16:40	08/27/15 12:37	5
1,4-Dichlorobenzene	<250		960	250	ug/Kg	☼	08/24/15 16:40	08/27/15 12:37	5
1-Methylnaphthalene	<47		190	47	ug/Kg	☼	08/24/15 16:40	08/27/15 12:37	5
2,2'-oxybis[1-chloropropane]	<220		960	220	ug/Kg	☼	08/24/15 16:40	08/27/15 12:37	5
2,4,5-Trichlorophenol	<440		1900	440	ug/Kg	☼	08/24/15 16:40	08/27/15 12:37	5
2,4,6-Trichlorophenol	<660		1900	660	ug/Kg	☼	08/24/15 16:40	08/27/15 12:37	5
2,4-Dichlorophenol	<460		1900	460	ug/Kg	☼	08/24/15 16:40	08/27/15 12:37	5
2,4-Dimethylphenol	<730		1900	730	ug/Kg	☼	08/24/15 16:40	08/27/15 12:37	5
2,4-Dinitrophenol	<3400	*	3900	3400	ug/Kg	☼	08/24/15 16:40	08/27/15 12:37	5
2,4-Dinitrotoluene	<300		960	300	ug/Kg	☼	08/24/15 16:40	08/27/15 12:37	5
2,6-Dinitrotoluene	<380		960	380	ug/Kg	☼	08/24/15 16:40	08/27/15 12:37	5
2-Chloronaphthalene	<210		960	210	ug/Kg	☼	08/24/15 16:40	08/27/15 12:37	5
2-Chlorophenol	<330		960	330	ug/Kg	☼	08/24/15 16:40	08/27/15 12:37	5
2-Methylnaphthalene	<35		190	35	ug/Kg	☼	08/24/15 16:40	08/27/15 12:37	5
2-Methylphenol	<310		960	310	ug/Kg	☼	08/24/15 16:40	08/27/15 12:37	5
2-Nitroaniline	<260		960	260	ug/Kg	☼	08/24/15 16:40	08/27/15 12:37	5
2-Nitrophenol	<450		1900	450	ug/Kg	☼	08/24/15 16:40	08/27/15 12:37	5
3 & 4 Methylphenol	<320		960	320	ug/Kg	☼	08/24/15 16:40	08/27/15 12:37	5
3,3'-Dichlorobenzidine	<270		960	270	ug/Kg	☼	08/24/15 16:40	08/27/15 12:37	5
3-Nitroaniline	<590		1900	590	ug/Kg	☼	08/24/15 16:40	08/27/15 12:37	5
4,6-Dinitro-2-methylphenol	<1500	*	1900	1500	ug/Kg	☼	08/24/15 16:40	08/27/15 12:37	5
4-Bromophenyl phenyl ether	<250		960	250	ug/Kg	☼	08/24/15 16:40	08/27/15 12:37	5
4-Chloro-3-methylphenol	<650		1900	650	ug/Kg	☼	08/24/15 16:40	08/27/15 12:37	5
4-Chloroaniline	<900		3900	900	ug/Kg	☼	08/24/15 16:40	08/27/15 12:37	5
4-Chlorophenyl phenyl ether	<220		960	220	ug/Kg	☼	08/24/15 16:40	08/27/15 12:37	5
4-Nitroaniline	<800		1900	800	ug/Kg	☼	08/24/15 16:40	08/27/15 12:37	5
4-Nitrophenol	<1800		3900	1800	ug/Kg	☼	08/24/15 16:40	08/27/15 12:37	5
Acenaphthene	<34		190	34	ug/Kg	☼	08/24/15 16:40	08/27/15 12:37	5

Client Sample ID: Valve Crust 78+10/7'
Date Collected: 08/19/15 11:35
Date Received: 08/20/15 08:15

Lab Sample ID: 500-100137-6
Matrix: Solid
Percent Solids: 85.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	<25		190	25	ug/Kg	☼	08/24/15 16:40	08/27/15 12:37	5
Anthracene	<32		190	32	ug/Kg	☼	08/24/15 16:40	08/27/15 12:37	5
Benzo[a]anthracene	**26**	**J**	190	26	ug/Kg	☼	08/24/15 16:40	08/27/15 12:37	5
Benzo[a]pyrene	<37		190	37	ug/Kg	☼	08/24/15 16:40	08/27/15 12:37	5
Benzo[b]fluoranthene	<41		190	41	ug/Kg	☼	08/24/15 16:40	08/27/15 12:37	5
Benzo[g,h,i]perylene	<62		190	62	ug/Kg	☼	08/24/15 16:40	08/27/15 12:37	5
Benzo[k]fluoranthene	<57		190	57	ug/Kg	☼	08/24/15 16:40	08/27/15 12:37	5
Benzoic acid	<1900	*	9600	1900	ug/Kg	☼	08/24/15 16:40	08/27/15 12:37	5
Benzyl alcohol	<580		1900	580	ug/Kg	☼	08/24/15 16:40	08/27/15 12:37	5
Bis(2-chloroethoxy)methane	<200		960	200	ug/Kg	☼	08/24/15 16:40	08/27/15 12:37	5
Bis(2-chloroethyl)ether	<290		960	290	ug/Kg	☼	08/24/15 16:40	08/27/15 12:37	5
Bis(2-ethylhexyl) phthalate	<350		960	350	ug/Kg	☼	08/24/15 16:40	08/27/15 12:37	5
Butyl benzyl phthalate	<370		960	370	ug/Kg	☼	08/24/15 16:40	08/27/15 12:37	5
Carbazole	<480		960	480	ug/Kg	☼	08/24/15 16:40	08/27/15 12:37	5
Chrysene	<52		190	52	ug/Kg	☼	08/24/15 16:40	08/27/15 12:37	5
Dibenz(a,h)anthracene	<37		190	37	ug/Kg	☼	08/24/15 16:40	08/27/15 12:37	5
Dibenzofuran	<220		960	220	ug/Kg	☼	08/24/15 16:40	08/27/15 12:37	5
Diethyl phthalate	<330		960	330	ug/Kg	☼	08/24/15 16:40	08/27/15 12:37	5
Dimethyl phthalate	<250		960	250	ug/Kg	☼	08/24/15 16:40	08/27/15 12:37	5
Di-n-butyl phthalate	<290		960	290	ug/Kg	☼	08/24/15 16:40	08/27/15 12:37	5
Di-n-octyl phthalate	<310		960	310	ug/Kg	☼	08/24/15 16:40	08/27/15 12:37	5
Fluoranthene	**54**	**J**	190	36	ug/Kg	☼	08/24/15 16:40	08/27/15 12:37	5
Fluorene	<27		190	27	ug/Kg	☼	08/24/15 16:40	08/27/15 12:37	5
Hexachlorobenzene	<44		390	44	ug/Kg	☼	08/24/15 16:40	08/27/15 12:37	5
Hexachlorobutadiene	<300		960	300	ug/Kg	☼	08/24/15 16:40	08/27/15 12:37	5
Hexachlorocyclopentadiene	<1100		3900	1100	ug/Kg	☼	08/24/15 16:40	08/27/15 12:37	5
Hexachloroethane	<290		960	290	ug/Kg	☼	08/24/15 16:40	08/27/15 12:37	5
Indeno[1,2,3-cd]pyrene	<50		190	50	ug/Kg	☼	08/24/15 16:40	08/27/15 12:37	5
Isophorone	<220		960	220	ug/Kg	☼	08/24/15 16:40	08/27/15 12:37	5
Naphthalene	<30		190	30	ug/Kg	☼	08/24/15 16:40	08/27/15 12:37	5
Nitrobenzene	<48		190	48	ug/Kg	☼	08/24/15 16:40	08/27/15 12:37	5
N-Nitrosodi-n-propylamine	<230		960	230	ug/Kg	☼	08/24/15 16:40	08/27/15 12:37	5
N-Nitrosodiphenylamine	<230		960	230	ug/Kg	☼	08/24/15 16:40	08/27/15 12:37	5
Pentachlorophenol	<3100		3900	3100	ug/Kg	☼	08/24/15 16:40	08/27/15 12:37	5
Phenanthrene	**55**	**J**	190	27	ug/Kg	☼	08/24/15 16:40	08/27/15 12:37	5
Phenol	<430		960	430	ug/Kg	☼	08/24/15 16:40	08/27/15 12:37	5
Pyrene	**62**	**J**	190	38	ug/Kg	☼	08/24/15 16:40	08/27/15 12:37	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*78*		*35 - 137*	*08/24/15 16:40*	*08/27/15 12:37*	*5*
2-Fluorobiphenyl	*95*		*25 - 119*	*08/24/15 16:40*	*08/27/15 12:37*	*5*
2-Fluorophenol (Surr)	*83*		*25 - 110*	*08/24/15 16:40*	*08/27/15 12:37*	*5*
Nitrobenzene-d5 (Surr)	*79*		*25 - 115*	*08/24/15 16:40*	*08/27/15 12:37*	*5*
Phenol-d5 (Surr)	*69*		*31 - 110*	*08/24/15 16:40*	*08/27/15 12:37*	*5*
Terphenyl-d14 (Surr)	*111*		*36 - 134*	*08/24/15 16:40*	*08/27/15 12:37*	*5*

Client: SCS Engineers
Project/Site: James Park - 25214107

TestAmerica Job ID: 500-100137-1

Client Sample ID: Top Flange Crust 78+10/7'
Date Collected: 08/19/15 13:10
Date Received: 08/20/15 08:15

Lab Sample ID: 500-100137-7
Matrix: Solid
Percent Solids: 83.6

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.4		6.1	1.4	ug/Kg	☼	08/20/15 09:00	08/26/15 18:03	1
Bromobenzene	<1.4		6.1	1.4	ug/Kg	☼	08/20/15 09:00	08/26/15 18:03	1
Bromochloromethane	<1.2		6.1	1.2	ug/Kg	☼	08/20/15 09:00	08/26/15 18:03	1
Bromodichloromethane	<1.0		6.1	1.0	ug/Kg	☼	08/20/15 09:00	08/26/15 18:03	1
Bromoform	<1.2		6.1	1.2	ug/Kg	☼	08/20/15 09:00	08/26/15 18:03	1
Bromomethane	<2.2	*	6.1	2.2	ug/Kg	☼	08/20/15 09:00	08/26/15 18:03	1
Carbon tetrachloride	<1.3		6.1	1.3	ug/Kg	☼	08/20/15 09:00	08/26/15 18:03	1
Chlorobenzene	<1.4		6.1	1.4	ug/Kg	☼	08/20/15 09:00	08/26/15 18:03	1
Chloroethane	<2.6		6.1	2.6	ug/Kg	☼	08/20/15 09:00	08/26/15 18:03	1
Chloroform	<1.2		6.1	1.2	ug/Kg	☼	08/20/15 09:00	08/26/15 18:03	1
Chloromethane	<1.5		6.1	1.5	ug/Kg	☼	08/20/15 09:00	08/26/15 18:03	1
2-Chlorotoluene	<1.4		6.1	1.4	ug/Kg	☼	08/20/15 09:00	08/26/15 18:03	1
4-Chlorotoluene	<1.6		6.1	1.6	ug/Kg	☼	08/20/15 09:00	08/26/15 18:03	1
cis-1,2-Dichloroethene	<1.2		6.1	1.2	ug/Kg	☼	08/20/15 09:00	08/26/15 18:03	1
cis-1,3-Dichloropropene	<1.4		6.1	1.4	ug/Kg	☼	08/20/15 09:00	08/26/15 18:03	1
Dibromochloromethane	<0.70		6.1	0.70	ug/Kg	☼	08/20/15 09:00	08/26/15 18:03	1
1,2-Dibromo-3-Chloropropane	<2.6		6.1	2.6	ug/Kg	☼	08/20/15 09:00	08/26/15 18:03	1
1,2-Dibromoethane	<1.6		6.1	1.6	ug/Kg	☼	08/20/15 09:00	08/26/15 18:03	1
Dibromomethane	<1.7		6.1	1.7	ug/Kg	☼	08/20/15 09:00	08/26/15 18:03	1
1,2-Dichlorobenzene	<1.4		6.1	1.4	ug/Kg	☼	08/20/15 09:00	08/26/15 18:03	1
1,3-Dichlorobenzene	<1.8		6.1	1.8	ug/Kg	☼	08/20/15 09:00	08/26/15 18:03	1
1,4-Dichlorobenzene	<1.3		6.1	1.3	ug/Kg	☼	08/20/15 09:00	08/26/15 18:03	1
Dichlorodifluoromethane	<2.0		6.1	2.0	ug/Kg	☼	08/20/15 09:00	08/26/15 18:03	1
1,1-Dichloroethane	<1.3		6.1	1.3	ug/Kg	☼	08/20/15 09:00	08/26/15 18:03	1
1,2-Dichloroethane	<0.91		6.1	0.91	ug/Kg	☼	08/20/15 09:00	08/26/15 18:03	1
1,1-Dichloroethene	<2.2		6.1	2.2	ug/Kg	☼	08/20/15 09:00	08/26/15 18:03	1
1,2-Dichloropropane	<1.6		6.1	1.6	ug/Kg	☼	08/20/15 09:00	08/26/15 18:03	1
1,3-Dichloropropane	<1.2		6.1	1.2	ug/Kg	☼	08/20/15 09:00	08/26/15 18:03	1
2,2-Dichloropropane	<12		24	12	ug/Kg	☼	08/20/15 09:00	08/26/15 18:03	1
1,1-Dichloropropene	<1.9		6.1	1.9	ug/Kg	☼	08/20/15 09:00	08/26/15 18:03	1
Ethylbenzene	<1.5		6.1	1.5	ug/Kg	☼	08/20/15 09:00	08/26/15 18:03	1
Hexachlorobutadiene	<1.9		6.1	1.9	ug/Kg	☼	08/20/15 09:00	08/26/15 18:03	1
Isopropylbenzene	<1.7		6.1	1.7	ug/Kg	☼	08/20/15 09:00	08/26/15 18:03	1
Isopropyl ether	<1.3		6.1	1.3	ug/Kg	☼	08/20/15 09:00	08/26/15 18:03	1
Methylene Chloride	<4.6		6.1	4.6	ug/Kg	☼	08/20/15 09:00	08/26/15 18:03	1
Methyl tert-butyl ether	<1.4		6.1	1.4	ug/Kg	☼	08/20/15 09:00	08/26/15 18:03	1
Naphthalene	<2.7		6.1	2.7	ug/Kg	☼	08/20/15 09:00	08/26/15 18:03	1
n-Butylbenzene	<2.0		6.1	2.0	ug/Kg	☼	08/20/15 09:00	08/26/15 18:03	1
N-Propylbenzene	<1.8		6.1	1.8	ug/Kg	☼	08/20/15 09:00	08/26/15 18:03	1
p-Isopropyltoluene	<1.9		6.1	1.9	ug/Kg	☼	08/20/15 09:00	08/26/15 18:03	1
sec-Butylbenzene	<2.0		6.1	2.0	ug/Kg	☼	08/20/15 09:00	08/26/15 18:03	1
Styrene	<1.4		6.1	1.4	ug/Kg	☼	08/20/15 09:00	08/26/15 18:03	1
tert-Butylbenzene	<1.6		6.1	1.6	ug/Kg	☼	08/20/15 09:00	08/26/15 18:03	1
1,1,1,2-Tetrachloroethane	<1.4		6.1	1.4	ug/Kg	☼	08/20/15 09:00	08/26/15 18:03	1
1,1,2,2-Tetrachloroethane	<0.97		6.1	0.97	ug/Kg	☼	08/20/15 09:00	08/26/15 18:03	1
Tetrachloroethene	<1.3		6.1	1.3	ug/Kg	☼	08/20/15 09:00	08/26/15 18:03	1
Toluene	<2.1		6.1	2.1	ug/Kg	☼	08/20/15 09:00	08/26/15 18:03	1
trans-1,2-Dichloroethene	<1.5		6.1	1.5	ug/Kg	☼	08/20/15 09:00	08/26/15 18:03	1
trans-1,3-Dichloropropene	<1.7		6.1	1.7	ug/Kg	☼	08/20/15 09:00	08/26/15 18:03	1

Client Sample ID: Top Flange Crust 78+10/7'
Date Collected: 08/19/15 13:10
Date Received: 08/20/15 08:15

Lab Sample ID: 500-100137-7
Matrix: Solid
Percent Solids: 83.6

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<2.6		6.1	2.6	ug/Kg	☼	08/20/15 09:00	08/26/15 18:03	1
1,2,4-Trichlorobenzene	<2.5		6.1	2.5	ug/Kg	☼	08/20/15 09:00	08/26/15 18:03	1
1,1,1-Trichloroethane	<1.4		6.1	1.4	ug/Kg	☼	08/20/15 09:00	08/26/15 18:03	1
1,1,2-Trichloroethane	<1.2		6.1	1.2	ug/Kg	☼	08/20/15 09:00	08/26/15 18:03	1
Trichloroethene	<1.7		6.1	1.7	ug/Kg	☼	08/20/15 09:00	08/26/15 18:03	1
Trichlorofluoromethane	<1.4		6.1	1.4	ug/Kg	☼	08/20/15 09:00	08/26/15 18:03	1
1,2,3-Trichloropropane	<2.1		6.1	2.1	ug/Kg	☼	08/20/15 09:00	08/26/15 18:03	1
1,2,4-Trimethylbenzene	<1.6		6.1	1.6	ug/Kg	☼	08/20/15 09:00	08/26/15 18:03	1
1,3,5-Trimethylbenzene	<1.7		6.1	1.7	ug/Kg	☼	08/20/15 09:00	08/26/15 18:03	1
Vinyl chloride	<1.5		6.1	1.5	ug/Kg	☼	08/20/15 09:00	08/26/15 18:03	1
Xylenes, Total	<2.3		12	2.3	ug/Kg	☼	08/20/15 09:00	08/26/15 18:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*70 - 122*	*08/20/15 09:00*	*08/26/15 18:03*	*1*
Dibromofluoromethane	*94*		*75 - 120*	*08/20/15 09:00*	*08/26/15 18:03*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*70 - 134*	*08/20/15 09:00*	*08/26/15 18:03*	*1*
Toluene-d8 (Surr)	*94*		*75 - 122*	*08/20/15 09:00*	*08/26/15 18:03*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<420		2000	420	ug/Kg	☼	08/24/15 16:40	08/27/15 14:04	10
1,2-Dichlorobenzene	<470		2000	470	ug/Kg	☼	08/24/15 16:40	08/27/15 14:04	10
1,3-Dichlorobenzene	<440		2000	440	ug/Kg	☼	08/24/15 16:40	08/27/15 14:04	10
1,4-Dichlorobenzene	<500		2000	500	ug/Kg	☼	08/24/15 16:40	08/27/15 14:04	10
1-Methylnaphthalene	<96		390	96	ug/Kg	☼	08/24/15 16:40	08/27/15 14:04	10
2,2'-oxybis[1-chloropropane]	<450		2000	450	ug/Kg	☼	08/24/15 16:40	08/27/15 14:04	10
2,4,5-Trichlorophenol	<890		3900	890	ug/Kg	☼	08/24/15 16:40	08/27/15 14:04	10
2,4,6-Trichlorophenol	<1300		3900	1300	ug/Kg	☼	08/24/15 16:40	08/27/15 14:04	10
2,4-Dichlorophenol	<930		3900	930	ug/Kg	☼	08/24/15 16:40	08/27/15 14:04	10
2,4-Dimethylphenol	<1500		3900	1500	ug/Kg	☼	08/24/15 16:40	08/27/15 14:04	10
2,4-Dinitrophenol	<6900	*	7900	6900	ug/Kg	☼	08/24/15 16:40	08/27/15 14:04	10
2,4-Dinitrotoluene	<620		2000	620	ug/Kg	☼	08/24/15 16:40	08/27/15 14:04	10
2,6-Dinitrotoluene	<770		2000	770	ug/Kg	☼	08/24/15 16:40	08/27/15 14:04	10
2-Chloronaphthalene	<430		2000	430	ug/Kg	☼	08/24/15 16:40	08/27/15 14:04	10
2-Chlorophenol	<670		2000	670	ug/Kg	☼	08/24/15 16:40	08/27/15 14:04	10
2-Methylnaphthalene	<72		390	72	ug/Kg	☼	08/24/15 16:40	08/27/15 14:04	10
2-Methylphenol	<630		2000	630	ug/Kg	☼	08/24/15 16:40	08/27/15 14:04	10
2-Nitroaniline	<530		2000	530	ug/Kg	☼	08/24/15 16:40	08/27/15 14:04	10
2-Nitrophenol	<920		3900	920	ug/Kg	☼	08/24/15 16:40	08/27/15 14:04	10
3 & 4 Methylphenol	<650		2000	650	ug/Kg	☼	08/24/15 16:40	08/27/15 14:04	10
3,3'-Dichlorobenzidine	<550		2000	550	ug/Kg	☼	08/24/15 16:40	08/27/15 14:04	10
3-Nitroaniline	<1200		3900	1200	ug/Kg	☼	08/24/15 16:40	08/27/15 14:04	10
4,6-Dinitro-2-methylphenol	<3100	*	3900	3100	ug/Kg	☼	08/24/15 16:40	08/27/15 14:04	10
4-Bromophenyl phenyl ether	<520		2000	520	ug/Kg	☼	08/24/15 16:40	08/27/15 14:04	10
4-Chloro-3-methylphenol	<1300		3900	1300	ug/Kg	☼	08/24/15 16:40	08/27/15 14:04	10
4-Chloroaniline	<1800		7900	1800	ug/Kg	☼	08/24/15 16:40	08/27/15 14:04	10
4-Chlorophenyl phenyl ether	<460		2000	460	ug/Kg	☼	08/24/15 16:40	08/27/15 14:04	10
4-Nitroaniline	<1600		3900	1600	ug/Kg	☼	08/24/15 16:40	08/27/15 14:04	10
4-Nitrophenol	<3700		7900	3700	ug/Kg	☼	08/24/15 16:40	08/27/15 14:04	10
Acenaphthene	<70		390	70	ug/Kg	☼	08/24/15 16:40	08/27/15 14:04	10

Client: SCS Engineers
Project/Site: James Park - 25214107

TestAmerica Job ID: 500-100137-1

Client Sample ID: Top Flange Crust 78+10/7'
Date Collected: 08/19/15 13:10
Date Received: 08/20/15 08:15

Lab Sample ID: 500-100137-7
Matrix: Solid
Percent Solids: 83.6

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	<52		390	52	ug/Kg	☼	08/24/15 16:40	08/27/15 14:04	10
Anthracene	**330**	**J**	390	65	ug/Kg	☼	08/24/15 16:40	08/27/15 14:04	10
Benzo[a]anthracene	**600**		390	53	ug/Kg	☼	08/24/15 16:40	08/27/15 14:04	10
Benzo[a]pyrene	**910**		390	76	ug/Kg	☼	08/24/15 16:40	08/27/15 14:04	10
Benzo[b]fluoranthene	**1100**		390	84	ug/Kg	☼	08/24/15 16:40	08/27/15 14:04	10
Benzo[g,h,i]perylene	**850**		390	130	ug/Kg	☼	08/24/15 16:40	08/27/15 14:04	10
Benzo[k]fluoranthene	**190**	**J**	390	120	ug/Kg	☼	08/24/15 16:40	08/27/15 14:04	10
Benzoic acid	<3900	*	20000	3900	ug/Kg	☼	08/24/15 16:40	08/27/15 14:04	10
Benzyl alcohol	<1200		3900	1200	ug/Kg	☼	08/24/15 16:40	08/27/15 14:04	10
Bis(2-chloroethoxy)methane	<400		2000	400	ug/Kg	☼	08/24/15 16:40	08/27/15 14:04	10
Bis(2-chloroethyl)ether	<590		2000	590	ug/Kg	☼	08/24/15 16:40	08/27/15 14:04	10
Bis(2-ethylhexyl) phthalate	**740**	**J**	2000	710	ug/Kg	☼	08/24/15 16:40	08/27/15 14:04	10
Butyl benzyl phthalate	<740		2000	740	ug/Kg	☼	08/24/15 16:40	08/27/15 14:04	10
Carbazole	<980		2000	980	ug/Kg	☼	08/24/15 16:40	08/27/15 14:04	10
Chrysene	**1000**		390	110	ug/Kg	☼	08/24/15 16:40	08/27/15 14:04	10
Dibenz(a,h)anthracene	<76		390	76	ug/Kg	☼	08/24/15 16:40	08/27/15 14:04	10
Dibenzofuran	<460		2000	460	ug/Kg	☼	08/24/15 16:40	08/27/15 14:04	10
Diethyl phthalate	<660		2000	660	ug/Kg	☼	08/24/15 16:40	08/27/15 14:04	10
Dimethyl phthalate	<510		2000	510	ug/Kg	☼	08/24/15 16:40	08/27/15 14:04	10
Di-n-butyl phthalate	<600		2000	600	ug/Kg	☼	08/24/15 16:40	08/27/15 14:04	10
Di-n-octyl phthalate	<640		2000	640	ug/Kg	☼	08/24/15 16:40	08/27/15 14:04	10
Fluoranthene	**1100**		390	73	ug/Kg	☼	08/24/15 16:40	08/27/15 14:04	10
Fluorene	<55		390	55	ug/Kg	☼	08/24/15 16:40	08/27/15 14:04	10
Hexachlorobenzene	<91		790	91	ug/Kg	☼	08/24/15 16:40	08/27/15 14:04	10
Hexachlorobutadiene	<610		2000	610	ug/Kg	☼	08/24/15 16:40	08/27/15 14:04	10
Hexachlorocyclopentadiene	<2200		7900	2200	ug/Kg	☼	08/24/15 16:40	08/27/15 14:04	10
Hexachloroethane	<590		2000	590	ug/Kg	☼	08/24/15 16:40	08/27/15 14:04	10
Indeno[1,2,3-cd]pyrene	<100		390	100	ug/Kg	☼	08/24/15 16:40	08/27/15 14:04	10
Isophorone	<440		2000	440	ug/Kg	☼	08/24/15 16:40	08/27/15 14:04	10
Naphthalene	<60		390	60	ug/Kg	☼	08/24/15 16:40	08/27/15 14:04	10
Nitrobenzene	<98		390	98	ug/Kg	☼	08/24/15 16:40	08/27/15 14:04	10
N-Nitrosodi-n-propylamine	<480		2000	480	ug/Kg	☼	08/24/15 16:40	08/27/15 14:04	10
N-Nitrosodiphenylamine	<460		2000	460	ug/Kg	☼	08/24/15 16:40	08/27/15 14:04	10
Pentachlorophenol	<6300		7900	6300	ug/Kg	☼	08/24/15 16:40	08/27/15 14:04	10
Phenanthrene	**800**		390	55	ug/Kg	☼	08/24/15 16:40	08/27/15 14:04	10
Phenol	<870		2000	870	ug/Kg	☼	08/24/15 16:40	08/27/15 14:04	10
Pyrene	**1300**		390	78	ug/Kg	☼	08/24/15 16:40	08/27/15 14:04	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*122*		*35 - 137*	*08/24/15 16:40*	*08/27/15 14:04*	*10*
2-Fluorobiphenyl	*66*		*25 - 119*	*08/24/15 16:40*	*08/27/15 14:04*	*10*
2-Fluorophenol (Surr)	*84*		*25 - 110*	*08/24/15 16:40*	*08/27/15 14:04*	*10*
Nitrobenzene-d5 (Surr)	*94*		*25 - 115*	*08/24/15 16:40*	*08/27/15 14:04*	*10*
Phenol-d5 (Surr)	*76*		*31 - 110*	*08/24/15 16:40*	*08/27/15 14:04*	*10*
Terphenyl-d14 (Surr)	*110*		*36 - 134*	*08/24/15 16:40*	*08/27/15 14:04*	*10*

Client: SCS Engineers
Project/Site: James Park - 25214107

TestAmerica Job ID: 500-100137-1

Client Sample ID: Bottom Flange Crust 78+10/7'
Date Collected: 08/19/15 13:10
Date Received: 08/20/15 08:15

Lab Sample ID: 500-100137-8
Matrix: Solid
Percent Solids: 70.0

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.2		5.4	1.2	ug/Kg	☼	08/20/15 09:00	08/26/15 18:27	1
Bromobenzene	<1.2		5.4	1.2	ug/Kg	☼	08/20/15 09:00	08/26/15 18:27	1
Bromochloromethane	<1.0		5.4	1.0	ug/Kg	☼	08/20/15 09:00	08/26/15 18:27	1
Bromodichloromethane	<0.91		5.4	0.91	ug/Kg	☼	08/20/15 09:00	08/26/15 18:27	1
Bromoform	<1.1		5.4	1.1	ug/Kg	☼	08/20/15 09:00	08/26/15 18:27	1
Bromomethane	<2.0	*	5.4	2.0	ug/Kg	☼	08/20/15 09:00	08/26/15 18:27	1
Carbon tetrachloride	<1.2		5.4	1.2	ug/Kg	☼	08/20/15 09:00	08/26/15 18:27	1
Chlorobenzene	<1.3		5.4	1.3	ug/Kg	☼	08/20/15 09:00	08/26/15 18:27	1
Chloroethane	<2.3		5.4	2.3	ug/Kg	☼	08/20/15 09:00	08/26/15 18:27	1
Chloroform	<1.1		5.4	1.1	ug/Kg	☼	08/20/15 09:00	08/26/15 18:27	1
Chloromethane	<1.3		5.4	1.3	ug/Kg	☼	08/20/15 09:00	08/26/15 18:27	1
2-Chlorotoluene	<1.2		5.4	1.2	ug/Kg	☼	08/20/15 09:00	08/26/15 18:27	1
4-Chlorotoluene	<1.4		5.4	1.4	ug/Kg	☼	08/20/15 09:00	08/26/15 18:27	1
cis-1,2-Dichloroethene	<1.1		5.4	1.1	ug/Kg	☼	08/20/15 09:00	08/26/15 18:27	1
cis-1,3-Dichloropropene	<1.2		5.4	1.2	ug/Kg	☼	08/20/15 09:00	08/26/15 18:27	1
Dibromochloromethane	<0.62		5.4	0.62	ug/Kg	☼	08/20/15 09:00	08/26/15 18:27	1
1,2-Dibromo-3-Chloropropane	<2.3		5.4	2.3	ug/Kg	☼	08/20/15 09:00	08/26/15 18:27	1
1,2-Dibromoethane	<1.4		5.4	1.4	ug/Kg	☼	08/20/15 09:00	08/26/15 18:27	1
Dibromomethane	<1.5		5.4	1.5	ug/Kg	☼	08/20/15 09:00	08/26/15 18:27	1
1,2-Dichlorobenzene	<1.2		5.4	1.2	ug/Kg	☼	08/20/15 09:00	08/26/15 18:27	1
1,3-Dichlorobenzene	<1.6		5.4	1.6	ug/Kg	☼	08/20/15 09:00	08/26/15 18:27	1
1,4-Dichlorobenzene	<1.2		5.4	1.2	ug/Kg	☼	08/20/15 09:00	08/26/15 18:27	1
Dichlorodifluoromethane	<1.8		5.4	1.8	ug/Kg	☼	08/20/15 09:00	08/26/15 18:27	1
1,1-Dichloroethane	<1.1		5.4	1.1	ug/Kg	☼	08/20/15 09:00	08/26/15 18:27	1
1,2-Dichloroethane	<0.80		5.4	0.80	ug/Kg	☼	08/20/15 09:00	08/26/15 18:27	1
1,1-Dichloroethene	<2.0		5.4	2.0	ug/Kg	☼	08/20/15 09:00	08/26/15 18:27	1
1,2-Dichloropropane	<1.4		5.4	1.4	ug/Kg	☼	08/20/15 09:00	08/26/15 18:27	1
1,3-Dichloropropane	<1.0		5.4	1.0	ug/Kg	☼	08/20/15 09:00	08/26/15 18:27	1
2,2-Dichloropropane	<11		22	11	ug/Kg	☼	08/20/15 09:00	08/26/15 18:27	1
1,1-Dichloropropene	<1.7		5.4	1.7	ug/Kg	☼	08/20/15 09:00	08/26/15 18:27	1
Ethylbenzene	<1.3		5.4	1.3	ug/Kg	☼	08/20/15 09:00	08/26/15 18:27	1
Hexachlorobutadiene	<1.7		5.4	1.7	ug/Kg	☼	08/20/15 09:00	08/26/15 18:27	1
Isopropylbenzene	<1.5		5.4	1.5	ug/Kg	☼	08/20/15 09:00	08/26/15 18:27	1
Isopropyl ether	<1.1		5.4	1.1	ug/Kg	☼	08/20/15 09:00	08/26/15 18:27	1
Methylene Chloride	<4.1		5.4	4.1	ug/Kg	☼	08/20/15 09:00	08/26/15 18:27	1
Methyl tert-butyl ether	<1.3		5.4	1.3	ug/Kg	☼	08/20/15 09:00	08/26/15 18:27	1
Naphthalene	<2.4		5.4	2.4	ug/Kg	☼	08/20/15 09:00	08/26/15 18:27	1
n-Butylbenzene	<1.8		5.4	1.8	ug/Kg	☼	08/20/15 09:00	08/26/15 18:27	1
N-Propylbenzene	<1.6		5.4	1.6	ug/Kg	☼	08/20/15 09:00	08/26/15 18:27	1
p-Isopropyltoluene	<1.6		5.4	1.6	ug/Kg	☼	08/20/15 09:00	08/26/15 18:27	1
sec-Butylbenzene	<1.7		5.4	1.7	ug/Kg	☼	08/20/15 09:00	08/26/15 18:27	1
Styrene	<1.3		5.4	1.3	ug/Kg	☼	08/20/15 09:00	08/26/15 18:27	1
tert-Butylbenzene	<1.4		5.4	1.4	ug/Kg	☼	08/20/15 09:00	08/26/15 18:27	1
1,1,1,2-Tetrachloroethane	<1.3		5.4	1.3	ug/Kg	☼	08/20/15 09:00	08/26/15 18:27	1
1,1,2,2-Tetrachloroethane	<0.86		5.4	0.86	ug/Kg	☼	08/20/15 09:00	08/26/15 18:27	1
Tetrachloroethene	<1.1		5.4	1.1	ug/Kg	☼	08/20/15 09:00	08/26/15 18:27	1
Toluene	<1.9		5.4	1.9	ug/Kg	☼	08/20/15 09:00	08/26/15 18:27	1
trans-1,2-Dichloroethene	<1.3		5.4	1.3	ug/Kg	☼	08/20/15 09:00	08/26/15 18:27	1
trans-1,3-Dichloropropene	<1.5		5.4	1.5	ug/Kg	☼	08/20/15 09:00	08/26/15 18:27	1

Client Sample ID: Bottom Flange Crust 78+10/7'
Date Collected: 08/19/15 13:10
Date Received: 08/20/15 08:15

Lab Sample ID: 500-100137-8
Matrix: Solid
Percent Solids: 70.0

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<2.3		5.4	2.3	ug/Kg	☼	08/20/15 09:00	08/26/15 18:27	1
1,2,4-Trichlorobenzene	<2.2		5.4	2.2	ug/Kg	☼	08/20/15 09:00	08/26/15 18:27	1
1,1,1-Trichloroethane	<1.3		5.4	1.3	ug/Kg	☼	08/20/15 09:00	08/26/15 18:27	1
1,1,2-Trichloroethane	<1.0		5.4	1.0	ug/Kg	☼	08/20/15 09:00	08/26/15 18:27	1
Trichloroethene	<1.5		5.4	1.5	ug/Kg	☼	08/20/15 09:00	08/26/15 18:27	1
Trichlorofluoromethane	<1.3		5.4	1.3	ug/Kg	☼	08/20/15 09:00	08/26/15 18:27	1
1,2,3-Trichloropropane	<1.8		5.4	1.8	ug/Kg	☼	08/20/15 09:00	08/26/15 18:27	1
1,2,4-Trimethylbenzene	<1.4		5.4	1.4	ug/Kg	☼	08/20/15 09:00	08/26/15 18:27	1
1,3,5-Trimethylbenzene	<1.5		5.4	1.5	ug/Kg	☼	08/20/15 09:00	08/26/15 18:27	1
Vinyl chloride	<1.3		5.4	1.3	ug/Kg	☼	08/20/15 09:00	08/26/15 18:27	1
Xylenes, Total	<2.0		11	2.0	ug/Kg	☼	08/20/15 09:00	08/26/15 18:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*70 - 122*	*08/20/15 09:00*	*08/26/15 18:27*	*1*
Dibromofluoromethane	*95*		*75 - 120*	*08/20/15 09:00*	*08/26/15 18:27*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*70 - 134*	*08/20/15 09:00*	*08/26/15 18:27*	*1*
Toluene-d8 (Surr)	*94*		*75 - 122*	*08/20/15 09:00*	*08/26/15 18:27*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<500		2300	500	ug/Kg	☼	08/24/15 16:40	08/27/15 14:30	10
1,2-Dichlorobenzene	<560		2300	560	ug/Kg	☼	08/24/15 16:40	08/27/15 14:30	10
1,3-Dichlorobenzene	<530		2300	530	ug/Kg	☼	08/24/15 16:40	08/27/15 14:30	10
1,4-Dichlorobenzene	<600		2300	600	ug/Kg	☼	08/24/15 16:40	08/27/15 14:30	10
1-Methylnaphthalene	<110		460	110	ug/Kg	☼	08/24/15 16:40	08/27/15 14:30	10
2,2'-oxybis[1-chloropropane]	<540		2300	540	ug/Kg	☼	08/24/15 16:40	08/27/15 14:30	10
2,4,5-Trichlorophenol	<1100		4600	1100	ug/Kg	☼	08/24/15 16:40	08/27/15 14:30	10
2,4,6-Trichlorophenol	<1600		4600	1600	ug/Kg	☼	08/24/15 16:40	08/27/15 14:30	10
2,4-Dichlorophenol	<1100		4600	1100	ug/Kg	☼	08/24/15 16:40	08/27/15 14:30	10
2,4-Dimethylphenol	<1800		4600	1800	ug/Kg	☼	08/24/15 16:40	08/27/15 14:30	10
2,4-Dinitrophenol	<8200	*	9400	8200	ug/Kg	☼	08/24/15 16:40	08/27/15 14:30	10
2,4-Dinitrotoluene	<740		2300	740	ug/Kg	☼	08/24/15 16:40	08/27/15 14:30	10
2,6-Dinitrotoluene	<920		2300	920	ug/Kg	☼	08/24/15 16:40	08/27/15 14:30	10
2-Chloronaphthalene	<520		2300	520	ug/Kg	☼	08/24/15 16:40	08/27/15 14:30	10
2-Chlorophenol	<800		2300	800	ug/Kg	☼	08/24/15 16:40	08/27/15 14:30	10
2-Methylnaphthalene	**300**	**J**	460	86	ug/Kg	☼	08/24/15 16:40	08/27/15 14:30	10
2-Methylphenol	<750		2300	750	ug/Kg	☼	08/24/15 16:40	08/27/15 14:30	10
2-Nitroaniline	<630		2300	630	ug/Kg	☼	08/24/15 16:40	08/27/15 14:30	10
2-Nitrophenol	<1100		4600	1100	ug/Kg	☼	08/24/15 16:40	08/27/15 14:30	10
3 & 4 Methylphenol	<780		2300	780	ug/Kg	☼	08/24/15 16:40	08/27/15 14:30	10
3,3'-Dichlorobenzidine	<650		2300	650	ug/Kg	☼	08/24/15 16:40	08/27/15 14:30	10
3-Nitroaniline	<1400		4600	1400	ug/Kg	☼	08/24/15 16:40	08/27/15 14:30	10
4,6-Dinitro-2-methylphenol	<3800	*	4600	3800	ug/Kg	☼	08/24/15 16:40	08/27/15 14:30	10
4-Bromophenyl phenyl ether	<620		2300	620	ug/Kg	☼	08/24/15 16:40	08/27/15 14:30	10
4-Chloro-3-methylphenol	<1600		4600	1600	ug/Kg	☼	08/24/15 16:40	08/27/15 14:30	10
4-Chloroaniline	<2200		9400	2200	ug/Kg	☼	08/24/15 16:40	08/27/15 14:30	10
4-Chlorophenyl phenyl ether	<550		2300	550	ug/Kg	☼	08/24/15 16:40	08/27/15 14:30	10
4-Nitroaniline	<2000		4600	2000	ug/Kg	☼	08/24/15 16:40	08/27/15 14:30	10
4-Nitrophenol	<4400		9400	4400	ug/Kg	☼	08/24/15 16:40	08/27/15 14:30	10
Acenaphthene	<84		460	84	ug/Kg	☼	08/24/15 16:40	08/27/15 14:30	10

Client Sample ID: Bottom Flange Crust 78+10/7'
Date Collected: 08/19/15 13:10
Date Received: 08/20/15 08:15

Lab Sample ID: 500-100137-8
Matrix: Solid
Percent Solids: 70.0

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	<62		460	62	ug/Kg	☼	08/24/15 16:40	08/27/15 14:30	10
Anthracene	**510**		460	78	ug/Kg	☼	08/24/15 16:40	08/27/15 14:30	10
Benzo[a]anthracene	**1300**		460	63	ug/Kg	☼	08/24/15 16:40	08/27/15 14:30	10
Benzo[a]pyrene	**1600**		460	90	ug/Kg	☼	08/24/15 16:40	08/27/15 14:30	10
Benzo[b]fluoranthene	**2000**		460	100	ug/Kg	☼	08/24/15 16:40	08/27/15 14:30	10
Benzo[g,h,i]perylene	**1800**		460	150	ug/Kg	☼	08/24/15 16:40	08/27/15 14:30	10
Benzo[k]fluoranthene	**760**		460	140	ug/Kg	☼	08/24/15 16:40	08/27/15 14:30	10
Benzoic acid	<4600	*	23000	4600	ug/Kg	☼	08/24/15 16:40	08/27/15 14:30	10
Benzyl alcohol	<1400		4600	1400	ug/Kg	☼	08/24/15 16:40	08/27/15 14:30	10
Bis(2-chloroethoxy)methane	<480		2300	480	ug/Kg	☼	08/24/15 16:40	08/27/15 14:30	10
Bis(2-chloroethyl)ether	<700		2300	700	ug/Kg	☼	08/24/15 16:40	08/27/15 14:30	10
Bis(2-ethylhexyl) phthalate	<850		2300	850	ug/Kg	☼	08/24/15 16:40	08/27/15 14:30	10
Butyl benzyl phthalate	<890		2300	890	ug/Kg	☼	08/24/15 16:40	08/27/15 14:30	10
Carbazole	<1200		2300	1200	ug/Kg	☼	08/24/15 16:40	08/27/15 14:30	10
Chrysene	**1400**		460	130	ug/Kg	☼	08/24/15 16:40	08/27/15 14:30	10
Dibenz(a,h)anthracene	<90		460	90	ug/Kg	☼	08/24/15 16:40	08/27/15 14:30	10
Dibenzofuran	<550		2300	550	ug/Kg	☼	08/24/15 16:40	08/27/15 14:30	10
Diethyl phthalate	<790		2300	790	ug/Kg	☼	08/24/15 16:40	08/27/15 14:30	10
Dimethyl phthalate	<610		2300	610	ug/Kg	☼	08/24/15 16:40	08/27/15 14:30	10
Di-n-butyl phthalate	<710		2300	710	ug/Kg	☼	08/24/15 16:40	08/27/15 14:30	10
Di-n-octyl phthalate	<760		2300	760	ug/Kg	☼	08/24/15 16:40	08/27/15 14:30	10
Fluoranthene	**2100**		460	87	ug/Kg	☼	08/24/15 16:40	08/27/15 14:30	10
Fluorene	<66		460	66	ug/Kg	☼	08/24/15 16:40	08/27/15 14:30	10
Hexachlorobenzene	<110		940	110	ug/Kg	☼	08/24/15 16:40	08/27/15 14:30	10
Hexachlorobutadiene	<730		2300	730	ug/Kg	☼	08/24/15 16:40	08/27/15 14:30	10
Hexachlorocyclopentadiene	<2700		9400	2700	ug/Kg	☼	08/24/15 16:40	08/27/15 14:30	10
Hexachloroethane	<710		2300	710	ug/Kg	☼	08/24/15 16:40	08/27/15 14:30	10
Indeno[1,2,3-cd]pyrene	**1400**		460	120	ug/Kg	☼	08/24/15 16:40	08/27/15 14:30	10
Isophorone	<520		2300	520	ug/Kg	☼	08/24/15 16:40	08/27/15 14:30	10
Naphthalene	**450**	**J**	460	72	ug/Kg	☼	08/24/15 16:40	08/27/15 14:30	10
Nitrobenzene	<120		460	120	ug/Kg	☼	08/24/15 16:40	08/27/15 14:30	10
N-Nitrosodi-n-propylamine	<570		2300	570	ug/Kg	☼	08/24/15 16:40	08/27/15 14:30	10
N-Nitrosodiphenylamine	<550		2300	550	ug/Kg	☼	08/24/15 16:40	08/27/15 14:30	10
Pentachlorophenol	<7500		9400	7500	ug/Kg	☼	08/24/15 16:40	08/27/15 14:30	10
Phenanthrene	**1300**		460	65	ug/Kg	☼	08/24/15 16:40	08/27/15 14:30	10
Phenol	<1000		2300	1000	ug/Kg	☼	08/24/15 16:40	08/27/15 14:30	10
Pyrene	**2900**		460	93	ug/Kg	☼	08/24/15 16:40	08/27/15 14:30	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*83*		*35 - 137*	*08/24/15 16:40*	*08/27/15 14:30*	*10*
2-Fluorobiphenyl	*86*		*25 - 119*	*08/24/15 16:40*	*08/27/15 14:30*	*10*
2-Fluorophenol (Surr)	*85*		*25 - 110*	*08/24/15 16:40*	*08/27/15 14:30*	*10*
Nitrobenzene-d5 (Surr)	*93*		*25 - 115*	*08/24/15 16:40*	*08/27/15 14:30*	*10*
Phenol-d5 (Surr)	*69*		*31 - 110*	*08/24/15 16:40*	*08/27/15 14:30*	*10*
Terphenyl-d14 (Surr)	*138*	*X*	*36 - 134*	*08/24/15 16:40*	*08/27/15 14:30*	*10*

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
X	Surrogate is outside control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

GC/MS VOA

Prep Batch: 301026

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-100137-1	78+19/5'	Total/NA	Solid	5035	
500-100137-2	78+10/7'	Total/NA	Solid	5035	
500-100137-4	Interior Pipe Crust 78+10/7'	Total/NA	Solid	5035	
500-100137-5	Exterior Pipe Crust A 78+10/7'	Total/NA	Solid	5035	
500-100137-6	Valve Crust 78+10/7'	Total/NA	Solid	5035	
500-100137-7	Top Flange Crust 78+10/7'	Total/NA	Solid	5035	
500-100137-8	Bottom Flange Crust 78+10/7'	Total/NA	Solid	5035	

Prep Batch: 301273

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-100137-3	Exterior Pipe Crust 78+10/7'	Total/NA	Solid	5030B	

Analysis Batch: 301716

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-100137-3	Exterior Pipe Crust 78+10/7'	Total/NA	Solid	8260B	301273
LCS 500-301716/4	Lab Control Sample	Total/NA	Solid	8260B	
MB 500-301716/6	Method Blank	Total/NA	Solid	8260B	

Analysis Batch: 301727

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-100137-1	78+19/5'	Total/NA	Solid	8260B	301026
500-100137-2	78+10/7'	Total/NA	Solid	8260B	301026
500-100137-4	Interior Pipe Crust 78+10/7'	Total/NA	Solid	8260B	301026
500-100137-5	Exterior Pipe Crust A 78+10/7'	Total/NA	Solid	8260B	301026
500-100137-6	Valve Crust 78+10/7'	Total/NA	Solid	8260B	301026
500-100137-7	Top Flange Crust 78+10/7'	Total/NA	Solid	8260B	301026
500-100137-8	Bottom Flange Crust 78+10/7'	Total/NA	Solid	8260B	301026
LCS 500-301727/4	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 500-301727/5	Lab Control Sample Dup	Total/NA	Solid	8260B	
MB 500-301727/6	Method Blank	Total/NA	Solid	8260B	

GC/MS Semi VOA

Prep Batch: 301433

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-100137-1	78+19/5'	Total/NA	Solid	3541	
500-100137-2	78+10/7'	Total/NA	Solid	3541	
500-100137-3	Exterior Pipe Crust 78+10/7'	Total/NA	Solid	3541	
500-100137-4	Interior Pipe Crust 78+10/7'	Total/NA	Solid	3541	
500-100137-5	Exterior Pipe Crust A 78+10/7'	Total/NA	Solid	3541	
500-100137-6	Valve Crust 78+10/7'	Total/NA	Solid	3541	
500-100137-7	Top Flange Crust 78+10/7'	Total/NA	Solid	3541	
500-100137-8	Bottom Flange Crust 78+10/7'	Total/NA	Solid	3541	
LCS 500-301433/2-A	Lab Control Sample	Total/NA	Solid	3541	
MB 500-301433/1-A	Method Blank	Total/NA	Solid	3541	

Analysis Batch: 301886

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-100137-1	78+19/5'	Total/NA	Solid	8270D	301433
500-100137-2	78+10/7'	Total/NA	Solid	8270D	301433

GC/MS Semi VOA (Continued)

Analysis Batch: 301886 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-100137-3	Exterior Pipe Crust 78+10/7'	Total/NA	Solid	8270D	301433
500-100137-4	Interior Pipe Crust 78+10/7'	Total/NA	Solid	8270D	301433
500-100137-5	Exterior Pipe Crust A 78+10/7'	Total/NA	Solid	8270D	301433
500-100137-6	Valve Crust 78+10/7'	Total/NA	Solid	8270D	301433
LCS 500-301433/2-A	Lab Control Sample	Total/NA	Solid	8270D	301433
MB 500-301433/1-A	Method Blank	Total/NA	Solid	8270D	301433

Analysis Batch: 301941

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-100137-7	Top Flange Crust 78+10/7'	Total/NA	Solid	8270D	301433
500-100137-8	Bottom Flange Crust 78+10/7'	Total/NA	Solid	8270D	301433

General Chemistry

Analysis Batch: 301080

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-100137-1	78+19/5'	Total/NA	Solid	Moisture	
500-100137-2	78+10/7'	Total/NA	Solid	Moisture	
500-100137-3	Exterior Pipe Crust 78+10/7'	Total/NA	Solid	Moisture	
500-100137-4	Interior Pipe Crust 78+10/7'	Total/NA	Solid	Moisture	
500-100137-5	Exterior Pipe Crust A 78+10/7'	Total/NA	Solid	Moisture	
500-100137-6	Valve Crust 78+10/7'	Total/NA	Solid	Moisture	
500-100137-7	Top Flange Crust 78+10/7'	Total/NA	Solid	Moisture	
500-100137-8	Bottom Flange Crust 78+10/7'	Total/NA	Solid	Moisture	

Surrogate Summary

Client: SCS Engineers
Project/Site: James Park - 25214107

TestAmerica Job ID: 500-100137-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		BFB	DBFM	12DCE	TOL
Lab Sample ID	Client Sample ID	(70-122)	(75-120)	(70-134)	(75-122)
500-100137-1	78+19/5'	94	94	98	92
500-100137-2	78+10/7'	91	93	91	93
500-100137-4	Interior Pipe Crust 78+10/7'	91	94	89	91
500-100137-5	Exterior Pipe Crust A 78+10/7'	90	91	89	93
500-100137-6	Valve Crust 78+10/7'	88	92	92	92
500-100137-7	Top Flange Crust 78+10/7'	88	94	93	94
500-100137-8	Bottom Flange Crust 78+10/7'	84	95	97	94
LCS 500-301727/4	Lab Control Sample	94	93	94	94
LCSD 500-301727/5	Lab Control Sample Dup	92	91	92	94
MB 500-301727/6	Method Blank	90	95	94	94

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane
12DCE = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		12DCE	TOL	BFB	DBFM
Lab Sample ID	Client Sample ID	(75-125)	(75-120)	(75-120)	(75-120)
500-100137-3	Exterior Pipe Crust 78+10/7'	97	91	104	91
LCS 500-301716/4	Lab Control Sample	92	98	101	87
MB 500-301716/6	Method Blank	100	93	108	91

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL	TPH
Lab Sample ID	Client Sample ID	(35-137)	(25-119)	(25-110)	(25-115)	(31-110)	(36-134)
500-100137-1	78+19/5'	96	96	85	77	77	113
500-100137-2	78+10/7'	89	98	77	69	72	110
500-100137-3	Exterior Pipe Crust 78+10/7'	72	84	69	60	59	105
500-100137-4	Interior Pipe Crust 78+10/7'	65	79	73	66	63	98
500-100137-5	Exterior Pipe Crust A 78+10/7'	77	112	92	87	81	134
500-100137-6	Valve Crust 78+10/7'	78	95	83	79	69	111
500-100137-7	Top Flange Crust 78+10/7'	122	66	84	94	76	110
500-100137-8	Bottom Flange Crust 78+10/7'	83	86	85	93	69	138 X
LCS 500-301433/2-A	Lab Control Sample	77	90	92	86	90	95
MB 500-301433/1-A	Method Blank	33 X	88	88	76	84	95

Surrogate Summary

Client: SCS Engineers
Project/Site: James Park - 25214107

TestAmerica Job ID: 500-100137-1

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPH = Terphenyl-d14 (Surr)

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 500-301716/6
Matrix: Solid
Analysis Batch: 301716

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.074		0.25	0.074	ug/Kg			08/26/15 11:07	1
Bromobenzene	<0.43		2.0	0.43	ug/Kg			08/26/15 11:07	1
Bromochloromethane	<0.38		2.0	0.38	ug/Kg			08/26/15 11:07	1
Bromodichloromethane	<0.34		2.0	0.34	ug/Kg			08/26/15 11:07	1
Bromoform	<0.44		2.0	0.44	ug/Kg			08/26/15 11:07	1
Bromomethane	<0.68		2.0	0.68	ug/Kg			08/26/15 11:07	1
Carbon tetrachloride	<0.26		1.0	0.26	ug/Kg			08/26/15 11:07	1
Chlorobenzene	<0.14		1.0	0.14	ug/Kg			08/26/15 11:07	1
Chloroethane	<0.44		2.0	0.44	ug/Kg			08/26/15 11:07	1
Chloroform	<0.21		1.0	0.21	ug/Kg			08/26/15 11:07	1
Chloromethane	<0.46		2.0	0.46	ug/Kg			08/26/15 11:07	1
2-Chlorotoluene	<0.21		1.0	0.21	ug/Kg			08/26/15 11:07	1
4-Chlorotoluene	<0.20		1.0	0.20	ug/Kg			08/26/15 11:07	1
cis-1,2-Dichloroethene	<0.12		1.0	0.12	ug/Kg			08/26/15 11:07	1
cis-1,3-Dichloropropene	<0.18		1.0	0.18	ug/Kg			08/26/15 11:07	1
Dibromochloromethane	<0.35		2.0	0.35	ug/Kg			08/26/15 11:07	1
1,2-Dibromo-3-Chloropropane	<0.87		2.0	0.87	ug/Kg			08/26/15 11:07	1
1,2-Dibromoethane	<0.31		2.0	0.31	ug/Kg			08/26/15 11:07	1
Dibromomethane	<0.48		2.0	0.48	ug/Kg			08/26/15 11:07	1
1,2-Dichlorobenzene	<0.21		2.0	0.21	ug/Kg			08/26/15 11:07	1
1,3-Dichlorobenzene	<0.26		2.0	0.26	ug/Kg			08/26/15 11:07	1
1,4-Dichlorobenzene	<0.17		2.0	0.17	ug/Kg			08/26/15 11:07	1
Dichlorodifluoromethane	<0.51		2.0	0.51	ug/Kg			08/26/15 11:07	1
1,1-Dichloroethane	<0.19		1.0	0.19	ug/Kg			08/26/15 11:07	1
1,2-Dichloroethane	<0.29		1.0	0.29	ug/Kg			08/26/15 11:07	1
1,1-Dichloroethene	<0.31		1.0	0.31	ug/Kg			08/26/15 11:07	1
1,2-Dichloropropane	<0.20		1.0	0.20	ug/Kg			08/26/15 11:07	1
1,3-Dichloropropane	<0.13		1.0	0.13	ug/Kg			08/26/15 11:07	1
2,2-Dichloropropane	<0.32		1.0	0.32	ug/Kg			08/26/15 11:07	1
1,1-Dichloropropene	<0.34		1.0	0.34	ug/Kg			08/26/15 11:07	1
Ethylbenzene	<0.13		0.25	0.13	ug/Kg			08/26/15 11:07	1
Hexachlorobutadiene	<0.35		2.0	0.35	ug/Kg			08/26/15 11:07	1
Isopropylbenzene	<0.25		2.0	0.25	ug/Kg			08/26/15 11:07	1
Isopropyl ether	<0.15		2.0	0.15	ug/Kg			08/26/15 11:07	1
Methylene Chloride	<0.68		5.0	0.68	ug/Kg			08/26/15 11:07	1
Methyl tert-butyl ether	<0.43		2.0	0.43	ug/Kg			08/26/15 11:07	1
Naphthalene	<0.49		2.0	0.49	ug/Kg			08/26/15 11:07	1
n-Butylbenzene	<0.13		1.0	0.13	ug/Kg			08/26/15 11:07	1
N-Propylbenzene	<0.18		2.0	0.18	ug/Kg			08/26/15 11:07	1
p-Isopropyltoluene	<0.19		2.0	0.19	ug/Kg			08/26/15 11:07	1
sec-Butylbenzene	<0.15		1.0	0.15	ug/Kg			08/26/15 11:07	1
Styrene	<0.099		1.0	0.099	ug/Kg			08/26/15 11:07	1
tert-Butylbenzene	<0.14		1.0	0.14	ug/Kg			08/26/15 11:07	1
1,1,1,2-Tetrachloroethane	<0.35		2.0	0.35	ug/Kg			08/26/15 11:07	1
1,1,2,2-Tetrachloroethane	<0.23		1.0	0.23	ug/Kg			08/26/15 11:07	1
Tetrachloroethene	<0.17		1.0	0.17	ug/Kg			08/26/15 11:07	1
Toluene	<0.12		0.25	0.12	ug/Kg			08/26/15 11:07	1
trans-1,2-Dichloroethene	<0.25		1.0	0.25	ug/Kg			08/26/15 11:07	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-301716/6
Matrix: Solid
Analysis Batch: 301716

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	<0.21		1.0	0.21	ug/Kg			08/26/15 11:07	1
1,2,3-Trichlorobenzene	<0.35		2.0	0.35	ug/Kg			08/26/15 11:07	1
1,2,4-Trichlorobenzene	<0.38		2.0	0.38	ug/Kg			08/26/15 11:07	1
1,1,1-Trichloroethane	<0.20		1.0	0.20	ug/Kg			08/26/15 11:07	1
1,1,2-Trichloroethane	<0.28		1.0	0.28	ug/Kg			08/26/15 11:07	1
Trichloroethene	<0.19		0.50	0.19	ug/Kg			08/26/15 11:07	1
Trichlorofluoromethane	<0.42		2.0	0.42	ug/Kg			08/26/15 11:07	1
1,2,3-Trichloropropane	<0.57		2.0	0.57	ug/Kg			08/26/15 11:07	1
1,2,4-Trimethylbenzene	<0.21		2.0	0.21	ug/Kg			08/26/15 11:07	1
1,3,5-Trimethylbenzene	<0.21		2.0	0.21	ug/Kg			08/26/15 11:07	1
Vinyl chloride	<0.10		0.25	0.10	ug/Kg			08/26/15 11:07	1
Xylenes, Total	<0.068		0.50	0.068	ug/Kg			08/26/15 11:07	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*75 - 120*		*08/26/15 11:07*	*1*
Dibromofluoromethane	*91*		*75 - 120*		*08/26/15 11:07*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*75 - 125*		*08/26/15 11:07*	*1*
Toluene-d8 (Surr)	*93*		*75 - 120*		*08/26/15 11:07*	*1*

Lab Sample ID: LCS 500-301716/4
Matrix: Solid
Analysis Batch: 301716

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	50.0	45.8		ug/Kg		92	70 - 120
Bromobenzene	50.0	49.8		ug/Kg		100	70 - 129
Bromochloromethane	50.0	43.8		ug/Kg		88	70 - 121
Bromodichloromethane	50.0	47.5		ug/Kg		95	70 - 127
Bromoform	50.0	49.5		ug/Kg		99	70 - 135
Bromomethane	50.0	39.2		ug/Kg		78	30 - 170
Carbon tetrachloride	50.0	45.9		ug/Kg		92	70 - 136
Chlorobenzene	50.0	49.9		ug/Kg		100	70 - 120
Chloroethane	50.0	47.4		ug/Kg		95	40 - 150
Chloroform	50.0	46.0		ug/Kg		92	70 - 120
Chloromethane	50.0	45.1		ug/Kg		90	45 - 140
2-Chlorotoluene	50.0	53.7		ug/Kg		107	70 - 128
4-Chlorotoluene	50.0	54.1		ug/Kg		108	70 - 127
cis-1,2-Dichloroethene	50.0	46.6		ug/Kg		93	70 - 120
cis-1,3-Dichloropropene	50.0	52.1		ug/Kg		104	70 - 122
Dibromochloromethane	50.0	49.8		ug/Kg		100	70 - 120
1,2-Dibromo-3-Chloropropane	50.0	48.5		ug/Kg		97	59 - 139
1,2-Dibromoethane	50.0	50.3		ug/Kg		101	70 - 124
Dibromomethane	50.0	45.0		ug/Kg		90	70 - 120
1,2-Dichlorobenzene	50.0	48.2		ug/Kg		96	70 - 123
1,3-Dichlorobenzene	50.0	49.5		ug/Kg		99	70 - 122
1,4-Dichlorobenzene	50.0	48.8		ug/Kg		98	70 - 120
Dichlorodifluoromethane	50.0	37.1		ug/Kg		74	30 - 150
1,1-Dichloroethane	50.0	48.9		ug/Kg		98	70 - 127

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-301716/4
Matrix: Solid
Analysis Batch: 301716

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dichloroethane	50.0	48.0		ug/Kg		96	66 - 132
1,1-Dichloroethene	50.0	44.6		ug/Kg		89	68 - 121
1,2-Dichloropropane	50.0	51.3		ug/Kg		103	70 - 127
1,3-Dichloropropane	50.0	49.2		ug/Kg		98	70 - 127
2,2-Dichloropropane	50.0	48.1		ug/Kg		96	68 - 120
1,1-Dichloropropene	50.0	49.4		ug/Kg		99	70 - 126
Ethylbenzene	50.0	51.6		ug/Kg		103	70 - 125
Hexachlorobutadiene	50.0	48.2		ug/Kg		96	70 - 138
Isopropylbenzene	50.0	53.2		ug/Kg		106	70 - 132
Methylene Chloride	50.0	41.5		ug/Kg		83	70 - 120
Methyl tert-butyl ether	50.0	42.6		ug/Kg		85	65 - 120
Naphthalene	50.0	42.2		ug/Kg		84	59 - 143
n-Butylbenzene	50.0	55.3		ug/Kg		111	70 - 129
N-Propylbenzene	50.0	54.5		ug/Kg		109	70 - 132
p-Isopropyltoluene	50.0	52.9		ug/Kg		106	70 - 133
sec-Butylbenzene	50.0	53.5		ug/Kg		107	70 - 134
Styrene	50.0	51.3		ug/Kg		103	70 - 120
tert-Butylbenzene	50.0	52.7		ug/Kg		105	70 - 137
1,1,1,2-Tetrachloroethane	50.0	47.8		ug/Kg		96	70 - 124
1,1,2,2-Tetrachloroethane	50.0	53.2		ug/Kg		106	68 - 133
Tetrachloroethene	50.0	50.4		ug/Kg		101	70 - 129
Toluene	50.0	51.6		ug/Kg		103	70 - 120
trans-1,2-Dichloroethene	50.0	44.6		ug/Kg		89	70 - 120
trans-1,3-Dichloropropene	50.0	52.6		ug/Kg		105	70 - 123
1,2,3-Trichlorobenzene	50.0	46.5		ug/Kg		93	70 - 133
1,2,4-Trichlorobenzene	50.0	45.7		ug/Kg		91	70 - 125
1,1,1-Trichloroethane	50.0	46.1		ug/Kg		92	70 - 125
1,1,2-Trichloroethane	50.0	50.1		ug/Kg		100	70 - 125
Trichloroethene	50.0	49.0		ug/Kg		98	70 - 122
Trichlorofluoromethane	50.0	51.7		ug/Kg		103	65 - 134
1,2,3-Trichloropropane	50.0	52.5		ug/Kg		105	53 - 139
1,2,4-Trimethylbenzene	50.0	52.8		ug/Kg		106	70 - 127
1,3,5-Trimethylbenzene	50.0	52.9		ug/Kg		106	70 - 129
Vinyl chloride	50.0	44.1		ug/Kg		88	63 - 127
Xylenes, Total	100	104		ug/Kg		104	70 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*75 - 120*
Dibromofluoromethane	*87*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*92*		*75 - 125*
Toluene-d8 (Surr)	*98*		*75 - 120*

Lab Sample ID: MB 500-301727/6
Matrix: Solid
Analysis Batch: 301727

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.1		5.0	1.1	ug/Kg			08/26/15 13:59	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-301727/6
Matrix: Solid
Analysis Batch: 301727

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromobenzene	<1.1		5.0	1.1	ug/Kg			08/26/15 13:59	1
Bromochloromethane	<0.97		5.0	0.97	ug/Kg			08/26/15 13:59	1
Bromodichloromethane	<0.84		5.0	0.84	ug/Kg			08/26/15 13:59	1
Bromoform	<1.0		5.0	1.0	ug/Kg			08/26/15 13:59	1
Bromomethane	<1.8		5.0	1.8	ug/Kg			08/26/15 13:59	1
Carbon tetrachloride	<1.1		5.0	1.1	ug/Kg			08/26/15 13:59	1
Chlorobenzene	<1.2		5.0	1.2	ug/Kg			08/26/15 13:59	1
Chloroethane	<2.1		5.0	2.1	ug/Kg			08/26/15 13:59	1
Chloroform	<0.98		5.0	0.98	ug/Kg			08/26/15 13:59	1
Chloromethane	<1.2		5.0	1.2	ug/Kg			08/26/15 13:59	1
2-Chlorotoluene	<1.2		5.0	1.2	ug/Kg			08/26/15 13:59	1
4-Chlorotoluene	<1.3		5.0	1.3	ug/Kg			08/26/15 13:59	1
cis-1,2-Dichloroethene	<1.0		5.0	1.0	ug/Kg			08/26/15 13:59	1
cis-1,3-Dichloropropene	<1.1		5.0	1.1	ug/Kg			08/26/15 13:59	1
Dibromochloromethane	<0.58		5.0	0.58	ug/Kg			08/26/15 13:59	1
1,2-Dibromo-3-Chloropropane	<2.1		5.0	2.1	ug/Kg			08/26/15 13:59	1
1,2-Dibromoethane	<1.3		5.0	1.3	ug/Kg			08/26/15 13:59	1
Dibromomethane	<1.4		5.0	1.4	ug/Kg			08/26/15 13:59	1
1,2-Dichlorobenzene	<1.2		5.0	1.2	ug/Kg			08/26/15 13:59	1
1,3-Dichlorobenzene	<1.5		5.0	1.5	ug/Kg			08/26/15 13:59	1
1,4-Dichlorobenzene	<1.1		5.0	1.1	ug/Kg			08/26/15 13:59	1
Dichlorodifluoromethane	<1.6		5.0	1.6	ug/Kg			08/26/15 13:59	1
1,1-Dichloroethane	<1.0		5.0	1.0	ug/Kg			08/26/15 13:59	1
1,2-Dichloroethane	<0.74		5.0	0.74	ug/Kg			08/26/15 13:59	1
1,1-Dichloroethene	<1.8		5.0	1.8	ug/Kg			08/26/15 13:59	1
1,2-Dichloropropane	<1.3		5.0	1.3	ug/Kg			08/26/15 13:59	1
1,3-Dichloropropane	<0.96		5.0	0.96	ug/Kg			08/26/15 13:59	1
2,2-Dichloropropane	<10		20	10	ug/Kg			08/26/15 13:59	1
1,1-Dichloropropene	<1.6		5.0	1.6	ug/Kg			08/26/15 13:59	1
Ethylbenzene	<1.2		5.0	1.2	ug/Kg			08/26/15 13:59	1
Hexachlorobutadiene	<1.6		5.0	1.6	ug/Kg			08/26/15 13:59	1
Isopropylbenzene	<1.4		5.0	1.4	ug/Kg			08/26/15 13:59	1
Isopropyl ether	<1.1		5.0	1.1	ug/Kg			08/26/15 13:59	1
Methylene Chloride	<3.8		5.0	3.8	ug/Kg			08/26/15 13:59	1
Methyl tert-butyl ether	<1.2		5.0	1.2	ug/Kg			08/26/15 13:59	1
Naphthalene	<2.2		5.0	2.2	ug/Kg			08/26/15 13:59	1
n-Butylbenzene	<1.7		5.0	1.7	ug/Kg			08/26/15 13:59	1
N-Propylbenzene	<1.5		5.0	1.5	ug/Kg			08/26/15 13:59	1
p-Isopropyltoluene	<1.5		5.0	1.5	ug/Kg			08/26/15 13:59	1
sec-Butylbenzene	<1.6		5.0	1.6	ug/Kg			08/26/15 13:59	1
Styrene	<1.2		5.0	1.2	ug/Kg			08/26/15 13:59	1
tert-Butylbenzene	<1.3		5.0	1.3	ug/Kg			08/26/15 13:59	1
1,1,1,2-Tetrachloroethane	<1.2		5.0	1.2	ug/Kg			08/26/15 13:59	1
1,1,2,2-Tetrachloroethane	<0.79		5.0	0.79	ug/Kg			08/26/15 13:59	1
Tetrachloroethene	<1.0		5.0	1.0	ug/Kg			08/26/15 13:59	1
Toluene	<1.7		5.0	1.7	ug/Kg			08/26/15 13:59	1
trans-1,2-Dichloroethene	<1.3		5.0	1.3	ug/Kg			08/26/15 13:59	1
trans-1,3-Dichloropropene	<1.4		5.0	1.4	ug/Kg			08/26/15 13:59	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-301727/6
Matrix: Solid
Analysis Batch: 301727

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<2.2		5.0	2.2	ug/Kg			08/26/15 13:59	1
1,2,4-Trichlorobenzene	<2.0		5.0	2.0	ug/Kg			08/26/15 13:59	1
1,1,1-Trichloroethane	<1.2		5.0	1.2	ug/Kg			08/26/15 13:59	1
1,1,2-Trichloroethane	<0.97		5.0	0.97	ug/Kg			08/26/15 13:59	1
Trichloroethene	<1.4		5.0	1.4	ug/Kg			08/26/15 13:59	1
Trichlorofluoromethane	<1.2		5.0	1.2	ug/Kg			08/26/15 13:59	1
1,2,3-Trichloropropane	<1.7		5.0	1.7	ug/Kg			08/26/15 13:59	1
1,2,4-Trimethylbenzene	<1.3		5.0	1.3	ug/Kg			08/26/15 13:59	1
1,3,5-Trimethylbenzene	<1.4		5.0	1.4	ug/Kg			08/26/15 13:59	1
Vinyl chloride	<1.2		5.0	1.2	ug/Kg			08/26/15 13:59	1
Xylenes, Total	<1.9		10	1.9	ug/Kg			08/26/15 13:59	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*70 - 122*		*08/26/15 13:59*	*1*
Dibromofluoromethane	*95*		*75 - 120*		*08/26/15 13:59*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*70 - 134*		*08/26/15 13:59*	*1*
Toluene-d8 (Surr)	*94*		*75 - 122*		*08/26/15 13:59*	*1*

Lab Sample ID: LCS 500-301727/4
Matrix: Solid
Analysis Batch: 301727

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	50.0	47.2		ug/Kg		94	70 - 120
Bromobenzene	50.0	49.5		ug/Kg		99	70 - 121
Bromochloromethane	50.0	49.3		ug/Kg		99	70 - 120
Bromodichloromethane	50.0	50.2		ug/Kg		100	69 - 120
Bromoform	50.0	52.7		ug/Kg		105	51 - 127
Bromomethane	50.0	57.8		ug/Kg		116	69 - 120
Carbon tetrachloride	50.0	52.1		ug/Kg		104	51 - 124
Chlorobenzene	50.0	49.6		ug/Kg		99	70 - 120
Chloroethane	50.0	57.6		ug/Kg		115	49 - 125
Chloroform	50.0	49.2		ug/Kg		98	70 - 120
Chloromethane	50.0	55.8		ug/Kg		112	63 - 126
2-Chlorotoluene	50.0	48.2		ug/Kg		96	70 - 122
4-Chlorotoluene	50.0	48.9		ug/Kg		98	70 - 121
cis-1,2-Dichloroethene	50.0	47.0		ug/Kg		94	70 - 120
cis-1,3-Dichloropropene	50.0	47.5		ug/Kg		95	70 - 120
Dibromochloromethane	50.0	51.0		ug/Kg		102	69 - 126
1,2-Dibromo-3-Chloropropane	50.0	52.6		ug/Kg		105	59 - 150
1,2-Dibromoethane	50.0	47.7		ug/Kg		95	70 - 120
Dibromomethane	50.0	47.6		ug/Kg		95	70 - 120
1,2-Dichlorobenzene	50.0	50.9		ug/Kg		102	70 - 125
1,3-Dichlorobenzene	50.0	50.3		ug/Kg		101	70 - 123
1,4-Dichlorobenzene	50.0	50.6		ug/Kg		101	70 - 123
Dichlorodifluoromethane	50.0	50.6		ug/Kg		101	42 - 150
1,1-Dichloroethane	50.0	49.6		ug/Kg		99	70 - 120
1,2-Dichloroethane	50.0	51.3		ug/Kg		103	70 - 128

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-301727/4
Matrix: Solid
Analysis Batch: 301727

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	50.0	45.3		ug/Kg		91	67 - 120
1,2-Dichloropropane	50.0	49.2		ug/Kg		98	70 - 120
1,3-Dichloropropane	50.0	47.3		ug/Kg		95	70 - 120
2,2-Dichloropropane	50.0	49.4		ug/Kg		99	41 - 120
1,1-Dichloropropene	50.0	48.5		ug/Kg		97	70 - 120
Ethylbenzene	50.0	49.6		ug/Kg		99	70 - 120
Hexachlorobutadiene	50.0	54.4		ug/Kg		109	70 - 133
Isopropylbenzene	50.0	49.1		ug/Kg		98	70 - 125
Methylene Chloride	50.0	46.3		ug/Kg		93	70 - 120
Methyl tert-butyl ether	50.0	47.3		ug/Kg		95	70 - 120
Naphthalene	50.0	56.7		ug/Kg		113	70 - 126
n-Butylbenzene	50.0	50.5		ug/Kg		101	70 - 120
N-Propylbenzene	50.0	49.3		ug/Kg		99	70 - 123
p-Isopropyltoluene	50.0	52.1		ug/Kg		104	70 - 121
sec-Butylbenzene	50.0	50.5		ug/Kg		101	70 - 123
Styrene	50.0	51.0		ug/Kg		102	70 - 120
tert-Butylbenzene	50.0	45.8		ug/Kg		92	70 - 121
1,1,1,2-Tetrachloroethane	50.0	52.0		ug/Kg		104	70 - 120
1,1,2,2-Tetrachloroethane	50.0	43.9		ug/Kg		88	70 - 133
Tetrachloroethene	50.0	50.2		ug/Kg		100	70 - 120
Toluene	50.0	47.9		ug/Kg		96	70 - 120
trans-1,2-Dichloroethene	50.0	46.9		ug/Kg		94	70 - 120
trans-1,3-Dichloropropene	50.0	48.7		ug/Kg		97	68 - 121
1,2,3-Trichlorobenzene	50.0	62.1		ug/Kg		124	70 - 131
1,2,4-Trichlorobenzene	50.0	55.3		ug/Kg		111	70 - 128
1,1,1-Trichloroethane	50.0	51.4		ug/Kg		103	70 - 120
1,1,2-Trichloroethane	50.0	46.2		ug/Kg		92	70 - 120
Trichloroethene	50.0	50.0		ug/Kg		100	70 - 120
Trichlorofluoromethane	50.0	59.7		ug/Kg		119	70 - 122
1,2,3-Trichloropropane	50.0	46.9		ug/Kg		94	70 - 129
1,2,4-Trimethylbenzene	50.0	50.1		ug/Kg		100	70 - 123
1,3,5-Trimethylbenzene	50.0	49.9		ug/Kg		100	70 - 122
Vinyl chloride	50.0	55.5		ug/Kg		111	69 - 120
Xylenes, Total	100	103		ug/Kg		103	70 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*94*		*70 - 122*
Dibromofluoromethane	*93*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*94*		*70 - 134*
Toluene-d8 (Surr)	*94*		*75 - 122*

Lab Sample ID: LCSD 500-301727/5
Matrix: Solid
Analysis Batch: 301727

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	50.0	47.2		ug/Kg		94	70 - 120	0	30
Bromobenzene	50.0	48.3		ug/Kg		97	70 - 121	2	30

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 500-301727/5
Matrix: Solid
Analysis Batch: 301727

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Bromochloromethane	50.0	48.3		ug/Kg		97	70 - 120	2	30
Bromodichloromethane	50.0	49.6		ug/Kg		99	69 - 120	1	30
Bromoform	50.0	49.4		ug/Kg		99	51 - 127	7	30
Bromomethane	50.0	60.7	*	ug/Kg		121	69 - 120	5	30
Carbon tetrachloride	50.0	50.3		ug/Kg		101	51 - 124	3	30
Chlorobenzene	50.0	49.4		ug/Kg		99	70 - 120	0	30
Chloroethane	50.0	49.1		ug/Kg		98	49 - 125	16	30
Chloroform	50.0	49.3		ug/Kg		99	70 - 120	0	30
Chloromethane	50.0	50.5		ug/Kg		101	63 - 126	10	30
2-Chlorotoluene	50.0	47.0		ug/Kg		94	70 - 122	3	30
4-Chlorotoluene	50.0	48.3		ug/Kg		97	70 - 121	1	30
cis-1,2-Dichloroethene	50.0	48.3		ug/Kg		97	70 - 120	3	30
cis-1,3-Dichloropropene	50.0	46.1		ug/Kg		92	70 - 120	3	30
Dibromochloromethane	50.0	49.3		ug/Kg		99	69 - 126	3	30
1,2-Dibromo-3-Chloropropane	50.0	49.2		ug/Kg		98	59 - 150	7	30
1,2-Dibromoethane	50.0	46.6		ug/Kg		93	70 - 120	2	30
Dibromomethane	50.0	48.3		ug/Kg		97	70 - 120	1	30
1,2-Dichlorobenzene	50.0	48.8		ug/Kg		98	70 - 125	4	30
1,3-Dichlorobenzene	50.0	48.9		ug/Kg		98	70 - 123	3	30
1,4-Dichlorobenzene	50.0	48.4		ug/Kg		97	70 - 123	4	30
Dichlorodifluoromethane	50.0	44.2		ug/Kg		88	42 - 150	14	30
1,1-Dichloroethane	50.0	48.9		ug/Kg		98	70 - 120	1	30
1,2-Dichloroethane	50.0	51.0		ug/Kg		102	70 - 128	1	30
1,1-Dichloroethene	50.0	46.2		ug/Kg		92	67 - 120	2	30
1,2-Dichloropropane	50.0	48.1		ug/Kg		96	70 - 120	2	30
1,3-Dichloropropane	50.0	46.8		ug/Kg		94	70 - 120	1	30
2,2-Dichloropropane	50.0	50.1		ug/Kg		100	41 - 120	1	30
1,1-Dichloropropene	50.0	47.6		ug/Kg		95	70 - 120	2	30
Ethylbenzene	50.0	50.2		ug/Kg		100	70 - 120	1	30
Hexachlorobutadiene	50.0	51.5		ug/Kg		103	70 - 133	5	30
Isopropylbenzene	50.0	48.2		ug/Kg		96	70 - 125	2	30
Methylene Chloride	50.0	46.5		ug/Kg		93	70 - 120	0	30
Methyl tert-butyl ether	50.0	48.4		ug/Kg		97	70 - 120	2	30
Naphthalene	50.0	53.7		ug/Kg		107	70 - 126	5	30
n-Butylbenzene	50.0	48.0		ug/Kg		96	70 - 120	5	30
N-Propylbenzene	50.0	48.4		ug/Kg		97	70 - 123	2	30
p-Isopropyltoluene	50.0	49.8		ug/Kg		100	70 - 121	4	30
sec-Butylbenzene	50.0	49.1		ug/Kg		98	70 - 123	3	30
Styrene	50.0	49.6		ug/Kg		99	70 - 120	3	30
tert-Butylbenzene	50.0	45.1		ug/Kg		90	70 - 121	2	30
1,1,1,2-Tetrachloroethane	50.0	50.9		ug/Kg		102	70 - 120	2	30
1,1,2,2-Tetrachloroethane	50.0	43.5		ug/Kg		87	70 - 133	1	30
Tetrachloroethene	50.0	49.2		ug/Kg		98	70 - 120	2	30
Toluene	50.0	47.5		ug/Kg		95	70 - 120	1	30
trans-1,2-Dichloroethene	50.0	48.4		ug/Kg		97	70 - 120	3	30
trans-1,3-Dichloropropene	50.0	47.4		ug/Kg		95	68 - 121	3	30
1,2,3-Trichlorobenzene	50.0	58.3		ug/Kg		117	70 - 131	6	30
1,2,4-Trichlorobenzene	50.0	52.4		ug/Kg		105	70 - 128	5	30

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 500-301727/5
Matrix: Solid
Analysis Batch: 301727

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane			50.0	51.2		ug/Kg		102	70 - 120	0	30
1,1,2-Trichloroethane			50.0	46.4		ug/Kg		93	70 - 120	0	30
Trichloroethene			50.0	49.0		ug/Kg		98	70 - 120	2	30
Trichlorofluoromethane			50.0	53.5		ug/Kg		107	70 - 122	11	30
1,2,3-Trichloropropane			50.0	47.2		ug/Kg		94	70 - 129	1	30
1,2,4-Trimethylbenzene			50.0	49.2		ug/Kg		98	70 - 123	2	30
1,3,5-Trimethylbenzene			50.0	48.9		ug/Kg		98	70 - 122	2	30
Vinyl chloride			50.0	49.3		ug/Kg		99	69 - 120	12	30
Xylenes, Total			100	102		ug/Kg		102	70 - 120	2	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*92*		*70 - 122*
Dibromofluoromethane	*91*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*92*		*70 - 134*
Toluene-d8 (Surr)	*94*		*75 - 122*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 500-301433/1-A
Matrix: Solid
Analysis Batch: 301886

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 301433

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<36		170	36	ug/Kg		08/24/15 16:40	08/27/15 10:06	1
1,2-Dichlorobenzene	<40		170	40	ug/Kg		08/24/15 16:40	08/27/15 10:06	1
1,3-Dichlorobenzene	<37		170	37	ug/Kg		08/24/15 16:40	08/27/15 10:06	1
1,4-Dichlorobenzene	<43		170	43	ug/Kg		08/24/15 16:40	08/27/15 10:06	1
1-Methylnaphthalene	<8.1		33	8.1	ug/Kg		08/24/15 16:40	08/27/15 10:06	1
2,2'-oxybis[1-chloropropane]	<39		170	39	ug/Kg		08/24/15 16:40	08/27/15 10:06	1
2,4,5-Trichlorophenol	<76		330	76	ug/Kg		08/24/15 16:40	08/27/15 10:06	1
2,4,6-Trichlorophenol	<110		330	110	ug/Kg		08/24/15 16:40	08/27/15 10:06	1
2,4-Dichlorophenol	<79		330	79	ug/Kg		08/24/15 16:40	08/27/15 10:06	1
2,4-Dimethylphenol	<130		330	130	ug/Kg		08/24/15 16:40	08/27/15 10:06	1
2,4-Dinitrophenol	<590		670	590	ug/Kg		08/24/15 16:40	08/27/15 10:06	1
2,4-Dinitrotoluene	<53		170	53	ug/Kg		08/24/15 16:40	08/27/15 10:06	1
2,6-Dinitrotoluene	<65		170	65	ug/Kg		08/24/15 16:40	08/27/15 10:06	1
2-Chloronaphthalene	<37		170	37	ug/Kg		08/24/15 16:40	08/27/15 10:06	1
2-Chlorophenol	<57		170	57	ug/Kg		08/24/15 16:40	08/27/15 10:06	1
2-Methylnaphthalene	<6.1		33	6.1	ug/Kg		08/24/15 16:40	08/27/15 10:06	1
2-Methylphenol	<53		170	53	ug/Kg		08/24/15 16:40	08/27/15 10:06	1
2-Nitroaniline	<45		170	45	ug/Kg		08/24/15 16:40	08/27/15 10:06	1
2-Nitrophenol	<79		330	79	ug/Kg		08/24/15 16:40	08/27/15 10:06	1
3 & 4 Methylphenol	<55		170	55	ug/Kg		08/24/15 16:40	08/27/15 10:06	1
3,3'-Dichlorobenzidine	<47		170	47	ug/Kg		08/24/15 16:40	08/27/15 10:06	1
3-Nitroaniline	<100		330	100	ug/Kg		08/24/15 16:40	08/27/15 10:06	1
4,6-Dinitro-2-methylphenol	<270		330	270	ug/Kg		08/24/15 16:40	08/27/15 10:06	1
4-Bromophenyl phenyl ether	<44		170	44	ug/Kg		08/24/15 16:40	08/27/15 10:06	1
4-Chloro-3-methylphenol	<110		330	110	ug/Kg		08/24/15 16:40	08/27/15 10:06	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-301433/1-A
Matrix: Solid
Analysis Batch: 301886

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 301433

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chloroaniline	<160		670	160	ug/Kg		08/24/15 16:40	08/27/15 10:06	1
4-Chlorophenyl phenyl ether	<39		170	39	ug/Kg		08/24/15 16:40	08/27/15 10:06	1
4-Nitroaniline	<140		330	140	ug/Kg		08/24/15 16:40	08/27/15 10:06	1
4-Nitrophenol	<320		670	320	ug/Kg		08/24/15 16:40	08/27/15 10:06	1
Acenaphthene	<6.0		33	6.0	ug/Kg		08/24/15 16:40	08/27/15 10:06	1
Acenaphthylene	<4.4		33	4.4	ug/Kg		08/24/15 16:40	08/27/15 10:06	1
Anthracene	<5.6		33	5.6	ug/Kg		08/24/15 16:40	08/27/15 10:06	1
Benzo[a]anthracene	<4.5		33	4.5	ug/Kg		08/24/15 16:40	08/27/15 10:06	1
Benzo[a]pyrene	<6.4		33	6.4	ug/Kg		08/24/15 16:40	08/27/15 10:06	1
Benzo[b]fluoranthene	<7.2		33	7.2	ug/Kg		08/24/15 16:40	08/27/15 10:06	1
Benzo[g,h,i]perylene	<11		33	11	ug/Kg		08/24/15 16:40	08/27/15 10:06	1
Benzo[k]fluoranthene	<9.8		33	9.8	ug/Kg		08/24/15 16:40	08/27/15 10:06	1
Benzoic acid	<330		1700	330	ug/Kg		08/24/15 16:40	08/27/15 10:06	1
Benzyl alcohol	<100		330	100	ug/Kg		08/24/15 16:40	08/27/15 10:06	1
Bis(2-chloroethoxy)methane	<34		170	34	ug/Kg		08/24/15 16:40	08/27/15 10:06	1
Bis(2-chloroethyl)ether	<50		170	50	ug/Kg		08/24/15 16:40	08/27/15 10:06	1
Bis(2-ethylhexyl) phthalate	<61		170	61	ug/Kg		08/24/15 16:40	08/27/15 10:06	1
Butyl benzyl phthalate	<63		170	63	ug/Kg		08/24/15 16:40	08/27/15 10:06	1
Carbazole	<83		170	83	ug/Kg		08/24/15 16:40	08/27/15 10:06	1
Chrysene	<9.1		33	9.1	ug/Kg		08/24/15 16:40	08/27/15 10:06	1
Dibenz(a,h)anthracene	<6.4		33	6.4	ug/Kg		08/24/15 16:40	08/27/15 10:06	1
Dibenzofuran	<39		170	39	ug/Kg		08/24/15 16:40	08/27/15 10:06	1
Diethyl phthalate	<56		170	56	ug/Kg		08/24/15 16:40	08/27/15 10:06	1
Dimethyl phthalate	<43		170	43	ug/Kg		08/24/15 16:40	08/27/15 10:06	1
Di-n-butyl phthalate	<51		170	51	ug/Kg		08/24/15 16:40	08/27/15 10:06	1
Di-n-octyl phthalate	<54		170	54	ug/Kg		08/24/15 16:40	08/27/15 10:06	1
Fluoranthene	<6.2		33	6.2	ug/Kg		08/24/15 16:40	08/27/15 10:06	1
Fluorene	<4.7		33	4.7	ug/Kg		08/24/15 16:40	08/27/15 10:06	1
Hexachlorobenzene	<7.7		67	7.7	ug/Kg		08/24/15 16:40	08/27/15 10:06	1
Hexachlorobutadiene	<52		170	52	ug/Kg		08/24/15 16:40	08/27/15 10:06	1
Hexachlorocyclopentadiene	<190		670	190	ug/Kg		08/24/15 16:40	08/27/15 10:06	1
Hexachloroethane	<51		170	51	ug/Kg		08/24/15 16:40	08/27/15 10:06	1
Indeno[1,2,3-cd]pyrene	<8.6		33	8.6	ug/Kg		08/24/15 16:40	08/27/15 10:06	1
Isophorone	<37		170	37	ug/Kg		08/24/15 16:40	08/27/15 10:06	1
Naphthalene	<5.1		33	5.1	ug/Kg		08/24/15 16:40	08/27/15 10:06	1
Nitrobenzene	<8.3		33	8.3	ug/Kg		08/24/15 16:40	08/27/15 10:06	1
N-Nitrosodi-n-propylamine	<41		170	41	ug/Kg		08/24/15 16:40	08/27/15 10:06	1
N-Nitrosodiphenylamine	<39		170	39	ug/Kg		08/24/15 16:40	08/27/15 10:06	1
Pentachlorophenol	<530		670	530	ug/Kg		08/24/15 16:40	08/27/15 10:06	1
Phenanthrene	<4.6		33	4.6	ug/Kg		08/24/15 16:40	08/27/15 10:06	1
Phenol	<74		170	74	ug/Kg		08/24/15 16:40	08/27/15 10:06	1
Pyrene	<6.6		33	6.6	ug/Kg		08/24/15 16:40	08/27/15 10:06	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*33*	*X*	*35 - 137*	*08/24/15 16:40*	*08/27/15 10:06*	*1*
2-Fluorobiphenyl	*88*		*25 - 119*	*08/24/15 16:40*	*08/27/15 10:06*	*1*
2-Fluorophenol (Surr)	*88*		*25 - 110*	*08/24/15 16:40*	*08/27/15 10:06*	*1*
Nitrobenzene-d5 (Surr)	*76*		*25 - 115*	*08/24/15 16:40*	*08/27/15 10:06*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-301433/1-A
Matrix: Solid
Analysis Batch: 301886

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 301433

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Phenol-d5 (Surr)	84		31 - 110	08/24/15 16:40	08/27/15 10:06	1
Terphenyl-d14 (Surr)	95		36 - 134	08/24/15 16:40	08/27/15 10:06	1

Lab Sample ID: LCS 500-301433/2-A
Matrix: Solid
Analysis Batch: 301886

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 301433

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trichlorobenzene	1330	1160		ug/Kg		87	49 - 110
1,2-Dichlorobenzene	1330	1130		ug/Kg		85	48 - 110
1,3-Dichlorobenzene	1330	1100		ug/Kg		82	44 - 110
1,4-Dichlorobenzene	1330	1130		ug/Kg		84	45 - 110
1-Methylnaphthalene	1330	1100		ug/Kg		82	50 - 110
2,2'-oxybis[1-chloropropane]	1330	1020		ug/Kg		77	30 - 115
2,4,5-Trichlorophenol	1330	1160		ug/Kg		87	41 - 120
2,4,6-Trichlorophenol	1330	1130		ug/Kg		85	44 - 118
2,4-Dichlorophenol	1330	1130		ug/Kg		85	53 - 113
2,4-Dimethylphenol	1330	1120		ug/Kg		84	49 - 110
2,4-Dinitrophenol	2670	<590	*	ug/Kg		1	10 - 110
2,4-Dinitrotoluene	1330	1200		ug/Kg		90	53 - 122
2,6-Dinitrotoluene	1330	1220		ug/Kg		92	54 - 117
2-Chloronaphthalene	1330	1170		ug/Kg		87	52 - 114
2-Chlorophenol	1330	1170		ug/Kg		88	47 - 114
2-Methylnaphthalene	1330	1090		ug/Kg		82	48 - 110
2-Methylphenol	1330	1140		ug/Kg		85	44 - 110
2-Nitroaniline	1330	1170		ug/Kg		88	42 - 122
2-Nitrophenol	1330	1190		ug/Kg		89	48 - 113
3 & 4 Methylphenol	1330	1150		ug/Kg		86	37 - 122
3,3'-Dichlorobenzidine	1330	1080		ug/Kg		81	26 - 128
3-Nitroaniline	1330	1170		ug/Kg		88	36 - 131
4,6-Dinitro-2-methylphenol	2670	<270	*	ug/Kg		5	10 - 110
4-Bromophenyl phenyl ether	1330	1240		ug/Kg		93	55 - 113
4-Chloro-3-methylphenol	1330	1190		ug/Kg		89	52 - 111
4-Chloroaniline	1330	1210		ug/Kg		91	16 - 118
4-Chlorophenyl phenyl ether	1330	1160		ug/Kg		87	53 - 117
4-Nitroaniline	1330	1170		ug/Kg		88	28 - 157
4-Nitrophenol	2670	1920		ug/Kg		72	10 - 157
Acenaphthene	1330	1020		ug/Kg		77	46 - 110
Acenaphthylene	1330	1150		ug/Kg		86	49 - 110
Anthracene	1330	1150		ug/Kg		87	48 - 118
Benzo[a]anthracene	1330	1190		ug/Kg		89	49 - 121
Benzo[a]pyrene	1330	1270		ug/Kg		96	53 - 122
Benzo[b]fluoranthene	1330	1280		ug/Kg		96	54 - 122
Benzo[g,h,i]perylene	1330	1010		ug/Kg		75	52 - 125
Benzo[k]fluoranthene	1330	1320		ug/Kg		99	44 - 137
Benzoic acid	1330	<330	*	ug/Kg		4	10 - 100
Benzyl alcohol	1330	1110		ug/Kg		83	28 - 111
Bis(2-chloroethoxy)methane	1330	1160		ug/Kg		87	42 - 110

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-301433/2-A
Matrix: Solid
Analysis Batch: 301886

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 301433

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bis(2-chloroethyl)ether	1330	1150		ug/Kg		86	32 - 110
Bis(2-ethylhexyl) phthalate	1330	1250		ug/Kg		94	47 - 133
Butyl benzyl phthalate	1330	1220		ug/Kg		92	49 - 121
Carbazole	1330	1250		ug/Kg		94	26 - 188
Chrysene	1330	1250		ug/Kg		94	45 - 118
Dibenz(a,h)anthracene	1330	1080		ug/Kg		81	48 - 134
Dibenzofuran	1330	1140		ug/Kg		86	51 - 119
Diethyl phthalate	1330	1090		ug/Kg		82	50 - 128
Dimethyl phthalate	1330	1160		ug/Kg		87	56 - 113
Di-n-butyl phthalate	1330	1200		ug/Kg		90	50 - 128
Di-n-octyl phthalate	1330	1330		ug/Kg		100	46 - 138
Fluoranthene	1330	1180		ug/Kg		88	48 - 128
Fluorene	1330	1070		ug/Kg		80	47 - 121
Hexachlorobenzene	1330	1210		ug/Kg		90	54 - 114
Hexachlorobutadiene	1330	1150		ug/Kg		86	47 - 114
Hexachlorocyclopentadiene	1330	558	J	ug/Kg		42	10 - 110
Hexachloroethane	1330	1120		ug/Kg		84	44 - 110
Indeno[1,2,3-cd]pyrene	1330	1060		ug/Kg		80	49 - 132
Isophorone	1330	1190		ug/Kg		89	35 - 110
Naphthalene	1330	1110		ug/Kg		83	48 - 110
Nitrobenzene	1330	1140		ug/Kg		85	35 - 113
N-Nitrosodi-n-propylamine	1330	1200		ug/Kg		90	24 - 123
N-Nitrosodiphenylamine	2670	2230		ug/Kg		84	52 - 111
Pentachlorophenol	2670	<530		ug/Kg		16	10 - 124
Phenanthrene	1330	1130		ug/Kg		85	48 - 121
Phenol	1330	1190		ug/Kg		89	41 - 110
Pyrene	1330	1170		ug/Kg		88	46 - 114

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*77*		*35 - 137*
2-Fluorobiphenyl	*90*		*25 - 119*
2-Fluorophenol (Surr)	*92*		*25 - 110*
Nitrobenzene-d5 (Surr)	*86*		*25 - 115*
Phenol-d5 (Surr)	*90*		*31 - 110*
Terphenyl-d14 (Surr)	*95*		*36 - 134*

Lab Chronicle

Client: SCS Engineers
Project/Site: James Park - 25214107

TestAmerica Job ID: 500-100137-1

Client Sample ID: 78+19/5'
Date Collected: 08/18/15 09:50
Date Received: 08/20/15 08:15

Lab Sample ID: 500-100137-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	301080	08/21/15 09:52	LWN	TAL CHI

Client Sample ID: 78+19/5'
Date Collected: 08/18/15 09:50
Date Received: 08/20/15 08:15

Lab Sample ID: 500-100137-1
Matrix: Solid
Percent Solids: 83.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			301026	08/20/15 09:00	WRE	TAL CHI
Total/NA	Analysis	8260B		1	301727	08/26/15 16:02	DJD	TAL CHI
Total/NA	Prep	3541			301433	08/24/15 16:40	JP1	TAL CHI
Total/NA	Analysis	8270D		5	301886	08/27/15 10:31	BJH	TAL CHI

Client Sample ID: 78+10/7'
Date Collected: 08/18/15 09:55
Date Received: 08/20/15 08:15

Lab Sample ID: 500-100137-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	301080	08/21/15 09:52	LWN	TAL CHI

Client Sample ID: 78+10/7'
Date Collected: 08/18/15 09:55
Date Received: 08/20/15 08:15

Lab Sample ID: 500-100137-2
Matrix: Solid
Percent Solids: 82.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			301026	08/20/15 09:00	WRE	TAL CHI
Total/NA	Analysis	8260B		1	301727	08/26/15 16:26	DJD	TAL CHI
Total/NA	Prep	3541			301433	08/24/15 16:40	JP1	TAL CHI
Total/NA	Analysis	8270D		5	301886	08/27/15 10:56	BJH	TAL CHI

Client Sample ID: Exterior Pipe Crust 78+10/7'
Date Collected: 08/19/15 10:05
Date Received: 08/20/15 08:15

Lab Sample ID: 500-100137-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	301080	08/21/15 09:52	LWN	TAL CHI

Client Sample ID: Exterior Pipe Crust 78+10/7'
Date Collected: 08/19/15 10:05
Date Received: 08/20/15 08:15

Lab Sample ID: 500-100137-3
Matrix: Solid
Percent Solids: 86.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			301273	08/23/15 12:06	WRE	TAL CHI

Lab Chronicle

Client: SCS Engineers
Project/Site: James Park - 25214107

TestAmerica Job ID: 500-100137-1

Client Sample ID: Exterior Pipe Crust 78+10/7'

Lab Sample ID: 500-100137-3
Date Collected: 08/19/15 10:05
Matrix: Solid
Date Received: 08/20/15 08:15
Percent Solids: 86.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		50	301716	08/26/15 17:47	SJS	TAL CHI
Total/NA	Prep	3541			301433	08/24/15 16:40	JP1	TAL CHI
Total/NA	Analysis	8270D		5	301886	08/27/15 11:21	BJH	TAL CHI

Client Sample ID: Interior Pipe Crust 78+10/7'

Lab Sample ID: 500-100137-4
Date Collected: 08/19/15 10:50
Matrix: Solid
Date Received: 08/20/15 08:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	301080	08/21/15 09:52	LWN	TAL CHI

Client Sample ID: Interior Pipe Crust 78+10/7'

Lab Sample ID: 500-100137-4
Date Collected: 08/19/15 10:50
Matrix: Solid
Date Received: 08/20/15 08:15
Percent Solids: 68.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			301026	08/20/15 09:00	WRE	TAL CHI
Total/NA	Analysis	8260B		1	301727	08/26/15 16:51	DJD	TAL CHI
Total/NA	Prep	3541			301433	08/24/15 16:40	JP1	TAL CHI
Total/NA	Analysis	8270D		5	301886	08/27/15 11:46	BJH	TAL CHI

Client Sample ID: Exterior Pipe Crust A 78+10/7'

Lab Sample ID: 500-100137-5
Date Collected: 08/19/15 11:20
Matrix: Solid
Date Received: 08/20/15 08:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	301080	08/21/15 09:52	LWN	TAL CHI

Client Sample ID: Exterior Pipe Crust A 78+10/7'

Lab Sample ID: 500-100137-5
Date Collected: 08/19/15 11:20
Matrix: Solid
Date Received: 08/20/15 08:15
Percent Solids: 80.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			301026	08/20/15 09:00	WRE	TAL CHI
Total/NA	Analysis	8260B		1	301727	08/26/15 17:15	DJD	TAL CHI
Total/NA	Prep	3541			301433	08/24/15 16:40	JP1	TAL CHI
Total/NA	Analysis	8270D		10	301886	08/27/15 12:12	BJH	TAL CHI

Lab Chronicle

Client: SCS Engineers
Project/Site: James Park - 25214107

TestAmerica Job ID: 500-100137-1

Client Sample ID: Valve Crust 78+10/7'
Lab Sample ID: 500-100137-6
Date Collected: 08/19/15 11:35
Matrix: Solid
Date Received: 08/20/15 08:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	301080	08/21/15 09:52	LWN	TAL CHI

Client Sample ID: Valve Crust 78+10/7'
Lab Sample ID: 500-100137-6
Date Collected: 08/19/15 11:35
Matrix: Solid
Date Received: 08/20/15 08:15
Percent Solids: 85.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			301026	08/20/15 09:00	WRE	TAL CHI
Total/NA	Analysis	8260B		1	301727	08/26/15 17:39	DJD	TAL CHI
Total/NA	Prep	3541			301433	08/24/15 16:40	JP1	TAL CHI
Total/NA	Analysis	8270D		5	301886	08/27/15 12:37	BJH	TAL CHI

Client Sample ID: Top Flange Crust 78+10/7'
Lab Sample ID: 500-100137-7
Date Collected: 08/19/15 13:10
Matrix: Solid
Date Received: 08/20/15 08:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	301080	08/21/15 09:52	LWN	TAL CHI

Client Sample ID: Top Flange Crust 78+10/7'
Lab Sample ID: 500-100137-7
Date Collected: 08/19/15 13:10
Matrix: Solid
Date Received: 08/20/15 08:15
Percent Solids: 83.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			301026	08/20/15 09:00	WRE	TAL CHI
Total/NA	Analysis	8260B		1	301727	08/26/15 18:03	DJD	TAL CHI
Total/NA	Prep	3541			301433	08/24/15 16:40	JP1	TAL CHI
Total/NA	Analysis	8270D		10	301941	08/27/15 14:04	BJH	TAL CHI

Client Sample ID: Bottom Flange Crust 78+10/7'
Lab Sample ID: 500-100137-8
Date Collected: 08/19/15 13:10
Matrix: Solid
Date Received: 08/20/15 08:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	301080	08/21/15 09:52	LWN	TAL CHI

Client Sample ID: Bottom Flange Crust 78+10/7'
Lab Sample ID: 500-100137-8
Date Collected: 08/19/15 13:10
Matrix: Solid
Date Received: 08/20/15 08:15
Percent Solids: 70.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			301026	08/20/15 09:00	WRE	TAL CHI

Lab Chronicle

Client: SCS Engineers
Project/Site: James Park - 25214107

TestAmerica Job ID: 500-100137-1

Client Sample ID: Bottom Flange Crust 78+10/7'
Date Collected: 08/19/15 13:10
Date Received: 08/20/15 08:15

Lab Sample ID: 500-100137-8
Matrix: Solid
Percent Solids: 70.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	301727	08/26/15 18:27	DJD	TAL CHI
Total/NA	Prep	3541			301433	08/24/15 16:40	JP1	TAL CHI
Total/NA	Analysis	8270D		10	301941	08/27/15 14:30	BJH	TAL CHI

Laboratory References:

TAL CHI = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Certification Summary

Client: SCS Engineers
Project/Site: James Park - 25214107

TestAmerica Job ID: 500-100137-1

Laboratory: TestAmerica Chicago

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
Illinois	NELAP	5	100201	04-30-16

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

TestAmerica

THE LEADER IN ENVIRONMENTA'

2417 Bond Street, University Park, IL 6
Phone: 708.534.5200 Fax: 708.53

500-100137 COC

Chain of Custody Record

Lab Job #: 500-100137

Chain of Custody Number:

Page _____ of _____

Temperature °C of Cooler: 4.6

Report To (optional)		Bill To (optional)	
Contact:	Tony Kallasch	Contact:	
Company:	SCS Engineers	Company:	SCS Engineers
Address:	2830 Dairy Drive	Address:	
Address:	Madison, WI 53718	Address:	
Phone:	608-224-2830	Phone:	
Fax:		Fax:	
E-Mail:		PO#/Reference#	

Client	SCS Engineers	Client Project #	25214107
Project Name	James Park		
Project Location/State	Evanston, IL	Lab Project #	
Sampler	Kyle Kramer	Lab PM	

Preservative Key
1. HCL, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Preservative	Parameter: VOC's	Parameter: SVOC's	Comments
1		78+19'	8/18/15	0950	6	S		X	X	
2		78+10'	8/18/15	0955	6	S		X	X	
3		Exterior Pipe Crust 78+10'	8/19/15	1005	6	crust		X	X	
4		Interior Pipe Crust 78+10'	8/19/15	1050	7	crust		X	X	
5		Exterior Pipe Crust A 78+10'	8/19/15	1120	7	crust		X	X	
6		Valve Crust 78+10'	8/19/15	1135	7	crust		X	X	
		Trip Blank	8/19/15	—	1	—		X	X	
7		Top Flange Crust 78+10'	8/19/15	1310	5	crust		X	X	
8		Bottom Flange Crust 78+10'	8/19/15	1310	6	crust		X	X	

Turnaround Time Required (Business Days)

___ 1 Day ___ 2 Days X 5 Days ___ 7 Days ___ 10 Days ___ 15 Days _____ Other

Requested Due Date _____

Sample Disposal

[ ] Return to Client [ ] Disposal by Lab [ ] Archive for _____ Months (A fee may be assessed if samples are retained longer than 1 month)

	Relinquished By	Company	Date	Time	Received By	Company	Date	Time
1	Kyle Kramer	SCS Engineers	8/19/15	1450	Thurstcott	TA-CHI	8/20/15	0815
2								
3								

Lab Courier: [ ]

Shipped: Fed-X

Hand Delivered: [ ]

Matrix Key

WW – Wastewater	SE – Sediment
W – Water	SO – Soil
S – Soil	L – Leachate
SL – Sludge	WI – Wipe
MS – Miscellaneous	DW – Drinking Water
OL – Oil	O – Other
A – Air	

Client Comments

Lab Comments:

00307

00352

FedEx Express Package US Airbill

FedEx Tracking Number 8055 3915 5290

MUR 1

Form ID No. 0215

1 From

Date 8/12/15

Sender's Name Kyle Kramer Phone

Company SCS Engineers

Address 2830 Dairy Drive

City Madison State WI

500-100137 Waybill

2 Your Internal Billing Reference

3 To

Recipient's Name SAMPLE RECEIPT Phone 708 534-5200

Company TESTAMERICA CHICAGO

Address 2417 BOND ST

We cannot deliver to P.O. boxes or P.O. ZIP codes. Dept./Floor/Suite/Room

Address

Use this line for the HOLD location address or for continuation of your shipping address.

HOLD Weekday FedEx location address REQUIRED. NOT available for FedEx First Overnight.

HOLD Saturday FedEx location address REQUIRED. Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

City UNIVERSITY PARK State IL ZIP 60484-3101

0113670527

8055 3915 5290

4 Express Package Service * To most locations.

NOTE: Service order has changed. Please select carefully.

Packages up to 150 lbs. For packages over 150 lbs., use the FedEx Express Freight US Airbill.

Next Business Day

- [x] FedEx First Overnight — Earliest next business morning delivery to select locations. Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [ ] FedEx Priority Overnight — Next business morning.* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [ ] FedEx Standard Overnight — Next business afternoon.* Saturday Delivery NOT available.

2 or 3 Business Days

- [ ] FedEx 2Day A.M. — Second business morning.* Saturday Delivery NOT available.
- [ ] FedEx 2Day — Second business afternoon.* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [ ] FedEx Express Saver — Third business day.* Saturday Delivery NOT available.

5 Packaging * Declared value limit $500.

- [ ] FedEx Envelope*
- [ ] FedEx Pak*
- [ ] FedEx Box
- [ ] FedEx Tube
- [x] Other

6 Special Handling and Delivery Signature Options

- [ ] SATURDAY Delivery — NOT available for FedEx Standard Overnight, FedEx 2Day A.M., or FedEx Express Saver.

- [x] No Signature Required — Package may be left without obtaining a signature for delivery.
- [ ] Direct Signature — Someone at recipient's address may sign for delivery. Fee applies.
- [ ] Indirect Signature — If no one is available at recipient's address, someone at a neighboring address may sign for delivery. For residential deliveries only. Fee applies.

Does this shipment contain dangerous goods?

One box must be checked.

- [x] No
- [ ] Yes — As per attached Shipper's Declaration.
- [ ] Yes — Shipper's Declaration not required.
- [ ] Dry Ice — Dry Ice, 9, UN 1845 ____ x ____ kg

Dangerous goods (including dry ice) cannot be shipped in FedEx packaging or placed in a FedEx Express Drop Box.

- [ ] Cargo Aircraft Only

7 Payment *Bill to:*

Enter FedEx Acct. No. or Credit Card No. below. Obtain recip. Acct. No. [ ]

- [ ] Sender — Acct. No. in Section 1 will be billed.
- [x] Recipient
- [ ] Third Party
- [ ] Credit Card
- [ ] Cash/Check

Total Packages 6 Total Weight 50 lbs. Credit Card Auth.

†Our liability is limited to US$100 unless you declare a higher value. See the current FedEx Service Guide for details.

611

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fedex.com 1.800.GoFedEx 1.800.463.3339

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Login Sample Receipt Checklist

Client: SCS Engineers

Job Number: 500-100137-1

Login Number: 100137
List Number: 1
Creator: Scott, Sherri L

List Source: TestAmerica Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	4.6
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	False	Refer to Job Narrative for details.
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

TestAmerica Job ID: 500-100240-1
Client Project/Site: James Park 25214107

For:
SCS Engineers
2830 Dairy Dr
Madison, Wisconsin 53718

Attn: Mr. Tony Kollasch

Authorized for release by:
8/31/2015 4:18:58 PM

Sandie Fredrick, Project Manager II
(920)261-1660
sandie.fredrick@testamericainc.com

Table of Contents

Client: SCS Engineers
Project/Site: James Park 25214107

TestAmerica Job ID: 500-100240-1

Job ID: 500-100240-1

Laboratory: TestAmerica Chicago

Narrative

Job Narrative
500-100240-1

Comments
No additional comments.

Receipt
The samples were received on 8/21/2015 9:40 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.9º C.

GC/MS VOA
Method(s) 8260B: The following analyte recovered outside control limits for theLCS associated with 301884: Bromomethane. This is not indicative of a systematic control problem because these were random marginal exceedances. Qualified results have been reported.

Method(s) 8260B: The following sample was diluted due to the abundance of non-target analytes: 71+50/8' (500-100240-3). Elevated reporting limits (RLs) are provided.

Method(s) 8260B: The laboratory control sample (LCS) for batch 301884 recovered outside control limits for the following analyte: Chloroethane. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA
Method(s) 8270D: A full list spike was utilized for this method. Due to the large number of spiked analytes, there is a high probability that one or more analytes will recover outside acceptance limits. The laboratory's SOP allows for 3 analytes to recover outside criteria for this method when a full list spike is utilized. The LCS associated with preparation batch 500-301616 and analytical batch 500-301723 had 1 analyte outside control limits: Benzoic acid; therefore, corrective action was not performed. These results have been reported and qualified.

Method(s) 8270D: The following samples were diluted due to the nature of the sample matrix and/or high target analyte concentrations: Exterior Pipe Crust 71+50/7' (500-100240-1), 71+50/8' (500-100240-3), Interior Pipe Crust 71+50/7' (500-100240-4) and Exterior Pipe Crust A 71+50/7' (500-100240-5). Elevated reporting limits (RLs) are provided.

Method(s) 8270D: The following sample contained one acid and one base surrogate outside acceptance limits: Exterior Pipe Crust A 71+50/7' (500-100240-5). The laboratory's SOP allows one acid and one base surrogate to be outside acceptance limits; therefore, re-extraction was not performed. These results have been reported and qualified.

Method(s) 8270D: The following samples required a dilution due to the nature of the sample matrix: Exterior Pipe Crust 71+50/7' (500-100240-1) and Exterior Pipe Crust A 71+50/7' (500-100240-5). Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

Method(s) 8270D: The following sample contained one base surrogate outside acceptance limits: Interior Pipe Crust 71+50/7' (500-100240-4). The laboratory's SOP allows one acid and one base surrogate to be outside acceptance limits; therefore, re-extraction was not performed. These results have been reported and qualified.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: SCS Engineers
Project/Site: James Park 25214107

TestAmerica Job ID: 500-100240-1

Client Sample ID: Exterior Pipe Crust 71+50/7' — Lab Sample ID: 500-100240-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1-Methylnaphthalene	600		350	85	ug/Kg	10	☼	8270D	Total/NA
2-Methylnaphthalene	470		350	64	ug/Kg	10	☼	8270D	Total/NA
Acenaphthene	150	J	350	63	ug/Kg	10	☼	8270D	Total/NA
Acenaphthylene	1800		350	46	ug/Kg	10	☼	8270D	Total/NA
Anthracene	6700		350	59	ug/Kg	10	☼	8270D	Total/NA
Benzo[a]anthracene	12000		350	47	ug/Kg	10	☼	8270D	Total/NA
Benzo[a]pyrene	10000		350	68	ug/Kg	10	☼	8270D	Total/NA
Benzo[b]fluoranthene	14000		350	76	ug/Kg	10	☼	8270D	Total/NA
Benzo[g,h,i]perylene	3100		350	110	ug/Kg	10	☼	8270D	Total/NA
Benzo[k]fluoranthene	5200		350	100	ug/Kg	10	☼	8270D	Total/NA
Carbazole	3000		1800	870	ug/Kg	10	☼	8270D	Total/NA
Chrysene	11000		350	96	ug/Kg	10	☼	8270D	Total/NA
Dibenz(a,h)anthracene	490		350	68	ug/Kg	10	☼	8270D	Total/NA
Dibenzofuran	550	J	1800	410	ug/Kg	10	☼	8270D	Total/NA
Fluorene	1600		350	49	ug/Kg	10	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	3800		350	91	ug/Kg	10	☼	8270D	Total/NA
Naphthalene	870		350	54	ug/Kg	10	☼	8270D	Total/NA
Phenanthrene	20000		350	49	ug/Kg	10	☼	8270D	Total/NA
Fluoranthene - DL	42000		1700	320	ug/Kg	50	☼	8270D	Total/NA
Pyrene - DL	39000		1700	350	ug/Kg	50	☼	8270D	Total/NA

Client Sample ID: 71+50/7' — Lab Sample ID: 500-100240-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Fluoranthene	9.3	J	42	7.9	ug/Kg	1	☼	8270D	Total/NA
Phenanthrene	12	J	42	6.0	ug/Kg	1	☼	8270D	Total/NA
Pyrene	9.9	J	42	8.5	ug/Kg	1	☼	8270D	Total/NA

Client Sample ID: 71+50/8' — Lab Sample ID: 500-100240-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	290		16	4.7	ug/Kg	50	☼	8260B	Total/NA
Ethylbenzene	470		16	8.0	ug/Kg	50	☼	8260B	Total/NA
Isopropylbenzene	100	J	130	16	ug/Kg	50	☼	8260B	Total/NA
Naphthalene	170		130	31	ug/Kg	50	☼	8260B	Total/NA
Styrene	68		64	6.3	ug/Kg	50	☼	8260B	Total/NA
tert-Butylbenzene	60	J	64	8.7	ug/Kg	50	☼	8260B	Total/NA
Toluene	49		16	7.3	ug/Kg	50	☼	8260B	Total/NA
1,2,4-Trimethylbenzene	160		130	13	ug/Kg	50	☼	8260B	Total/NA
Xylenes, Total	430		32	4.4	ug/Kg	50	☼	8260B	Total/NA
1-Methylnaphthalene	650		200	49	ug/Kg	5	☼	8270D	Total/NA
Acenaphthylene	50	J	200	26	ug/Kg	5	☼	8270D	Total/NA
Benzo[a]anthracene	93	J	200	27	ug/Kg	5	☼	8270D	Total/NA
Benzo[b]fluoranthene	100	J	200	43	ug/Kg	5	☼	8270D	Total/NA
Chrysene	100	J	200	55	ug/Kg	5	☼	8270D	Total/NA
Fluoranthene	74	J	200	37	ug/Kg	5	☼	8270D	Total/NA
Fluorene	41	J	200	28	ug/Kg	5	☼	8270D	Total/NA
Phenanthrene	88	J	200	28	ug/Kg	5	☼	8270D	Total/NA
Pyrene	130	J	200	40	ug/Kg	5	☼	8270D	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: SCS Engineers
Project/Site: James Park 25214107

TestAmerica Job ID: 500-100240-1

Client Sample ID: Interior Pipe Crust 71+50/7'

Lab Sample ID: 500-100240-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	170		6.7	1.7	ug/Kg	1	☼	8260B	Total/NA
Xylenes, Total	180		13	2.5	ug/Kg	1	☼	8260B	Total/NA
Anthracene	300	J	450	76	ug/Kg	10	☼	8270D	Total/NA
Benzo[a]anthracene	680		450	61	ug/Kg	10	☼	8270D	Total/NA
Benzo[a]pyrene	430	J	450	88	ug/Kg	10	☼	8270D	Total/NA
Benzo[b]fluoranthene	520		450	98	ug/Kg	10	☼	8270D	Total/NA
Benzo[k]fluoranthene	230	J	450	130	ug/Kg	10	☼	8270D	Total/NA
Chrysene	900		450	120	ug/Kg	10	☼	8270D	Total/NA
Fluoranthene	1200		450	84	ug/Kg	10	☼	8270D	Total/NA
Fluorene	72	J	450	64	ug/Kg	10	☼	8270D	Total/NA
Phenanthrene	1700		450	63	ug/Kg	10	☼	8270D	Total/NA
Pyrene	1800		450	90	ug/Kg	10	☼	8270D	Total/NA

Client Sample ID: Exterior Pipe Crust A 71+50/7'

Lab Sample ID: 500-100240-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	59		6.0	1.5	ug/Kg	1	☼	8260B	Total/NA
Naphthalene	6.4		6.0	2.7	ug/Kg	1	☼	8260B	Total/NA
Xylenes, Total	79		12	2.2	ug/Kg	1	☼	8260B	Total/NA
1-Methylnaphthalene	910		450	110	ug/Kg	10	☼	8270D	Total/NA
2-Methylnaphthalene	1200		450	83	ug/Kg	10	☼	8270D	Total/NA
3 & 4 Methylphenol	820	J	2300	750	ug/Kg	10	☼	8270D	Total/NA
Acenaphthene	880		450	81	ug/Kg	10	☼	8270D	Total/NA
Acenaphthylene	12000		450	59	ug/Kg	10	☼	8270D	Total/NA
Carbazole	9000		2300	1100	ug/Kg	10	☼	8270D	Total/NA
Dibenzofuran	3900		2300	530	ug/Kg	10	☼	8270D	Total/NA
Fluorene	10000		450	63	ug/Kg	10	☼	8270D	Total/NA
Naphthalene	4200		450	69	ug/Kg	10	☼	8270D	Total/NA
Anthracene - DL	190000		22000	3800	ug/Kg	500	☼	8270D	Total/NA
Benzo[a]anthracene - DL	390000		22000	3000	ug/Kg	500	☼	8270D	Total/NA
Benzo[a]pyrene - DL	350000		22000	4400	ug/Kg	500	☼	8270D	Total/NA
Benzo[b]fluoranthene - DL	430000		22000	4900	ug/Kg	500	☼	8270D	Total/NA
Benzo[g,h,i]perylene - DL	140000		22000	7200	ug/Kg	500	☼	8270D	Total/NA
Benzo[k]fluoranthene - DL	150000		22000	6600	ug/Kg	500	☼	8270D	Total/NA
Chrysene - DL	370000		22000	6100	ug/Kg	500	☼	8270D	Total/NA
Dibenz(a,h)anthracene - DL	14000	J	22000	4300	ug/Kg	500	☼	8270D	Total/NA
Fluoranthene - DL	870000		22000	4200	ug/Kg	500	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene - DL	160000		22000	5800	ug/Kg	500	☼	8270D	Total/NA
Phenanthrene - DL	560000		22000	3100	ug/Kg	500	☼	8270D	Total/NA
Pyrene - DL	740000		22000	4500	ug/Kg	500	☼	8270D	Total/NA

This Detection Summary does not include radiochemical test results.

Method Summary

Client: SCS Engineers
Project/Site: James Park 25214107

TestAmerica Job ID: 500-100240-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CHI
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL CHI
Moisture	Percent Moisture	EPA	TAL CHI

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL CHI = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Sample Summary

Client: SCS Engineers
Project/Site: James Park 25214107

TestAmerica Job ID: 500-100240-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-100240-1	Exterior Pipe Crust 71+50/7'	Solid	08/20/15 09:30	08/21/15 09:40
500-100240-2	71+50/7'	Solid	08/20/15 10:00	08/21/15 09:40
500-100240-3	71+50/8'	Solid	08/20/15 10:45	08/21/15 09:40
500-100240-4	Interior Pipe Crust 71+50/7'	Solid	08/20/15 12:15	08/21/15 09:40
500-100240-5	Exterior Pipe Crust A 71+50/7'	Solid	08/20/15 12:40	08/21/15 09:40

Client Sample ID: Exterior Pipe Crust 71+50/7'
Date Collected: 08/20/15 09:30
Date Received: 08/21/15 09:40

Lab Sample ID: 500-100240-1
Matrix: Solid
Percent Solids: 89.7

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.99		4.5	0.99	ug/Kg	☼	08/21/15 14:40	08/27/15 11:22	1
Bromobenzene	<1.0		4.5	1.0	ug/Kg	☼	08/21/15 14:40	08/27/15 11:22	1
Bromochloromethane	<0.86		4.5	0.86	ug/Kg	☼	08/21/15 14:40	08/27/15 11:22	1
Bromodichloromethane	<0.75		4.5	0.75	ug/Kg	☼	08/21/15 14:40	08/27/15 11:22	1
Bromoform	<0.91		4.5	0.91	ug/Kg	☼	08/21/15 14:40	08/27/15 11:22	1
Bromomethane	<1.6	*	4.5	1.6	ug/Kg	☼	08/21/15 14:40	08/27/15 11:22	1
Carbon tetrachloride	<0.96		4.5	0.96	ug/Kg	☼	08/21/15 14:40	08/27/15 11:22	1
Chlorobenzene	<1.1		4.5	1.1	ug/Kg	☼	08/21/15 14:40	08/27/15 11:22	1
Chloroethane	<1.9		4.5	1.9	ug/Kg	☼	08/21/15 14:40	08/27/15 11:22	1
Chloroform	<0.87		4.5	0.87	ug/Kg	☼	08/21/15 14:40	08/27/15 11:22	1
Chloromethane	<1.1	*	4.5	1.1	ug/Kg	☼	08/21/15 14:40	08/27/15 11:22	1
2-Chlorotoluene	<1.0		4.5	1.0	ug/Kg	☼	08/21/15 14:40	08/27/15 11:22	1
4-Chlorotoluene	<1.2		4.5	1.2	ug/Kg	☼	08/21/15 14:40	08/27/15 11:22	1
cis-1,2-Dichloroethene	<0.91		4.5	0.91	ug/Kg	☼	08/21/15 14:40	08/27/15 11:22	1
cis-1,3-Dichloropropene	<1.0		4.5	1.0	ug/Kg	☼	08/21/15 14:40	08/27/15 11:22	1
Dibromochloromethane	<0.51		4.5	0.51	ug/Kg	☼	08/21/15 14:40	08/27/15 11:22	1
1,2-Dibromo-3-Chloropropane	<1.9		4.5	1.9	ug/Kg	☼	08/21/15 14:40	08/27/15 11:22	1
1,2-Dibromoethane	<1.1		4.5	1.1	ug/Kg	☼	08/21/15 14:40	08/27/15 11:22	1
Dibromomethane	<1.2		4.5	1.2	ug/Kg	☼	08/21/15 14:40	08/27/15 11:22	1
1,2-Dichlorobenzene	<1.0		4.5	1.0	ug/Kg	☼	08/21/15 14:40	08/27/15 11:22	1
1,3-Dichlorobenzene	<1.3		4.5	1.3	ug/Kg	☼	08/21/15 14:40	08/27/15 11:22	1
1,4-Dichlorobenzene	<0.96		4.5	0.96	ug/Kg	☼	08/21/15 14:40	08/27/15 11:22	1
Dichlorodifluoromethane	<1.5		4.5	1.5	ug/Kg	☼	08/21/15 14:40	08/27/15 11:22	1
1,1-Dichloroethane	<0.92		4.5	0.92	ug/Kg	☼	08/21/15 14:40	08/27/15 11:22	1
1,2-Dichloroethane	<0.66		4.5	0.66	ug/Kg	☼	08/21/15 14:40	08/27/15 11:22	1
1,1-Dichloroethene	<1.6		4.5	1.6	ug/Kg	☼	08/21/15 14:40	08/27/15 11:22	1
1,2-Dichloropropane	<1.2		4.5	1.2	ug/Kg	☼	08/21/15 14:40	08/27/15 11:22	1
1,3-Dichloropropane	<0.86		4.5	0.86	ug/Kg	☼	08/21/15 14:40	08/27/15 11:22	1
2,2-Dichloropropane	<8.9		18	8.9	ug/Kg	☼	08/21/15 14:40	08/27/15 11:22	1
1,1-Dichloropropene	<1.4		4.5	1.4	ug/Kg	☼	08/21/15 14:40	08/27/15 11:22	1
Ethylbenzene	<1.1		4.5	1.1	ug/Kg	☼	08/21/15 14:40	08/27/15 11:22	1
Hexachlorobutadiene	<1.4		4.5	1.4	ug/Kg	☼	08/21/15 14:40	08/27/15 11:22	1
Isopropylbenzene	<1.2		4.5	1.2	ug/Kg	☼	08/21/15 14:40	08/27/15 11:22	1
Isopropyl ether	<0.94		4.5	0.94	ug/Kg	☼	08/21/15 14:40	08/27/15 11:22	1
Methylene Chloride	<3.4		4.5	3.4	ug/Kg	☼	08/21/15 14:40	08/27/15 11:22	1
Methyl tert-butyl ether	<1.1		4.5	1.1	ug/Kg	☼	08/21/15 14:40	08/27/15 11:22	1
Naphthalene	<2.0		4.5	2.0	ug/Kg	☼	08/21/15 14:40	08/27/15 11:22	1
n-Butylbenzene	<1.5		4.5	1.5	ug/Kg	☼	08/21/15 14:40	08/27/15 11:22	1
N-Propylbenzene	<1.3		4.5	1.3	ug/Kg	☼	08/21/15 14:40	08/27/15 11:22	1
p-Isopropyltoluene	<1.4		4.5	1.4	ug/Kg	☼	08/21/15 14:40	08/27/15 11:22	1
sec-Butylbenzene	<1.4		4.5	1.4	ug/Kg	☼	08/21/15 14:40	08/27/15 11:22	1
Styrene	<1.0		4.5	1.0	ug/Kg	☼	08/21/15 14:40	08/27/15 11:22	1
tert-Butylbenzene	<1.1		4.5	1.1	ug/Kg	☼	08/21/15 14:40	08/27/15 11:22	1
1,1,1,2-Tetrachloroethane	<1.0		4.5	1.0	ug/Kg	☼	08/21/15 14:40	08/27/15 11:22	1
1,1,2,2-Tetrachloroethane	<0.71		4.5	0.71	ug/Kg	☼	08/21/15 14:40	08/27/15 11:22	1
Tetrachloroethene	<0.93		4.5	0.93	ug/Kg	☼	08/21/15 14:40	08/27/15 11:22	1
Toluene	<1.6		4.5	1.6	ug/Kg	☼	08/21/15 14:40	08/27/15 11:22	1
trans-1,2-Dichloroethene	<1.1		4.5	1.1	ug/Kg	☼	08/21/15 14:40	08/27/15 11:22	1
trans-1,3-Dichloropropene	<1.3		4.5	1.3	ug/Kg	☼	08/21/15 14:40	08/27/15 11:22	1

Client Sample ID: Exterior Pipe Crust 71+50/7'
Date Collected: 08/20/15 09:30
Date Received: 08/21/15 09:40

Lab Sample ID: 500-100240-1
Matrix: Solid
Percent Solids: 89.7

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<1.9		4.5	1.9	ug/Kg	☼	08/21/15 14:40	08/27/15 11:22	1
1,2,4-Trichlorobenzene	<1.8		4.5	1.8	ug/Kg	☼	08/21/15 14:40	08/27/15 11:22	1
1,1,1-Trichloroethane	<1.0		4.5	1.0	ug/Kg	☼	08/21/15 14:40	08/27/15 11:22	1
1,1,2-Trichloroethane	<0.86		4.5	0.86	ug/Kg	☼	08/21/15 14:40	08/27/15 11:22	1
Trichloroethene	<1.2		4.5	1.2	ug/Kg	☼	08/21/15 14:40	08/27/15 11:22	1
Trichlorofluoromethane	<1.0		4.5	1.0	ug/Kg	☼	08/21/15 14:40	08/27/15 11:22	1
1,2,3-Trichloropropane	<1.5		4.5	1.5	ug/Kg	☼	08/21/15 14:40	08/27/15 11:22	1
1,2,4-Trimethylbenzene	<1.2		4.5	1.2	ug/Kg	☼	08/21/15 14:40	08/27/15 11:22	1
1,3,5-Trimethylbenzene	<1.3		4.5	1.3	ug/Kg	☼	08/21/15 14:40	08/27/15 11:22	1
Vinyl chloride	<1.1		4.5	1.1	ug/Kg	☼	08/21/15 14:40	08/27/15 11:22	1
Xylenes, Total	<1.7		8.9	1.7	ug/Kg	☼	08/21/15 14:40	08/27/15 11:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 122*	*08/21/15 14:40*	*08/27/15 11:22*	*1*
Dibromofluoromethane	*103*		*75 - 120*	*08/21/15 14:40*	*08/27/15 11:22*	*1*
1,2-Dichloroethane-d4 (Surr)	*113*		*70 - 134*	*08/21/15 14:40*	*08/27/15 11:22*	*1*
Toluene-d8 (Surr)	*116*		*75 - 122*	*08/21/15 14:40*	*08/27/15 11:22*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<380		1800	380	ug/Kg	☼	08/25/15 15:14	08/28/15 17:51	10
1,2-Dichlorobenzene	<420		1800	420	ug/Kg	☼	08/25/15 15:14	08/28/15 17:51	10
1,3-Dichlorobenzene	<390		1800	390	ug/Kg	☼	08/25/15 15:14	08/28/15 17:51	10
1,4-Dichlorobenzene	<450		1800	450	ug/Kg	☼	08/25/15 15:14	08/28/15 17:51	10
1-Methylnaphthalene	**600**		350	85	ug/Kg	☼	08/25/15 15:14	08/28/15 17:51	10
2,2'-oxybis[1-chloropropane]	<410		1800	410	ug/Kg	☼	08/25/15 15:14	08/28/15 17:51	10
2,4,5-Trichlorophenol	<800		3500	800	ug/Kg	☼	08/25/15 15:14	08/28/15 17:51	10
2,4,6-Trichlorophenol	<1200		3500	1200	ug/Kg	☼	08/25/15 15:14	08/28/15 17:51	10
2,4-Dichlorophenol	<830		3500	830	ug/Kg	☼	08/25/15 15:14	08/28/15 17:51	10
2,4-Dimethylphenol	<1300		3500	1300	ug/Kg	☼	08/25/15 15:14	08/28/15 17:51	10
2,4-Dinitrophenol	<6200		7100	6200	ug/Kg	☼	08/25/15 15:14	08/28/15 17:51	10
2,4-Dinitrotoluene	<560		1800	560	ug/Kg	☼	08/25/15 15:14	08/28/15 17:51	10
2,6-Dinitrotoluene	<690		1800	690	ug/Kg	☼	08/25/15 15:14	08/28/15 17:51	10
2-Chloronaphthalene	<390		1800	390	ug/Kg	☼	08/25/15 15:14	08/28/15 17:51	10
2-Chlorophenol	<600		1800	600	ug/Kg	☼	08/25/15 15:14	08/28/15 17:51	10
2-Methylnaphthalene	**470**		350	64	ug/Kg	☼	08/25/15 15:14	08/28/15 17:51	10
2-Methylphenol	<560		1800	560	ug/Kg	☼	08/25/15 15:14	08/28/15 17:51	10
2-Nitroaniline	<470		1800	470	ug/Kg	☼	08/25/15 15:14	08/28/15 17:51	10
2-Nitrophenol	<830		3500	830	ug/Kg	☼	08/25/15 15:14	08/28/15 17:51	10
3 & 4 Methylphenol	<580		1800	580	ug/Kg	☼	08/25/15 15:14	08/28/15 17:51	10
3,3'-Dichlorobenzidine	<490		1800	490	ug/Kg	☼	08/25/15 15:14	08/28/15 17:51	10
3-Nitroaniline	<1100		3500	1100	ug/Kg	☼	08/25/15 15:14	08/28/15 17:51	10
4,6-Dinitro-2-methylphenol	<2800		3500	2800	ug/Kg	☼	08/25/15 15:14	08/28/15 17:51	10
4-Bromophenyl phenyl ether	<460		1800	460	ug/Kg	☼	08/25/15 15:14	08/28/15 17:51	10
4-Chloro-3-methylphenol	<1200		3500	1200	ug/Kg	☼	08/25/15 15:14	08/28/15 17:51	10
4-Chloroaniline	<1600		7100	1600	ug/Kg	☼	08/25/15 15:14	08/28/15 17:51	10
4-Chlorophenyl phenyl ether	<410		1800	410	ug/Kg	☼	08/25/15 15:14	08/28/15 17:51	10
4-Nitroaniline	<1500		3500	1500	ug/Kg	☼	08/25/15 15:14	08/28/15 17:51	10
4-Nitrophenol	<3300		7100	3300	ug/Kg	☼	08/25/15 15:14	08/28/15 17:51	10
Acenaphthene	**150**	**J**	350	63	ug/Kg	☼	08/25/15 15:14	08/28/15 17:51	10

Client Sample ID: Exterior Pipe Crust 71+50/7'
Date Collected: 08/20/15 09:30
Date Received: 08/21/15 09:40

Lab Sample ID: 500-100240-1
Matrix: Solid
Percent Solids: 89.7

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	**1800**		350	46	ug/Kg	☼	08/25/15 15:14	08/28/15 17:51	10
Anthracene	**6700**		350	59	ug/Kg	☼	08/25/15 15:14	08/28/15 17:51	10
Benzo[a]anthracene	**12000**		350	47	ug/Kg	☼	08/25/15 15:14	08/28/15 17:51	10
Benzo[a]pyrene	**10000**		350	68	ug/Kg	☼	08/25/15 15:14	08/28/15 17:51	10
Benzo[b]fluoranthene	**14000**		350	76	ug/Kg	☼	08/25/15 15:14	08/28/15 17:51	10
Benzo[g,h,i]perylene	**3100**		350	110	ug/Kg	☼	08/25/15 15:14	08/28/15 17:51	10
Benzo[k]fluoranthene	**5200**		350	100	ug/Kg	☼	08/25/15 15:14	08/28/15 17:51	10
Benzoic acid	<3500	*	18000	3500	ug/Kg	☼	08/25/15 15:14	08/28/15 17:51	10
Benzyl alcohol	<1000		3500	1000	ug/Kg	☼	08/25/15 15:14	08/28/15 17:51	10
Bis(2-chloroethoxy)methane	<360		1800	360	ug/Kg	☼	08/25/15 15:14	08/28/15 17:51	10
Bis(2-chloroethyl)ether	<520		1800	520	ug/Kg	☼	08/25/15 15:14	08/28/15 17:51	10
Bis(2-ethylhexyl) phthalate	<640		1800	640	ug/Kg	☼	08/25/15 15:14	08/28/15 17:51	10
Butyl benzyl phthalate	<670		1800	670	ug/Kg	☼	08/25/15 15:14	08/28/15 17:51	10
Carbazole	**3000**		1800	870	ug/Kg	☼	08/25/15 15:14	08/28/15 17:51	10
Chrysene	**11000**		350	96	ug/Kg	☼	08/25/15 15:14	08/28/15 17:51	10
Dibenz(a,h)anthracene	**490**		350	68	ug/Kg	☼	08/25/15 15:14	08/28/15 17:51	10
Dibenzofuran	**550**	**J**	1800	410	ug/Kg	☼	08/25/15 15:14	08/28/15 17:51	10
Diethyl phthalate	<590		1800	590	ug/Kg	☼	08/25/15 15:14	08/28/15 17:51	10
Dimethyl phthalate	<460		1800	460	ug/Kg	☼	08/25/15 15:14	08/28/15 17:51	10
Di-n-butyl phthalate	<530		1800	530	ug/Kg	☼	08/25/15 15:14	08/28/15 17:51	10
Di-n-octyl phthalate	<570		1800	570	ug/Kg	☼	08/25/15 15:14	08/28/15 17:51	10
Fluorene	**1600**		350	49	ug/Kg	☼	08/25/15 15:14	08/28/15 17:51	10
Hexachlorobenzene	<81		710	81	ug/Kg	☼	08/25/15 15:14	08/28/15 17:51	10
Hexachlorobutadiene	<550		1800	550	ug/Kg	☼	08/25/15 15:14	08/28/15 17:51	10
Hexachlorocyclopentadiene	<2000		7100	2000	ug/Kg	☼	08/25/15 15:14	08/28/15 17:51	10
Hexachloroethane	<530		1800	530	ug/Kg	☼	08/25/15 15:14	08/28/15 17:51	10
Indeno[1,2,3-cd]pyrene	**3800**		350	91	ug/Kg	☼	08/25/15 15:14	08/28/15 17:51	10
Isophorone	<390		1800	390	ug/Kg	☼	08/25/15 15:14	08/28/15 17:51	10
Naphthalene	**870**		350	54	ug/Kg	☼	08/25/15 15:14	08/28/15 17:51	10
Nitrobenzene	<87		350	87	ug/Kg	☼	08/25/15 15:14	08/28/15 17:51	10
N-Nitrosodi-n-propylamine	<430		1800	430	ug/Kg	☼	08/25/15 15:14	08/28/15 17:51	10
N-Nitrosodiphenylamine	<410		1800	410	ug/Kg	☼	08/25/15 15:14	08/28/15 17:51	10
Pentachlorophenol	<5600		7100	5600	ug/Kg	☼	08/25/15 15:14	08/28/15 17:51	10
Phenanthrene	**20000**		350	49	ug/Kg	☼	08/25/15 15:14	08/28/15 17:51	10
Phenol	<780		1800	780	ug/Kg	☼	08/25/15 15:14	08/28/15 17:51	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*90*		*35 - 137*	*08/25/15 15:14*	*08/28/15 17:51*	*10*
2-Fluorobiphenyl	*77*		*25 - 119*	*08/25/15 15:14*	*08/28/15 17:51*	*10*
2-Fluorophenol (Surr)	*101*		*25 - 110*	*08/25/15 15:14*	*08/28/15 17:51*	*10*
Nitrobenzene-d5 (Surr)	*66*		*25 - 115*	*08/25/15 15:14*	*08/28/15 17:51*	*10*
Phenol-d5 (Surr)	*68*		*31 - 110*	*08/25/15 15:14*	*08/28/15 17:51*	*10*
Terphenyl-d14 (Surr)	*131*		*36 - 134*	*08/25/15 15:14*	*08/28/15 17:51*	*10*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	**42000**		1700	320	ug/Kg	☼	08/25/15 15:14	08/29/15 16:09	50
Pyrene	**39000**		1700	350	ug/Kg	☼	08/25/15 15:14	08/29/15 16:09	50

Client Sample ID: Exterior Pipe Crust 71+50/7'

Lab Sample ID: 500-100240-1

Date Collected: 08/20/15 09:30
Matrix: Solid
Date Received: 08/21/15 09:40
Percent Solids: 89.7

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	0	D	35 - 137	08/25/15 15:14	08/29/15 16:09	50
2-Fluorobiphenyl	0	D	25 - 119	08/25/15 15:14	08/29/15 16:09	50
2-Fluorophenol (Surr)	0	D	25 - 110	08/25/15 15:14	08/29/15 16:09	50
Nitrobenzene-d5 (Surr)	0	D	25 - 115	08/25/15 15:14	08/29/15 16:09	50
Phenol-d5 (Surr)	0	D	31 - 110	08/25/15 15:14	08/29/15 16:09	50
Terphenyl-d14 (Surr)	0	D	36 - 134	08/25/15 15:14	08/29/15 16:09	50

Client Sample ID: 71+50/7'

Lab Sample ID: 500-100240-2

Date Collected: 08/20/15 10:00
Matrix: Solid
Date Received: 08/21/15 09:40
Percent Solids: 76.6

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.2		5.4	1.2	ug/Kg	☼	08/21/15 14:40	08/27/15 11:48	1
Bromobenzene	<1.2		5.4	1.2	ug/Kg	☼	08/21/15 14:40	08/27/15 11:48	1
Bromochloromethane	<1.0		5.4	1.0	ug/Kg	☼	08/21/15 14:40	08/27/15 11:48	1
Bromodichloromethane	<0.91		5.4	0.91	ug/Kg	☼	08/21/15 14:40	08/27/15 11:48	1
Bromoform	<1.1		5.4	1.1	ug/Kg	☼	08/21/15 14:40	08/27/15 11:48	1
Bromomethane	<2.0	*	5.4	2.0	ug/Kg	☼	08/21/15 14:40	08/27/15 11:48	1
Carbon tetrachloride	<1.1		5.4	1.1	ug/Kg	☼	08/21/15 14:40	08/27/15 11:48	1
Chlorobenzene	<1.3		5.4	1.3	ug/Kg	☼	08/21/15 14:40	08/27/15 11:48	1
Chloroethane	<2.3		5.4	2.3	ug/Kg	☼	08/21/15 14:40	08/27/15 11:48	1
Chloroform	<1.0		5.4	1.0	ug/Kg	☼	08/21/15 14:40	08/27/15 11:48	1
Chloromethane	<1.3	*	5.4	1.3	ug/Kg	☼	08/21/15 14:40	08/27/15 11:48	1
2-Chlorotoluene	<1.2		5.4	1.2	ug/Kg	☼	08/21/15 14:40	08/27/15 11:48	1
4-Chlorotoluene	<1.4		5.4	1.4	ug/Kg	☼	08/21/15 14:40	08/27/15 11:48	1
cis-1,2-Dichloroethene	<1.1		5.4	1.1	ug/Kg	☼	08/21/15 14:40	08/27/15 11:48	1
cis-1,3-Dichloropropene	<1.2		5.4	1.2	ug/Kg	☼	08/21/15 14:40	08/27/15 11:48	1
Dibromochloromethane	<0.62		5.4	0.62	ug/Kg	☼	08/21/15 14:40	08/27/15 11:48	1
1,2-Dibromo-3-Chloropropane	<2.3		5.4	2.3	ug/Kg	☼	08/21/15 14:40	08/27/15 11:48	1
1,2-Dibromoethane	<1.4		5.4	1.4	ug/Kg	☼	08/21/15 14:40	08/27/15 11:48	1
Dibromomethane	<1.5		5.4	1.5	ug/Kg	☼	08/21/15 14:40	08/27/15 11:48	1
1,2-Dichlorobenzene	<1.2		5.4	1.2	ug/Kg	☼	08/21/15 14:40	08/27/15 11:48	1
1,3-Dichlorobenzene	<1.6		5.4	1.6	ug/Kg	☼	08/21/15 14:40	08/27/15 11:48	1
1,4-Dichlorobenzene	<1.2		5.4	1.2	ug/Kg	☼	08/21/15 14:40	08/27/15 11:48	1
Dichlorodifluoromethane	<1.8		5.4	1.8	ug/Kg	☼	08/21/15 14:40	08/27/15 11:48	1
1,1-Dichloroethane	<1.1		5.4	1.1	ug/Kg	☼	08/21/15 14:40	08/27/15 11:48	1
1,2-Dichloroethane	<0.80		5.4	0.80	ug/Kg	☼	08/21/15 14:40	08/27/15 11:48	1
1,1-Dichloroethene	<2.0		5.4	2.0	ug/Kg	☼	08/21/15 14:40	08/27/15 11:48	1
1,2-Dichloropropane	<1.4		5.4	1.4	ug/Kg	☼	08/21/15 14:40	08/27/15 11:48	1
1,3-Dichloropropane	<1.0		5.4	1.0	ug/Kg	☼	08/21/15 14:40	08/27/15 11:48	1
2,2-Dichloropropane	<11		21	11	ug/Kg	☼	08/21/15 14:40	08/27/15 11:48	1
1,1-Dichloropropene	<1.7		5.4	1.7	ug/Kg	☼	08/21/15 14:40	08/27/15 11:48	1
Ethylbenzene	<1.3		5.4	1.3	ug/Kg	☼	08/21/15 14:40	08/27/15 11:48	1
Hexachlorobutadiene	<1.7		5.4	1.7	ug/Kg	☼	08/21/15 14:40	08/27/15 11:48	1
Isopropylbenzene	<1.5		5.4	1.5	ug/Kg	☼	08/21/15 14:40	08/27/15 11:48	1
Isopropyl ether	<1.1		5.4	1.1	ug/Kg	☼	08/21/15 14:40	08/27/15 11:48	1
Methylene Chloride	<4.1		5.4	4.1	ug/Kg	☼	08/21/15 14:40	08/27/15 11:48	1
Methyl tert-butyl ether	<1.3		5.4	1.3	ug/Kg	☼	08/21/15 14:40	08/27/15 11:48	1
Naphthalene	<2.4		5.4	2.4	ug/Kg	☼	08/21/15 14:40	08/27/15 11:48	1

Client Sample ID: 71+50/7'
Date Collected: 08/20/15 10:00
Date Received: 08/21/15 09:40

Lab Sample ID: 500-100240-2
Matrix: Solid
Percent Solids: 76.6

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	<1.8		5.4	1.8	ug/Kg	☼	08/21/15 14:40	08/27/15 11:48	1
N-Propylbenzene	<1.6		5.4	1.6	ug/Kg	☼	08/21/15 14:40	08/27/15 11:48	1
p-Isopropyltoluene	<1.6		5.4	1.6	ug/Kg	☼	08/21/15 14:40	08/27/15 11:48	1
sec-Butylbenzene	<1.7		5.4	1.7	ug/Kg	☼	08/21/15 14:40	08/27/15 11:48	1
Styrene	<1.3		5.4	1.3	ug/Kg	☼	08/21/15 14:40	08/27/15 11:48	1
tert-Butylbenzene	<1.4		5.4	1.4	ug/Kg	☼	08/21/15 14:40	08/27/15 11:48	1
1,1,1,2-Tetrachloroethane	<1.2		5.4	1.2	ug/Kg	☼	08/21/15 14:40	08/27/15 11:48	1
1,1,2,2-Tetrachloroethane	<0.85		5.4	0.85	ug/Kg	☼	08/21/15 14:40	08/27/15 11:48	1
Tetrachloroethene	<1.1		5.4	1.1	ug/Kg	☼	08/21/15 14:40	08/27/15 11:48	1
Toluene	<1.9		5.4	1.9	ug/Kg	☼	08/21/15 14:40	08/27/15 11:48	1
trans-1,2-Dichloroethene	<1.3		5.4	1.3	ug/Kg	☼	08/21/15 14:40	08/27/15 11:48	1
trans-1,3-Dichloropropene	<1.5		5.4	1.5	ug/Kg	☼	08/21/15 14:40	08/27/15 11:48	1
1,2,3-Trichlorobenzene	<2.3		5.4	2.3	ug/Kg	☼	08/21/15 14:40	08/27/15 11:48	1
1,2,4-Trichlorobenzene	<2.2		5.4	2.2	ug/Kg	☼	08/21/15 14:40	08/27/15 11:48	1
1,1,1-Trichloroethane	<1.2		5.4	1.2	ug/Kg	☼	08/21/15 14:40	08/27/15 11:48	1
1,1,2-Trichloroethane	<1.0		5.4	1.0	ug/Kg	☼	08/21/15 14:40	08/27/15 11:48	1
Trichloroethene	<1.5		5.4	1.5	ug/Kg	☼	08/21/15 14:40	08/27/15 11:48	1
Trichlorofluoromethane	<1.2		5.4	1.2	ug/Kg	☼	08/21/15 14:40	08/27/15 11:48	1
1,2,3-Trichloropropane	<1.8		5.4	1.8	ug/Kg	☼	08/21/15 14:40	08/27/15 11:48	1
1,2,4-Trimethylbenzene	<1.4		5.4	1.4	ug/Kg	☼	08/21/15 14:40	08/27/15 11:48	1
1,3,5-Trimethylbenzene	<1.5		5.4	1.5	ug/Kg	☼	08/21/15 14:40	08/27/15 11:48	1
Vinyl chloride	<1.3		5.4	1.3	ug/Kg	☼	08/21/15 14:40	08/27/15 11:48	1
Xylenes, Total	<2.0		11	2.0	ug/Kg	☼	08/21/15 14:40	08/27/15 11:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 122*	*08/21/15 14:40*	*08/27/15 11:48*	*1*
Dibromofluoromethane	*102*		*75 - 120*	*08/21/15 14:40*	*08/27/15 11:48*	*1*
1,2-Dichloroethane-d4 (Surr)	*114*		*70 - 134*	*08/21/15 14:40*	*08/27/15 11:48*	*1*
Toluene-d8 (Surr)	*113*		*75 - 122*	*08/21/15 14:40*	*08/27/15 11:48*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<46		210	46	ug/Kg	☼	08/25/15 15:14	08/28/15 18:20	1
1,2-Dichlorobenzene	<51		210	51	ug/Kg	☼	08/25/15 15:14	08/28/15 18:20	1
1,3-Dichlorobenzene	<48		210	48	ug/Kg	☼	08/25/15 15:14	08/28/15 18:20	1
1,4-Dichlorobenzene	<55		210	55	ug/Kg	☼	08/25/15 15:14	08/28/15 18:20	1
1-Methylnaphthalene	<10		42	10	ug/Kg	☼	08/25/15 15:14	08/28/15 18:20	1
2,2'-oxybis[1-chloropropane]	<50		210	50	ug/Kg	☼	08/25/15 15:14	08/28/15 18:20	1
2,4,5-Trichlorophenol	<98		420	98	ug/Kg	☼	08/25/15 15:14	08/28/15 18:20	1
2,4,6-Trichlorophenol	<150		420	150	ug/Kg	☼	08/25/15 15:14	08/28/15 18:20	1
2,4-Dichlorophenol	<100		420	100	ug/Kg	☼	08/25/15 15:14	08/28/15 18:20	1
2,4-Dimethylphenol	<160		420	160	ug/Kg	☼	08/25/15 15:14	08/28/15 18:20	1
2,4-Dinitrophenol	<750		860	750	ug/Kg	☼	08/25/15 15:14	08/28/15 18:20	1
2,4-Dinitrotoluene	<68		210	68	ug/Kg	☼	08/25/15 15:14	08/28/15 18:20	1
2,6-Dinitrotoluene	<84		210	84	ug/Kg	☼	08/25/15 15:14	08/28/15 18:20	1
2-Chloronaphthalene	<47		210	47	ug/Kg	☼	08/25/15 15:14	08/28/15 18:20	1
2-Chlorophenol	<73		210	73	ug/Kg	☼	08/25/15 15:14	08/28/15 18:20	1
2-Methylnaphthalene	<7.9		42	7.9	ug/Kg	☼	08/25/15 15:14	08/28/15 18:20	1
2-Methylphenol	<69		210	69	ug/Kg	☼	08/25/15 15:14	08/28/15 18:20	1
2-Nitroaniline	<58		210	58	ug/Kg	☼	08/25/15 15:14	08/28/15 18:20	1

Client Sample ID: 71+50/7'
Date Collected: 08/20/15 10:00
Date Received: 08/21/15 09:40

Lab Sample ID: 500-100240-2
Matrix: Solid
Percent Solids: 76.6

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitrophenol	<100		420	100	ug/Kg	☼	08/25/15 15:14	08/28/15 18:20	1
3 & 4 Methylphenol	<71		210	71	ug/Kg	☼	08/25/15 15:14	08/28/15 18:20	1
3,3'-Dichlorobenzidine	<60		210	60	ug/Kg	☼	08/25/15 15:14	08/28/15 18:20	1
3-Nitroaniline	<130		420	130	ug/Kg	☼	08/25/15 15:14	08/28/15 18:20	1
4,6-Dinitro-2-methylphenol	<340		420	340	ug/Kg	☼	08/25/15 15:14	08/28/15 18:20	1
4-Bromophenyl phenyl ether	<56		210	56	ug/Kg	☼	08/25/15 15:14	08/28/15 18:20	1
4-Chloro-3-methylphenol	<150		420	150	ug/Kg	☼	08/25/15 15:14	08/28/15 18:20	1
4-Chloroaniline	<200		860	200	ug/Kg	☼	08/25/15 15:14	08/28/15 18:20	1
4-Chlorophenyl phenyl ether	<50		210	50	ug/Kg	☼	08/25/15 15:14	08/28/15 18:20	1
4-Nitroaniline	<180		420	180	ug/Kg	☼	08/25/15 15:14	08/28/15 18:20	1
4-Nitrophenol	<410		860	410	ug/Kg	☼	08/25/15 15:14	08/28/15 18:20	1
Acenaphthene	<7.7		42	7.7	ug/Kg	☼	08/25/15 15:14	08/28/15 18:20	1
Acenaphthylene	<5.6		42	5.6	ug/Kg	☼	08/25/15 15:14	08/28/15 18:20	1
Anthracene	<7.1		42	7.1	ug/Kg	☼	08/25/15 15:14	08/28/15 18:20	1
Benzo[a]anthracene	<5.8		42	5.8	ug/Kg	☼	08/25/15 15:14	08/28/15 18:20	1
Benzo[a]pyrene	<8.3		42	8.3	ug/Kg	☼	08/25/15 15:14	08/28/15 18:20	1
Benzo[b]fluoranthene	<9.2		42	9.2	ug/Kg	☼	08/25/15 15:14	08/28/15 18:20	1
Benzo[g,h,i]perylene	<14		42	14	ug/Kg	☼	08/25/15 15:14	08/28/15 18:20	1
Benzo[k]fluoranthene	<13		42	13	ug/Kg	☼	08/25/15 15:14	08/28/15 18:20	1
Benzoic acid	<420	*	2100	420	ug/Kg	☼	08/25/15 15:14	08/28/15 18:20	1
Benzyl alcohol	<130		420	130	ug/Kg	☼	08/25/15 15:14	08/28/15 18:20	1
Bis(2-chloroethoxy)methane	<44		210	44	ug/Kg	☼	08/25/15 15:14	08/28/15 18:20	1
Bis(2-chloroethyl)ether	<64		210	64	ug/Kg	☼	08/25/15 15:14	08/28/15 18:20	1
Bis(2-ethylhexyl) phthalate	<78		210	78	ug/Kg	☼	08/25/15 15:14	08/28/15 18:20	1
Butyl benzyl phthalate	<81		210	81	ug/Kg	☼	08/25/15 15:14	08/28/15 18:20	1
Carbazole	<110		210	110	ug/Kg	☼	08/25/15 15:14	08/28/15 18:20	1
Chrysene	<12		42	12	ug/Kg	☼	08/25/15 15:14	08/28/15 18:20	1
Dibenz(a,h)anthracene	<8.3		42	8.3	ug/Kg	☼	08/25/15 15:14	08/28/15 18:20	1
Dibenzofuran	<50		210	50	ug/Kg	☼	08/25/15 15:14	08/28/15 18:20	1
Diethyl phthalate	<72		210	72	ug/Kg	☼	08/25/15 15:14	08/28/15 18:20	1
Dimethyl phthalate	<56		210	56	ug/Kg	☼	08/25/15 15:14	08/28/15 18:20	1
Di-n-butyl phthalate	<65		210	65	ug/Kg	☼	08/25/15 15:14	08/28/15 18:20	1
Di-n-octyl phthalate	<70		210	70	ug/Kg	☼	08/25/15 15:14	08/28/15 18:20	1
Fluoranthene	**9.3**	**J**	42	7.9	ug/Kg	☼	08/25/15 15:14	08/28/15 18:20	1
Fluorene	<6.0		42	6.0	ug/Kg	☼	08/25/15 15:14	08/28/15 18:20	1
Hexachlorobenzene	<9.9		86	9.9	ug/Kg	☼	08/25/15 15:14	08/28/15 18:20	1
Hexachlorobutadiene	<67		210	67	ug/Kg	☼	08/25/15 15:14	08/28/15 18:20	1
Hexachlorocyclopentadiene	<250		860	250	ug/Kg	☼	08/25/15 15:14	08/28/15 18:20	1
Hexachloroethane	<65		210	65	ug/Kg	☼	08/25/15 15:14	08/28/15 18:20	1
Indeno[1,2,3-cd]pyrene	<11		42	11	ug/Kg	☼	08/25/15 15:14	08/28/15 18:20	1
Isophorone	<48		210	48	ug/Kg	☼	08/25/15 15:14	08/28/15 18:20	1
Naphthalene	<6.6		42	6.6	ug/Kg	☼	08/25/15 15:14	08/28/15 18:20	1
Nitrobenzene	<11		42	11	ug/Kg	☼	08/25/15 15:14	08/28/15 18:20	1
N-Nitrosodi-n-propylamine	<52		210	52	ug/Kg	☼	08/25/15 15:14	08/28/15 18:20	1
N-Nitrosodiphenylamine	<50		210	50	ug/Kg	☼	08/25/15 15:14	08/28/15 18:20	1
Pentachlorophenol	<690		860	690	ug/Kg	☼	08/25/15 15:14	08/28/15 18:20	1
Phenanthrene	**12**	**J**	42	6.0	ug/Kg	☼	08/25/15 15:14	08/28/15 18:20	1
Phenol	<95		210	95	ug/Kg	☼	08/25/15 15:14	08/28/15 18:20	1
Pyrene	**9.9**	**J**	42	8.5	ug/Kg	☼	08/25/15 15:14	08/28/15 18:20	1

Client Sample ID: 71+50/7'

Date Collected: 08/20/15 10:00
Date Received: 08/21/15 09:40

Lab Sample ID: 500-100240-2

Matrix: Solid
Percent Solids: 76.6

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*82*		*35 - 137*	*08/25/15 15:14*	*08/28/15 18:20*	*1*
2-Fluorobiphenyl	*67*		*25 - 119*	*08/25/15 15:14*	*08/28/15 18:20*	*1*
2-Fluorophenol (Surr)	*65*		*25 - 110*	*08/25/15 15:14*	*08/28/15 18:20*	*1*
Nitrobenzene-d5 (Surr)	*69*		*25 - 115*	*08/25/15 15:14*	*08/28/15 18:20*	*1*
Phenol-d5 (Surr)	*72*		*31 - 110*	*08/25/15 15:14*	*08/28/15 18:20*	*1*
Terphenyl-d14 (Surr)	*97*		*36 - 134*	*08/25/15 15:14*	*08/28/15 18:20*	*1*

Client Sample ID: 71+50/8'

Date Collected: 08/20/15 10:45
Date Received: 08/21/15 09:40

Lab Sample ID: 500-100240-3

Matrix: Solid
Percent Solids: 78.0

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**290**		16	4.7	ug/Kg	☼	08/20/15 10:45	08/27/15 14:14	50
Bromobenzene	<27		130	27	ug/Kg	☼	08/20/15 10:45	08/27/15 14:14	50
Bromochloromethane	<24		130	24	ug/Kg	☼	08/20/15 10:45	08/27/15 14:14	50
Bromodichloromethane	<22		130	22	ug/Kg	☼	08/20/15 10:45	08/27/15 14:14	50
Bromoform	<28		130	28	ug/Kg	☼	08/20/15 10:45	08/27/15 14:14	50
Bromomethane	<43		130	43	ug/Kg	☼	08/20/15 10:45	08/27/15 14:14	50
Carbon tetrachloride	<16		64	16	ug/Kg	☼	08/20/15 10:45	08/27/15 14:14	50
Chlorobenzene	<9.1		64	9.1	ug/Kg	☼	08/20/15 10:45	08/27/15 14:14	50
Chloroethane	<28		130	28	ug/Kg	☼	08/20/15 10:45	08/27/15 14:14	50
Chloroform	<13		64	13	ug/Kg	☼	08/20/15 10:45	08/27/15 14:14	50
Chloromethane	<29		130	29	ug/Kg	☼	08/20/15 10:45	08/27/15 14:14	50
2-Chlorotoluene	<13		64	13	ug/Kg	☼	08/20/15 10:45	08/27/15 14:14	50
4-Chlorotoluene	<13		64	13	ug/Kg	☼	08/20/15 10:45	08/27/15 14:14	50
cis-1,2-Dichloroethene	<7.8		64	7.8	ug/Kg	☼	08/20/15 10:45	08/27/15 14:14	50
cis-1,3-Dichloropropene	<11		64	11	ug/Kg	☼	08/20/15 10:45	08/27/15 14:14	50
Dibromochloromethane	<22		130	22	ug/Kg	☼	08/20/15 10:45	08/27/15 14:14	50
1,2-Dibromo-3-Chloropropane	<56		130	56	ug/Kg	☼	08/20/15 10:45	08/27/15 14:14	50
1,2-Dibromoethane	<20		130	20	ug/Kg	☼	08/20/15 10:45	08/27/15 14:14	50
Dibromomethane	<31		130	31	ug/Kg	☼	08/20/15 10:45	08/27/15 14:14	50
1,2-Dichlorobenzene	<13		130	13	ug/Kg	☼	08/20/15 10:45	08/27/15 14:14	50
1,3-Dichlorobenzene	<16		130	16	ug/Kg	☼	08/20/15 10:45	08/27/15 14:14	50
1,4-Dichlorobenzene	<11		130	11	ug/Kg	☼	08/20/15 10:45	08/27/15 14:14	50
Dichlorodifluoromethane	<33		130	33	ug/Kg	☼	08/20/15 10:45	08/27/15 14:14	50
1,1-Dichloroethane	<12		64	12	ug/Kg	☼	08/20/15 10:45	08/27/15 14:14	50
1,2-Dichloroethane	<18		64	18	ug/Kg	☼	08/20/15 10:45	08/27/15 14:14	50
1,1-Dichloroethene	<20		64	20	ug/Kg	☼	08/20/15 10:45	08/27/15 14:14	50
1,2-Dichloropropane	<12		64	12	ug/Kg	☼	08/20/15 10:45	08/27/15 14:14	50
1,3-Dichloropropane	<8.5		64	8.5	ug/Kg	☼	08/20/15 10:45	08/27/15 14:14	50
2,2-Dichloropropane	<20		64	20	ug/Kg	☼	08/20/15 10:45	08/27/15 14:14	50
1,1-Dichloropropene	<22		64	22	ug/Kg	☼	08/20/15 10:45	08/27/15 14:14	50
Ethylbenzene	**470**		16	8.0	ug/Kg	☼	08/20/15 10:45	08/27/15 14:14	50
Hexachlorobutadiene	<22		130	22	ug/Kg	☼	08/20/15 10:45	08/27/15 14:14	50
Isopropylbenzene	**100**	**J**	130	16	ug/Kg	☼	08/20/15 10:45	08/27/15 14:14	50
Isopropyl ether	<9.4		130	9.4	ug/Kg	☼	08/20/15 10:45	08/27/15 14:14	50
Methylene Chloride	<44		320	44	ug/Kg	☼	08/20/15 10:45	08/27/15 14:14	50
Methyl tert-butyl ether	<27		130	27	ug/Kg	☼	08/20/15 10:45	08/27/15 14:14	50
Naphthalene	**170**		130	31	ug/Kg	☼	08/20/15 10:45	08/27/15 14:14	50

Client Sample ID: 71+50/8'
Date Collected: 08/20/15 10:45
Date Received: 08/21/15 09:40

Lab Sample ID: 500-100240-3
Matrix: Solid
Percent Solids: 78.0

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	<8.2		64	8.2	ug/Kg	☼	08/20/15 10:45	08/27/15 14:14	50
N-Propylbenzene	<11		130	11	ug/Kg	☼	08/20/15 10:45	08/27/15 14:14	50
p-Isopropyltoluene	<12		130	12	ug/Kg	☼	08/20/15 10:45	08/27/15 14:14	50
sec-Butylbenzene	<9.8		64	9.8	ug/Kg	☼	08/20/15 10:45	08/27/15 14:14	50
Styrene	**68**		64	6.3	ug/Kg	☼	08/20/15 10:45	08/27/15 14:14	50
tert-Butylbenzene	**60**	**J**	64	8.7	ug/Kg	☼	08/20/15 10:45	08/27/15 14:14	50
1,1,1,2-Tetrachloroethane	<22		130	22	ug/Kg	☼	08/20/15 10:45	08/27/15 14:14	50
1,1,2,2-Tetrachloroethane	<15		64	15	ug/Kg	☼	08/20/15 10:45	08/27/15 14:14	50
Tetrachloroethene	<11		64	11	ug/Kg	☼	08/20/15 10:45	08/27/15 14:14	50
Toluene	**49**		16	7.3	ug/Kg	☼	08/20/15 10:45	08/27/15 14:14	50
trans-1,2-Dichloroethene	<16		64	16	ug/Kg	☼	08/20/15 10:45	08/27/15 14:14	50
trans-1,3-Dichloropropene	<13		64	13	ug/Kg	☼	08/20/15 10:45	08/27/15 14:14	50
1,2,3-Trichlorobenzene	<22		130	22	ug/Kg	☼	08/20/15 10:45	08/27/15 14:14	50
1,2,4-Trichlorobenzene	<24		130	24	ug/Kg	☼	08/20/15 10:45	08/27/15 14:14	50
1,1,1-Trichloroethane	<13		64	13	ug/Kg	☼	08/20/15 10:45	08/27/15 14:14	50
1,1,2-Trichloroethane	<18		64	18	ug/Kg	☼	08/20/15 10:45	08/27/15 14:14	50
Trichloroethene	<12		32	12	ug/Kg	☼	08/20/15 10:45	08/27/15 14:14	50
Trichlorofluoromethane	<26		130	26	ug/Kg	☼	08/20/15 10:45	08/27/15 14:14	50
1,2,3-Trichloropropane	<37		130	37	ug/Kg	☼	08/20/15 10:45	08/27/15 14:14	50
1,2,4-Trimethylbenzene	**160**		130	13	ug/Kg	☼	08/20/15 10:45	08/27/15 14:14	50
1,3,5-Trimethylbenzene	<13		130	13	ug/Kg	☼	08/20/15 10:45	08/27/15 14:14	50
Vinyl chloride	<6.6		16	6.6	ug/Kg	☼	08/20/15 10:45	08/27/15 14:14	50
Xylenes, Total	**430**		32	4.4	ug/Kg	☼	08/20/15 10:45	08/27/15 14:14	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*75 - 120*	*08/20/15 10:45*	*08/27/15 14:14*	*50*
Dibromofluoromethane	*106*		*75 - 120*	*08/20/15 10:45*	*08/27/15 14:14*	*50*
1,2-Dichloroethane-d4 (Surr)	*101*		*75 - 125*	*08/20/15 10:45*	*08/27/15 14:14*	*50*
Toluene-d8 (Surr)	*105*		*75 - 120*	*08/20/15 10:45*	*08/27/15 14:14*	*50*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<220		1000	220	ug/Kg	☼	08/25/15 15:14	08/28/15 18:50	5
1,2-Dichlorobenzene	<240		1000	240	ug/Kg	☼	08/25/15 15:14	08/28/15 18:50	5
1,3-Dichlorobenzene	<230		1000	230	ug/Kg	☼	08/25/15 15:14	08/28/15 18:50	5
1,4-Dichlorobenzene	<260		1000	260	ug/Kg	☼	08/25/15 15:14	08/28/15 18:50	5
1-Methylnaphthalene	**650**		200	49	ug/Kg	☼	08/25/15 15:14	08/28/15 18:50	5
2,2'-oxybis[1-chloropropane]	<230		1000	230	ug/Kg	☼	08/25/15 15:14	08/28/15 18:50	5
2,4,5-Trichlorophenol	<460		2000	460	ug/Kg	☼	08/25/15 15:14	08/28/15 18:50	5
2,4,6-Trichlorophenol	<690		2000	690	ug/Kg	☼	08/25/15 15:14	08/28/15 18:50	5
2,4-Dichlorophenol	<480		2000	480	ug/Kg	☼	08/25/15 15:14	08/28/15 18:50	5
2,4-Dimethylphenol	<760		2000	760	ug/Kg	☼	08/25/15 15:14	08/28/15 18:50	5
2,4-Dinitrophenol	<3500		4000	3500	ug/Kg	☼	08/25/15 15:14	08/28/15 18:50	5
2,4-Dinitrotoluene	<320		1000	320	ug/Kg	☼	08/25/15 15:14	08/28/15 18:50	5
2,6-Dinitrotoluene	<390		1000	390	ug/Kg	☼	08/25/15 15:14	08/28/15 18:50	5
2-Chloronaphthalene	<220		1000	220	ug/Kg	☼	08/25/15 15:14	08/28/15 18:50	5
2-Chlorophenol	<340		1000	340	ug/Kg	☼	08/25/15 15:14	08/28/15 18:50	5
2-Methylnaphthalene	<37		200	37	ug/Kg	☼	08/25/15 15:14	08/28/15 18:50	5
2-Methylphenol	<320		1000	320	ug/Kg	☼	08/25/15 15:14	08/28/15 18:50	5
2-Nitroaniline	<270		1000	270	ug/Kg	☼	08/25/15 15:14	08/28/15 18:50	5

Client Sample ID: 71+50/8'
Date Collected: 08/20/15 10:45
Date Received: 08/21/15 09:40

Lab Sample ID: 500-100240-3
Matrix: Solid
Percent Solids: 78.0

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitrophenol	<470		2000	470	ug/Kg	☼	08/25/15 15:14	08/28/15 18:50	5
3 & 4 Methylphenol	<330		1000	330	ug/Kg	☼	08/25/15 15:14	08/28/15 18:50	5
3,3'-Dichlorobenzidine	<280		1000	280	ug/Kg	☼	08/25/15 15:14	08/28/15 18:50	5
3-Nitroaniline	<620		2000	620	ug/Kg	☼	08/25/15 15:14	08/28/15 18:50	5
4,6-Dinitro-2-methylphenol	<1600		2000	1600	ug/Kg	☼	08/25/15 15:14	08/28/15 18:50	5
4-Bromophenyl phenyl ether	<260		1000	260	ug/Kg	☼	08/25/15 15:14	08/28/15 18:50	5
4-Chloro-3-methylphenol	<680		2000	680	ug/Kg	☼	08/25/15 15:14	08/28/15 18:50	5
4-Chloroaniline	<940		4000	940	ug/Kg	☼	08/25/15 15:14	08/28/15 18:50	5
4-Chlorophenyl phenyl ether	<230		1000	230	ug/Kg	☼	08/25/15 15:14	08/28/15 18:50	5
4-Nitroaniline	<840		2000	840	ug/Kg	☼	08/25/15 15:14	08/28/15 18:50	5
4-Nitrophenol	<1900		4000	1900	ug/Kg	☼	08/25/15 15:14	08/28/15 18:50	5
Acenaphthene	<36		200	36	ug/Kg	☼	08/25/15 15:14	08/28/15 18:50	5
Acenaphthylene	**50**	**J**	200	26	ug/Kg	☼	08/25/15 15:14	08/28/15 18:50	5
Anthracene	<33		200	33	ug/Kg	☼	08/25/15 15:14	08/28/15 18:50	5
Benzo[a]anthracene	**93**	**J**	200	27	ug/Kg	☼	08/25/15 15:14	08/28/15 18:50	5
Benzo[a]pyrene	<39		200	39	ug/Kg	☼	08/25/15 15:14	08/28/15 18:50	5
Benzo[b]fluoranthene	**100**	**J**	200	43	ug/Kg	☼	08/25/15 15:14	08/28/15 18:50	5
Benzo[g,h,i]perylene	<64		200	64	ug/Kg	☼	08/25/15 15:14	08/28/15 18:50	5
Benzo[k]fluoranthene	<59		200	59	ug/Kg	☼	08/25/15 15:14	08/28/15 18:50	5
Benzoic acid	<2000	*	10000	2000	ug/Kg	☼	08/25/15 15:14	08/28/15 18:50	5
Benzyl alcohol	<600		2000	600	ug/Kg	☼	08/25/15 15:14	08/28/15 18:50	5
Bis(2-chloroethoxy)methane	<200		1000	200	ug/Kg	☼	08/25/15 15:14	08/28/15 18:50	5
Bis(2-chloroethyl)ether	<300		1000	300	ug/Kg	☼	08/25/15 15:14	08/28/15 18:50	5
Bis(2-ethylhexyl) phthalate	<370		1000	370	ug/Kg	☼	08/25/15 15:14	08/28/15 18:50	5
Butyl benzyl phthalate	<380		1000	380	ug/Kg	☼	08/25/15 15:14	08/28/15 18:50	5
Carbazole	<500		1000	500	ug/Kg	☼	08/25/15 15:14	08/28/15 18:50	5
Chrysene	**100**	**J**	200	55	ug/Kg	☼	08/25/15 15:14	08/28/15 18:50	5
Dibenz(a,h)anthracene	<39		200	39	ug/Kg	☼	08/25/15 15:14	08/28/15 18:50	5
Dibenzofuran	<230		1000	230	ug/Kg	☼	08/25/15 15:14	08/28/15 18:50	5
Diethyl phthalate	<340		1000	340	ug/Kg	☼	08/25/15 15:14	08/28/15 18:50	5
Dimethyl phthalate	<260		1000	260	ug/Kg	☼	08/25/15 15:14	08/28/15 18:50	5
Di-n-butyl phthalate	<300		1000	300	ug/Kg	☼	08/25/15 15:14	08/28/15 18:50	5
Di-n-octyl phthalate	<330		1000	330	ug/Kg	☼	08/25/15 15:14	08/28/15 18:50	5
Fluoranthene	**74**	**J**	200	37	ug/Kg	☼	08/25/15 15:14	08/28/15 18:50	5
Fluorene	**41**	**J**	200	28	ug/Kg	☼	08/25/15 15:14	08/28/15 18:50	5
Hexachlorobenzene	<46		400	46	ug/Kg	☼	08/25/15 15:14	08/28/15 18:50	5
Hexachlorobutadiene	<310		1000	310	ug/Kg	☼	08/25/15 15:14	08/28/15 18:50	5
Hexachlorocyclopentadiene	<1100		4000	1100	ug/Kg	☼	08/25/15 15:14	08/28/15 18:50	5
Hexachloroethane	<300		1000	300	ug/Kg	☼	08/25/15 15:14	08/28/15 18:50	5
Indeno[1,2,3-cd]pyrene	<52		200	52	ug/Kg	☼	08/25/15 15:14	08/28/15 18:50	5
Isophorone	<220		1000	220	ug/Kg	☼	08/25/15 15:14	08/28/15 18:50	5
Naphthalene	<31		200	31	ug/Kg	☼	08/25/15 15:14	08/28/15 18:50	5
Nitrobenzene	<50		200	50	ug/Kg	☼	08/25/15 15:14	08/28/15 18:50	5
N-Nitrosodi-n-propylamine	<240		1000	240	ug/Kg	☼	08/25/15 15:14	08/28/15 18:50	5
N-Nitrosodiphenylamine	<240		1000	240	ug/Kg	☼	08/25/15 15:14	08/28/15 18:50	5
Pentachlorophenol	<3200		4000	3200	ug/Kg	☼	08/25/15 15:14	08/28/15 18:50	5
Phenanthrene	**88**	**J**	200	28	ug/Kg	☼	08/25/15 15:14	08/28/15 18:50	5
Phenol	<440		1000	440	ug/Kg	☼	08/25/15 15:14	08/28/15 18:50	5
Pyrene	**130**	**J**	200	40	ug/Kg	☼	08/25/15 15:14	08/28/15 18:50	5

Client Sample ID: 71+50/8'

Date Collected: 08/20/15 10:45
Date Received: 08/21/15 09:40

Lab Sample ID: 500-100240-3

Matrix: Solid
Percent Solids: 78.0

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	*93*		*35 - 137*	*08/25/15 15:14*	*08/28/15 18:50*	*5*
2-Fluorobiphenyl	*71*		*25 - 119*	*08/25/15 15:14*	*08/28/15 18:50*	*5*
2-Fluorophenol (Surr)	*86*		*25 - 110*	*08/25/15 15:14*	*08/28/15 18:50*	*5*
Nitrobenzene-d5 (Surr)	*69*		*25 - 115*	*08/25/15 15:14*	*08/28/15 18:50*	*5*
Phenol-d5 (Surr)	*71*		*31 - 110*	*08/25/15 15:14*	*08/28/15 18:50*	*5*
Terphenyl-d14 (Surr)	*117*		*36 - 134*	*08/25/15 15:14*	*08/28/15 18:50*	*5*

Client Sample ID: Interior Pipe Crust 71+50/7'

Date Collected: 08/20/15 12:15
Date Received: 08/21/15 09:40

Lab Sample ID: 500-100240-4

Matrix: Solid
Percent Solids: 72.7

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.5		6.7	1.5	ug/Kg	☼	08/21/15 14:40	08/27/15 12:13	1
Bromobenzene	<1.5		6.7	1.5	ug/Kg	☼	08/21/15 14:40	08/27/15 12:13	1
Bromochloromethane	<1.3		6.7	1.3	ug/Kg	☼	08/21/15 14:40	08/27/15 12:13	1
Bromodichloromethane	<1.1		6.7	1.1	ug/Kg	☼	08/21/15 14:40	08/27/15 12:13	1
Bromoform	<1.4		6.7	1.4	ug/Kg	☼	08/21/15 14:40	08/27/15 12:13	1
Bromomethane	<2.5	*	6.7	2.5	ug/Kg	☼	08/21/15 14:40	08/27/15 12:13	1
Carbon tetrachloride	<1.4		6.7	1.4	ug/Kg	☼	08/21/15 14:40	08/27/15 12:13	1
Chlorobenzene	<1.6		6.7	1.6	ug/Kg	☼	08/21/15 14:40	08/27/15 12:13	1
Chloroethane	<2.8		6.7	2.8	ug/Kg	☼	08/21/15 14:40	08/27/15 12:13	1
Chloroform	<1.3		6.7	1.3	ug/Kg	☼	08/21/15 14:40	08/27/15 12:13	1
Chloromethane	<1.6	*	6.7	1.6	ug/Kg	☼	08/21/15 14:40	08/27/15 12:13	1
2-Chlorotoluene	<1.6		6.7	1.6	ug/Kg	☼	08/21/15 14:40	08/27/15 12:13	1
4-Chlorotoluene	<1.8		6.7	1.8	ug/Kg	☼	08/21/15 14:40	08/27/15 12:13	1
cis-1,2-Dichloroethene	<1.4		6.7	1.4	ug/Kg	☼	08/21/15 14:40	08/27/15 12:13	1
cis-1,3-Dichloropropene	<1.5		6.7	1.5	ug/Kg	☼	08/21/15 14:40	08/27/15 12:13	1
Dibromochloromethane	<0.78		6.7	0.78	ug/Kg	☼	08/21/15 14:40	08/27/15 12:13	1
1,2-Dibromo-3-Chloropropane	<2.9		6.7	2.9	ug/Kg	☼	08/21/15 14:40	08/27/15 12:13	1
1,2-Dibromoethane	<1.7		6.7	1.7	ug/Kg	☼	08/21/15 14:40	08/27/15 12:13	1
Dibromomethane	<1.8		6.7	1.8	ug/Kg	☼	08/21/15 14:40	08/27/15 12:13	1
1,2-Dichlorobenzene	<1.6		6.7	1.6	ug/Kg	☼	08/21/15 14:40	08/27/15 12:13	1
1,3-Dichlorobenzene	<2.0		6.7	2.0	ug/Kg	☼	08/21/15 14:40	08/27/15 12:13	1
1,4-Dichlorobenzene	<1.5		6.7	1.5	ug/Kg	☼	08/21/15 14:40	08/27/15 12:13	1
Dichlorodifluoromethane	<2.2		6.7	2.2	ug/Kg	☼	08/21/15 14:40	08/27/15 12:13	1
1,1-Dichloroethane	<1.4		6.7	1.4	ug/Kg	☼	08/21/15 14:40	08/27/15 12:13	1
1,2-Dichloroethane	<1.0		6.7	1.0	ug/Kg	☼	08/21/15 14:40	08/27/15 12:13	1
1,1-Dichloroethene	<2.5		6.7	2.5	ug/Kg	☼	08/21/15 14:40	08/27/15 12:13	1
1,2-Dichloropropane	<1.8		6.7	1.8	ug/Kg	☼	08/21/15 14:40	08/27/15 12:13	1
1,3-Dichloropropane	<1.3		6.7	1.3	ug/Kg	☼	08/21/15 14:40	08/27/15 12:13	1
2,2-Dichloropropane	<13		27	13	ug/Kg	☼	08/21/15 14:40	08/27/15 12:13	1
1,1-Dichloropropene	<2.1		6.7	2.1	ug/Kg	☼	08/21/15 14:40	08/27/15 12:13	1
Ethylbenzene	**170**		6.7	1.7	ug/Kg	☼	08/21/15 14:40	08/27/15 12:13	1
Hexachlorobutadiene	<2.1		6.7	2.1	ug/Kg	☼	08/21/15 14:40	08/27/15 12:13	1
Isopropylbenzene	<1.8		6.7	1.8	ug/Kg	☼	08/21/15 14:40	08/27/15 12:13	1
Isopropyl ether	<1.4		6.7	1.4	ug/Kg	☼	08/21/15 14:40	08/27/15 12:13	1
Methylene Chloride	<5.1		6.7	5.1	ug/Kg	☼	08/21/15 14:40	08/27/15 12:13	1
Methyl tert-butyl ether	<1.6		6.7	1.6	ug/Kg	☼	08/21/15 14:40	08/27/15 12:13	1
Naphthalene	<3.0		6.7	3.0	ug/Kg	☼	08/21/15 14:40	08/27/15 12:13	1

Client Sample ID: Interior Pipe Crust 71+50/7'
Date Collected: 08/20/15 12:15
Date Received: 08/21/15 09:40

Lab Sample ID: 500-100240-4
Matrix: Solid
Percent Solids: 72.7

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	<2.2		6.7	2.2	ug/Kg	☼	08/21/15 14:40	08/27/15 12:13	1
N-Propylbenzene	<2.0		6.7	2.0	ug/Kg	☼	08/21/15 14:40	08/27/15 12:13	1
p-Isopropyltoluene	<2.1		6.7	2.1	ug/Kg	☼	08/21/15 14:40	08/27/15 12:13	1
sec-Butylbenzene	<2.2		6.7	2.2	ug/Kg	☼	08/21/15 14:40	08/27/15 12:13	1
Styrene	<1.6		6.7	1.6	ug/Kg	☼	08/21/15 14:40	08/27/15 12:13	1
tert-Butylbenzene	<1.7		6.7	1.7	ug/Kg	☼	08/21/15 14:40	08/27/15 12:13	1
1,1,1,2-Tetrachloroethane	<1.6		6.7	1.6	ug/Kg	☼	08/21/15 14:40	08/27/15 12:13	1
1,1,2,2-Tetrachloroethane	<1.1		6.7	1.1	ug/Kg	☼	08/21/15 14:40	08/27/15 12:13	1
Tetrachloroethene	<1.4		6.7	1.4	ug/Kg	☼	08/21/15 14:40	08/27/15 12:13	1
Toluene	<2.3		6.7	2.3	ug/Kg	☼	08/21/15 14:40	08/27/15 12:13	1
trans-1,2-Dichloroethene	<1.7		6.7	1.7	ug/Kg	☼	08/21/15 14:40	08/27/15 12:13	1
trans-1,3-Dichloropropene	<1.9		6.7	1.9	ug/Kg	☼	08/21/15 14:40	08/27/15 12:13	1
1,2,3-Trichlorobenzene	<2.9		6.7	2.9	ug/Kg	☼	08/21/15 14:40	08/27/15 12:13	1
1,2,4-Trichlorobenzene	<2.7		6.7	2.7	ug/Kg	☼	08/21/15 14:40	08/27/15 12:13	1
1,1,1-Trichloroethane	<1.6		6.7	1.6	ug/Kg	☼	08/21/15 14:40	08/27/15 12:13	1
1,1,2-Trichloroethane	<1.3		6.7	1.3	ug/Kg	☼	08/21/15 14:40	08/27/15 12:13	1
Trichloroethene	<1.8		6.7	1.8	ug/Kg	☼	08/21/15 14:40	08/27/15 12:13	1
Trichlorofluoromethane	<1.6		6.7	1.6	ug/Kg	☼	08/21/15 14:40	08/27/15 12:13	1
1,2,3-Trichloropropane	<2.3		6.7	2.3	ug/Kg	☼	08/21/15 14:40	08/27/15 12:13	1
1,2,4-Trimethylbenzene	<1.7		6.7	1.7	ug/Kg	☼	08/21/15 14:40	08/27/15 12:13	1
1,3,5-Trimethylbenzene	<1.9		6.7	1.9	ug/Kg	☼	08/21/15 14:40	08/27/15 12:13	1
Vinyl chloride	<1.6		6.7	1.6	ug/Kg	☼	08/21/15 14:40	08/27/15 12:13	1
Xylenes, Total	**180**		13	2.5	ug/Kg	☼	08/21/15 14:40	08/27/15 12:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 122*	*08/21/15 14:40*	*08/27/15 12:13*	*1*
Dibromofluoromethane	*101*		*75 - 120*	*08/21/15 14:40*	*08/27/15 12:13*	*1*
1,2-Dichloroethane-d4 (Surr)	*111*		*70 - 134*	*08/21/15 14:40*	*08/27/15 12:13*	*1*
Toluene-d8 (Surr)	*117*		*75 - 122*	*08/21/15 14:40*	*08/27/15 12:13*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<490		2300	490	ug/Kg	☼	08/25/15 15:14	08/29/15 16:33	10
1,2-Dichlorobenzene	<540		2300	540	ug/Kg	☼	08/25/15 15:14	08/29/15 16:33	10
1,3-Dichlorobenzene	<510		2300	510	ug/Kg	☼	08/25/15 15:14	08/29/15 16:33	10
1,4-Dichlorobenzene	<580		2300	580	ug/Kg	☼	08/25/15 15:14	08/29/15 16:33	10
1-Methylnaphthalene	<110		450	110	ug/Kg	☼	08/25/15 15:14	08/29/15 16:33	10
2,2'-oxybis[1-chloropropane]	<530		2300	530	ug/Kg	☼	08/25/15 15:14	08/29/15 16:33	10
2,4,5-Trichlorophenol	<1000		4500	1000	ug/Kg	☼	08/25/15 15:14	08/29/15 16:33	10
2,4,6-Trichlorophenol	<1600		4500	1600	ug/Kg	☼	08/25/15 15:14	08/29/15 16:33	10
2,4-Dichlorophenol	<1100		4500	1100	ug/Kg	☼	08/25/15 15:14	08/29/15 16:33	10
2,4-Dimethylphenol	<1700		4500	1700	ug/Kg	☼	08/25/15 15:14	08/29/15 16:33	10
2,4-Dinitrophenol	<8000		9200	8000	ug/Kg	☼	08/25/15 15:14	08/29/15 16:33	10
2,4-Dinitrotoluene	<720		2300	720	ug/Kg	☼	08/25/15 15:14	08/29/15 16:33	10
2,6-Dinitrotoluene	<890		2300	890	ug/Kg	☼	08/25/15 15:14	08/29/15 16:33	10
2-Chloronaphthalene	<500		2300	500	ug/Kg	☼	08/25/15 15:14	08/29/15 16:33	10
2-Chlorophenol	<770		2300	770	ug/Kg	☼	08/25/15 15:14	08/29/15 16:33	10
2-Methylnaphthalene	<83		450	83	ug/Kg	☼	08/25/15 15:14	08/29/15 16:33	10
2-Methylphenol	<730		2300	730	ug/Kg	☼	08/25/15 15:14	08/29/15 16:33	10
2-Nitroaniline	<610		2300	610	ug/Kg	☼	08/25/15 15:14	08/29/15 16:33	10

Client: SCS Engineers
Project/Site: James Park 25214107

TestAmerica Job ID: 500-100240-1

Client Sample ID: Interior Pipe Crust 71+50/7'
Date Collected: 08/20/15 12:15
Date Received: 08/21/15 09:40

Lab Sample ID: 500-100240-4
Matrix: Solid
Percent Solids: 72.7

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitrophenol	<1100		4500	1100	ug/Kg	☼	08/25/15 15:14	08/29/15 16:33	10
3 & 4 Methylphenol	<760		2300	760	ug/Kg	☼	08/25/15 15:14	08/29/15 16:33	10
3,3'-Dichlorobenzidine	<640		2300	640	ug/Kg	☼	08/25/15 15:14	08/29/15 16:33	10
3-Nitroaniline	<1400		4500	1400	ug/Kg	☼	08/25/15 15:14	08/29/15 16:33	10
4,6-Dinitro-2-methylphenol	<3600		4500	3600	ug/Kg	☼	08/25/15 15:14	08/29/15 16:33	10
4-Bromophenyl phenyl ether	<600		2300	600	ug/Kg	☼	08/25/15 15:14	08/29/15 16:33	10
4-Chloro-3-methylphenol	<1500		4500	1500	ug/Kg	☼	08/25/15 15:14	08/29/15 16:33	10
4-Chloroaniline	<2100		9200	2100	ug/Kg	☼	08/25/15 15:14	08/29/15 16:33	10
4-Chlorophenyl phenyl ether	<530		2300	530	ug/Kg	☼	08/25/15 15:14	08/29/15 16:33	10
4-Nitroaniline	<1900		4500	1900	ug/Kg	☼	08/25/15 15:14	08/29/15 16:33	10
4-Nitrophenol	<4300		9200	4300	ug/Kg	☼	08/25/15 15:14	08/29/15 16:33	10
Acenaphthene	<82		450	82	ug/Kg	☼	08/25/15 15:14	08/29/15 16:33	10
Acenaphthylene	<60		450	60	ug/Kg	☼	08/25/15 15:14	08/29/15 16:33	10
Anthracene	**300**	**J**	450	76	ug/Kg	☼	08/25/15 15:14	08/29/15 16:33	10
Benzo[a]anthracene	**680**		450	61	ug/Kg	☼	08/25/15 15:14	08/29/15 16:33	10
Benzo[a]pyrene	**430**	**J**	450	88	ug/Kg	☼	08/25/15 15:14	08/29/15 16:33	10
Benzo[b]fluoranthene	**520**		450	98	ug/Kg	☼	08/25/15 15:14	08/29/15 16:33	10
Benzo[g,h,i]perylene	<150		450	150	ug/Kg	☼	08/25/15 15:14	08/29/15 16:33	10
Benzo[k]fluoranthene	**230**	**J**	450	130	ug/Kg	☼	08/25/15 15:14	08/29/15 16:33	10
Benzoic acid	<4500	*	23000	4500	ug/Kg	☼	08/25/15 15:14	08/29/15 16:33	10
Benzyl alcohol	<1400		4500	1400	ug/Kg	☼	08/25/15 15:14	08/29/15 16:33	10
Bis(2-chloroethoxy)methane	<460		2300	460	ug/Kg	☼	08/25/15 15:14	08/29/15 16:33	10
Bis(2-chloroethyl)ether	<680		2300	680	ug/Kg	☼	08/25/15 15:14	08/29/15 16:33	10
Bis(2-ethylhexyl) phthalate	<830		2300	830	ug/Kg	☼	08/25/15 15:14	08/29/15 16:33	10
Butyl benzyl phthalate	<860		2300	860	ug/Kg	☼	08/25/15 15:14	08/29/15 16:33	10
Carbazole	<1100		2300	1100	ug/Kg	☼	08/25/15 15:14	08/29/15 16:33	10
Chrysene	**900**		450	120	ug/Kg	☼	08/25/15 15:14	08/29/15 16:33	10
Dibenz(a,h)anthracene	<88		450	88	ug/Kg	☼	08/25/15 15:14	08/29/15 16:33	10
Dibenzofuran	<530		2300	530	ug/Kg	☼	08/25/15 15:14	08/29/15 16:33	10
Diethyl phthalate	<770		2300	770	ug/Kg	☼	08/25/15 15:14	08/29/15 16:33	10
Dimethyl phthalate	<590		2300	590	ug/Kg	☼	08/25/15 15:14	08/29/15 16:33	10
Di-n-butyl phthalate	<690		2300	690	ug/Kg	☼	08/25/15 15:14	08/29/15 16:33	10
Di-n-octyl phthalate	<740		2300	740	ug/Kg	☼	08/25/15 15:14	08/29/15 16:33	10
Fluoranthene	**1200**		450	84	ug/Kg	☼	08/25/15 15:14	08/29/15 16:33	10
Fluorene	**72**	**J**	450	64	ug/Kg	☼	08/25/15 15:14	08/29/15 16:33	10
Hexachlorobenzene	<110		920	110	ug/Kg	☼	08/25/15 15:14	08/29/15 16:33	10
Hexachlorobutadiene	<710		2300	710	ug/Kg	☼	08/25/15 15:14	08/29/15 16:33	10
Hexachlorocyclopentadiene	<2600		9200	2600	ug/Kg	☼	08/25/15 15:14	08/29/15 16:33	10
Hexachloroethane	<690		2300	690	ug/Kg	☼	08/25/15 15:14	08/29/15 16:33	10
Indeno[1,2,3-cd]pyrene	<120		450	120	ug/Kg	☼	08/25/15 15:14	08/29/15 16:33	10
Isophorone	<510		2300	510	ug/Kg	☼	08/25/15 15:14	08/29/15 16:33	10
Naphthalene	<70		450	70	ug/Kg	☼	08/25/15 15:14	08/29/15 16:33	10
Nitrobenzene	<110		450	110	ug/Kg	☼	08/25/15 15:14	08/29/15 16:33	10
N-Nitrosodi-n-propylamine	<550		2300	550	ug/Kg	☼	08/25/15 15:14	08/29/15 16:33	10
N-Nitrosodiphenylamine	<540		2300	540	ug/Kg	☼	08/25/15 15:14	08/29/15 16:33	10
Pentachlorophenol	<7300		9200	7300	ug/Kg	☼	08/25/15 15:14	08/29/15 16:33	10
Phenanthrene	**1700**		450	63	ug/Kg	☼	08/25/15 15:14	08/29/15 16:33	10
Phenol	<1000		2300	1000	ug/Kg	☼	08/25/15 15:14	08/29/15 16:33	10
Pyrene	**1800**		450	90	ug/Kg	☼	08/25/15 15:14	08/29/15 16:33	10

Client Sample ID: Interior Pipe Crust 71+50/7'

Lab Sample ID: 500-100240-4

Date Collected: 08/20/15 12:15
Matrix: Solid
Date Received: 08/21/15 09:40
Percent Solids: 72.7

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	82		35 - 137	08/25/15 15:14	08/29/15 16:33	10
2-Fluorobiphenyl	73		25 - 119	08/25/15 15:14	08/29/15 16:33	10
2-Fluorophenol (Surr)	67		25 - 110	08/25/15 15:14	08/29/15 16:33	10
Nitrobenzene-d5 (Surr)	66		25 - 115	08/25/15 15:14	08/29/15 16:33	10
Phenol-d5 (Surr)	79		31 - 110	08/25/15 15:14	08/29/15 16:33	10
Terphenyl-d14 (Surr)	144	X	36 - 134	08/25/15 15:14	08/29/15 16:33	10

Client Sample ID: Exterior Pipe Crust A 71+50/7'

Lab Sample ID: 500-100240-5

Date Collected: 08/20/15 12:40
Matrix: Solid
Date Received: 08/21/15 09:40
Percent Solids: 72.8

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.3		6.0	1.3	ug/Kg	☼	08/21/15 14:40	08/27/15 12:38	1
Bromobenzene	<1.4		6.0	1.4	ug/Kg	☼	08/21/15 14:40	08/27/15 12:38	1
Bromochloromethane	<1.2		6.0	1.2	ug/Kg	☼	08/21/15 14:40	08/27/15 12:38	1
Bromodichloromethane	<1.0		6.0	1.0	ug/Kg	☼	08/21/15 14:40	08/27/15 12:38	1
Bromoform	<1.2		6.0	1.2	ug/Kg	☼	08/21/15 14:40	08/27/15 12:38	1
Bromomethane	<2.2	*	6.0	2.2	ug/Kg	☼	08/21/15 14:40	08/27/15 12:38	1
Carbon tetrachloride	<1.3		6.0	1.3	ug/Kg	☼	08/21/15 14:40	08/27/15 12:38	1
Chlorobenzene	<1.4		6.0	1.4	ug/Kg	☼	08/21/15 14:40	08/27/15 12:38	1
Chloroethane	<2.5		6.0	2.5	ug/Kg	☼	08/21/15 14:40	08/27/15 12:38	1
Chloroform	<1.2		6.0	1.2	ug/Kg	☼	08/21/15 14:40	08/27/15 12:38	1
Chloromethane	<1.4	*	6.0	1.4	ug/Kg	☼	08/21/15 14:40	08/27/15 12:38	1
2-Chlorotoluene	<1.4		6.0	1.4	ug/Kg	☼	08/21/15 14:40	08/27/15 12:38	1
4-Chlorotoluene	<1.6		6.0	1.6	ug/Kg	☼	08/21/15 14:40	08/27/15 12:38	1
cis-1,2-Dichloroethene	<1.2		6.0	1.2	ug/Kg	☼	08/21/15 14:40	08/27/15 12:38	1
cis-1,3-Dichloropropene	<1.4		6.0	1.4	ug/Kg	☼	08/21/15 14:40	08/27/15 12:38	1
Dibromochloromethane	<0.69		6.0	0.69	ug/Kg	☼	08/21/15 14:40	08/27/15 12:38	1
1,2-Dibromo-3-Chloropropane	<2.6		6.0	2.6	ug/Kg	☼	08/21/15 14:40	08/27/15 12:38	1
1,2-Dibromoethane	<1.5		6.0	1.5	ug/Kg	☼	08/21/15 14:40	08/27/15 12:38	1
Dibromomethane	<1.6		6.0	1.6	ug/Kg	☼	08/21/15 14:40	08/27/15 12:38	1
1,2-Dichlorobenzene	<1.4		6.0	1.4	ug/Kg	☼	08/21/15 14:40	08/27/15 12:38	1
1,3-Dichlorobenzene	<1.8		6.0	1.8	ug/Kg	☼	08/21/15 14:40	08/27/15 12:38	1
1,4-Dichlorobenzene	<1.3		6.0	1.3	ug/Kg	☼	08/21/15 14:40	08/27/15 12:38	1
Dichlorodifluoromethane	<2.0		6.0	2.0	ug/Kg	☼	08/21/15 14:40	08/27/15 12:38	1
1,1-Dichloroethane	<1.2		6.0	1.2	ug/Kg	☼	08/21/15 14:40	08/27/15 12:38	1
1,2-Dichloroethane	<0.89		6.0	0.89	ug/Kg	☼	08/21/15 14:40	08/27/15 12:38	1
1,1-Dichloroethene	<2.2		6.0	2.2	ug/Kg	☼	08/21/15 14:40	08/27/15 12:38	1
1,2-Dichloropropane	<1.6		6.0	1.6	ug/Kg	☼	08/21/15 14:40	08/27/15 12:38	1
1,3-Dichloropropane	<1.2		6.0	1.2	ug/Kg	☼	08/21/15 14:40	08/27/15 12:38	1
2,2-Dichloropropane	<12		24	12	ug/Kg	☼	08/21/15 14:40	08/27/15 12:38	1
1,1-Dichloropropene	<1.9		6.0	1.9	ug/Kg	☼	08/21/15 14:40	08/27/15 12:38	1
Ethylbenzene	**59**		6.0	1.5	ug/Kg	☼	08/21/15 14:40	08/27/15 12:38	1
Hexachlorobutadiene	<1.9		6.0	1.9	ug/Kg	☼	08/21/15 14:40	08/27/15 12:38	1
Isopropylbenzene	<1.6		6.0	1.6	ug/Kg	☼	08/21/15 14:40	08/27/15 12:38	1
Isopropyl ether	<1.3		6.0	1.3	ug/Kg	☼	08/21/15 14:40	08/27/15 12:38	1
Methylene Chloride	<4.5		6.0	4.5	ug/Kg	☼	08/21/15 14:40	08/27/15 12:38	1
Methyl tert-butyl ether	<1.4		6.0	1.4	ug/Kg	☼	08/21/15 14:40	08/27/15 12:38	1
Naphthalene	**6.4**		6.0	2.7	ug/Kg	☼	08/21/15 14:40	08/27/15 12:38	1

Client: SCS Engineers
Project/Site: James Park 25214107

TestAmerica Job ID: 500-100240-1

Client Sample ID: Exterior Pipe Crust A 71+50/7'
Date Collected: 08/20/15 12:40
Date Received: 08/21/15 09:40

Lab Sample ID: 500-100240-5
Matrix: Solid
Percent Solids: 72.8

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	<2.0		6.0	2.0	ug/Kg	☼	08/21/15 14:40	08/27/15 12:38	1
N-Propylbenzene	<1.7		6.0	1.7	ug/Kg	☼	08/21/15 14:40	08/27/15 12:38	1
p-Isopropyltoluene	<1.8		6.0	1.8	ug/Kg	☼	08/21/15 14:40	08/27/15 12:38	1
sec-Butylbenzene	<1.9		6.0	1.9	ug/Kg	☼	08/21/15 14:40	08/27/15 12:38	1
Styrene	<1.4		6.0	1.4	ug/Kg	☼	08/21/15 14:40	08/27/15 12:38	1
tert-Butylbenzene	<1.5		6.0	1.5	ug/Kg	☼	08/21/15 14:40	08/27/15 12:38	1
1,1,1,2-Tetrachloroethane	<1.4		6.0	1.4	ug/Kg	☼	08/21/15 14:40	08/27/15 12:38	1
1,1,2,2-Tetrachloroethane	<0.95		6.0	0.95	ug/Kg	☼	08/21/15 14:40	08/27/15 12:38	1
Tetrachloroethene	<1.2		6.0	1.2	ug/Kg	☼	08/21/15 14:40	08/27/15 12:38	1
Toluene	<2.1		6.0	2.1	ug/Kg	☼	08/21/15 14:40	08/27/15 12:38	1
trans-1,2-Dichloroethene	<1.5		6.0	1.5	ug/Kg	☼	08/21/15 14:40	08/27/15 12:38	1
trans-1,3-Dichloropropene	<1.7		6.0	1.7	ug/Kg	☼	08/21/15 14:40	08/27/15 12:38	1
1,2,3-Trichlorobenzene	<2.6		6.0	2.6	ug/Kg	☼	08/21/15 14:40	08/27/15 12:38	1
1,2,4-Trichlorobenzene	<2.4		6.0	2.4	ug/Kg	☼	08/21/15 14:40	08/27/15 12:38	1
1,1,1-Trichloroethane	<1.4		6.0	1.4	ug/Kg	☼	08/21/15 14:40	08/27/15 12:38	1
1,1,2-Trichloroethane	<1.2		6.0	1.2	ug/Kg	☼	08/21/15 14:40	08/27/15 12:38	1
Trichloroethene	<1.6		6.0	1.6	ug/Kg	☼	08/21/15 14:40	08/27/15 12:38	1
Trichlorofluoromethane	<1.4		6.0	1.4	ug/Kg	☼	08/21/15 14:40	08/27/15 12:38	1
1,2,3-Trichloropropane	<2.0		6.0	2.0	ug/Kg	☼	08/21/15 14:40	08/27/15 12:38	1
1,2,4-Trimethylbenzene	<1.5		6.0	1.5	ug/Kg	☼	08/21/15 14:40	08/27/15 12:38	1
1,3,5-Trimethylbenzene	<1.7		6.0	1.7	ug/Kg	☼	08/21/15 14:40	08/27/15 12:38	1
Vinyl chloride	<1.4		6.0	1.4	ug/Kg	☼	08/21/15 14:40	08/27/15 12:38	1
Xylenes, Total	**79**		12	2.2	ug/Kg	☼	08/21/15 14:40	08/27/15 12:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*70 - 122*	*08/21/15 14:40*	*08/27/15 12:38*	*1*
Dibromofluoromethane	*104*		*75 - 120*	*08/21/15 14:40*	*08/27/15 12:38*	*1*
1,2-Dichloroethane-d4 (Surr)	*118*		*70 - 134*	*08/21/15 14:40*	*08/27/15 12:38*	*1*
Toluene-d8 (Surr)	*114*		*75 - 122*	*08/21/15 14:40*	*08/27/15 12:38*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<480		2300	480	ug/Kg	☼	08/25/15 15:14	08/28/15 19:49	10
1,2-Dichlorobenzene	<540		2300	540	ug/Kg	☼	08/25/15 15:14	08/28/15 19:49	10
1,3-Dichlorobenzene	<510		2300	510	ug/Kg	☼	08/25/15 15:14	08/28/15 19:49	10
1,4-Dichlorobenzene	<580		2300	580	ug/Kg	☼	08/25/15 15:14	08/28/15 19:49	10
1-Methylnaphthalene	**910**		450	110	ug/Kg	☼	08/25/15 15:14	08/28/15 19:49	10
2,2'-oxybis[1-chloropropane]	<520		2300	520	ug/Kg	☼	08/25/15 15:14	08/28/15 19:49	10
2,4,5-Trichlorophenol	<1000		4500	1000	ug/Kg	☼	08/25/15 15:14	08/28/15 19:49	10
2,4,6-Trichlorophenol	<1500		4500	1500	ug/Kg	☼	08/25/15 15:14	08/28/15 19:49	10
2,4-Dichlorophenol	<1100		4500	1100	ug/Kg	☼	08/25/15 15:14	08/28/15 19:49	10
2,4-Dimethylphenol	<1700		4500	1700	ug/Kg	☼	08/25/15 15:14	08/28/15 19:49	10
2,4-Dinitrophenol	<7900		9100	7900	ug/Kg	☼	08/25/15 15:14	08/28/15 19:49	10
2,4-Dinitrotoluene	<710		2300	710	ug/Kg	☼	08/25/15 15:14	08/28/15 19:49	10
2,6-Dinitrotoluene	<880		2300	880	ug/Kg	☼	08/25/15 15:14	08/28/15 19:49	10
2-Chloronaphthalene	<500		2300	500	ug/Kg	☼	08/25/15 15:14	08/28/15 19:49	10
2-Chlorophenol	<770		2300	770	ug/Kg	☼	08/25/15 15:14	08/28/15 19:49	10
2-Methylnaphthalene	**1200**		450	83	ug/Kg	☼	08/25/15 15:14	08/28/15 19:49	10
2-Methylphenol	<720		2300	720	ug/Kg	☼	08/25/15 15:14	08/28/15 19:49	10
2-Nitroaniline	<610		2300	610	ug/Kg	☼	08/25/15 15:14	08/28/15 19:49	10

Client Sample ID: Exterior Pipe Crust A 71+50/7'
Date Collected: 08/20/15 12:40
Date Received: 08/21/15 09:40

Lab Sample ID: 500-100240-5
Matrix: Solid
Percent Solids: 72.8

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitrophenol	<1100		4500	1100	ug/Kg	☼	08/25/15 15:14	08/28/15 19:49	10
3 & 4 Methylphenol	**820**	**J**	2300	750	ug/Kg	☼	08/25/15 15:14	08/28/15 19:49	10
3,3'-Dichlorobenzidine	<630		2300	630	ug/Kg	☼	08/25/15 15:14	08/28/15 19:49	10
3-Nitroaniline	<1400		4500	1400	ug/Kg	☼	08/25/15 15:14	08/28/15 19:49	10
4,6-Dinitro-2-methylphenol	<3600		4500	3600	ug/Kg	☼	08/25/15 15:14	08/28/15 19:49	10
4-Bromophenyl phenyl ether	<590		2300	590	ug/Kg	☼	08/25/15 15:14	08/28/15 19:49	10
4-Chloro-3-methylphenol	<1500		4500	1500	ug/Kg	☼	08/25/15 15:14	08/28/15 19:49	10
4-Chloroaniline	<2100		9100	2100	ug/Kg	☼	08/25/15 15:14	08/28/15 19:49	10
4-Chlorophenyl phenyl ether	<530		2300	530	ug/Kg	☼	08/25/15 15:14	08/28/15 19:49	10
4-Nitroaniline	<1900		4500	1900	ug/Kg	☼	08/25/15 15:14	08/28/15 19:49	10
4-Nitrophenol	<4300		9100	4300	ug/Kg	☼	08/25/15 15:14	08/28/15 19:49	10
Acenaphthene	**880**		450	81	ug/Kg	☼	08/25/15 15:14	08/28/15 19:49	10
Acenaphthylene	**12000**		450	59	ug/Kg	☼	08/25/15 15:14	08/28/15 19:49	10
Benzoic acid	<4500	*	23000	4500	ug/Kg	☼	08/25/15 15:14	08/28/15 19:49	10
Benzyl alcohol	<1300		4500	1300	ug/Kg	☼	08/25/15 15:14	08/28/15 19:49	10
Bis(2-chloroethoxy)methane	<460		2300	460	ug/Kg	☼	08/25/15 15:14	08/28/15 19:49	10
Bis(2-chloroethyl)ether	<670		2300	670	ug/Kg	☼	08/25/15 15:14	08/28/15 19:49	10
Bis(2-ethylhexyl) phthalate	<820		2300	820	ug/Kg	☼	08/25/15 15:14	08/28/15 19:49	10
Butyl benzyl phthalate	<860		2300	860	ug/Kg	☼	08/25/15 15:14	08/28/15 19:49	10
Carbazole	**9000**		2300	1100	ug/Kg	☼	08/25/15 15:14	08/28/15 19:49	10
Dibenzofuran	**3900**		2300	530	ug/Kg	☼	08/25/15 15:14	08/28/15 19:49	10
Diethyl phthalate	<760		2300	760	ug/Kg	☼	08/25/15 15:14	08/28/15 19:49	10
Dimethyl phthalate	<590		2300	590	ug/Kg	☼	08/25/15 15:14	08/28/15 19:49	10
Di-n-butyl phthalate	<690		2300	690	ug/Kg	☼	08/25/15 15:14	08/28/15 19:49	10
Di-n-octyl phthalate	<730		2300	730	ug/Kg	☼	08/25/15 15:14	08/28/15 19:49	10
Fluorene	**10000**		450	63	ug/Kg	☼	08/25/15 15:14	08/28/15 19:49	10
Hexachlorobenzene	<100		910	100	ug/Kg	☼	08/25/15 15:14	08/28/15 19:49	10
Hexachlorobutadiene	<710		2300	710	ug/Kg	☼	08/25/15 15:14	08/28/15 19:49	10
Hexachlorocyclopentadiene	<2600		9100	2600	ug/Kg	☼	08/25/15 15:14	08/28/15 19:49	10
Hexachloroethane	<680		2300	680	ug/Kg	☼	08/25/15 15:14	08/28/15 19:49	10
Isophorone	<510		2300	510	ug/Kg	☼	08/25/15 15:14	08/28/15 19:49	10
Naphthalene	**4200**		450	69	ug/Kg	☼	08/25/15 15:14	08/28/15 19:49	10
Nitrobenzene	<110		450	110	ug/Kg	☼	08/25/15 15:14	08/28/15 19:49	10
N-Nitrosodi-n-propylamine	<550		2300	550	ug/Kg	☼	08/25/15 15:14	08/28/15 19:49	10
N-Nitrosodiphenylamine	<530		2300	530	ug/Kg	☼	08/25/15 15:14	08/28/15 19:49	10
Pentachlorophenol	<7200		9100	7200	ug/Kg	☼	08/25/15 15:14	08/28/15 19:49	10
Phenol	<1000		2300	1000	ug/Kg	☼	08/25/15 15:14	08/28/15 19:49	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*101*		*35 - 137*	*08/25/15 15:14*	*08/28/15 19:49*	*10*
2-Fluorobiphenyl	*95*		*25 - 119*	*08/25/15 15:14*	*08/28/15 19:49*	*10*
2-Fluorophenol (Surr)	*120*	*X*	*25 - 110*	*08/25/15 15:14*	*08/28/15 19:49*	*10*
Nitrobenzene-d5 (Surr)	*81*		*25 - 115*	*08/25/15 15:14*	*08/28/15 19:49*	*10*
Phenol-d5 (Surr)	*84*		*31 - 110*	*08/25/15 15:14*	*08/28/15 19:49*	*10*
Terphenyl-d14 (Surr)	*209*	*X*	*36 - 134*	*08/25/15 15:14*	*08/28/15 19:49*	*10*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	**190000**		22000	3800	ug/Kg	☼	08/25/15 15:14	08/31/15 14:12	500
Benzo[a]anthracene	**390000**		22000	3000	ug/Kg	☼	08/25/15 15:14	08/31/15 14:12	500

Client: SCS Engineers
Project/Site: James Park 25214107

TestAmerica Job ID: 500-100240-1

Client Sample ID: Exterior Pipe Crust A 71+50/7'
Date Collected: 08/20/15 12:40
Date Received: 08/21/15 09:40

Lab Sample ID: 500-100240-5
Matrix: Solid
Percent Solids: 72.8

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	350000		22000	4400	ug/Kg	☼	08/25/15 15:14	08/31/15 14:12	500
Benzo[b]fluoranthene	430000		22000	4900	ug/Kg	☼	08/25/15 15:14	08/31/15 14:12	500
Benzo[g,h,i]perylene	140000		22000	7200	ug/Kg	☼	08/25/15 15:14	08/31/15 14:12	500
Benzo[k]fluoranthene	150000		22000	6600	ug/Kg	☼	08/25/15 15:14	08/31/15 14:12	500
Chrysene	370000		22000	6100	ug/Kg	☼	08/25/15 15:14	08/31/15 14:12	500
Dibenz(a,h)anthracene	14000	J	22000	4300	ug/Kg	☼	08/25/15 15:14	08/31/15 14:12	500
Fluoranthene	870000		22000	4200	ug/Kg	☼	08/25/15 15:14	08/31/15 14:12	500
Indeno[1,2,3-cd]pyrene	160000		22000	5800	ug/Kg	☼	08/25/15 15:14	08/31/15 14:12	500
Phenanthrene	560000		22000	3100	ug/Kg	☼	08/25/15 15:14	08/31/15 14:12	500
Pyrene	740000		22000	4500	ug/Kg	☼	08/25/15 15:14	08/31/15 14:12	500

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*0*	*D*	*35 - 137*	*08/25/15 15:14*	*08/31/15 14:12*	*500*
2-Fluorobiphenyl	*0*	*D*	*25 - 119*	*08/25/15 15:14*	*08/31/15 14:12*	*500*
2-Fluorophenol (Surr)	*0*	*D*	*25 - 110*	*08/25/15 15:14*	*08/31/15 14:12*	*500*
Nitrobenzene-d5 (Surr)	*0*	*D*	*25 - 115*	*08/25/15 15:14*	*08/31/15 14:12*	*500*
Phenol-d5 (Surr)	*0*	*D*	*31 - 110*	*08/25/15 15:14*	*08/31/15 14:12*	*500*
Terphenyl-d14 (Surr)	*0*	*D*	*36 - 134*	*08/25/15 15:14*	*08/31/15 14:12*	*500*

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
*	LCS or LCSD is outside acceptance limits.
D	Sample results are obtained from a dilution; the surrogate or matrix spike recoveries reported are calculated from diluted samples.
X	Surrogate is outside control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

GC/MS VOA

Prep Batch: 301260

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-100240-3	71+50/8'	Total/NA	Solid	5035	

Prep Batch: 301301

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-100240-1	Exterior Pipe Crust 71+50/7'	Total/NA	Solid	5035	
500-100240-2	71+50/7'	Total/NA	Solid	5035	
500-100240-4	Interior Pipe Crust 71+50/7'	Total/NA	Solid	5035	
500-100240-5	Exterior Pipe Crust A 71+50/7'	Total/NA	Solid	5035	

Analysis Batch: 301883

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-100240-3	71+50/8'	Total/NA	Solid	8260B	301260
LCS 500-301883/4	Lab Control Sample	Total/NA	Solid	8260B	
MB 500-301883/6	Method Blank	Total/NA	Solid	8260B	

Analysis Batch: 301884

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-100240-1	Exterior Pipe Crust 71+50/7'	Total/NA	Solid	8260B	301301
500-100240-2	71+50/7'	Total/NA	Solid	8260B	301301
500-100240-4	Interior Pipe Crust 71+50/7'	Total/NA	Solid	8260B	301301
500-100240-5	Exterior Pipe Crust A 71+50/7'	Total/NA	Solid	8260B	301301
LCS 500-301884/4	Lab Control Sample	Total/NA	Solid	8260B	
MB 500-301884/6	Method Blank	Total/NA	Solid	8260B	

GC/MS Semi VOA

Prep Batch: 301616

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-100240-1	Exterior Pipe Crust 71+50/7'	Total/NA	Solid	3541	
500-100240-1 - DL	Exterior Pipe Crust 71+50/7'	Total/NA	Solid	3541	
500-100240-2	71+50/7'	Total/NA	Solid	3541	
500-100240-3	71+50/8'	Total/NA	Solid	3541	
500-100240-4	Interior Pipe Crust 71+50/7'	Total/NA	Solid	3541	
500-100240-5	Exterior Pipe Crust A 71+50/7'	Total/NA	Solid	3541	
500-100240-5 - DL	Exterior Pipe Crust A 71+50/7'	Total/NA	Solid	3541	
LCS 500-301616/2-A	Lab Control Sample	Total/NA	Solid	3541	
MB 500-301616/1-A	Method Blank	Total/NA	Solid	3541	

Analysis Batch: 301723

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 500-301616/2-A	Lab Control Sample	Total/NA	Solid	8270D	301616
MB 500-301616/1-A	Method Blank	Total/NA	Solid	8270D	301616

Analysis Batch: 302108

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-100240-1	Exterior Pipe Crust 71+50/7'	Total/NA	Solid	8270D	301616
500-100240-2	71+50/7'	Total/NA	Solid	8270D	301616
500-100240-3	71+50/8'	Total/NA	Solid	8270D	301616
500-100240-5	Exterior Pipe Crust A 71+50/7'	Total/NA	Solid	8270D	301616

GC/MS Semi VOA (Continued)

Analysis Batch: 302243

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-100240-1 - DL	Exterior Pipe Crust 71+50/7'	Total/NA	Solid	8270D	301616
500-100240-4	Interior Pipe Crust 71+50/7'	Total/NA	Solid	8270D	301616

Analysis Batch: 302328

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-100240-5 - DL	Exterior Pipe Crust A 71+50/7'	Total/NA	Solid	8270D	301616

General Chemistry

Analysis Batch: 301397

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-100240-1	Exterior Pipe Crust 71+50/7'	Total/NA	Solid	Moisture	
500-100240-2	71+50/7'	Total/NA	Solid	Moisture	
500-100240-3	71+50/8'	Total/NA	Solid	Moisture	
500-100240-4	Interior Pipe Crust 71+50/7'	Total/NA	Solid	Moisture	
500-100240-5	Exterior Pipe Crust A 71+50/7'	Total/NA	Solid	Moisture	

Surrogate Summary

Client: SCS Engineers
Project/Site: James Park 25214107

TestAmerica Job ID: 500-100240-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		BFB	DBFM	12DCE	TOL
Lab Sample ID	Client Sample ID	(70-122)	(75-120)	(70-134)	(75-122)
500-100240-1	Exterior Pipe Crust 71+50/7'	115	103	113	116
500-100240-2	71+50/7'	113	102	114	113
500-100240-4	Interior Pipe Crust 71+50/7'	115	101	111	117
500-100240-5	Exterior Pipe Crust A 71+50/7'	116	104	118	114
LCS 500-301884/4	Lab Control Sample	121	97	103	118
MB 500-301884/6	Method Blank	114	102	109	116

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane
12DCE = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		BFB	DBFM	12DCE	TOL
Lab Sample ID	Client Sample ID	(75-120)	(75-120)	(75-125)	(75-120)
500-100240-3	71+50/8'	95	106	101	105
LCS 500-301883/4	Lab Control Sample	101	98	92	102
MB 500-301883/6	Method Blank	89	105	99	107

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane
12DCE = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL	TPH
Lab Sample ID	Client Sample ID	(35-137)	(25-119)	(25-110)	(25-115)	(31-110)	(36-134)
500-100240-1	Exterior Pipe Crust 71+50/7'	90	77	101	66	68	131
500-100240-1 - DL	Exterior Pipe Crust 71+50/7'	0 D	0 D	0 D	0 D	0 D	0 D
500-100240-2	71+50/7'	82	67	65	69	72	97
500-100240-3	71+50/8'	93	71	86	69	71	117
500-100240-4	Interior Pipe Crust 71+50/7'	82	73	67	66	79	144 X
500-100240-5	Exterior Pipe Crust A 71+50/7'	101	95	120 X	81	84	209 X
500-100240-5 - DL	Exterior Pipe Crust A 71+50/7'	0 D	0 D	0 D	0 D	0 D	0 D
LCS 500-301616/2-A	Lab Control Sample	91	93	88	90	87	102
MB 500-301616/1-A	Method Blank	82	98	103	88	94	99

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)

Surrogate Summary

Client: SCS Engineers
Project/Site: James Park 25214107

TestAmerica Job ID: 500-100240-1

PHL = Phenol-d5 (Surr)
TPH = Terphenyl-d14 (Surr)

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 500-301883/6
Matrix: Solid
Analysis Batch: 301883

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.074		0.25	0.074	ug/Kg			08/27/15 12:36	1
Bromobenzene	<0.43		2.0	0.43	ug/Kg			08/27/15 12:36	1
Bromochloromethane	<0.38		2.0	0.38	ug/Kg			08/27/15 12:36	1
Bromodichloromethane	<0.34		2.0	0.34	ug/Kg			08/27/15 12:36	1
Bromoform	<0.44		2.0	0.44	ug/Kg			08/27/15 12:36	1
Bromomethane	<0.68		2.0	0.68	ug/Kg			08/27/15 12:36	1
Carbon tetrachloride	<0.26		1.0	0.26	ug/Kg			08/27/15 12:36	1
Chlorobenzene	<0.14		1.0	0.14	ug/Kg			08/27/15 12:36	1
Chloroethane	<0.44		2.0	0.44	ug/Kg			08/27/15 12:36	1
Chloroform	<0.21		1.0	0.21	ug/Kg			08/27/15 12:36	1
Chloromethane	<0.46		2.0	0.46	ug/Kg			08/27/15 12:36	1
2-Chlorotoluene	<0.21		1.0	0.21	ug/Kg			08/27/15 12:36	1
4-Chlorotoluene	<0.20		1.0	0.20	ug/Kg			08/27/15 12:36	1
cis-1,2-Dichloroethene	<0.12		1.0	0.12	ug/Kg			08/27/15 12:36	1
cis-1,3-Dichloropropene	<0.18		1.0	0.18	ug/Kg			08/27/15 12:36	1
Dibromochloromethane	<0.35		2.0	0.35	ug/Kg			08/27/15 12:36	1
1,2-Dibromo-3-Chloropropane	<0.87		2.0	0.87	ug/Kg			08/27/15 12:36	1
1,2-Dibromoethane	<0.31		2.0	0.31	ug/Kg			08/27/15 12:36	1
Dibromomethane	<0.48		2.0	0.48	ug/Kg			08/27/15 12:36	1
1,2-Dichlorobenzene	<0.21		2.0	0.21	ug/Kg			08/27/15 12:36	1
1,3-Dichlorobenzene	<0.26		2.0	0.26	ug/Kg			08/27/15 12:36	1
1,4-Dichlorobenzene	<0.17		2.0	0.17	ug/Kg			08/27/15 12:36	1
Dichlorodifluoromethane	<0.51		2.0	0.51	ug/Kg			08/27/15 12:36	1
1,1-Dichloroethane	<0.19		1.0	0.19	ug/Kg			08/27/15 12:36	1
1,2-Dichloroethane	<0.29		1.0	0.29	ug/Kg			08/27/15 12:36	1
1,1-Dichloroethene	<0.31		1.0	0.31	ug/Kg			08/27/15 12:36	1
1,2-Dichloropropane	<0.20		1.0	0.20	ug/Kg			08/27/15 12:36	1
1,3-Dichloropropane	<0.13		1.0	0.13	ug/Kg			08/27/15 12:36	1
2,2-Dichloropropane	<0.32		1.0	0.32	ug/Kg			08/27/15 12:36	1
1,1-Dichloropropene	<0.34		1.0	0.34	ug/Kg			08/27/15 12:36	1
Ethylbenzene	<0.13		0.25	0.13	ug/Kg			08/27/15 12:36	1
Hexachlorobutadiene	<0.35		2.0	0.35	ug/Kg			08/27/15 12:36	1
Isopropylbenzene	<0.25		2.0	0.25	ug/Kg			08/27/15 12:36	1
Isopropyl ether	<0.15		2.0	0.15	ug/Kg			08/27/15 12:36	1
Methylene Chloride	<0.68		5.0	0.68	ug/Kg			08/27/15 12:36	1
Methyl tert-butyl ether	<0.43		2.0	0.43	ug/Kg			08/27/15 12:36	1
Naphthalene	<0.49		2.0	0.49	ug/Kg			08/27/15 12:36	1
n-Butylbenzene	<0.13		1.0	0.13	ug/Kg			08/27/15 12:36	1
N-Propylbenzene	<0.18		2.0	0.18	ug/Kg			08/27/15 12:36	1
p-Isopropyltoluene	<0.19		2.0	0.19	ug/Kg			08/27/15 12:36	1
sec-Butylbenzene	<0.15		1.0	0.15	ug/Kg			08/27/15 12:36	1
Styrene	<0.099		1.0	0.099	ug/Kg			08/27/15 12:36	1
tert-Butylbenzene	<0.14		1.0	0.14	ug/Kg			08/27/15 12:36	1
1,1,1,2-Tetrachloroethane	<0.35		2.0	0.35	ug/Kg			08/27/15 12:36	1
1,1,2,2-Tetrachloroethane	<0.23		1.0	0.23	ug/Kg			08/27/15 12:36	1
Tetrachloroethene	<0.17		1.0	0.17	ug/Kg			08/27/15 12:36	1
Toluene	<0.12		0.25	0.12	ug/Kg			08/27/15 12:36	1
trans-1,2-Dichloroethene	<0.25		1.0	0.25	ug/Kg			08/27/15 12:36	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-301883/6
Matrix: Solid
Analysis Batch: 301883

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	<0.21		1.0	0.21	ug/Kg			08/27/15 12:36	1
1,2,3-Trichlorobenzene	<0.35		2.0	0.35	ug/Kg			08/27/15 12:36	1
1,2,4-Trichlorobenzene	<0.38		2.0	0.38	ug/Kg			08/27/15 12:36	1
1,1,1-Trichloroethane	<0.20		1.0	0.20	ug/Kg			08/27/15 12:36	1
1,1,2-Trichloroethane	<0.28		1.0	0.28	ug/Kg			08/27/15 12:36	1
Trichloroethene	<0.19		0.50	0.19	ug/Kg			08/27/15 12:36	1
Trichlorofluoromethane	<0.42		2.0	0.42	ug/Kg			08/27/15 12:36	1
1,2,3-Trichloropropane	<0.57		2.0	0.57	ug/Kg			08/27/15 12:36	1
1,2,4-Trimethylbenzene	<0.21		2.0	0.21	ug/Kg			08/27/15 12:36	1
1,3,5-Trimethylbenzene	<0.21		2.0	0.21	ug/Kg			08/27/15 12:36	1
Vinyl chloride	<0.10		0.25	0.10	ug/Kg			08/27/15 12:36	1
Xylenes, Total	<0.068		0.50	0.068	ug/Kg			08/27/15 12:36	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*75 - 120*		*08/27/15 12:36*	*1*
Dibromofluoromethane	*105*		*75 - 120*		*08/27/15 12:36*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*75 - 125*		*08/27/15 12:36*	*1*
Toluene-d8 (Surr)	*107*		*75 - 120*		*08/27/15 12:36*	*1*

Lab Sample ID: LCS 500-301883/4
Matrix: Solid
Analysis Batch: 301883

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	50.0	44.8		ug/Kg		90	70 - 120
Bromobenzene	50.0	51.4		ug/Kg		103	70 - 129
Bromochloromethane	50.0	43.6		ug/Kg		87	70 - 121
Bromodichloromethane	50.0	41.6		ug/Kg		83	70 - 127
Bromoform	50.0	47.1		ug/Kg		94	70 - 135
Bromomethane	50.0	35.9		ug/Kg		72	30 - 170
Carbon tetrachloride	50.0	41.9		ug/Kg		84	70 - 136
Chlorobenzene	50.0	47.4		ug/Kg		95	70 - 120
Chloroethane	50.0	47.3		ug/Kg		95	40 - 150
Chloroform	50.0	40.9		ug/Kg		82	70 - 120
Chloromethane	50.0	52.3		ug/Kg		105	45 - 140
2-Chlorotoluene	50.0	55.5		ug/Kg		111	70 - 128
4-Chlorotoluene	50.0	54.3		ug/Kg		109	70 - 127
cis-1,2-Dichloroethene	50.0	43.4		ug/Kg		87	70 - 120
cis-1,3-Dichloropropene	50.0	44.5		ug/Kg		89	70 - 122
Dibromochloromethane	50.0	47.0		ug/Kg		94	70 - 120
1,2-Dibromo-3-Chloropropane	50.0	50.7		ug/Kg		101	59 - 139
1,2-Dibromoethane	50.0	47.0		ug/Kg		94	70 - 124
Dibromomethane	50.0	40.8		ug/Kg		82	70 - 120
1,2-Dichlorobenzene	50.0	50.8		ug/Kg		102	70 - 123
1,3-Dichlorobenzene	50.0	49.9		ug/Kg		100	70 - 122
1,4-Dichlorobenzene	50.0	49.0		ug/Kg		98	70 - 120
Dichlorodifluoromethane	50.0	50.3		ug/Kg		101	30 - 150
1,1-Dichloroethane	50.0	43.1		ug/Kg		86	70 - 127

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-301883/4
Matrix: Solid
Analysis Batch: 301883

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dichloroethane	50.0	38.6		ug/Kg		77	66 - 132
1,1-Dichloroethene	50.0	43.2		ug/Kg		86	68 - 121
1,2-Dichloropropane	50.0	45.9		ug/Kg		92	70 - 127
1,3-Dichloropropane	50.0	48.9		ug/Kg		98	70 - 127
2,2-Dichloropropane	50.0	40.7		ug/Kg		81	68 - 120
1,1-Dichloropropene	50.0	45.4		ug/Kg		91	70 - 126
Ethylbenzene	50.0	51.4		ug/Kg		103	70 - 125
Hexachlorobutadiene	50.0	51.9		ug/Kg		104	70 - 138
Isopropylbenzene	50.0	56.6		ug/Kg		113	70 - 132
Methylene Chloride	50.0	44.9		ug/Kg		90	70 - 120
Methyl tert-butyl ether	50.0	41.2		ug/Kg		82	65 - 120
Naphthalene	50.0	48.6		ug/Kg		97	59 - 143
n-Butylbenzene	50.0	54.5		ug/Kg		109	70 - 129
N-Propylbenzene	50.0	57.3		ug/Kg		115	70 - 132
p-Isopropyltoluene	50.0	57.2		ug/Kg		114	70 - 133
sec-Butylbenzene	50.0	57.7		ug/Kg		115	70 - 134
Styrene	50.0	53.5		ug/Kg		107	70 - 120
tert-Butylbenzene	50.0	57.0		ug/Kg		114	70 - 137
1,1,1,2-Tetrachloroethane	50.0	47.6		ug/Kg		95	70 - 124
1,1,2,2-Tetrachloroethane	50.0	52.8		ug/Kg		106	68 - 133
Tetrachloroethene	50.0	45.8		ug/Kg		92	70 - 129
Toluene	50.0	47.3		ug/Kg		95	70 - 120
trans-1,2-Dichloroethene	50.0	43.9		ug/Kg		88	70 - 120
trans-1,3-Dichloropropene	50.0	48.0		ug/Kg		96	70 - 123
1,2,3-Trichlorobenzene	50.0	49.4		ug/Kg		99	70 - 133
1,2,4-Trichlorobenzene	50.0	45.3		ug/Kg		91	70 - 125
1,1,1-Trichloroethane	50.0	41.4		ug/Kg		83	70 - 125
1,1,2-Trichloroethane	50.0	49.3		ug/Kg		99	70 - 125
Trichloroethene	50.0	45.6		ug/Kg		91	70 - 122
Trichlorofluoromethane	50.0	42.0		ug/Kg		84	65 - 134
1,2,3-Trichloropropane	50.0	52.1		ug/Kg		104	53 - 139
1,2,4-Trimethylbenzene	50.0	56.4		ug/Kg		113	70 - 127
1,3,5-Trimethylbenzene	50.0	57.0		ug/Kg		114	70 - 129
Vinyl chloride	50.0	51.3		ug/Kg		103	63 - 127
Xylenes, Total	100	105		ug/Kg		105	70 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*75 - 120*
Dibromofluoromethane	*98*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*92*		*75 - 125*
Toluene-d8 (Surr)	*102*		*75 - 120*

Lab Sample ID: MB 500-301884/6
Matrix: Solid
Analysis Batch: 301884

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.1		5.0	1.1	ug/Kg			08/27/15 10:02	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-301884/6
Matrix: Solid
Analysis Batch: 301884

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromobenzene	<1.1		5.0	1.1	ug/Kg			08/27/15 10:02	1
Bromochloromethane	<0.97		5.0	0.97	ug/Kg			08/27/15 10:02	1
Bromodichloromethane	<0.84		5.0	0.84	ug/Kg			08/27/15 10:02	1
Bromoform	<1.0		5.0	1.0	ug/Kg			08/27/15 10:02	1
Bromomethane	<1.8		5.0	1.8	ug/Kg			08/27/15 10:02	1
Carbon tetrachloride	<1.1		5.0	1.1	ug/Kg			08/27/15 10:02	1
Chlorobenzene	<1.2		5.0	1.2	ug/Kg			08/27/15 10:02	1
Chloroethane	<2.1		5.0	2.1	ug/Kg			08/27/15 10:02	1
Chloroform	<0.98		5.0	0.98	ug/Kg			08/27/15 10:02	1
Chloromethane	<1.2		5.0	1.2	ug/Kg			08/27/15 10:02	1
2-Chlorotoluene	<1.2		5.0	1.2	ug/Kg			08/27/15 10:02	1
4-Chlorotoluene	<1.3		5.0	1.3	ug/Kg			08/27/15 10:02	1
cis-1,2-Dichloroethene	<1.0		5.0	1.0	ug/Kg			08/27/15 10:02	1
cis-1,3-Dichloropropene	<1.1		5.0	1.1	ug/Kg			08/27/15 10:02	1
Dibromochloromethane	<0.58		5.0	0.58	ug/Kg			08/27/15 10:02	1
1,2-Dibromo-3-Chloropropane	<2.1		5.0	2.1	ug/Kg			08/27/15 10:02	1
1,2-Dibromoethane	<1.3		5.0	1.3	ug/Kg			08/27/15 10:02	1
Dibromomethane	<1.4		5.0	1.4	ug/Kg			08/27/15 10:02	1
1,2-Dichlorobenzene	<1.2		5.0	1.2	ug/Kg			08/27/15 10:02	1
1,3-Dichlorobenzene	<1.5		5.0	1.5	ug/Kg			08/27/15 10:02	1
1,4-Dichlorobenzene	<1.1		5.0	1.1	ug/Kg			08/27/15 10:02	1
Dichlorodifluoromethane	<1.6		5.0	1.6	ug/Kg			08/27/15 10:02	1
1,1-Dichloroethane	<1.0		5.0	1.0	ug/Kg			08/27/15 10:02	1
1,2-Dichloroethane	<0.74		5.0	0.74	ug/Kg			08/27/15 10:02	1
1,1-Dichloroethene	<1.8		5.0	1.8	ug/Kg			08/27/15 10:02	1
1,2-Dichloropropane	<1.3		5.0	1.3	ug/Kg			08/27/15 10:02	1
1,3-Dichloropropane	<0.96		5.0	0.96	ug/Kg			08/27/15 10:02	1
2,2-Dichloropropane	<10		20	10	ug/Kg			08/27/15 10:02	1
1,1-Dichloropropene	<1.6		5.0	1.6	ug/Kg			08/27/15 10:02	1
Ethylbenzene	<1.2		5.0	1.2	ug/Kg			08/27/15 10:02	1
Hexachlorobutadiene	<1.6		5.0	1.6	ug/Kg			08/27/15 10:02	1
Isopropylbenzene	<1.4		5.0	1.4	ug/Kg			08/27/15 10:02	1
Isopropyl ether	<1.1		5.0	1.1	ug/Kg			08/27/15 10:02	1
Methylene Chloride	<3.8		5.0	3.8	ug/Kg			08/27/15 10:02	1
Methyl tert-butyl ether	<1.2		5.0	1.2	ug/Kg			08/27/15 10:02	1
Naphthalene	<2.2		5.0	2.2	ug/Kg			08/27/15 10:02	1
n-Butylbenzene	<1.7		5.0	1.7	ug/Kg			08/27/15 10:02	1
N-Propylbenzene	<1.5		5.0	1.5	ug/Kg			08/27/15 10:02	1
p-Isopropyltoluene	<1.5		5.0	1.5	ug/Kg			08/27/15 10:02	1
sec-Butylbenzene	<1.6		5.0	1.6	ug/Kg			08/27/15 10:02	1
Styrene	<1.2		5.0	1.2	ug/Kg			08/27/15 10:02	1
tert-Butylbenzene	<1.3		5.0	1.3	ug/Kg			08/27/15 10:02	1
1,1,1,2-Tetrachloroethane	<1.2		5.0	1.2	ug/Kg			08/27/15 10:02	1
1,1,2,2-Tetrachloroethane	<0.79		5.0	0.79	ug/Kg			08/27/15 10:02	1
Tetrachloroethene	<1.0		5.0	1.0	ug/Kg			08/27/15 10:02	1
Toluene	<1.7		5.0	1.7	ug/Kg			08/27/15 10:02	1
trans-1,2-Dichloroethene	<1.3		5.0	1.3	ug/Kg			08/27/15 10:02	1
trans-1,3-Dichloropropene	<1.4		5.0	1.4	ug/Kg			08/27/15 10:02	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-301884/6
Matrix: Solid
Analysis Batch: 301884

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<2.2		5.0	2.2	ug/Kg			08/27/15 10:02	1
1,2,4-Trichlorobenzene	<2.0		5.0	2.0	ug/Kg			08/27/15 10:02	1
1,1,1-Trichloroethane	<1.2		5.0	1.2	ug/Kg			08/27/15 10:02	1
1,1,2-Trichloroethane	<0.97		5.0	0.97	ug/Kg			08/27/15 10:02	1
Trichloroethene	<1.4		5.0	1.4	ug/Kg			08/27/15 10:02	1
Trichlorofluoromethane	<1.2		5.0	1.2	ug/Kg			08/27/15 10:02	1
1,2,3-Trichloropropane	<1.7		5.0	1.7	ug/Kg			08/27/15 10:02	1
1,2,4-Trimethylbenzene	<1.3		5.0	1.3	ug/Kg			08/27/15 10:02	1
1,3,5-Trimethylbenzene	<1.4		5.0	1.4	ug/Kg			08/27/15 10:02	1
Vinyl chloride	<1.2		5.0	1.2	ug/Kg			08/27/15 10:02	1
Xylenes, Total	<1.9		10	1.9	ug/Kg			08/27/15 10:02	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 122*		*08/27/15 10:02*	*1*
Dibromofluoromethane	*102*		*75 - 120*		*08/27/15 10:02*	*1*
1,2-Dichloroethane-d4 (Surr)	*109*		*70 - 134*		*08/27/15 10:02*	*1*
Toluene-d8 (Surr)	*116*		*75 - 122*		*08/27/15 10:02*	*1*

Lab Sample ID: LCS 500-301884/4
Matrix: Solid
Analysis Batch: 301884

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	50.0	48.3		ug/Kg		97	70 - 120
Bromobenzene	50.0	48.3		ug/Kg		97	70 - 121
Bromochloromethane	50.0	42.7		ug/Kg		85	70 - 120
Bromodichloromethane	50.0	45.6		ug/Kg		91	69 - 120
Bromoform	50.0	38.0		ug/Kg		76	51 - 127
Bromomethane	50.0	28.2	*	ug/Kg		56	69 - 120
Carbon tetrachloride	50.0	48.5		ug/Kg		97	51 - 124
Chlorobenzene	50.0	48.8		ug/Kg		98	70 - 120
Chloroethane	50.0	31.8		ug/Kg		64	49 - 125
Chloroform	50.0	49.2		ug/Kg		98	70 - 120
Chloromethane	50.0	64.7	*	ug/Kg		129	63 - 126
2-Chlorotoluene	50.0	53.8		ug/Kg		108	70 - 122
4-Chlorotoluene	50.0	52.1		ug/Kg		104	70 - 121
cis-1,2-Dichloroethene	50.0	47.4		ug/Kg		95	70 - 120
cis-1,3-Dichloropropene	50.0	50.8		ug/Kg		102	70 - 120
Dibromochloromethane	50.0	43.9		ug/Kg		88	69 - 126
1,2-Dibromo-3-Chloropropane	50.0	43.2		ug/Kg		86	59 - 150
1,2-Dibromoethane	50.0	44.7		ug/Kg		89	70 - 120
Dibromomethane	50.0	42.2		ug/Kg		84	70 - 120
1,2-Dichlorobenzene	50.0	49.8		ug/Kg		100	70 - 125
1,3-Dichlorobenzene	50.0	51.4		ug/Kg		103	70 - 123
1,4-Dichlorobenzene	50.0	50.8		ug/Kg		102	70 - 123
Dichlorodifluoromethane	50.0	61.3		ug/Kg		123	42 - 150
1,1-Dichloroethane	50.0	50.5		ug/Kg		101	70 - 120
1,2-Dichloroethane	50.0	47.5		ug/Kg		95	70 - 128

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-301884/4
Matrix: Solid
Analysis Batch: 301884

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	50.0	46.0		ug/Kg		92	67 - 120
1,2-Dichloropropane	50.0	48.1		ug/Kg		96	70 - 120
1,3-Dichloropropane	50.0	47.2		ug/Kg		94	70 - 120
2,2-Dichloropropane	50.0	46.6		ug/Kg		93	41 - 120
1,1-Dichloropropene	50.0	54.2		ug/Kg		108	70 - 120
Ethylbenzene	50.0	49.9		ug/Kg		100	70 - 120
Hexachlorobutadiene	50.0	60.1		ug/Kg		120	70 - 133
Isopropylbenzene	50.0	51.9		ug/Kg		104	70 - 125
Methylene Chloride	50.0	47.2		ug/Kg		94	70 - 120
Methyl tert-butyl ether	50.0	45.2		ug/Kg		90	70 - 120
Naphthalene	50.0	43.1		ug/Kg		86	70 - 126
n-Butylbenzene	50.0	53.1		ug/Kg		106	70 - 120
N-Propylbenzene	50.0	53.8		ug/Kg		108	70 - 123
p-Isopropyltoluene	50.0	51.4		ug/Kg		103	70 - 121
sec-Butylbenzene	50.0	52.5		ug/Kg		105	70 - 123
Styrene	50.0	47.9		ug/Kg		96	70 - 120
tert-Butylbenzene	50.0	52.5		ug/Kg		105	70 - 121
1,1,1,2-Tetrachloroethane	50.0	50.3		ug/Kg		101	70 - 120
1,1,2,2-Tetrachloroethane	50.0	43.7		ug/Kg		87	70 - 133
Tetrachloroethene	50.0	52.4		ug/Kg		105	70 - 120
Toluene	50.0	51.9		ug/Kg		104	70 - 120
trans-1,2-Dichloroethene	50.0	46.6		ug/Kg		93	70 - 120
trans-1,3-Dichloropropene	50.0	50.8		ug/Kg		102	68 - 121
1,2,3-Trichlorobenzene	50.0	49.8		ug/Kg		100	70 - 131
1,2,4-Trichlorobenzene	50.0	50.7		ug/Kg		101	70 - 128
1,1,1-Trichloroethane	50.0	52.2		ug/Kg		104	70 - 120
1,1,2-Trichloroethane	50.0	46.2		ug/Kg		92	70 - 120
Trichloroethene	50.0	47.5		ug/Kg		95	70 - 120
Trichlorofluoromethane	50.0	42.4		ug/Kg		85	70 - 122
1,2,3-Trichloropropane	50.0	43.7		ug/Kg		87	70 - 129
1,2,4-Trimethylbenzene	50.0	52.4		ug/Kg		105	70 - 123
1,3,5-Trimethylbenzene	50.0	51.3		ug/Kg		103	70 - 122
Vinyl chloride	50.0	53.6		ug/Kg		107	69 - 120
Xylenes, Total	100	108		ug/Kg		108	70 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*121*		*70 - 122*
Dibromofluoromethane	*97*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*103*		*70 - 134*
Toluene-d8 (Surr)	*118*		*75 - 122*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 500-301616/1-A
Matrix: Solid
Analysis Batch: 301723

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 301616

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<36		170	36	ug/Kg		08/25/15 15:14	08/26/15 11:03	1
1,2-Dichlorobenzene	<40		170	40	ug/Kg		08/25/15 15:14	08/26/15 11:03	1
1,3-Dichlorobenzene	<37		170	37	ug/Kg		08/25/15 15:14	08/26/15 11:03	1
1,4-Dichlorobenzene	<43		170	43	ug/Kg		08/25/15 15:14	08/26/15 11:03	1
1-Methylnaphthalene	<8.1		33	8.1	ug/Kg		08/25/15 15:14	08/26/15 11:03	1
2,2'-oxybis[1-chloropropane]	<39		170	39	ug/Kg		08/25/15 15:14	08/26/15 11:03	1
2,4,5-Trichlorophenol	<76		330	76	ug/Kg		08/25/15 15:14	08/26/15 11:03	1
2,4,6-Trichlorophenol	<110		330	110	ug/Kg		08/25/15 15:14	08/26/15 11:03	1
2,4-Dichlorophenol	<79		330	79	ug/Kg		08/25/15 15:14	08/26/15 11:03	1
2,4-Dimethylphenol	<130		330	130	ug/Kg		08/25/15 15:14	08/26/15 11:03	1
2,4-Dinitrophenol	<590		670	590	ug/Kg		08/25/15 15:14	08/26/15 11:03	1
2,4-Dinitrotoluene	<53		170	53	ug/Kg		08/25/15 15:14	08/26/15 11:03	1
2,6-Dinitrotoluene	<65		170	65	ug/Kg		08/25/15 15:14	08/26/15 11:03	1
2-Chloronaphthalene	<37		170	37	ug/Kg		08/25/15 15:14	08/26/15 11:03	1
2-Chlorophenol	<57		170	57	ug/Kg		08/25/15 15:14	08/26/15 11:03	1
2-Methylnaphthalene	<6.1		33	6.1	ug/Kg		08/25/15 15:14	08/26/15 11:03	1
2-Methylphenol	<53		170	53	ug/Kg		08/25/15 15:14	08/26/15 11:03	1
2-Nitroaniline	<45		170	45	ug/Kg		08/25/15 15:14	08/26/15 11:03	1
2-Nitrophenol	<79		330	79	ug/Kg		08/25/15 15:14	08/26/15 11:03	1
3 & 4 Methylphenol	<55		170	55	ug/Kg		08/25/15 15:14	08/26/15 11:03	1
3,3'-Dichlorobenzidine	<47		170	47	ug/Kg		08/25/15 15:14	08/26/15 11:03	1
3-Nitroaniline	<100		330	100	ug/Kg		08/25/15 15:14	08/26/15 11:03	1
4,6-Dinitro-2-methylphenol	<270		330	270	ug/Kg		08/25/15 15:14	08/26/15 11:03	1
4-Bromophenyl phenyl ether	<44		170	44	ug/Kg		08/25/15 15:14	08/26/15 11:03	1
4-Chloro-3-methylphenol	<110		330	110	ug/Kg		08/25/15 15:14	08/26/15 11:03	1
4-Chloroaniline	<160		670	160	ug/Kg		08/25/15 15:14	08/26/15 11:03	1
4-Chlorophenyl phenyl ether	<39		170	39	ug/Kg		08/25/15 15:14	08/26/15 11:03	1
4-Nitroaniline	<140		330	140	ug/Kg		08/25/15 15:14	08/26/15 11:03	1
4-Nitrophenol	<320		670	320	ug/Kg		08/25/15 15:14	08/26/15 11:03	1
Acenaphthene	<6.0		33	6.0	ug/Kg		08/25/15 15:14	08/26/15 11:03	1
Acenaphthylene	<4.4		33	4.4	ug/Kg		08/25/15 15:14	08/26/15 11:03	1
Anthracene	<5.6		33	5.6	ug/Kg		08/25/15 15:14	08/26/15 11:03	1
Benzo[a]anthracene	<4.5		33	4.5	ug/Kg		08/25/15 15:14	08/26/15 11:03	1
Benzo[a]pyrene	<6.4		33	6.4	ug/Kg		08/25/15 15:14	08/26/15 11:03	1
Benzo[b]fluoranthene	<7.2		33	7.2	ug/Kg		08/25/15 15:14	08/26/15 11:03	1
Benzo[g,h,i]perylene	<11		33	11	ug/Kg		08/25/15 15:14	08/26/15 11:03	1
Benzo[k]fluoranthene	<9.8		33	9.8	ug/Kg		08/25/15 15:14	08/26/15 11:03	1
Benzoic acid	<330		1700	330	ug/Kg		08/25/15 15:14	08/26/15 11:03	1
Benzyl alcohol	<100		330	100	ug/Kg		08/25/15 15:14	08/26/15 11:03	1
Bis(2-chloroethoxy)methane	<34		170	34	ug/Kg		08/25/15 15:14	08/26/15 11:03	1
Bis(2-chloroethyl)ether	<50		170	50	ug/Kg		08/25/15 15:14	08/26/15 11:03	1
Bis(2-ethylhexyl) phthalate	<61		170	61	ug/Kg		08/25/15 15:14	08/26/15 11:03	1
Butyl benzyl phthalate	<63		170	63	ug/Kg		08/25/15 15:14	08/26/15 11:03	1
Carbazole	<83		170	83	ug/Kg		08/25/15 15:14	08/26/15 11:03	1
Chrysene	<9.1		33	9.1	ug/Kg		08/25/15 15:14	08/26/15 11:03	1
Dibenz(a,h)anthracene	<6.4		33	6.4	ug/Kg		08/25/15 15:14	08/26/15 11:03	1
Dibenzofuran	<39		170	39	ug/Kg		08/25/15 15:14	08/26/15 11:03	1
Diethyl phthalate	<56		170	56	ug/Kg		08/25/15 15:14	08/26/15 11:03	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-301616/1-A
Matrix: Solid
Analysis Batch: 301723

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 301616

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dimethyl phthalate	<43		170	43	ug/Kg		08/25/15 15:14	08/26/15 11:03	1
Di-n-butyl phthalate	<51		170	51	ug/Kg		08/25/15 15:14	08/26/15 11:03	1
Di-n-octyl phthalate	<54		170	54	ug/Kg		08/25/15 15:14	08/26/15 11:03	1
Fluoranthene	<6.2		33	6.2	ug/Kg		08/25/15 15:14	08/26/15 11:03	1
Fluorene	<4.7		33	4.7	ug/Kg		08/25/15 15:14	08/26/15 11:03	1
Hexachlorobenzene	<7.7		67	7.7	ug/Kg		08/25/15 15:14	08/26/15 11:03	1
Hexachlorobutadiene	<52		170	52	ug/Kg		08/25/15 15:14	08/26/15 11:03	1
Hexachlorocyclopentadiene	<190		670	190	ug/Kg		08/25/15 15:14	08/26/15 11:03	1
Hexachloroethane	<51		170	51	ug/Kg		08/25/15 15:14	08/26/15 11:03	1
Indeno[1,2,3-cd]pyrene	<8.6		33	8.6	ug/Kg		08/25/15 15:14	08/26/15 11:03	1
Isophorone	<37		170	37	ug/Kg		08/25/15 15:14	08/26/15 11:03	1
Naphthalene	<5.1		33	5.1	ug/Kg		08/25/15 15:14	08/26/15 11:03	1
Nitrobenzene	<8.3		33	8.3	ug/Kg		08/25/15 15:14	08/26/15 11:03	1
N-Nitrosodi-n-propylamine	<41		170	41	ug/Kg		08/25/15 15:14	08/26/15 11:03	1
N-Nitrosodiphenylamine	<39		170	39	ug/Kg		08/25/15 15:14	08/26/15 11:03	1
Pentachlorophenol	<530		670	530	ug/Kg		08/25/15 15:14	08/26/15 11:03	1
Phenanthrene	<4.6		33	4.6	ug/Kg		08/25/15 15:14	08/26/15 11:03	1
Phenol	<74		170	74	ug/Kg		08/25/15 15:14	08/26/15 11:03	1
Pyrene	<6.6		33	6.6	ug/Kg		08/25/15 15:14	08/26/15 11:03	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*82*		*35 - 137*	*08/25/15 15:14*	*08/26/15 11:03*	*1*
2-Fluorobiphenyl	*98*		*25 - 119*	*08/25/15 15:14*	*08/26/15 11:03*	*1*
2-Fluorophenol (Surr)	*103*		*25 - 110*	*08/25/15 15:14*	*08/26/15 11:03*	*1*
Nitrobenzene-d5 (Surr)	*88*		*25 - 115*	*08/25/15 15:14*	*08/26/15 11:03*	*1*
Phenol-d5 (Surr)	*94*		*31 - 110*	*08/25/15 15:14*	*08/26/15 11:03*	*1*
Terphenyl-d14 (Surr)	*99*		*36 - 134*	*08/25/15 15:14*	*08/26/15 11:03*	*1*

Lab Sample ID: LCS 500-301616/2-A
Matrix: Solid
Analysis Batch: 301723

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 301616

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trichlorobenzene	1330	1190		ug/Kg		89	49 - 110
1,2-Dichlorobenzene	1330	1070		ug/Kg		80	48 - 110
1,3-Dichlorobenzene	1330	1060		ug/Kg		79	44 - 110
1,4-Dichlorobenzene	1330	1080		ug/Kg		81	45 - 110
1-Methylnaphthalene	1330	1090		ug/Kg		82	50 - 110
2,2'-oxybis[1-chloropropane]	1330	1010		ug/Kg		76	30 - 115
2,4,5-Trichlorophenol	1330	1160		ug/Kg		87	41 - 120
2,4,6-Trichlorophenol	1330	1170		ug/Kg		88	44 - 118
2,4-Dichlorophenol	1330	1210		ug/Kg		91	53 - 113
2,4-Dimethylphenol	1330	1180		ug/Kg		88	49 - 110
2,4-Dinitrophenol	2670	<590		ug/Kg		11	10 - 110
2,4-Dinitrotoluene	1330	1240		ug/Kg		93	53 - 122
2,6-Dinitrotoluene	1330	1250		ug/Kg		94	54 - 117
2-Chloronaphthalene	1330	1180		ug/Kg		89	52 - 114
2-Chlorophenol	1330	1130		ug/Kg		85	47 - 114

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-301616/2-A
Matrix: Solid
Analysis Batch: 301723

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 301616

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Methylnaphthalene	1330	1070		ug/Kg		80	48 - 110
2-Methylphenol	1330	1110		ug/Kg		83	44 - 110
2-Nitroaniline	1330	1170		ug/Kg		88	42 - 122
2-Nitrophenol	1330	1290		ug/Kg		96	48 - 113
3 & 4 Methylphenol	1330	1180		ug/Kg		88	37 - 122
3,3'-Dichlorobenzidine	1330	1220		ug/Kg		91	26 - 128
3-Nitroaniline	1330	1290		ug/Kg		96	36 - 131
4,6-Dinitro-2-methylphenol	2670	730		ug/Kg		27	10 - 110
4-Bromophenyl phenyl ether	1330	1230		ug/Kg		93	55 - 113
4-Chloro-3-methylphenol	1330	1140		ug/Kg		85	52 - 111
4-Chloroaniline	1330	1220		ug/Kg		92	16 - 118
4-Chlorophenyl phenyl ether	1330	1200		ug/Kg		90	53 - 117
4-Nitroaniline	1330	1340		ug/Kg		101	28 - 157
4-Nitrophenol	2670	2300		ug/Kg		86	10 - 157
Acenaphthene	1330	1050		ug/Kg		79	46 - 110
Acenaphthylene	1330	1160		ug/Kg		87	49 - 110
Anthracene	1330	1200		ug/Kg		90	48 - 118
Benzo[a]anthracene	1330	1240		ug/Kg		93	49 - 121
Benzo[a]pyrene	1330	1300		ug/Kg		97	53 - 122
Benzo[b]fluoranthene	1330	1260		ug/Kg		95	54 - 122
Benzo[g,h,i]perylene	1330	1330		ug/Kg		100	52 - 125
Benzo[k]fluoranthene	1330	1320		ug/Kg		99	44 - 137
Benzoic acid	1330	<330	*	ug/Kg		7	10 - 100
Benzyl alcohol	1330	911		ug/Kg		68	28 - 111
Bis(2-chloroethoxy)methane	1330	1210		ug/Kg		91	42 - 110
Bis(2-chloroethyl)ether	1330	1090		ug/Kg		82	32 - 110
Bis(2-ethylhexyl) phthalate	1330	1290		ug/Kg		97	47 - 133
Butyl benzyl phthalate	1330	1270		ug/Kg		95	49 - 121
Carbazole	1330	1320		ug/Kg		99	26 - 188
Chrysene	1330	1320		ug/Kg		99	45 - 118
Dibenz(a,h)anthracene	1330	1320		ug/Kg		99	48 - 134
Dibenzofuran	1330	1150		ug/Kg		86	51 - 119
Diethyl phthalate	1330	1190		ug/Kg		89	50 - 128
Dimethyl phthalate	1330	1190		ug/Kg		89	56 - 113
Di-n-butyl phthalate	1330	1250		ug/Kg		94	50 - 128
Di-n-octyl phthalate	1330	1280		ug/Kg		96	46 - 138
Fluoranthene	1330	1230		ug/Kg		92	48 - 128
Fluorene	1330	1120		ug/Kg		84	47 - 121
Hexachlorobenzene	1330	1180		ug/Kg		89	54 - 114
Hexachlorobutadiene	1330	1100		ug/Kg		82	47 - 114
Hexachlorocyclopentadiene	1330	1050		ug/Kg		79	10 - 110
Hexachloroethane	1330	1120		ug/Kg		84	44 - 110
Indeno[1,2,3-cd]pyrene	1330	1310		ug/Kg		98	49 - 132
Isophorone	1330	1240		ug/Kg		93	35 - 110
Naphthalene	1330	1080		ug/Kg		81	48 - 110
Nitrobenzene	1330	1190		ug/Kg		89	35 - 113
N-Nitrosodi-n-propylamine	1330	1160		ug/Kg		87	24 - 123
N-Nitrosodiphenylamine	2670	2310		ug/Kg		86	52 - 111

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-301616/2-A
Matrix: Solid
Analysis Batch: 301723

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 301616

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Pentachlorophenol			2670	1960		ug/Kg		73	10 - 124		
Phenanthrene			1330	1170		ug/Kg		88	48 - 121		
Phenol			1330	1110		ug/Kg		83	41 - 110		
Pyrene			1330	1210		ug/Kg		91	46 - 114		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*91*		*35 - 137*
2-Fluorobiphenyl	*93*		*25 - 119*
2-Fluorophenol (Surr)	*88*		*25 - 110*
Nitrobenzene-d5 (Surr)	*90*		*25 - 115*
Phenol-d5 (Surr)	*87*		*31 - 110*
Terphenyl-d14 (Surr)	*102*		*36 - 134*

Client Sample ID: Exterior Pipe Crust 71+50/7'
Lab Sample ID: 500-100240-1
Date Collected: 08/20/15 09:30
Matrix: Solid
Date Received: 08/21/15 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	301397	08/24/15 13:04	LWN	TAL CHI

Client Sample ID: Exterior Pipe Crust 71+50/7'
Lab Sample ID: 500-100240-1
Date Collected: 08/20/15 09:30
Matrix: Solid
Date Received: 08/21/15 09:40
Percent Solids: 89.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			301301	08/21/15 14:40	WRE	TAL CHI
Total/NA	Analysis	8260B		1	301884	08/27/15 11:22	JMP	TAL CHI
Total/NA	Prep	3541			301616	08/25/15 15:14	DEA	TAL CHI
Total/NA	Analysis	8270D		10	302108	08/28/15 17:51	TNW	TAL CHI
Total/NA	Prep	3541	DL		301616	08/25/15 15:14	DEA	TAL CHI
Total/NA	Analysis	8270D	DL	50	302243	08/29/15 16:09	AJD	TAL CHI

Client Sample ID: 71+50/7'
Lab Sample ID: 500-100240-2
Date Collected: 08/20/15 10:00
Matrix: Solid
Date Received: 08/21/15 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	301397	08/24/15 13:04	LWN	TAL CHI

Client Sample ID: 71+50/7'
Lab Sample ID: 500-100240-2
Date Collected: 08/20/15 10:00
Matrix: Solid
Date Received: 08/21/15 09:40
Percent Solids: 76.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			301301	08/21/15 14:40	WRE	TAL CHI
Total/NA	Analysis	8260B		1	301884	08/27/15 11:48	JMP	TAL CHI
Total/NA	Prep	3541			301616	08/25/15 15:14	DEA	TAL CHI
Total/NA	Analysis	8270D		1	302108	08/28/15 18:20	TNW	TAL CHI

Client Sample ID: 71+50/8'
Lab Sample ID: 500-100240-3
Date Collected: 08/20/15 10:45
Matrix: Solid
Date Received: 08/21/15 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	301397	08/24/15 13:04	LWN	TAL CHI

Lab Chronicle

Client: SCS Engineers
Project/Site: James Park 25214107

TestAmerica Job ID: 500-100240-1

Client Sample ID: 71+50/8'
Lab Sample ID: 500-100240-3
Date Collected: 08/20/15 10:45
Matrix: Solid
Date Received: 08/21/15 09:40
Percent Solids: 78.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			301260	08/20/15 10:45	WRE	TAL CHI
Total/NA	Analysis	8260B		50	301883	08/27/15 14:14	PMF	TAL CHI
Total/NA	Prep	3541			301616	08/25/15 15:14	DEA	TAL CHI
Total/NA	Analysis	8270D		5	302108	08/28/15 18:50	TNW	TAL CHI

Client Sample ID: Interior Pipe Crust 71+50/7'
Lab Sample ID: 500-100240-4
Date Collected: 08/20/15 12:15
Matrix: Solid
Date Received: 08/21/15 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	301397	08/24/15 13:04	LWN	TAL CHI

Client Sample ID: Interior Pipe Crust 71+50/7'
Lab Sample ID: 500-100240-4
Date Collected: 08/20/15 12:15
Matrix: Solid
Date Received: 08/21/15 09:40
Percent Solids: 72.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			301301	08/21/15 14:40	WRE	TAL CHI
Total/NA	Analysis	8260B		1	301884	08/27/15 12:13	JMP	TAL CHI
Total/NA	Prep	3541			301616	08/25/15 15:14	DEA	TAL CHI
Total/NA	Analysis	8270D		10	302243	08/29/15 16:33	AJD	TAL CHI

Client Sample ID: Exterior Pipe Crust A 71+50/7'
Lab Sample ID: 500-100240-5
Date Collected: 08/20/15 12:40
Matrix: Solid
Date Received: 08/21/15 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	301397	08/24/15 13:04	LWN	TAL CHI

Client Sample ID: Exterior Pipe Crust A 71+50/7'
Lab Sample ID: 500-100240-5
Date Collected: 08/20/15 12:40
Matrix: Solid
Date Received: 08/21/15 09:40
Percent Solids: 72.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			301301	08/21/15 14:40	WRE	TAL CHI
Total/NA	Analysis	8260B		1	301884	08/27/15 12:38	JMP	TAL CHI
Total/NA	Prep	3541			301616	08/25/15 15:14	DEA	TAL CHI
Total/NA	Analysis	8270D		10	302108	08/28/15 19:49	TNW	TAL CHI
Total/NA	Prep	3541	DL		301616	08/25/15 15:14	DEA	TAL CHI
Total/NA	Analysis	8270D	DL	500	302328	08/31/15 14:12	BJH	TAL CHI

Laboratory References:
TAL CHI = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Certification Summary

Client: SCS Engineers
Project/Site: James Park 25214107

TestAmerica Job ID: 500-100240-1

Laboratory: TestAmerica Chicago

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
Wisconsin	State Program	5	999580010	08-31-16

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
2417 Bond Street, University Park, IL 60484
Phone: 708.534.5200 Fax: 708.534.5211

(optional)
Report To
Contact: Tony Kollasch
Company: SCS Engineers
Address: 2830 Dairy Drive
Address: Madison, WI 53718
Phone:
Fax:
E-Mail:

(optional)
Bill To
Contact:
Company: SCS Engineers
Address:
Address:
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500-100240
Chain of Custody Number:
Page ___ of ___
Temperature °C of Cooler: 2.9

500-100240 COC
9, Other

Client: SCS Engineers
Client Project #: 25214107
Project Name: James Park
Project Location/State: Evanston, IL
Lab Project #:
Sampler: Kyle Kramer
Lab PM:

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOCs	SVOCs								Comments
Preservative																
1		Exterior Pipe Crust 71+50/7'	8/20/15	0930	7	O	X	X								
2		71+50/7'	8/20/15	1000	6	S	X	X								
		Trip Blank	8/20/15	—	1	—	X	X								
3		71+50/8'	8/20/15	1045	6	S	X	X								
4		Interior Pipe Crust 71+50/7'	8/20/15	1215	6	O	X	X								
5		Exterior Pipe Crust A 71+50/7'	8/20/15	1240	5	O	X	X								

Turnaround Time Required (Business Days)
__ 1 Day __ 2 Days X 5 Days __ 7 Days __ 10 Days __ 15 Days ____ Other
Requested Due Date ____

Sample Disposal
☐ Return to Client ☐ Disposal by Lab ☐ Archive for ____ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
Kyle Kramer	SCS Engineers	8/20/15	1345	[signature]	TAL	08/21/15	0940
Relinquished By	Company	Date	Time	Received By	Company	Date	Time
Relinquished By	Company	Date	Time	Received By	Company	Date	Time

Lab Courier ☐
Shipped ☐
Hand Delivered ☐

Matrix Key
WW – Wastewater
W – Water
S – Soil
SL – Sludge
MS – Miscellaneous
OL – Oil
A – Air
SE – Sediment
SO – Soil
L – Leachate
WI – Wipe
DW – Drinking Water
O – Other

Client Comments

Lab Comments:

TAL-0018-500 (1209)

00308

00352

fedex.com 1.800.GoFedEx 1.800.463.3339

FedEx Express Package US Airbill

FedEx Tracking Number 8055 3915 5305

MUR1

Form ID No. 0215

1 From

Date 8/27/15

Sender's Name Kyle Kramer Phone

Company SCS Engineers

Address 2830 Dairy Drive

Dept./Floor/Suite/Room

City Madison State WI ZIP 53719

2 Your Internal Billing Reference

3 To

Recipient's Name SAMPLE RECEIPT Phone 708 534-5200

Company TESTAMERICA CHICAGO

Address 2417 BOND ST

We cannot deliver to P.O. boxes or P.O. ZIP codes.

Dept./Floor/Suite/Room

Address

Use this line for the HOLD location address or for continuation of your shipping address.

City UNIVERSITY PARK State IL ZIP 60484-3101

HOLD Weekday FedEx location address REQUIRED. NOT available for FedEx First Overnight.

HOLD Saturday FedEx location address REQUIRED. Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

8055 3915 5305

500-100240 Waybill

4 Express Package Service * To most locations.

NOTE: Service order has changed. Please select carefully.

Packages up to 150 lbs. *For packages over 150 lbs., use the FedEx Express Freight US Airbill.*

Next Business Day

- FedEx First Overnight — Earliest next business morning delivery to select locations. Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- FedEx Priority Overnight — Next business morning.* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [X] FedEx Standard Overnight — Next business afternoon.* Saturday Delivery NOT available.

2 or 3 Business Days

- FedEx 2Day A.M. — Second business morning.* Saturday Delivery NOT available.
- FedEx 2Day — Second business afternoon.* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- FedEx Express Saver — Third business day.* Saturday Delivery NOT available.

5 Packaging * Declared value limit $500.

FedEx Envelope* | FedEx Pak* | FedEx Box | FedEx Tube | [X] Other

6 Special Handling and Delivery Signature Options

[X] SATURDAY Delivery
NOT available for FedEx Standard Overnight, FedEx 2Day A.M., or FedEx Express Saver.

[X] No Signature Required — Package may be left without obtaining a signature for delivery.

Direct Signature — Someone at recipient's address may sign for delivery. *Fee applies.*

Indirect Signature — If no one is available at recipient's address, someone at a neighboring address may sign for delivery. For residential deliveries only. *Fee applies.*

Does this shipment contain dangerous goods?

One box must be checked.

[X] No | Yes — As per attached Shipper's Declaration. | Yes — Shipper's Declaration not required. | Dry Ice — Dry Ice, 9, UN 1845 ____ x ____ kg

Dangerous goods (including dry ice) cannot be shipped in FedEx packaging or placed in a FedEx Express Drop Box.

Cargo Aircraft Only

7 Payment *Bill to:*

Enter FedEx Acct. No. or Credit Card No. below.

Sender Acct. No. in Section 1 will be billed. | [X] Recipient | Third Party | Credit Card | Cash/Check

Obtain recip. Acct. No.

Total Packages 1 Total Weight 35 lbs.

Credit Card Auth.

†Our liability is limited to US$100 unless you declare a higher value. See the current FedEx Service Guide for details.

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fedex.com 1.800.GoFedEx 1.800.463.3339

Login Sample Receipt Checklist

Client: SCS Engineers

Job Number: 500-100240-1

Login Number: 100240
List Number: 1
Creator: Kelsey, Shawn M

List Source: TestAmerica Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.9
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica

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ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Tel: (912)354-7858

TestAmerica Job ID: 680-117534-1
Client Project/Site: James Park (25214107) Residential Wells

For:
SCS Engineers
2830 Dairy Dr
Madison, Wisconsin 53718

Attn: Dave Hedron

Authorized for release by:
10/23/2015 11:35:49 AM

Sandie Fredrick, Project Manager II
(920)261-1660
sandie.fredrick@testamericainc.com

Definitions/Glossary

Client: SCS Engineers
Project/Site: James Park (25214107) Residential Wells

TestAmerica Job ID: 680-117534-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
X	Surrogate is outside control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
H	Sample was prepped or analyzed beyond the specified holding time
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits
*	ISTD response or retention time outside acceptable limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Sample Summary

Client: SCS Engineers
Project/Site: James Park (25214107) Residential Wells

TestAmerica Job ID: 680-117534-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-117534-1	Site 1 R2 E	Water	10/06/15 10:03	10/07/15 09:14
680-117534-2	Site 1 R2 L	Water	10/06/15 10:20	10/07/15 09:14
680-117534-3	Trip Blank	Water	10/06/15 00:00	10/07/15 09:14

Job ID: 680-117534-1

Laboratory: TestAmerica Savannah

Narrative

Job Narrative
680-117534-1

Comments
No additional comments.

Receipt
The samples were received on 10/7/2015 9:14 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.6º C.

GC/MS VOA
Method(s) 524.2: The continuing calibration verification (CCV) associated with batch 680-404775 recovered above the upper control limit for 2,2-Dichloropropane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method(s) 524.2: The laboratory control sample duplicate (LCSD) for batch analytical batch 680-404775 recovered outside control limits for the following analytes: 2,2-Dichloropropane. These analytes were biased high in the LCSD and were not detected in the associated samples; therefore, the data have been reported.

Method(s) 524.2: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 680-404775.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA
Method(s) 525.2: Surrogate and internal standard recoveries were outside acceptance limits for the following matrix spike/matrix spike duplicate (MS/MSD) samples: (680-117534-A-2-B MSD). The parent sample's surrogate recovery was within limits. The MS/MSD sample has been qualified and reported.

Method(s) 525.2: The large number of analytes included in the continuing calibration verification (CCV) gives a high probability that one or more analytes will be outside acceptance criteria. As indicated in the reference method, analysis may proceed as long as no more than 10% of the analytes of interest are outside the method-defined %D criteria.
Butachlor, Fenarimol, alpha-Chlordane, Di(2-ethylhexyl)adipate, Norflurazon and Napropamide. cis and trans permethrin pass as a total compound.

Method(s) 525.2: The reporting limit provided for the following analyte(s) falls below the laboratory's lowest calibration standard: 0.20ug/ml. Results reported below the lowest calibration standard have less certainty (i.e., are estimated). Atrazine, Benzo[a]anthracene, Benzo[a]pyrene, Benzo[b]fluoranthene, Benzo[k]fluoranthene, Benzo[g,h,i]perylene and Dibenz(a,h)anthracene.

Method(s) 525.2: Surrogate recovery for the following sample was outside control limits: Site 1 R2 E (680-117534-1). Re-extraction and/or re-analysis was performed outside of holding time with acceptable results.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Client Sample ID: Site 1 R2 E

Date Collected: 10/06/15 10:03
Date Received: 10/07/15 09:14

Lab Sample ID: 680-117534-1

Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.50		0.50	0.50	ug/L			10/08/15 11:17	1
Bromobenzene	<0.091		0.50	0.091	ug/L			10/08/15 11:17	1
Bromoform	**0.39**	**J**	0.50	0.17	ug/L			10/08/15 11:17	1
Bromomethane	<0.20		1.0	0.20	ug/L			10/08/15 11:17	1
Carbon tetrachloride	<0.50		0.50	0.50	ug/L			10/08/15 11:17	1
Chlorobenzene	<0.50		0.50	0.50	ug/L			10/08/15 11:17	1
Chlorodibromomethane	**4.3**		0.50	0.13	ug/L			10/08/15 11:17	1
Chloroethane	<0.22		1.0	0.22	ug/L			10/08/15 11:17	1
Chloroform	**9.4**		0.50	0.20	ug/L			10/08/15 11:17	1
Chloromethane	<0.15		0.50	0.15	ug/L			10/08/15 11:17	1
2-Chlorotoluene	<0.11		0.50	0.11	ug/L			10/08/15 11:17	1
4-Chlorotoluene	<0.13		0.50	0.13	ug/L			10/08/15 11:17	1
cis-1,2-Dichloroethene	<0.50		0.50	0.50	ug/L			10/08/15 11:17	1
cis-1,3-Dichloropropene	<0.081		0.50	0.081	ug/L			10/08/15 11:17	1
Dibromomethane	<0.16		0.50	0.16	ug/L			10/08/15 11:17	1
1,2-Dichlorobenzene	<0.50		0.50	0.50	ug/L			10/08/15 11:17	1
1,3-Dichlorobenzene	<0.11		0.50	0.11	ug/L			10/08/15 11:17	1
1,4-Dichlorobenzene	<0.50		0.50	0.50	ug/L			10/08/15 11:17	1
Dichlorobromomethane	**7.8**		0.50	0.079	ug/L			10/08/15 11:17	1
1,1-Dichloroethane	<0.50		0.50	0.50	ug/L			10/08/15 11:17	1
1,2-Dichloroethane	<0.50		0.50	0.50	ug/L			10/08/15 11:17	1
1,1-Dichloroethene	<0.50		0.50	0.50	ug/L			10/08/15 11:17	1
1,2-Dichloropropane	<0.50		0.50	0.50	ug/L			10/08/15 11:17	1
1,3-Dichloropropane	<0.10		0.50	0.10	ug/L			10/08/15 11:17	1
2,2-Dichloropropane	<0.20	*	0.50	0.20	ug/L			10/08/15 11:17	1
1,1-Dichloropropene	<0.095		0.50	0.095	ug/L			10/08/15 11:17	1
Ethylbenzene	<0.50		0.50	0.50	ug/L			10/08/15 11:17	1
Methylene Chloride	<0.50		0.50	0.50	ug/L			10/08/15 11:17	1
Methyl tert-butyl ether	<0.50		0.50	0.50	ug/L			10/08/15 11:17	1
m-Xylene & p-Xylene	<0.50		0.50	0.50	ug/L			10/08/15 11:17	1
o-Xylene	<0.50		0.50	0.50	ug/L			10/08/15 11:17	1
Styrene	<0.50		0.50	0.50	ug/L			10/08/15 11:17	1
1,1,1,2-Tetrachloroethane	<0.50		0.50	0.50	ug/L			10/08/15 11:17	1
1,1,2,2-Tetrachloroethane	<0.50		0.50	0.50	ug/L			10/08/15 11:17	1
Tetrachloroethene	<0.50		0.50	0.50	ug/L			10/08/15 11:17	1
Toluene	<0.50		0.50	0.50	ug/L			10/08/15 11:17	1
trans-1,2-Dichloroethene	<0.50		0.50	0.50	ug/L			10/08/15 11:17	1
trans-1,3-Dichloropropene	<0.11		0.50	0.11	ug/L			10/08/15 11:17	1
1,2,4-Trichlorobenzene	<0.50		0.50	0.50	ug/L			10/08/15 11:17	1
1,1,1-Trichloroethane	<0.50		0.50	0.50	ug/L			10/08/15 11:17	1
1,1,2-Trichloroethane	<0.50		0.50	0.50	ug/L			10/08/15 11:17	1
Trichloroethene	<0.50		0.50	0.50	ug/L			10/08/15 11:17	1
1,2,3-Trichloropropane	<0.17		0.50	0.17	ug/L			10/08/15 11:17	1
Vinyl chloride	<0.50		0.50	0.50	ug/L			10/08/15 11:17	1
Xylenes, Total	<0.50		0.50	0.50	ug/L			10/08/15 11:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*95*		*70 - 130*		*10/08/15 11:17*	*1*
1,2-Dichlorobenzene-d4 (Surr)	*94*		*70 - 130*		*10/08/15 11:17*	*1*

Client Sample ID: Site 1 R2 E
Date Collected: 10/06/15 10:03
Date Received: 10/07/15 09:14

Lab Sample ID: 680-117534-1
Matrix: Water

Method: 525.2 - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	<0.20		0.20	0.20	ug/L		10/09/15 07:44	10/16/15 18:40	1
2-Methylnaphthalene	<0.20	H	0.20	0.20	ug/L		10/21/15 07:40	10/23/15 03:01	1
Acenaphthene	<0.040		0.20	0.040	ug/L		10/09/15 07:44	10/16/15 18:40	1
Acenaphthene	<0.040	H	0.20	0.040	ug/L		10/21/15 07:40	10/23/15 03:01	1
Acenaphthylene	<0.020		0.20	0.020	ug/L		10/09/15 07:44	10/16/15 18:40	1
Acenaphthylene	<0.020	H	0.20	0.020	ug/L		10/21/15 07:40	10/23/15 03:01	1
Alachlor	<0.20		0.20	0.20	ug/L		10/09/15 07:44	10/16/15 18:40	1
Alachlor	<0.20	H	0.20	0.20	ug/L		10/21/15 07:40	10/23/15 03:01	1
Anthracene	<0.023		0.20	0.023	ug/L		10/09/15 07:44	10/16/15 18:40	1
Anthracene	<0.023	H	0.20	0.023	ug/L		10/21/15 07:40	10/23/15 03:01	1
Atrazine	<0.30		0.30	0.30	ug/L		10/09/15 07:44	10/16/15 18:40	1
Atrazine	<0.30	H	0.30	0.30	ug/L		10/21/15 07:40	10/23/15 03:01	1
Benzo[a]anthracene	<0.020		0.099	0.020	ug/L		10/09/15 07:44	10/16/15 18:40	1
Benzo[a]anthracene	<0.020	H	0.10	0.020	ug/L		10/21/15 07:40	10/23/15 03:01	1
Benzo[a]pyrene	<0.099		0.099	0.099	ug/L		10/09/15 07:44	10/16/15 18:40	1
Benzo[a]pyrene	<0.10	H	0.10	0.10	ug/L		10/21/15 07:40	10/23/15 03:01	1
Benzo[b]fluoranthene	<0.022		0.099	0.022	ug/L		10/09/15 07:44	10/16/15 18:40	1
Benzo[b]fluoranthene	<0.022	H	0.10	0.022	ug/L		10/21/15 07:40	10/23/15 03:01	1
Benzo[g,h,i]perylene	<0.045		0.099	0.045	ug/L		10/09/15 07:44	10/16/15 18:40	1
Benzo[g,h,i]perylene	<0.045	H	0.10	0.045	ug/L		10/21/15 07:40	10/23/15 03:01	1
Benzo[k]fluoranthene	<0.035		0.099	0.035	ug/L		10/09/15 07:44	10/16/15 18:40	1
Benzo[k]fluoranthene	<0.035	H	0.10	0.035	ug/L		10/21/15 07:40	10/23/15 03:01	1
Bis(2-ethylhexyl) phthalate	<1.8		2.0	1.8	ug/L		10/09/15 07:44	10/16/15 18:40	1
Bis(2-ethylhexyl) phthalate	<1.8	H	2.0	1.8	ug/L		10/21/15 07:40	10/23/15 03:01	1
Chrysene	<0.020		0.20	0.020	ug/L		10/09/15 07:44	10/16/15 18:40	1
Chrysene	<0.020	H	0.20	0.020	ug/L		10/21/15 07:40	10/23/15 03:01	1
Di(2-ethylhexyl)adipate	<0.60		1.5	0.60	ug/L		10/09/15 07:44	10/16/15 18:40	1
Di(2-ethylhexyl)adipate	<0.60	H	1.5	0.60	ug/L		10/21/15 07:40	10/23/15 03:01	1
Dibenz(a,h)anthracene	<0.062		0.099	0.062	ug/L		10/09/15 07:44	10/16/15 18:40	1
Dibenz(a,h)anthracene	<0.062	H	0.10	0.062	ug/L		10/21/15 07:40	10/23/15 03:01	1
Endrin	<0.099		0.50	0.099	ug/L		10/09/15 07:44	10/16/15 18:40	1
Endrin	<0.10	H	0.50	0.10	ug/L		10/21/15 07:40	10/23/15 03:01	1
Fluoranthene	<0.020		0.20	0.020	ug/L		10/09/15 07:44	10/16/15 18:40	1
Fluoranthene	**0.029**	**J H**	0.20	0.020	ug/L		10/21/15 07:40	10/23/15 03:01	1
Fluorene	<0.020		0.20	0.020	ug/L		10/09/15 07:44	10/16/15 18:40	1
Fluorene	<0.020	H	0.20	0.020	ug/L		10/21/15 07:40	10/23/15 03:01	1
gamma-BHC (Lindane)	<0.099		0.20	0.099	ug/L		10/09/15 07:44	10/16/15 18:40	1
gamma-BHC (Lindane)	<0.10	H	0.20	0.10	ug/L		10/21/15 07:40	10/23/15 03:01	1
Heptachlor	<0.040		0.20	0.040	ug/L		10/09/15 07:44	10/16/15 18:40	1
Heptachlor	<0.040	H	0.20	0.040	ug/L		10/21/15 07:40	10/23/15 03:01	1
Heptachlor epoxide	<0.020		0.40	0.020	ug/L		10/09/15 07:44	10/16/15 18:40	1
Heptachlor epoxide	<0.020	H	0.40	0.020	ug/L		10/21/15 07:40	10/23/15 03:01	1
Hexachlorobenzene	<0.099		0.20	0.099	ug/L		10/09/15 07:44	10/16/15 18:40	1
Hexachlorobenzene	<0.10	H	0.20	0.10	ug/L		10/21/15 07:40	10/23/15 03:01	1
Hexachlorocyclopentadiene	<0.50		2.0	0.50	ug/L		10/09/15 07:44	10/16/15 18:40	1
Hexachlorocyclopentadiene	<0.50	H	2.0	0.50	ug/L		10/21/15 07:40	10/23/15 03:01	1
Indeno[1,2,3-cd]pyrene	<0.035		0.099	0.035	ug/L		10/09/15 07:44	10/16/15 18:40	1
Indeno[1,2,3-cd]pyrene	<0.035	H	0.10	0.035	ug/L		10/21/15 07:40	10/23/15 03:01	1
Methoxychlor	<0.099		0.50	0.099	ug/L		10/09/15 07:44	10/16/15 18:40	1

Client Sample ID: Site 1 R2 E
Lab Sample ID: 680-117534-1
Date Collected: 10/06/15 10:03
Matrix: Water
Date Received: 10/07/15 09:14

Method: 525.2 - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methoxychlor	<0.10	H	0.50	0.10	ug/L		10/21/15 07:40	10/23/15 03:01	1
Naphthalene	<0.020		0.20	0.020	ug/L		10/09/15 07:44	10/16/15 18:40	1
Naphthalene	<0.020	H	0.20	0.020	ug/L		10/21/15 07:40	10/23/15 03:01	1
Phenanthrene	**0.023**	**J**	0.20	0.020	ug/L		10/09/15 07:44	10/16/15 18:40	1
Phenanthrene	**0.042**	**J H**	0.20	0.020	ug/L		10/21/15 07:40	10/23/15 03:01	1
Pyrene	<0.020		0.20	0.020	ug/L		10/09/15 07:44	10/16/15 18:40	1
Pyrene	<0.020	H	0.20	0.020	ug/L		10/21/15 07:40	10/23/15 03:01	1
Simazine	<0.35		0.50	0.35	ug/L		10/09/15 07:44	10/16/15 18:40	1
Simazine	<0.35	H	0.50	0.35	ug/L		10/21/15 07:40	10/23/15 03:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Nitro-m-xylene	*98*		*70 - 130*	*10/09/15 07:44*	*10/16/15 18:40*	*1*
2-Nitro-m-xylene	*95*		*70 - 130*	*10/21/15 07:40*	*10/23/15 03:01*	*1*
Acenaphthene-d10 (Surr)	*81*		*70 - 130*	*10/09/15 07:44*	*10/16/15 18:40*	*1*
Acenaphthene-d10 (Surr)	*97*		*70 - 130*	*10/21/15 07:40*	*10/23/15 03:01*	*1*
Chrysene-d12 (Surr)	*100*		*70 - 130*	*10/09/15 07:44*	*10/16/15 18:40*	*1*
Chrysene-d12 (Surr)	*100*		*70 - 130*	*10/21/15 07:40*	*10/23/15 03:01*	*1*
Perylene-d12	*60*	*X*	*70 - 130*	*10/09/15 07:44*	*10/16/15 18:40*	*1*
Perylene-d12	*77*		*70 - 130*	*10/21/15 07:40*	*10/23/15 03:01*	*1*
Phenanthrene-d10 (Surr)	*94*		*70 - 130*	*10/09/15 07:44*	*10/16/15 18:40*	*1*
Phenanthrene-d10 (Surr)	*100*		*70 - 130*	*10/21/15 07:40*	*10/23/15 03:01*	*1*
Triphenylphosphate	*98*		*70 - 130*	*10/09/15 07:44*	*10/16/15 18:40*	*1*
Triphenylphosphate	*101*		*70 - 130*	*10/21/15 07:40*	*10/23/15 03:01*	*1*

Client Sample ID: Site 1 R2 L
Lab Sample ID: 680-117534-2
Date Collected: 10/06/15 10:20
Matrix: Water
Date Received: 10/07/15 09:14

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.50		0.50	0.50	ug/L			10/08/15 11:40	1
Bromobenzene	<0.091		0.50	0.091	ug/L			10/08/15 11:40	1
Bromoform	**0.47**	**J**	0.50	0.17	ug/L			10/08/15 11:40	1
Bromomethane	<0.20		1.0	0.20	ug/L			10/08/15 11:40	1
Carbon tetrachloride	<0.50		0.50	0.50	ug/L			10/08/15 11:40	1
Chlorobenzene	<0.50		0.50	0.50	ug/L			10/08/15 11:40	1
Chlorodibromomethane	**4.3**		0.50	0.13	ug/L			10/08/15 11:40	1
Chloroethane	<0.22		1.0	0.22	ug/L			10/08/15 11:40	1
Chloroform	**9.6**		0.50	0.20	ug/L			10/08/15 11:40	1
Chloromethane	<0.15		0.50	0.15	ug/L			10/08/15 11:40	1
2-Chlorotoluene	<0.11		0.50	0.11	ug/L			10/08/15 11:40	1
4-Chlorotoluene	<0.13		0.50	0.13	ug/L			10/08/15 11:40	1
cis-1,2-Dichloroethene	<0.50		0.50	0.50	ug/L			10/08/15 11:40	1
cis-1,3-Dichloropropene	<0.081		0.50	0.081	ug/L			10/08/15 11:40	1
Dibromomethane	<0.16		0.50	0.16	ug/L			10/08/15 11:40	1
1,2-Dichlorobenzene	<0.50		0.50	0.50	ug/L			10/08/15 11:40	1
1,3-Dichlorobenzene	<0.11		0.50	0.11	ug/L			10/08/15 11:40	1
1,4-Dichlorobenzene	<0.50		0.50	0.50	ug/L			10/08/15 11:40	1
Dichlorobromomethane	**8.0**		0.50	0.079	ug/L			10/08/15 11:40	1
1,1-Dichloroethane	<0.50		0.50	0.50	ug/L			10/08/15 11:40	1

Client Sample ID: Site 1 R2 L
Date Collected: 10/06/15 10:20
Date Received: 10/07/15 09:14

Lab Sample ID: 680-117534-2
Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	<0.50		0.50	0.50	ug/L			10/08/15 11:40	1
1,1-Dichloroethene	<0.50		0.50	0.50	ug/L			10/08/15 11:40	1
1,2-Dichloropropane	<0.50		0.50	0.50	ug/L			10/08/15 11:40	1
1,3-Dichloropropane	<0.10		0.50	0.10	ug/L			10/08/15 11:40	1
2,2-Dichloropropane	<0.20	*	0.50	0.20	ug/L			10/08/15 11:40	1
1,1-Dichloropropene	<0.095		0.50	0.095	ug/L			10/08/15 11:40	1
Ethylbenzene	<0.50		0.50	0.50	ug/L			10/08/15 11:40	1
Methylene Chloride	<0.50		0.50	0.50	ug/L			10/08/15 11:40	1
Methyl tert-butyl ether	<0.50		0.50	0.50	ug/L			10/08/15 11:40	1
m-Xylene & p-Xylene	<0.50		0.50	0.50	ug/L			10/08/15 11:40	1
o-Xylene	<0.50		0.50	0.50	ug/L			10/08/15 11:40	1
Styrene	<0.50		0.50	0.50	ug/L			10/08/15 11:40	1
1,1,1,2-Tetrachloroethane	<0.50		0.50	0.50	ug/L			10/08/15 11:40	1
1,1,2,2-Tetrachloroethane	<0.50		0.50	0.50	ug/L			10/08/15 11:40	1
Tetrachloroethene	<0.50		0.50	0.50	ug/L			10/08/15 11:40	1
Toluene	<0.50		0.50	0.50	ug/L			10/08/15 11:40	1
trans-1,2-Dichloroethene	<0.50		0.50	0.50	ug/L			10/08/15 11:40	1
trans-1,3-Dichloropropene	<0.11		0.50	0.11	ug/L			10/08/15 11:40	1
1,2,4-Trichlorobenzene	<0.50		0.50	0.50	ug/L			10/08/15 11:40	1
1,1,1-Trichloroethane	<0.50		0.50	0.50	ug/L			10/08/15 11:40	1
1,1,2-Trichloroethane	<0.50		0.50	0.50	ug/L			10/08/15 11:40	1
Trichloroethene	<0.50		0.50	0.50	ug/L			10/08/15 11:40	1
1,2,3-Trichloropropane	<0.17		0.50	0.17	ug/L			10/08/15 11:40	1
Vinyl chloride	<0.50		0.50	0.50	ug/L			10/08/15 11:40	1
Xylenes, Total	<0.50		0.50	0.50	ug/L			10/08/15 11:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*96*		*70 - 130*		*10/08/15 11:40*	*1*
1,2-Dichlorobenzene-d4 (Surr)	*95*		*70 - 130*		*10/08/15 11:40*	*1*

Method: 525.2 - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	<0.20		0.20	0.20	ug/L		10/09/15 07:44	10/09/15 20:57	1
Acenaphthene	<0.040		0.20	0.040	ug/L		10/09/15 07:44	10/09/15 20:57	1
Acenaphthylene	<0.020		0.20	0.020	ug/L		10/09/15 07:44	10/09/15 20:57	1
Alachlor	<0.20	F1 F2	0.20	0.20	ug/L		10/09/15 07:44	10/09/15 20:57	1
Anthracene	<0.023	F1 F2	0.20	0.023	ug/L		10/09/15 07:44	10/09/15 20:57	1
Atrazine	<0.30	F1 F2	0.30	0.30	ug/L		10/09/15 07:44	10/09/15 20:57	1
Benzo[a]anthracene	<0.020		0.10	0.020	ug/L		10/09/15 07:44	10/09/15 20:57	1
Benzo[a]pyrene	<0.10		0.10	0.10	ug/L		10/09/15 07:44	10/09/15 20:57	1
Benzo[b]fluoranthene	<0.022		0.10	0.022	ug/L		10/09/15 07:44	10/09/15 20:57	1
Benzo[g,h,i]perylene	<0.045		0.10	0.045	ug/L		10/09/15 07:44	10/09/15 20:57	1
Benzo[k]fluoranthene	<0.035		0.10	0.035	ug/L		10/09/15 07:44	10/09/15 20:57	1
Bis(2-ethylhexyl) phthalate	<1.8	F1	2.0	1.8	ug/L		10/09/15 07:44	10/09/15 20:57	1
Chrysene	<0.020		0.20	0.020	ug/L		10/09/15 07:44	10/09/15 20:57	1
Di(2-ethylhexyl)adipate	**1.5**	**F1 F2**	1.5	0.60	ug/L		10/09/15 07:44	10/09/15 20:57	1
Dibenz(a,h)anthracene	<0.062		0.10	0.062	ug/L		10/09/15 07:44	10/09/15 20:57	1
Endrin	<0.10		0.50	0.10	ug/L		10/09/15 07:44	10/09/15 20:57	1
Fluoranthene	<0.020	F1 F2	0.20	0.020	ug/L		10/09/15 07:44	10/09/15 20:57	1
Fluorene	<0.020		0.20	0.020	ug/L		10/09/15 07:44	10/09/15 20:57	1

Client: SCS Engineers
Project/Site: James Park (25214107) Residential Wells

TestAmerica Job ID: 680-117534-1

Client Sample ID: Site 1 R2 L

Lab Sample ID: 680-117534-2

Date Collected: 10/06/15 10:20

Matrix: Water

Date Received: 10/07/15 09:14

Method: 525.2 - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
gamma-BHC (Lindane)	<0.10	F1 F2	0.20	0.10	ug/L		10/09/15 07:44	10/09/15 20:57	1
Heptachlor	<0.040		0.20	0.040	ug/L		10/09/15 07:44	10/09/15 20:57	1
Heptachlor epoxide	<0.020		0.40	0.020	ug/L		10/09/15 07:44	10/09/15 20:57	1
Hexachlorobenzene	<0.10	F2	0.20	0.10	ug/L		10/09/15 07:44	10/09/15 20:57	1
Hexachlorocyclopentadiene	<0.50	F1 F2	2.0	0.50	ug/L		10/09/15 07:44	10/09/15 20:57	1
Indeno[1,2,3-cd]pyrene	<0.035		0.10	0.035	ug/L		10/09/15 07:44	10/09/15 20:57	1
Methoxychlor	<0.10		0.50	0.10	ug/L		10/09/15 07:44	10/09/15 20:57	1
Naphthalene	<0.020		0.20	0.020	ug/L		10/09/15 07:44	10/09/15 20:57	1
Phenanthrene	<0.020		0.20	0.020	ug/L		10/09/15 07:44	10/09/15 20:57	1
Pyrene	<0.020		0.20	0.020	ug/L		10/09/15 07:44	10/09/15 20:57	1
Simazine	<0.35	F1 F2	0.50	0.35	ug/L		10/09/15 07:44	10/09/15 20:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Nitro-m-xylene	*102*		*70 - 130*	*10/09/15 07:44*	*10/09/15 20:57*	*1*
Acenaphthene-d10 (Surr)	*85*		*70 - 130*	*10/09/15 07:44*	*10/09/15 20:57*	*1*
Chrysene-d12 (Surr)	*98*		*70 - 130*	*10/09/15 07:44*	*10/09/15 20:57*	*1*
Perylene-d12	*74*		*70 - 130*	*10/09/15 07:44*	*10/09/15 20:57*	*1*
Phenanthrene-d10 (Surr)	*91*		*70 - 130*	*10/09/15 07:44*	*10/09/15 20:57*	*1*
Triphenylphosphate	*95*		*70 - 130*	*10/09/15 07:44*	*10/09/15 20:57*	*1*

Client Sample ID: Trip Blank

Lab Sample ID: 680-117534-3

Date Collected: 10/06/15 00:00

Matrix: Water

Date Received: 10/07/15 09:14

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.50		0.50	0.50	ug/L			10/08/15 10:57	1
Bromobenzene	<0.091		0.50	0.091	ug/L			10/08/15 10:57	1
Bromoform	<0.17		0.50	0.17	ug/L			10/08/15 10:57	1
Bromomethane	<0.20		1.0	0.20	ug/L			10/08/15 10:57	1
Carbon tetrachloride	<0.50		0.50	0.50	ug/L			10/08/15 10:57	1
Chlorobenzene	<0.50		0.50	0.50	ug/L			10/08/15 10:57	1
Chlorodibromomethane	<0.13		0.50	0.13	ug/L			10/08/15 10:57	1
Chloroethane	<0.22		1.0	0.22	ug/L			10/08/15 10:57	1
Chloroform	<0.20		0.50	0.20	ug/L			10/08/15 10:57	1
Chloromethane	<0.15		0.50	0.15	ug/L			10/08/15 10:57	1
2-Chlorotoluene	<0.11		0.50	0.11	ug/L			10/08/15 10:57	1
4-Chlorotoluene	<0.13		0.50	0.13	ug/L			10/08/15 10:57	1
cis-1,2-Dichloroethene	<0.50		0.50	0.50	ug/L			10/08/15 10:57	1
cis-1,3-Dichloropropene	<0.081		0.50	0.081	ug/L			10/08/15 10:57	1
Dibromomethane	<0.16		0.50	0.16	ug/L			10/08/15 10:57	1
1,2-Dichlorobenzene	<0.50		0.50	0.50	ug/L			10/08/15 10:57	1
1,3-Dichlorobenzene	<0.11		0.50	0.11	ug/L			10/08/15 10:57	1
1,4-Dichlorobenzene	<0.50		0.50	0.50	ug/L			10/08/15 10:57	1
Dichlorobromomethane	<0.079		0.50	0.079	ug/L			10/08/15 10:57	1
1,1-Dichloroethane	<0.50		0.50	0.50	ug/L			10/08/15 10:57	1
1,2-Dichloroethane	<0.50		0.50	0.50	ug/L			10/08/15 10:57	1
1,1-Dichloroethene	<0.50		0.50	0.50	ug/L			10/08/15 10:57	1
1,2-Dichloropropane	<0.50		0.50	0.50	ug/L			10/08/15 10:57	1
1,3-Dichloropropane	<0.10		0.50	0.10	ug/L			10/08/15 10:57	1

Client Sample ID: Trip Blank
Lab Sample ID: 680-117534-3
Date Collected: 10/06/15 00:00
Matrix: Water
Date Received: 10/07/15 09:14

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,2-Dichloropropane	<0.20	*	0.50	0.20	ug/L			10/08/15 10:57	1
1,1-Dichloropropene	<0.095		0.50	0.095	ug/L			10/08/15 10:57	1
Ethylbenzene	<0.50		0.50	0.50	ug/L			10/08/15 10:57	1
Methylene Chloride	<0.50		0.50	0.50	ug/L			10/08/15 10:57	1
Methyl tert-butyl ether	<0.50		0.50	0.50	ug/L			10/08/15 10:57	1
m-Xylene & p-Xylene	<0.50		0.50	0.50	ug/L			10/08/15 10:57	1
o-Xylene	<0.50		0.50	0.50	ug/L			10/08/15 10:57	1
Styrene	<0.50		0.50	0.50	ug/L			10/08/15 10:57	1
1,1,1,2-Tetrachloroethane	<0.50		0.50	0.50	ug/L			10/08/15 10:57	1
1,1,2,2-Tetrachloroethane	<0.50		0.50	0.50	ug/L			10/08/15 10:57	1
Tetrachloroethene	<0.50		0.50	0.50	ug/L			10/08/15 10:57	1
Toluene	<0.50		0.50	0.50	ug/L			10/08/15 10:57	1
trans-1,2-Dichloroethene	<0.50		0.50	0.50	ug/L			10/08/15 10:57	1
trans-1,3-Dichloropropene	<0.11		0.50	0.11	ug/L			10/08/15 10:57	1
1,2,4-Trichlorobenzene	<0.50		0.50	0.50	ug/L			10/08/15 10:57	1
1,1,1-Trichloroethane	<0.50		0.50	0.50	ug/L			10/08/15 10:57	1
1,1,2-Trichloroethane	<0.50		0.50	0.50	ug/L			10/08/15 10:57	1
Trichloroethene	<0.50		0.50	0.50	ug/L			10/08/15 10:57	1
1,2,3-Trichloropropane	<0.17		0.50	0.17	ug/L			10/08/15 10:57	1
Vinyl chloride	<0.50		0.50	0.50	ug/L			10/08/15 10:57	1
Xylenes, Total	<0.50		0.50	0.50	ug/L			10/08/15 10:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*70 - 130*		*10/08/15 10:57*	*1*
1,2-Dichlorobenzene-d4 (Surr)	*95*		*70 - 130*		*10/08/15 10:57*	*1*

Client: SCS Engineers
Project/Site: James Park (25214107) Residential Wells

TestAmerica Job ID: 680-117534-1

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 680-404775/9
Matrix: Water
Analysis Batch: 404775

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.50		0.50	0.50	ug/L			10/08/15 10:07	1
Bromobenzene	<0.091		0.50	0.091	ug/L			10/08/15 10:07	1
Bromoform	<0.17		0.50	0.17	ug/L			10/08/15 10:07	1
Bromomethane	<0.20		1.0	0.20	ug/L			10/08/15 10:07	1
Carbon tetrachloride	<0.50		0.50	0.50	ug/L			10/08/15 10:07	1
Chlorobenzene	<0.50		0.50	0.50	ug/L			10/08/15 10:07	1
Chlorodibromomethane	<0.13		0.50	0.13	ug/L			10/08/15 10:07	1
Chloroethane	<0.22		1.0	0.22	ug/L			10/08/15 10:07	1
Chloroform	<0.20		0.50	0.20	ug/L			10/08/15 10:07	1
Chloromethane	<0.15		0.50	0.15	ug/L			10/08/15 10:07	1
2-Chlorotoluene	<0.11		0.50	0.11	ug/L			10/08/15 10:07	1
4-Chlorotoluene	<0.13		0.50	0.13	ug/L			10/08/15 10:07	1
cis-1,2-Dichloroethene	<0.50		0.50	0.50	ug/L			10/08/15 10:07	1
cis-1,3-Dichloropropene	<0.081		0.50	0.081	ug/L			10/08/15 10:07	1
Dibromomethane	<0.16		0.50	0.16	ug/L			10/08/15 10:07	1
1,2-Dichlorobenzene	<0.50		0.50	0.50	ug/L			10/08/15 10:07	1
1,3-Dichlorobenzene	<0.11		0.50	0.11	ug/L			10/08/15 10:07	1
1,4-Dichlorobenzene	<0.50		0.50	0.50	ug/L			10/08/15 10:07	1
Dichlorobromomethane	<0.079		0.50	0.079	ug/L			10/08/15 10:07	1
1,1-Dichloroethane	<0.50		0.50	0.50	ug/L			10/08/15 10:07	1
1,2-Dichloroethane	<0.50		0.50	0.50	ug/L			10/08/15 10:07	1
1,1-Dichloroethene	<0.50		0.50	0.50	ug/L			10/08/15 10:07	1
1,2-Dichloropropane	<0.50		0.50	0.50	ug/L			10/08/15 10:07	1
1,3-Dichloropropane	<0.10		0.50	0.10	ug/L			10/08/15 10:07	1
2,2-Dichloropropane	<0.20		0.50	0.20	ug/L			10/08/15 10:07	1
1,1-Dichloropropene	<0.095		0.50	0.095	ug/L			10/08/15 10:07	1
Ethylbenzene	<0.50		0.50	0.50	ug/L			10/08/15 10:07	1
Methylene Chloride	<0.50		0.50	0.50	ug/L			10/08/15 10:07	1
Methyl tert-butyl ether	<0.50		0.50	0.50	ug/L			10/08/15 10:07	1
m-Xylene & p-Xylene	<0.50		0.50	0.50	ug/L			10/08/15 10:07	1
o-Xylene	<0.50		0.50	0.50	ug/L			10/08/15 10:07	1
Styrene	<0.50		0.50	0.50	ug/L			10/08/15 10:07	1
1,1,1,2-Tetrachloroethane	<0.50		0.50	0.50	ug/L			10/08/15 10:07	1
1,1,2,2-Tetrachloroethane	<0.50		0.50	0.50	ug/L			10/08/15 10:07	1
Tetrachloroethene	<0.50		0.50	0.50	ug/L			10/08/15 10:07	1
Toluene	<0.50		0.50	0.50	ug/L			10/08/15 10:07	1
trans-1,2-Dichloroethene	<0.50		0.50	0.50	ug/L			10/08/15 10:07	1
trans-1,3-Dichloropropene	<0.11		0.50	0.11	ug/L			10/08/15 10:07	1
1,2,4-Trichlorobenzene	<0.50		0.50	0.50	ug/L			10/08/15 10:07	1
1,1,1-Trichloroethane	<0.50		0.50	0.50	ug/L			10/08/15 10:07	1
1,1,2-Trichloroethane	<0.50		0.50	0.50	ug/L			10/08/15 10:07	1
Trichloroethene	<0.50		0.50	0.50	ug/L			10/08/15 10:07	1
1,2,3-Trichloropropane	<0.17		0.50	0.17	ug/L			10/08/15 10:07	1
Vinyl chloride	<0.50		0.50	0.50	ug/L			10/08/15 10:07	1
Xylenes, Total	<0.50		0.50	0.50	ug/L			10/08/15 10:07	1

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 680-404775/9
Matrix: Water
Analysis Batch: 404775

Client Sample ID: Method Blank
Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	*96*		*70 - 130*		*10/08/15 10:07*	*1*
1,2-Dichlorobenzene-d4 (Surr)	*94*		*70 - 130*		*10/08/15 10:07*	*1*

Lab Sample ID: LCS 680-404775/4
Matrix: Water
Analysis Batch: 404775

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	20.0	20.3		ug/L		102	70 - 130
Bromobenzene	20.0	19.8		ug/L		99	70 - 130
Bromoform	20.0	20.0		ug/L		100	70 - 130
Bromomethane	20.0	18.6		ug/L		93	70 - 130
Carbon tetrachloride	20.0	23.2		ug/L		116	70 - 130
Chlorobenzene	20.0	20.2		ug/L		101	70 - 130
Chlorodibromomethane	20.0	20.7		ug/L		103	70 - 130
Chloroethane	20.0	19.1		ug/L		96	70 - 130
Chloroform	20.0	20.7		ug/L		103	70 - 130
Chloromethane	20.0	21.1		ug/L		106	70 - 130
2-Chlorotoluene	20.0	20.7		ug/L		104	70 - 130
4-Chlorotoluene	20.0	20.4		ug/L		102	70 - 130
cis-1,2-Dichloroethene	20.0	20.8		ug/L		104	70 - 130
cis-1,3-Dichloropropene	20.0	22.0		ug/L		110	70 - 130
Dibromomethane	20.0	19.4		ug/L		97	70 - 130
1,2-Dichlorobenzene	20.0	19.7		ug/L		99	70 - 130
1,3-Dichlorobenzene	20.0	19.6		ug/L		98	70 - 130
1,4-Dichlorobenzene	20.0	19.9		ug/L		99	70 - 130
Dichlorobromomethane	20.0	21.3		ug/L		106	70 - 130
1,1-Dichloroethane	20.0	20.5		ug/L		102	70 - 130
1,2-Dichloroethane	20.0	20.2		ug/L		101	70 - 130
1,1-Dichloroethene	20.0	20.5		ug/L		102	70 - 130
1,2-Dichloropropane	20.0	20.3		ug/L		101	70 - 130
1,3-Dichloropropane	20.0	19.7		ug/L		98	70 - 130
2,2-Dichloropropane	20.0	22.7		ug/L		113	70 - 130
1,1-Dichloropropene	20.0	21.4		ug/L		107	70 - 130
Ethylbenzene	20.0	21.1		ug/L		106	70 - 130
Methylene Chloride	20.0	19.3		ug/L		96	70 - 130
Methyl tert-butyl ether	20.0	20.0		ug/L		100	70 - 130
m-Xylene & p-Xylene	20.0	20.9		ug/L		105	70 - 130
o-Xylene	20.0	20.8		ug/L		104	70 - 130
Styrene	20.0	20.5		ug/L		102	70 - 130
1,1,1,2-Tetrachloroethane	20.0	20.5		ug/L		103	70 - 130
1,1,2,2-Tetrachloroethane	20.0	18.6		ug/L		93	70 - 130
Tetrachloroethene	20.0	20.4		ug/L		102	70 - 130
Toluene	20.0	20.4		ug/L		102	70 - 130
trans-1,2-Dichloroethene	20.0	20.3		ug/L		102	70 - 130
trans-1,3-Dichloropropene	20.0	21.8		ug/L		109	70 - 130
1,2,4-Trichlorobenzene	20.0	20.7		ug/L		103	70 - 130
1,1,1-Trichloroethane	20.0	21.9		ug/L		110	70 - 130

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 680-404775/4
Matrix: Water
Analysis Batch: 404775

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,2-Trichloroethane	20.0	19.8		ug/L		99	70 - 130
Trichloroethene	20.0	20.6		ug/L		103	70 - 130
1,2,3-Trichloropropane	20.0	18.9		ug/L		95	70 - 130
Vinyl chloride	20.0	21.8		ug/L		109	70 - 130
Xylenes, Total	40.0	41.7		ug/L		104	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*99*		*70 - 130*
1,2-Dichlorobenzene-d4 (Surr)	*96*		*70 - 130*

Lab Sample ID: LCSD 680-404775/5
Matrix: Water
Analysis Batch: 404775

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	20.0	21.5		ug/L		107	70 - 130	6	30
Bromobenzene	20.0	21.3		ug/L		107	70 - 130	7	30
Bromoform	20.0	21.5		ug/L		107	70 - 130	7	30
Bromomethane	20.0	19.6		ug/L		98	70 - 130	5	30
Carbon tetrachloride	20.0	24.2		ug/L		121	70 - 130	4	30
Chlorobenzene	20.0	21.6		ug/L		108	70 - 130	7	30
Chlorodibromomethane	20.0	22.1		ug/L		110	70 - 130	7	30
Chloroethane	20.0	20.1		ug/L		100	70 - 130	5	30
Chloroform	20.0	21.5		ug/L		108	70 - 130	4	30
Chloromethane	20.0	21.1		ug/L		105	70 - 130	0	30
2-Chlorotoluene	20.0	22.2		ug/L		111	70 - 130	7	30
4-Chlorotoluene	20.0	22.3		ug/L		111	70 - 130	9	30
cis-1,2-Dichloroethene	20.0	22.1		ug/L		110	70 - 130	6	30
cis-1,3-Dichloropropene	20.0	23.8		ug/L		119	70 - 130	8	30
Dibromomethane	20.0	20.6		ug/L		103	70 - 130	6	30
1,2-Dichlorobenzene	20.0	21.2		ug/L		106	70 - 130	7	30
1,3-Dichlorobenzene	20.0	21.4		ug/L		107	70 - 130	8	30
1,4-Dichlorobenzene	20.0	21.3		ug/L		107	70 - 130	7	30
Dichlorobromomethane	20.0	22.1		ug/L		110	70 - 130	4	30
1,1-Dichloroethane	20.0	21.9		ug/L		109	70 - 130	7	30
1,2-Dichloroethane	20.0	21.3		ug/L		106	70 - 130	5	30
1,1-Dichloroethene	20.0	21.4		ug/L		107	70 - 130	4	30
1,2-Dichloropropane	20.0	21.4		ug/L		107	70 - 130	6	30
1,3-Dichloropropane	20.0	21.2		ug/L		106	70 - 130	8	30
2,2-Dichloropropane	20.0	26.3	*	ug/L		131	70 - 130	15	30
1,1-Dichloropropene	20.0	22.4		ug/L		112	70 - 130	5	30
Ethylbenzene	20.0	22.5		ug/L		112	70 - 130	6	30
Methylene Chloride	20.0	20.4		ug/L		102	70 - 130	6	30
Methyl tert-butyl ether	20.0	21.2		ug/L		106	70 - 130	6	30
m-Xylene & p-Xylene	20.0	22.7		ug/L		113	70 - 130	8	30
o-Xylene	20.0	22.2		ug/L		111	70 - 130	7	30
Styrene	20.0	22.5		ug/L		113	70 - 130	10	30
1,1,1,2-Tetrachloroethane	20.0	21.7		ug/L		108	70 - 130	5	30

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 680-404775/5
Matrix: Water
Analysis Batch: 404775

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,2,2-Tetrachloroethane			20.0	20.7		ug/L		104	70 - 130	11	30
Tetrachloroethene			20.0	21.9		ug/L		110	70 - 130	7	30
Toluene			20.0	21.4		ug/L		107	70 - 130	5	30
trans-1,2-Dichloroethene			20.0	21.5		ug/L		107	70 - 130	5	30
trans-1,3-Dichloropropene			20.0	23.6		ug/L		118	70 - 130	8	30
1,2,4-Trichlorobenzene			20.0	22.7		ug/L		114	70 - 130	10	30
1,1,1-Trichloroethane			20.0	22.8		ug/L		114	70 - 130	4	30
1,1,2-Trichloroethane			20.0	21.2		ug/L		106	70 - 130	7	30
Trichloroethene			20.0	21.3		ug/L		107	70 - 130	3	30
1,2,3-Trichloropropane			20.0	21.2		ug/L		106	70 - 130	11	30
Vinyl chloride			20.0	22.8		ug/L		114	70 - 130	4	30
Xylenes, Total			40.0	44.9		ug/L		112	70 - 130	7	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*105*		*70 - 130*
1,2-Dichlorobenzene-d4 (Surr)	*99*		*70 - 130*

Method: 525.2 - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 680-404970/20-A
Matrix: Water
Analysis Batch: 405128

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 404970

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	<0.20		0.20	0.20	ug/L		10/09/15 07:44	10/09/15 18:38	1
Acenaphthene	<0.040		0.20	0.040	ug/L		10/09/15 07:44	10/09/15 18:38	1
Acenaphthylene	<0.020		0.20	0.020	ug/L		10/09/15 07:44	10/09/15 18:38	1
Alachlor	<0.20		0.20	0.20	ug/L		10/09/15 07:44	10/09/15 18:38	1
Anthracene	<0.023		0.20	0.023	ug/L		10/09/15 07:44	10/09/15 18:38	1
Atrazine	<0.30		0.30	0.30	ug/L		10/09/15 07:44	10/09/15 18:38	1
Benzo[a]anthracene	<0.020		0.10	0.020	ug/L		10/09/15 07:44	10/09/15 18:38	1
Benzo[a]pyrene	<0.10		0.10	0.10	ug/L		10/09/15 07:44	10/09/15 18:38	1
Benzo[b]fluoranthene	<0.022		0.10	0.022	ug/L		10/09/15 07:44	10/09/15 18:38	1
Benzo[g,h,i]perylene	<0.045		0.10	0.045	ug/L		10/09/15 07:44	10/09/15 18:38	1
Benzo[k]fluoranthene	<0.035		0.10	0.035	ug/L		10/09/15 07:44	10/09/15 18:38	1
Bis(2-ethylhexyl) phthalate	<1.8		2.0	1.8	ug/L		10/09/15 07:44	10/09/15 18:38	1
Chrysene	<0.020		0.20	0.020	ug/L		10/09/15 07:44	10/09/15 18:38	1
Di(2-ethylhexyl)adipate	<0.60		1.5	0.60	ug/L		10/09/15 07:44	10/09/15 18:38	1
Dibenz(a,h)anthracene	<0.062		0.10	0.062	ug/L		10/09/15 07:44	10/09/15 18:38	1
Endrin	<0.10		0.50	0.10	ug/L		10/09/15 07:44	10/09/15 18:38	1
Fluoranthene	<0.020		0.20	0.020	ug/L		10/09/15 07:44	10/09/15 18:38	1
Fluorene	<0.020		0.20	0.020	ug/L		10/09/15 07:44	10/09/15 18:38	1
gamma-BHC (Lindane)	<0.10		0.20	0.10	ug/L		10/09/15 07:44	10/09/15 18:38	1
Heptachlor	<0.040		0.20	0.040	ug/L		10/09/15 07:44	10/09/15 18:38	1
Heptachlor epoxide	<0.020		0.40	0.020	ug/L		10/09/15 07:44	10/09/15 18:38	1
Hexachlorobenzene	<0.10		0.20	0.10	ug/L		10/09/15 07:44	10/09/15 18:38	1
Hexachlorocyclopentadiene	<0.50		2.0	0.50	ug/L		10/09/15 07:44	10/09/15 18:38	1
Indeno[1,2,3-cd]pyrene	<0.035		0.10	0.035	ug/L		10/09/15 07:44	10/09/15 18:38	1

Method: 525.2 - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 680-404970/20-A
Matrix: Water
Analysis Batch: 405128

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 404970

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methoxychlor	<0.10		0.50	0.10	ug/L		10/09/15 07:44	10/09/15 18:38	1
Naphthalene	<0.020		0.20	0.020	ug/L		10/09/15 07:44	10/09/15 18:38	1
Phenanthrene	<0.020		0.20	0.020	ug/L		10/09/15 07:44	10/09/15 18:38	1
Pyrene	<0.020		0.20	0.020	ug/L		10/09/15 07:44	10/09/15 18:38	1
Simazine	<0.35		0.50	0.35	ug/L		10/09/15 07:44	10/09/15 18:38	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Nitro-m-xylene	*96*		*70 - 130*	*10/09/15 07:44*	*10/09/15 18:38*	*1*
Acenaphthene-d10 (Surr)	*101*		*70 - 130*	*10/09/15 07:44*	*10/09/15 18:38*	*1*
Chrysene-d12 (Surr)	*106*		*70 - 130*	*10/09/15 07:44*	*10/09/15 18:38*	*1*
Perylene-d12	*72*		*70 - 130*	*10/09/15 07:44*	*10/09/15 18:38*	*1*
Phenanthrene-d10 (Surr)	*106*		*70 - 130*	*10/09/15 07:44*	*10/09/15 18:38*	*1*
Triphenylphosphate	*100*		*70 - 130*	*10/09/15 07:44*	*10/09/15 18:38*	*1*

Lab Sample ID: LCS 680-404970/21-A
Matrix: Water
Analysis Batch: 405128

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 404970

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Methylnaphthalene	5.00	4.66		ug/L		93	70 - 130
Acenaphthene	5.00	4.73		ug/L		95	70 - 130
Acenaphthylene	5.00	4.83		ug/L		97	70 - 130
Alachlor	5.00	4.98		ug/L		100	70 - 130
Anthracene	5.00	4.60		ug/L		92	70 - 130
Atrazine	5.00	5.13		ug/L		103	70 - 130
Benzo[a]anthracene	5.00	4.74		ug/L		95	70 - 130
Benzo[a]pyrene	5.00	4.72		ug/L		94	70 - 130
Benzo[b]fluoranthene	5.00	5.11		ug/L		102	70 - 130
Benzo[g,h,i]perylene	5.00	4.74		ug/L		95	70 - 130
Benzo[k]fluoranthene	5.00	4.91		ug/L		98	70 - 130
Bis(2-ethylhexyl) phthalate	5.00	5.20		ug/L		104	70 - 130
Chrysene	5.00	4.83		ug/L		97	70 - 130
Di(2-ethylhexyl)adipate	5.00	5.24		ug/L		105	70 - 130
Dibenz(a,h)anthracene	5.00	4.24		ug/L		85	70 - 130
Endrin	5.00	4.85		ug/L		97	70 - 130
Fluoranthene	5.00	5.26		ug/L		105	70 - 130
Fluorene	5.00	4.94		ug/L		99	70 - 130
gamma-BHC (Lindane)	5.00	4.88		ug/L		98	70 - 130
Heptachlor	5.00	4.98		ug/L		100	70 - 130
Heptachlor epoxide	5.00	5.21		ug/L		104	70 - 130
Hexachlorobenzene	5.00	4.46		ug/L		89	70 - 130
Hexachlorocyclopentadiene	5.00	4.11		ug/L		82	70 - 130
Indeno[1,2,3-cd]pyrene	5.00	4.42		ug/L		88	70 - 130
Methoxychlor	5.00	4.66		ug/L		93	70 - 130
Naphthalene	5.00	4.54		ug/L		91	70 - 130
Phenanthrene	5.00	4.68		ug/L		94	70 - 130
Pyrene	5.00	4.91		ug/L		98	70 - 130
Simazine	5.00	4.47		ug/L		89	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Nitro-m-xylene	98		70 - 130
Acenaphthene-d10 (Surr)	88		70 - 130
Chrysene-d12 (Surr)	95		70 - 130
Perylene-d12	92		70 - 130
Phenanthrene-d10 (Surr)	93		70 - 130
Triphenylphosphate	104		70 - 130

Lab Sample ID: 680-117534-2 MS
Matrix: Water
Analysis Batch: 405128

Client Sample ID: Site 1 R2 L
Prep Type: Total/NA
Prep Batch: 404970

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Methylnaphthalene	<0.20		5.00	4.50		ug/L		90	70 - 130
Acenaphthene	<0.040		5.00	4.57		ug/L		91	70 - 130
Acenaphthylene	<0.020		5.00	4.37		ug/L		87	70 - 130
Alachlor	<0.20	F1 F2	5.00	4.84		ug/L		97	70 - 130
Anthracene	<0.023	F1 F2	5.00	1.43	F1	ug/L		29	70 - 130
Atrazine	<0.30	F1 F2	5.00	4.68		ug/L		94	70 - 130
Benzo[a]anthracene	<0.020		5.00	4.37		ug/L		87	70 - 130
Benzo[a]pyrene	<0.10		5.00	4.23		ug/L		85	70 - 130
Benzo[b]fluoranthene	<0.022		5.00	4.78		ug/L		96	70 - 130
Benzo[g,h,i]perylene	<0.045		5.00	4.46		ug/L		89	70 - 130
Benzo[k]fluoranthene	<0.035		5.00	4.62		ug/L		92	70 - 130
Bis(2-ethylhexyl) phthalate	<1.8	F1	5.00	5.29		ug/L		106	70 - 130
Chrysene	<0.020		5.00	4.65		ug/L		93	70 - 130
Di(2-ethylhexyl)adipate	1.5	F1 F2	5.00	5.19		ug/L		74	70 - 130
Dibenz(a,h)anthracene	<0.062		5.00	4.05		ug/L		81	70 - 130
Endrin	<0.10		5.00	4.84		ug/L		97	70 - 130
Fluoranthene	<0.020	F1 F2	5.00	5.01		ug/L		100	70 - 130
Fluorene	<0.020		5.00	4.89		ug/L		98	70 - 130
gamma-BHC (Lindane)	<0.10	F1 F2	5.00	4.78		ug/L		96	70 - 130
Heptachlor	<0.040		5.00	4.33		ug/L		87	70 - 130
Heptachlor epoxide	<0.020		5.00	5.13		ug/L		103	70 - 130
Hexachlorobenzene	<0.10	F2	5.00	3.74		ug/L		75	70 - 130
Hexachlorocyclopentadiene	<0.50	F1 F2	5.00	3.25	F1	ug/L		65	70 - 130
Indeno[1,2,3-cd]pyrene	<0.035		5.00	4.11		ug/L		82	70 - 130
Methoxychlor	<0.10		5.00	4.79		ug/L		96	70 - 130
Naphthalene	<0.020		5.00	4.41		ug/L		88	70 - 130
Phenanthrene	<0.020		5.00	4.52		ug/L		90	70 - 130
Pyrene	<0.020		5.00	4.49		ug/L		90	70 - 130
Simazine	<0.35	F1 F2	5.00	4.62		ug/L		92	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
2-Nitro-m-xylene	101		70 - 130
Acenaphthene-d10 (Surr)	74		70 - 130
Chrysene-d12 (Surr)	77		70 - 130
Perylene-d12	88		70 - 130
Phenanthrene-d10 (Surr)	80		70 - 130
Triphenylphosphate	109		70 - 130

Method: 525.2 - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 680-117534-2 MSD
Matrix: Water
Analysis Batch: 405128

Client Sample ID: Site 1 R2 L
Prep Type: Total/NA
Prep Batch: 404970

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2-Methylnaphthalene	<0.20		5.00	4.09	*	ug/L		82	70 - 130	10	30
Acenaphthene	<0.040		5.00	4.18	*	ug/L		84	70 - 130	9	30
Acenaphthylene	<0.020		5.00	3.70	*	ug/L		74	70 - 130	17	30
Alachlor	<0.20	F1 F2	5.00	3.11	F1 F2 *	ug/L		62	70 - 130	43	30
Anthracene	<0.023	F1 F2	5.00	2.04	F1 F2 *	ug/L		41	70 - 130	35	30
Atrazine	<0.30	F1 F2	5.00	3.37	F1 F2 *	ug/L		67	70 - 130	33	30
Benzo[a]anthracene	<0.020		5.00	4.83	*	ug/L		97	70 - 130	10	30
Benzo[a]pyrene	<0.10		5.00	4.65	*	ug/L		93	70 - 130	9	30
Benzo[b]fluoranthene	<0.022		5.00	5.13	*	ug/L		103	70 - 130	7	30
Benzo[g,h,i]perylene	<0.045		5.00	4.72	*	ug/L		94	70 - 130	6	30
Benzo[k]fluoranthene	<0.035		5.00	5.13	*	ug/L		103	70 - 130	11	30
Bis(2-ethylhexyl) phthalate	<1.8	F1	5.00	6.72	F1 *	ug/L		134	70 - 130	24	30
Chrysene	<0.020		5.00	4.90	*	ug/L		98	70 - 130	5	30
Di(2-ethylhexyl)adipate	1.5	F1 F2	5.00	8.32	F1 F2 *	ug/L		137	70 - 130	46	30
Dibenz(a,h)anthracene	<0.062		5.00	4.26	*	ug/L		85	70 - 130	5	30
Endrin	<0.10		5.00	3.61	*	ug/L		72	70 - 130	29	30
Fluoranthene	<0.020	F1 F2	5.00	6.83	F1 F2 *	ug/L		137	70 - 130	31	30
Fluorene	<0.020		5.00	4.67	*	ug/L		93	70 - 130	5	30
gamma-BHC (Lindane)	<0.10	F1 F2	5.00	3.08	F1 F2 *	ug/L		62	70 - 130	43	30
Heptachlor	<0.040		5.00	5.34	*	ug/L		107	70 - 130	21	30
Heptachlor epoxide	<0.020		5.00	4.73	*	ug/L		95	70 - 130	8	30
Hexachlorobenzene	<0.10	F2	5.00	5.70	F2 *	ug/L		114	70 - 130	42	30
Hexachlorocyclopentadiene	<0.50	F1 F2	5.00	5.28	F2 *	ug/L		106	70 - 130	48	30
Indeno[1,2,3-cd]pyrene	<0.035		5.00	4.27	*	ug/L		85	70 - 130	4	30
Methoxychlor	<0.10		5.00	4.64	*	ug/L		93	70 - 130	3	30
Naphthalene	<0.020		5.00	3.61	*	ug/L		72	70 - 130	20	30
Phenanthrene	<0.020		5.00	4.37	*	ug/L		87	70 - 130	3	30
Pyrene	<0.020		5.00	5.37	*	ug/L		107	70 - 130	18	30
Simazine	<0.35	F1 F2	5.00	3.01	F1 F2 *	ug/L		60	70 - 130	42	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Nitro-m-xylene	*84*	*	*70 - 130*
Acenaphthene-d10 (Surr)	*23*	*X*	*70 - 130*
Chrysene-d12 (Surr)	*33*	*X*	*70 - 130*
Perylene-d12	*81*	*	*70 - 130*
Phenanthrene-d10 (Surr)	*29*	*X*	*70 - 130*
Triphenylphosphate	*75*	*	*70 - 130*

Lab Sample ID: MB 680-406621/17-A
Matrix: Water
Analysis Batch: 406907

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 406621

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	<0.20		0.20	0.20	ug/L		10/21/15 07:40	10/22/15 19:37	1
Acenaphthene	<0.040		0.20	0.040	ug/L		10/21/15 07:40	10/22/15 19:37	1
Acenaphthylene	<0.020		0.20	0.020	ug/L		10/21/15 07:40	10/22/15 19:37	1
Alachlor	<0.20		0.20	0.20	ug/L		10/21/15 07:40	10/22/15 19:37	1
Anthracene	<0.023		0.20	0.023	ug/L		10/21/15 07:40	10/22/15 19:37	1

Method: 525.2 - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 680-406621/17-A
Matrix: Water
Analysis Batch: 406907

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 406621

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Atrazine	<0.30		0.30	0.30	ug/L		10/21/15 07:40	10/22/15 19:37	1
Benzo[a]anthracene	<0.020		0.10	0.020	ug/L		10/21/15 07:40	10/22/15 19:37	1
Benzo[a]pyrene	<0.10		0.10	0.10	ug/L		10/21/15 07:40	10/22/15 19:37	1
Benzo[b]fluoranthene	<0.022		0.10	0.022	ug/L		10/21/15 07:40	10/22/15 19:37	1
Benzo[g,h,i]perylene	<0.045		0.10	0.045	ug/L		10/21/15 07:40	10/22/15 19:37	1
Benzo[k]fluoranthene	<0.035		0.10	0.035	ug/L		10/21/15 07:40	10/22/15 19:37	1
Bis(2-ethylhexyl) phthalate	<1.8		2.0	1.8	ug/L		10/21/15 07:40	10/22/15 19:37	1
Chrysene	<0.020		0.20	0.020	ug/L		10/21/15 07:40	10/22/15 19:37	1
Di(2-ethylhexyl)adipate	<0.60		1.5	0.60	ug/L		10/21/15 07:40	10/22/15 19:37	1
Dibenz(a,h)anthracene	<0.062		0.10	0.062	ug/L		10/21/15 07:40	10/22/15 19:37	1
Endrin	<0.10		0.50	0.10	ug/L		10/21/15 07:40	10/22/15 19:37	1
Fluoranthene	<0.020		0.20	0.020	ug/L		10/21/15 07:40	10/22/15 19:37	1
Fluorene	<0.020		0.20	0.020	ug/L		10/21/15 07:40	10/22/15 19:37	1
gamma-BHC (Lindane)	<0.10		0.20	0.10	ug/L		10/21/15 07:40	10/22/15 19:37	1
Heptachlor	<0.040		0.20	0.040	ug/L		10/21/15 07:40	10/22/15 19:37	1
Heptachlor epoxide	<0.020		0.40	0.020	ug/L		10/21/15 07:40	10/22/15 19:37	1
Hexachlorobenzene	<0.10		0.20	0.10	ug/L		10/21/15 07:40	10/22/15 19:37	1
Hexachlorocyclopentadiene	<0.50		2.0	0.50	ug/L		10/21/15 07:40	10/22/15 19:37	1
Indeno[1,2,3-cd]pyrene	<0.035		0.10	0.035	ug/L		10/21/15 07:40	10/22/15 19:37	1
Methoxychlor	<0.10		0.50	0.10	ug/L		10/21/15 07:40	10/22/15 19:37	1
Naphthalene	<0.020		0.20	0.020	ug/L		10/21/15 07:40	10/22/15 19:37	1
Phenanthrene	<0.020		0.20	0.020	ug/L		10/21/15 07:40	10/22/15 19:37	1
Pyrene	<0.020		0.20	0.020	ug/L		10/21/15 07:40	10/22/15 19:37	1
Simazine	<0.35		0.50	0.35	ug/L		10/21/15 07:40	10/22/15 19:37	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Nitro-m-xylene	*92*		*70 - 130*	*10/21/15 07:40*	*10/22/15 19:37*	*1*
Acenaphthene-d10 (Surr)	*104*		*70 - 130*	*10/21/15 07:40*	*10/22/15 19:37*	*1*
Chrysene-d12 (Surr)	*97*		*70 - 130*	*10/21/15 07:40*	*10/22/15 19:37*	*1*
Perylene-d12	*88*		*70 - 130*	*10/21/15 07:40*	*10/22/15 19:37*	*1*
Phenanthrene-d10 (Surr)	*107*		*70 - 130*	*10/21/15 07:40*	*10/22/15 19:37*	*1*
Triphenylphosphate	*102*		*70 - 130*	*10/21/15 07:40*	*10/22/15 19:37*	*1*

Lab Sample ID: LCS 680-406621/18-A
Matrix: Water
Analysis Batch: 406907

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 406621

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Methylnaphthalene	5.00	4.39		ug/L		88	70 - 130
Acenaphthene	5.00	4.42		ug/L		88	70 - 130
Acenaphthylene	5.00	4.64		ug/L		93	70 - 130
Alachlor	5.00	4.39		ug/L		88	70 - 130
Anthracene	5.00	4.41		ug/L		88	70 - 130
Atrazine	5.00	4.34		ug/L		87	70 - 130
Benzo[a]anthracene	5.00	4.48		ug/L		90	70 - 130
Benzo[a]pyrene	5.00	4.70		ug/L		94	70 - 130
Benzo[b]fluoranthene	5.00	4.91		ug/L		98	70 - 130
Benzo[g,h,i]perylene	5.00	4.99		ug/L		100	70 - 130

Method: 525.2 - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 680-406621/18-A
Matrix: Water
Analysis Batch: 406907

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 406621

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzo[k]fluoranthene	5.00	4.80		ug/L		96	70 - 130
Bis(2-ethylhexyl) phthalate	5.00	5.19		ug/L		104	70 - 130
Chrysene	5.00	4.66		ug/L		93	70 - 130
Di(2-ethylhexyl)adipate	5.00	5.29		ug/L		106	70 - 130
Dibenz(a,h)anthracene	5.00	5.06		ug/L		101	70 - 130
Endrin	5.00	4.60		ug/L		92	70 - 130
Fluoranthene	5.00	4.67		ug/L		93	70 - 130
Fluorene	5.00	4.79		ug/L		96	70 - 130
gamma-BHC (Lindane)	5.00	4.24		ug/L		85	70 - 130
Heptachlor	5.00	4.16		ug/L		83	70 - 130
Heptachlor epoxide	5.00	4.21		ug/L		84	70 - 130
Hexachlorobenzene	5.00	4.48		ug/L		90	70 - 130
Hexachlorocyclopentadiene	5.00	3.73		ug/L		75	70 - 130
Indeno[1,2,3-cd]pyrene	5.00	4.94		ug/L		99	70 - 130
Methoxychlor	5.00	4.85		ug/L		97	70 - 130
Naphthalene	5.00	4.23		ug/L		85	70 - 130
Phenanthrene	5.00	4.42		ug/L		88	70 - 130
Pyrene	5.00	4.21		ug/L		84	70 - 130
Simazine	5.00	4.05		ug/L		81	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Nitro-m-xylene	*94*		*70 - 130*
Acenaphthene-d10 (Surr)	*105*		*70 - 130*
Chrysene-d12 (Surr)	*91*		*70 - 130*
Perylene-d12	*101*		*70 - 130*
Phenanthrene-d10 (Surr)	*109*		*70 - 130*
Triphenylphosphate	*111*		*70 - 130*

QC Association Summary

Client: SCS Engineers
Project/Site: James Park (25214107) Residential Wells

TestAmerica Job ID: 680-117534-1

GC/MS VOA

Analysis Batch: 404775

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117534-1	Site 1 R2 E	Total/NA	Water	524.2	
680-117534-2	Site 1 R2 L	Total/NA	Water	524.2	
680-117534-3	Trip Blank	Total/NA	Water	524.2	
LCS 680-404775/4	Lab Control Sample	Total/NA	Water	524.2	
LCSD 680-404775/5	Lab Control Sample Dup	Total/NA	Water	524.2	
MB 680-404775/9	Method Blank	Total/NA	Water	524.2	

GC/MS Semi VOA

Prep Batch: 404970

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117534-1	Site 1 R2 E	Total/NA	Water	525.2	
680-117534-2	Site 1 R2 L	Total/NA	Water	525.2	
680-117534-2 MS	Site 1 R2 L	Total/NA	Water	525.2	
680-117534-2 MSD	Site 1 R2 L	Total/NA	Water	525.2	
LCS 680-404970/21-A	Lab Control Sample	Total/NA	Water	525.2	
MB 680-404970/20-A	Method Blank	Total/NA	Water	525.2	

Analysis Batch: 405128

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117534-2	Site 1 R2 L	Total/NA	Water	525.2	404970
680-117534-2 MS	Site 1 R2 L	Total/NA	Water	525.2	404970
680-117534-2 MSD	Site 1 R2 L	Total/NA	Water	525.2	404970
LCS 680-404970/21-A	Lab Control Sample	Total/NA	Water	525.2	404970
MB 680-404970/20-A	Method Blank	Total/NA	Water	525.2	404970

Analysis Batch: 406133

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117534-1	Site 1 R2 E	Total/NA	Water	525.2	404970

Prep Batch: 406621

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117534-1	Site 1 R2 E	Total/NA	Water	525.2	
LCS 680-406621/18-A	Lab Control Sample	Total/NA	Water	525.2	
MB 680-406621/17-A	Method Blank	Total/NA	Water	525.2	

Analysis Batch: 406907

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117534-1	Site 1 R2 E	Total/NA	Water	525.2	406621
LCS 680-406621/18-A	Lab Control Sample	Total/NA	Water	525.2	406621
MB 680-406621/17-A	Method Blank	Total/NA	Water	525.2	406621

Lab Chronicle

Client: SCS Engineers
Project/Site: James Park (25214107) Residential Wells

TestAmerica Job ID: 680-117534-1

Client Sample ID: Site 1 R2 E

Lab Sample ID: 680-117534-1

Date Collected: 10/06/15 10:03

Matrix: Water

Date Received: 10/07/15 09:14

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	5 mL	5 mL	404775	10/08/15 11:17	JLK	TAL SAV
	Instrument ID: CMSU									
Total/NA	Prep	525.2			1005.7 mL	1 mL	404970	10/09/15 07:44	CMV	TAL SAV
Total/NA	Analysis	525.2		1	1005.7 mL	1 mL	406133	10/16/15 18:40	NED	TAL SAV
	Instrument ID: CMSR									
Total/NA	Prep	525.2			993.9 mL	1 mL	406621	10/21/15 07:40	CMV	TAL SAV
Total/NA	Analysis	525.2		1	993.9 mL	1 mL	406907	10/23/15 03:01	NED	TAL SAV
	Instrument ID: CMSR									

Client Sample ID: Site 1 R2 L

Lab Sample ID: 680-117534-2

Date Collected: 10/06/15 10:20

Matrix: Water

Date Received: 10/07/15 09:14

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	5 mL	5 mL	404775	10/08/15 11:40	JLK	TAL SAV
	Instrument ID: CMSU									
Total/NA	Prep	525.2			500 mL	0.5 mL	404970	10/09/15 07:44	CMV	TAL SAV
Total/NA	Analysis	525.2		1	500 mL	0.5 mL	405128	10/09/15 20:57	NED	TAL SAV
	Instrument ID: CMSR									

Client Sample ID: Trip Blank

Lab Sample ID: 680-117534-3

Date Collected: 10/06/15 00:00

Matrix: Water

Date Received: 10/07/15 09:14

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	5 mL	5 mL	404775	10/08/15 10:57	JLK	TAL SAV
	Instrument ID: CMSU									

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Certification Summary

Client: SCS Engineers
Project/Site: James Park (25214107) Residential Wells

TestAmerica Job ID: 680-117534-1

Laboratory: TestAmerica Savannah

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Wisconsin	State Program	5	999819810	08-31-16

Laboratory: TestAmerica Chicago

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Alabama	State Program	4	40461	04-30-16
California	State Program	9	2903	04-30-16
Georgia	State Program	4	N/A	04-30-16
Georgia	State Program	4	939	04-30-16
Hawaii	State Program	9	N/A	04-30-16
Illinois	NELAP	5	100201	04-30-16
Indiana	State Program	5	C-IL-02	04-30-16
Iowa	State Program	7	82	05-01-16
Kansas	NELAP	7	E-10161	10-31-15 *
Kentucky (UST)	State Program	4	66	04-30-16
Kentucky (WW)	State Program	4	KY90023	12-31-15
Massachusetts	State Program	1	M-IL035	06-30-16
Mississippi	State Program	4	N/A	04-30-16
New York	NELAP	2	IL00035	04-01-16
North Carolina (WW/SW)	State Program	4	291	12-31-15 *
North Dakota	State Program	8	R-194	04-30-16
Oklahoma	State Program	6	8908	08-31-16
South Carolina	State Program	4	77001	04-30-16
USDA	Federal		P330-15-00038	02-11-18
Wisconsin	State Program	5	999580010	08-31-16
Wyoming	State Program	8	8TMS-Q	04-30-16

* Certification renewal pending - certification considered valid.

Method Summary

Client: SCS Engineers
Project/Site: James Park (25214107) Residential Wells

TestAmerica Job ID: 680-117534-1

Method	Method Description	Protocol	Laboratory
524.2	Volatile Organic Compounds (GC/MS)	EPA-DW	TAL SAV
525.2	Semivolatile Organic Compounds (GC/MS)	EPA	TAL SAV

Protocol References:

EPA = US Environmental Protection Agency

EPA-DW = "Methods For The Determination Of Organic Compounds In Drinking Water", EPA/600/4-88/039, December 1988 And Its Supplements.

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

TestAmerica Savannah
5102 LaRoche Avenue

Savannah, GA 31404
phone 912.354.7858 fax 912.352.0165

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Regulatory Program: ☑ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact: Tony Kollasch	**Project Manager:** Dave Hendron	**Site Contact:** Paul Herr	**Date:** 9/4/2015	COC No:
Client: SCS Engineers	**Tel/Fax:** 312-286-9397	**Lab Contact:** Sandra Fredrick	**Carrier:** Fex-Ex	____ of ____ COCs
Address: 2830 Dairy Dr	**Analysis Turnaround Time**			Sampler:
City/State/Zip: Madison, Wi 53718	☐ CALENDAR DAYS ☑ WORKING DAYS			**For Lab Use Only:**
Phone: (608) 224-2830	TAT if different from Below 3 Days			Walk-in Client:
FAX: 608-224-2839	☐ 2 weeks			Lab Sampling:
Project Name: James Park (25214107)	☐ 1 week			
Site: Residential Water Sampling	☐ 2 days			Job / SDG No.:
P O #: ———	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	VOC	SVOC	Sample Specific Notes:
~~Site 2 R2 E~~			GRAB	H_2O		N				
Site 1 R2 E	10-6-15	10:03 Am	Grab	H_2O	5	N		✓	✓	2 amber jars and 3 40z vials per sample
Site 1 R2 L	10-6-15	10:20 Am	Grab	H_2O	5	N		✓	✓	2 amber jars and 3 40z vials per sample
Trip Blank				H_2O	1	N		✓		

680-117534 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H_2SO_4; 4=HNO_3; 5=NaOH; 6= Other

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☑ Archive for 2 Months

Special Instructions/QC Requirements & Comments:

680-117534 3.2(F)3.6°C

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.: 10-6-15		Cooler Temp. (°C): Obs'd:____ Corr'd:____		Therm ID No.:____
Relinquished by: Paul E Herr PAUL E HERR	Company: SCS Engineers	Date/Time: 1:15 pm	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company: TASAV	Date/Time: 10-07-15 0914

Form No. CA-C-WI-002, Rev. 4.2, dated 04/02/2013

Login Sample Receipt Checklist

Client: SCS Engineers

Job Number: 680-117534-1

Login Number: 117534
List Number: 1
Creator: Banda, Christy S

List Source: TestAmerica Savannah

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Tel: (912)354-7858

TestAmerica Job ID: 680-117536-1
Client Project/Site: James Park (25214107) Residential Wells

For:
SCS Engineers
2830 Dairy Dr
Madison, Wisconsin 53718

Attn: Dave Hedron

Authorized for release by:
10/19/2015 12:49:04 PM

Sandie Fredrick, Project Manager II
(920)261-1660
sandie.fredrick@testamericainc.com

Definitions/Glossary

Client: SCS Engineers
Project/Site: James Park (25214107) Residential Wells

TestAmerica Job ID: 680-117536-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
F1	MS and/or MSD Recovery is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Sample Summary

Client: SCS Engineers
Project/Site: James Park (25214107) Residential Wells

TestAmerica Job ID: 680-117536-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-117536-1	Site 7 R2 E	Water	10/06/15 09:18	10/07/15 09:14
680-117536-2	Site 7 R2 L	Water	10/06/15 09:38	10/07/15 09:14
680-117536-3	Trip Blank	Water	10/06/15 00:00	10/07/15 09:14

Job ID: 680-117536-1

Laboratory: TestAmerica Savannah

Narrative

Job Narrative
680-117536-1

Comments
No additional comments.

Receipt
The samples were received on 10/7/2015 9:14 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.2º C.

GC/MS VOA
Method(s) 524.2: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 680-405247.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA
Method(s) 525.2: The laboratory control sample (LCS) for preparation batch 680-405617 and analytical batch 680-406133 recovered outside control limits for the following analytes: Hexachlorocyclopentadiene and Simazine. A low-level LCS (LLCS), spiked at the reporting limit (RL), was prepared with this batch. The affected target analytes recovered within acceptance limits; therefore, the LLCS demonstrates the analytical system had sufficient sensitivity to detect the compounds had they been present. Since the affected target compounds were not detected in the samples, the data have been reported and qualified.

Method(s) 525.2: The reporting limit provided for the following analyte(s) falls below the laboratory's lowest calibration standard: 0.20ug/ml. Results reported below the lowest calibration standard have less certainty (i.e., are estimated). Atrazine, Benzo[a]anthracene, Benzo[a]pyrene, Benzo[b]fluoranthene, Benzo[k]fluoranthene, Benzo[g,h,i]perylene, Dibenz(a,h)anthracene and Indeno[1,2,3-cd]pyrene.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Client Sample ID: Site 7 R2 E

Date Collected: 10/06/15 09:18
Date Received: 10/07/15 09:14

Lab Sample ID: 680-117536-1

Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.50		0.50	0.50	ug/L			10/12/15 12:50	1
Bromobenzene	<0.091		0.50	0.091	ug/L			10/12/15 12:50	1
Bromoform	**0.45**	**J**	0.50	0.17	ug/L			10/12/15 12:50	1
Bromomethane	<0.20		1.0	0.20	ug/L			10/12/15 12:50	1
Carbon tetrachloride	<0.50		0.50	0.50	ug/L			10/12/15 12:50	1
Chlorobenzene	<0.50		0.50	0.50	ug/L			10/12/15 12:50	1
Chlorodibromomethane	**4.9**		0.50	0.13	ug/L			10/12/15 12:50	1
Chloroethane	<0.22		1.0	0.22	ug/L			10/12/15 12:50	1
Chloroform	**9.9**		0.50	0.20	ug/L			10/12/15 12:50	1
Chloromethane	<0.15		0.50	0.15	ug/L			10/12/15 12:50	1
2-Chlorotoluene	<0.11		0.50	0.11	ug/L			10/12/15 12:50	1
4-Chlorotoluene	<0.13		0.50	0.13	ug/L			10/12/15 12:50	1
cis-1,2-Dichloroethene	<0.50		0.50	0.50	ug/L			10/12/15 12:50	1
cis-1,3-Dichloropropene	<0.081		0.50	0.081	ug/L			10/12/15 12:50	1
Dibromomethane	<0.16		0.50	0.16	ug/L			10/12/15 12:50	1
1,2-Dichlorobenzene	<0.50		0.50	0.50	ug/L			10/12/15 12:50	1
1,3-Dichlorobenzene	<0.11		0.50	0.11	ug/L			10/12/15 12:50	1
1,4-Dichlorobenzene	<0.50		0.50	0.50	ug/L			10/12/15 12:50	1
Dichlorobromomethane	**8.5**		0.50	0.079	ug/L			10/12/15 12:50	1
1,1-Dichloroethane	<0.50		0.50	0.50	ug/L			10/12/15 12:50	1
1,2-Dichloroethane	<0.50		0.50	0.50	ug/L			10/12/15 12:50	1
1,1-Dichloroethene	<0.50		0.50	0.50	ug/L			10/12/15 12:50	1
1,2-Dichloropropane	<0.50		0.50	0.50	ug/L			10/12/15 12:50	1
1,3-Dichloropropane	<0.10		0.50	0.10	ug/L			10/12/15 12:50	1
2,2-Dichloropropane	<0.20		0.50	0.20	ug/L			10/12/15 12:50	1
1,1-Dichloropropene	<0.095		0.50	0.095	ug/L			10/12/15 12:50	1
Ethylbenzene	<0.50		0.50	0.50	ug/L			10/12/15 12:50	1
Methylene Chloride	<0.50		0.50	0.50	ug/L			10/12/15 12:50	1
Methyl tert-butyl ether	<0.50		0.50	0.50	ug/L			10/12/15 12:50	1
m-Xylene & p-Xylene	<0.50		0.50	0.50	ug/L			10/12/15 12:50	1
o-Xylene	<0.50		0.50	0.50	ug/L			10/12/15 12:50	1
Styrene	<0.50		0.50	0.50	ug/L			10/12/15 12:50	1
1,1,1,2-Tetrachloroethane	<0.24		0.50	0.24	ug/L			10/12/15 12:50	1
1,1,2,2-Tetrachloroethane	<0.13		0.50	0.13	ug/L			10/12/15 12:50	1
Tetrachloroethene	<0.50		0.50	0.50	ug/L			10/12/15 12:50	1
Toluene	<0.50		0.50	0.50	ug/L			10/12/15 12:50	1
trans-1,2-Dichloroethene	<0.50		0.50	0.50	ug/L			10/12/15 12:50	1
trans-1,3-Dichloropropene	<0.11		0.50	0.11	ug/L			10/12/15 12:50	1
1,2,4-Trichlorobenzene	<0.50		0.50	0.50	ug/L			10/12/15 12:50	1
1,1,1-Trichloroethane	<0.50		0.50	0.50	ug/L			10/12/15 12:50	1
1,1,2-Trichloroethane	<0.50		0.50	0.50	ug/L			10/12/15 12:50	1
Trichloroethene	<0.50		0.50	0.50	ug/L			10/12/15 12:50	1
1,2,3-Trichloropropane	<0.17		0.50	0.17	ug/L			10/12/15 12:50	1
Vinyl chloride	<0.50		0.50	0.50	ug/L			10/12/15 12:50	1
Xylenes, Total	<0.50		0.50	0.50	ug/L			10/12/15 12:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*		*70 - 130*		*10/12/15 12:50*	*1*
1,2-Dichlorobenzene-d4 (Surr)	*96*		*70 - 130*		*10/12/15 12:50*	*1*

Client Sample ID: Site 7 R2 E

Date Collected: 10/06/15 09:18
Date Received: 10/07/15 09:14

Lab Sample ID: 680-117536-1

Matrix: Water

Method: 525.2 - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	<0.20		0.20	0.20	ug/L		10/14/15 07:47	10/16/15 22:49	1
Acenaphthene	<0.040		0.20	0.040	ug/L		10/14/15 07:47	10/16/15 22:49	1
Acenaphthylene	<0.020		0.20	0.020	ug/L		10/14/15 07:47	10/16/15 22:49	1
Alachlor	<0.20		0.20	0.20	ug/L		10/14/15 07:47	10/16/15 22:49	1
Anthracene	<0.023		0.20	0.023	ug/L		10/14/15 07:47	10/16/15 22:49	1
Atrazine	<0.30		0.30	0.30	ug/L		10/14/15 07:47	10/16/15 22:49	1
Benzo[a]anthracene	<0.020		0.10	0.020	ug/L		10/14/15 07:47	10/16/15 22:49	1
Benzo[a]pyrene	<0.10		0.10	0.10	ug/L		10/14/15 07:47	10/16/15 22:49	1
Benzo[b]fluoranthene	<0.022		0.10	0.022	ug/L		10/14/15 07:47	10/16/15 22:49	1
Benzo[g,h,i]perylene	<0.045		0.10	0.045	ug/L		10/14/15 07:47	10/16/15 22:49	1
Benzo[k]fluoranthene	<0.035		0.10	0.035	ug/L		10/14/15 07:47	10/16/15 22:49	1
Bis(2-ethylhexyl) phthalate	<1.8		2.0	1.8	ug/L		10/14/15 07:47	10/16/15 22:49	1
Chrysene	<0.020		0.20	0.020	ug/L		10/14/15 07:47	10/16/15 22:49	1
Di(2-ethylhexyl)adipate	<0.60		1.5	0.60	ug/L		10/14/15 07:47	10/16/15 22:49	1
Dibenz(a,h)anthracene	<0.062		0.10	0.062	ug/L		10/14/15 07:47	10/16/15 22:49	1
Endrin	<0.10		0.50	0.10	ug/L		10/14/15 07:47	10/16/15 22:49	1
Fluoranthene	<0.020		0.20	0.020	ug/L		10/14/15 07:47	10/16/15 22:49	1
Fluorene	<0.020		0.20	0.020	ug/L		10/14/15 07:47	10/16/15 22:49	1
gamma-BHC (Lindane)	<0.10		0.20	0.10	ug/L		10/14/15 07:47	10/16/15 22:49	1
Heptachlor	<0.040		0.20	0.040	ug/L		10/14/15 07:47	10/16/15 22:49	1
Heptachlor epoxide	<0.020		0.40	0.020	ug/L		10/14/15 07:47	10/16/15 22:49	1
Hexachlorobenzene	<0.10		0.20	0.10	ug/L		10/14/15 07:47	10/16/15 22:49	1
Hexachlorocyclopentadiene	<0.50	*	2.0	0.50	ug/L		10/14/15 07:47	10/16/15 22:49	1
Indeno[1,2,3-cd]pyrene	<0.035		0.10	0.035	ug/L		10/14/15 07:47	10/16/15 22:49	1
Methoxychlor	<0.10		0.50	0.10	ug/L		10/14/15 07:47	10/16/15 22:49	1
Naphthalene	<0.020		0.20	0.020	ug/L		10/14/15 07:47	10/16/15 22:49	1
Phenanthrene	<0.020		0.20	0.020	ug/L		10/14/15 07:47	10/16/15 22:49	1
Pyrene	<0.020		0.20	0.020	ug/L		10/14/15 07:47	10/16/15 22:49	1
Simazine	<0.35	*	0.50	0.35	ug/L		10/14/15 07:47	10/16/15 22:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Nitro-m-xylene	*92*		*70 - 130*	*10/14/15 07:47*	*10/16/15 22:49*	*1*
Acenaphthene-d10 (Surr)	*88*		*70 - 130*	*10/14/15 07:47*	*10/16/15 22:49*	*1*
Chrysene-d12 (Surr)	*111*		*70 - 130*	*10/14/15 07:47*	*10/16/15 22:49*	*1*
Perylene-d12	*89*		*70 - 130*	*10/14/15 07:47*	*10/16/15 22:49*	*1*
Phenanthrene-d10 (Surr)	*99*		*70 - 130*	*10/14/15 07:47*	*10/16/15 22:49*	*1*
Triphenylphosphate	*92*		*70 - 130*	*10/14/15 07:47*	*10/16/15 22:49*	*1*

Client Sample ID: Site 7 R2 L

Date Collected: 10/06/15 09:38
Date Received: 10/07/15 09:14

Lab Sample ID: 680-117536-2

Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.50		0.50	0.50	ug/L			10/12/15 13:11	1
Bromobenzene	<0.091		0.50	0.091	ug/L			10/12/15 13:11	1
Bromoform	**0.46**	**J**	0.50	0.17	ug/L			10/12/15 13:11	1
Bromomethane	<0.20		1.0	0.20	ug/L			10/12/15 13:11	1
Carbon tetrachloride	<0.50		0.50	0.50	ug/L			10/12/15 13:11	1
Chlorobenzene	<0.50		0.50	0.50	ug/L			10/12/15 13:11	1

Client Sample ID: Site 7 R2 L
Date Collected: 10/06/15 09:38
Date Received: 10/07/15 09:14

Lab Sample ID: 680-117536-2
Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorodibromomethane	**4.3**		0.50	0.13	ug/L			10/12/15 13:11	1
Chloroethane	<0.22		1.0	0.22	ug/L			10/12/15 13:11	1
Chloroform	**8.6**		0.50	0.20	ug/L			10/12/15 13:11	1
Chloromethane	<0.15		0.50	0.15	ug/L			10/12/15 13:11	1
2-Chlorotoluene	<0.11		0.50	0.11	ug/L			10/12/15 13:11	1
4-Chlorotoluene	<0.13		0.50	0.13	ug/L			10/12/15 13:11	1
cis-1,2-Dichloroethene	<0.50		0.50	0.50	ug/L			10/12/15 13:11	1
cis-1,3-Dichloropropene	<0.081		0.50	0.081	ug/L			10/12/15 13:11	1
Dibromomethane	<0.16		0.50	0.16	ug/L			10/12/15 13:11	1
1,2-Dichlorobenzene	<0.50		0.50	0.50	ug/L			10/12/15 13:11	1
1,3-Dichlorobenzene	<0.11		0.50	0.11	ug/L			10/12/15 13:11	1
1,4-Dichlorobenzene	<0.50		0.50	0.50	ug/L			10/12/15 13:11	1
Dichlorobromomethane	**8.3**		0.50	0.079	ug/L			10/12/15 13:11	1
1,1-Dichloroethane	<0.50		0.50	0.50	ug/L			10/12/15 13:11	1
1,2-Dichloroethane	<0.50		0.50	0.50	ug/L			10/12/15 13:11	1
1,1-Dichloroethene	<0.50		0.50	0.50	ug/L			10/12/15 13:11	1
1,2-Dichloropropane	<0.50		0.50	0.50	ug/L			10/12/15 13:11	1
1,3-Dichloropropane	<0.10		0.50	0.10	ug/L			10/12/15 13:11	1
2,2-Dichloropropane	<0.20		0.50	0.20	ug/L			10/12/15 13:11	1
1,1-Dichloropropene	<0.095		0.50	0.095	ug/L			10/12/15 13:11	1
Ethylbenzene	<0.50		0.50	0.50	ug/L			10/12/15 13:11	1
Methylene Chloride	<0.50		0.50	0.50	ug/L			10/12/15 13:11	1
Methyl tert-butyl ether	<0.50		0.50	0.50	ug/L			10/12/15 13:11	1
m-Xylene & p-Xylene	<0.50		0.50	0.50	ug/L			10/12/15 13:11	1
o-Xylene	<0.50		0.50	0.50	ug/L			10/12/15 13:11	1
Styrene	<0.50		0.50	0.50	ug/L			10/12/15 13:11	1
1,1,1,2-Tetrachloroethane	<0.24		0.50	0.24	ug/L			10/12/15 13:11	1
1,1,2,2-Tetrachloroethane	<0.13		0.50	0.13	ug/L			10/12/15 13:11	1
Tetrachloroethene	<0.50		0.50	0.50	ug/L			10/12/15 13:11	1
Toluene	<0.50		0.50	0.50	ug/L			10/12/15 13:11	1
trans-1,2-Dichloroethene	<0.50		0.50	0.50	ug/L			10/12/15 13:11	1
trans-1,3-Dichloropropene	<0.11		0.50	0.11	ug/L			10/12/15 13:11	1
1,2,4-Trichlorobenzene	<0.50		0.50	0.50	ug/L			10/12/15 13:11	1
1,1,1-Trichloroethane	<0.50		0.50	0.50	ug/L			10/12/15 13:11	1
1,1,2-Trichloroethane	<0.50		0.50	0.50	ug/L			10/12/15 13:11	1
Trichloroethene	<0.50		0.50	0.50	ug/L			10/12/15 13:11	1
1,2,3-Trichloropropane	<0.17		0.50	0.17	ug/L			10/12/15 13:11	1
Vinyl chloride	<0.50		0.50	0.50	ug/L			10/12/15 13:11	1
Xylenes, Total	<0.50		0.50	0.50	ug/L			10/12/15 13:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*70 - 130*		*10/12/15 13:11*	*1*
1,2-Dichlorobenzene-d4 (Surr)	*93*		*70 - 130*		*10/12/15 13:11*	*1*

Method: 525.2 - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	<0.20		0.20	0.20	ug/L		10/14/15 07:47	10/16/15 23:16	1
Acenaphthene	<0.040		0.20	0.040	ug/L		10/14/15 07:47	10/16/15 23:16	1
Acenaphthylene	<0.020		0.20	0.020	ug/L		10/14/15 07:47	10/16/15 23:16	1
Alachlor	<0.20		0.20	0.20	ug/L		10/14/15 07:47	10/16/15 23:16	1

Client Sample ID: Site 7 R2 L

Date Collected: 10/06/15 09:38
Date Received: 10/07/15 09:14

Lab Sample ID: 680-117536-2
Matrix: Water

Method: 525.2 - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	<0.023		0.20	0.023	ug/L		10/14/15 07:47	10/16/15 23:16	1
Atrazine	<0.30		0.30	0.30	ug/L		10/14/15 07:47	10/16/15 23:16	1
Benzo[a]anthracene	<0.020		0.10	0.020	ug/L		10/14/15 07:47	10/16/15 23:16	1
Benzo[a]pyrene	<0.10		0.10	0.10	ug/L		10/14/15 07:47	10/16/15 23:16	1
Benzo[b]fluoranthene	<0.022		0.10	0.022	ug/L		10/14/15 07:47	10/16/15 23:16	1
Benzo[g,h,i]perylene	<0.045		0.10	0.045	ug/L		10/14/15 07:47	10/16/15 23:16	1
Benzo[k]fluoranthene	<0.035		0.10	0.035	ug/L		10/14/15 07:47	10/16/15 23:16	1
Bis(2-ethylhexyl) phthalate	<1.8		2.0	1.8	ug/L		10/14/15 07:47	10/16/15 23:16	1
Chrysene	<0.020		0.20	0.020	ug/L		10/14/15 07:47	10/16/15 23:16	1
Di(2-ethylhexyl)adipate	<0.60		1.5	0.60	ug/L		10/14/15 07:47	10/16/15 23:16	1
Dibenz(a,h)anthracene	<0.062		0.10	0.062	ug/L		10/14/15 07:47	10/16/15 23:16	1
Endrin	<0.10	F1	0.50	0.10	ug/L		10/14/15 07:47	10/16/15 23:16	1
Fluoranthene	<0.020		0.20	0.020	ug/L		10/14/15 07:47	10/16/15 23:16	1
Fluorene	<0.020		0.20	0.020	ug/L		10/14/15 07:47	10/16/15 23:16	1
gamma-BHC (Lindane)	<0.10		0.20	0.10	ug/L		10/14/15 07:47	10/16/15 23:16	1
Heptachlor	<0.040		0.20	0.040	ug/L		10/14/15 07:47	10/16/15 23:16	1
Heptachlor epoxide	<0.020		0.40	0.020	ug/L		10/14/15 07:47	10/16/15 23:16	1
Hexachlorobenzene	<0.10		0.20	0.10	ug/L		10/14/15 07:47	10/16/15 23:16	1
Hexachlorocyclopentadiene	<0.50	* F1	2.0	0.50	ug/L		10/14/15 07:47	10/16/15 23:16	1
Indeno[1,2,3-cd]pyrene	<0.035		0.10	0.035	ug/L		10/14/15 07:47	10/16/15 23:16	1
Methoxychlor	<0.10		0.50	0.10	ug/L		10/14/15 07:47	10/16/15 23:16	1
Naphthalene	<0.020		0.20	0.020	ug/L		10/14/15 07:47	10/16/15 23:16	1
Phenanthrene	<0.020		0.20	0.020	ug/L		10/14/15 07:47	10/16/15 23:16	1
Pyrene	<0.020		0.20	0.020	ug/L		10/14/15 07:47	10/16/15 23:16	1
Simazine	<0.35	*	0.50	0.35	ug/L		10/14/15 07:47	10/16/15 23:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Nitro-m-xylene	*93*		*70 - 130*	*10/14/15 07:47*	*10/16/15 23:16*	*1*
Acenaphthene-d10 (Surr)	*87*		*70 - 130*	*10/14/15 07:47*	*10/16/15 23:16*	*1*
Chrysene-d12 (Surr)	*109*		*70 - 130*	*10/14/15 07:47*	*10/16/15 23:16*	*1*
Perylene-d12	*87*		*70 - 130*	*10/14/15 07:47*	*10/16/15 23:16*	*1*
Phenanthrene-d10 (Surr)	*99*		*70 - 130*	*10/14/15 07:47*	*10/16/15 23:16*	*1*
Triphenylphosphate	*100*		*70 - 130*	*10/14/15 07:47*	*10/16/15 23:16*	*1*

Client Sample ID: Trip Blank

Date Collected: 10/06/15 00:00
Date Received: 10/07/15 09:14

Lab Sample ID: 680-117536-3
Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.50		0.50	0.50	ug/L			10/12/15 11:25	1
Bromobenzene	<0.091		0.50	0.091	ug/L			10/12/15 11:25	1
Bromoform	<0.17		0.50	0.17	ug/L			10/12/15 11:25	1
Bromomethane	<0.20		1.0	0.20	ug/L			10/12/15 11:25	1
Carbon tetrachloride	<0.50		0.50	0.50	ug/L			10/12/15 11:25	1
Chlorobenzene	<0.50		0.50	0.50	ug/L			10/12/15 11:25	1
Chlorodibromomethane	<0.13		0.50	0.13	ug/L			10/12/15 11:25	1
Chloroethane	<0.22		1.0	0.22	ug/L			10/12/15 11:25	1
Chloroform	<0.20		0.50	0.20	ug/L			10/12/15 11:25	1
Chloromethane	<0.15		0.50	0.15	ug/L			10/12/15 11:25	1

Client Sample ID: Trip Blank
Lab Sample ID: 680-117536-3
Date Collected: 10/06/15 00:00
Matrix: Water
Date Received: 10/07/15 09:14

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorotoluene	<0.11		0.50	0.11	ug/L			10/12/15 11:25	1
4-Chlorotoluene	<0.13		0.50	0.13	ug/L			10/12/15 11:25	1
cis-1,2-Dichloroethene	<0.50		0.50	0.50	ug/L			10/12/15 11:25	1
cis-1,3-Dichloropropene	<0.081		0.50	0.081	ug/L			10/12/15 11:25	1
Dibromomethane	<0.16		0.50	0.16	ug/L			10/12/15 11:25	1
1,2-Dichlorobenzene	<0.50		0.50	0.50	ug/L			10/12/15 11:25	1
1,3-Dichlorobenzene	<0.11		0.50	0.11	ug/L			10/12/15 11:25	1
1,4-Dichlorobenzene	<0.50		0.50	0.50	ug/L			10/12/15 11:25	1
Dichlorobromomethane	<0.079		0.50	0.079	ug/L			10/12/15 11:25	1
1,1-Dichloroethane	<0.50		0.50	0.50	ug/L			10/12/15 11:25	1
1,2-Dichloroethane	<0.50		0.50	0.50	ug/L			10/12/15 11:25	1
1,1-Dichloroethene	<0.50		0.50	0.50	ug/L			10/12/15 11:25	1
1,2-Dichloropropane	<0.50		0.50	0.50	ug/L			10/12/15 11:25	1
1,3-Dichloropropane	<0.10		0.50	0.10	ug/L			10/12/15 11:25	1
2,2-Dichloropropane	<0.20		0.50	0.20	ug/L			10/12/15 11:25	1
1,1-Dichloropropene	<0.095		0.50	0.095	ug/L			10/12/15 11:25	1
Ethylbenzene	<0.50		0.50	0.50	ug/L			10/12/15 11:25	1
Methylene Chloride	<0.50		0.50	0.50	ug/L			10/12/15 11:25	1
Methyl tert-butyl ether	<0.50		0.50	0.50	ug/L			10/12/15 11:25	1
m-Xylene & p-Xylene	<0.50		0.50	0.50	ug/L			10/12/15 11:25	1
o-Xylene	<0.50		0.50	0.50	ug/L			10/12/15 11:25	1
Styrene	<0.50		0.50	0.50	ug/L			10/12/15 11:25	1
1,1,1,2-Tetrachloroethane	<0.24		0.50	0.24	ug/L			10/12/15 11:25	1
1,1,2,2-Tetrachloroethane	<0.13		0.50	0.13	ug/L			10/12/15 11:25	1
Tetrachloroethene	<0.50		0.50	0.50	ug/L			10/12/15 11:25	1
Toluene	<0.50		0.50	0.50	ug/L			10/12/15 11:25	1
trans-1,2-Dichloroethene	<0.50		0.50	0.50	ug/L			10/12/15 11:25	1
trans-1,3-Dichloropropene	<0.11		0.50	0.11	ug/L			10/12/15 11:25	1
1,2,4-Trichlorobenzene	<0.50		0.50	0.50	ug/L			10/12/15 11:25	1
1,1,1-Trichloroethane	<0.50		0.50	0.50	ug/L			10/12/15 11:25	1
1,1,2-Trichloroethane	<0.50		0.50	0.50	ug/L			10/12/15 11:25	1
Trichloroethene	<0.50		0.50	0.50	ug/L			10/12/15 11:25	1
1,2,3-Trichloropropane	<0.17		0.50	0.17	ug/L			10/12/15 11:25	1
Vinyl chloride	<0.50		0.50	0.50	ug/L			10/12/15 11:25	1
Xylenes, Total	<0.50		0.50	0.50	ug/L			10/12/15 11:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*109*		*70 - 130*		*10/12/15 11:25*	*1*
1,2-Dichlorobenzene-d4 (Surr)	*108*		*70 - 130*		*10/12/15 11:25*	*1*

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 680-405247/10
Matrix: Water
Analysis Batch: 405247

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.50		0.50	0.50	ug/L			10/12/15 10:38	1
Bromobenzene	<0.091		0.50	0.091	ug/L			10/12/15 10:38	1
Bromoform	<0.17		0.50	0.17	ug/L			10/12/15 10:38	1
Bromomethane	<0.20		1.0	0.20	ug/L			10/12/15 10:38	1
Carbon tetrachloride	<0.50		0.50	0.50	ug/L			10/12/15 10:38	1
Chlorobenzene	<0.50		0.50	0.50	ug/L			10/12/15 10:38	1
Chlorodibromomethane	<0.13		0.50	0.13	ug/L			10/12/15 10:38	1
Chloroethane	<0.22		1.0	0.22	ug/L			10/12/15 10:38	1
Chloroform	<0.20		0.50	0.20	ug/L			10/12/15 10:38	1
Chloromethane	<0.15		0.50	0.15	ug/L			10/12/15 10:38	1
2-Chlorotoluene	<0.11		0.50	0.11	ug/L			10/12/15 10:38	1
4-Chlorotoluene	<0.13		0.50	0.13	ug/L			10/12/15 10:38	1
cis-1,2-Dichloroethene	<0.50		0.50	0.50	ug/L			10/12/15 10:38	1
cis-1,3-Dichloropropene	<0.081		0.50	0.081	ug/L			10/12/15 10:38	1
Dibromomethane	<0.16		0.50	0.16	ug/L			10/12/15 10:38	1
1,2-Dichlorobenzene	<0.50		0.50	0.50	ug/L			10/12/15 10:38	1
1,3-Dichlorobenzene	<0.11		0.50	0.11	ug/L			10/12/15 10:38	1
1,4-Dichlorobenzene	<0.50		0.50	0.50	ug/L			10/12/15 10:38	1
Dichlorobromomethane	<0.079		0.50	0.079	ug/L			10/12/15 10:38	1
1,1-Dichloroethane	<0.50		0.50	0.50	ug/L			10/12/15 10:38	1
1,2-Dichloroethane	<0.50		0.50	0.50	ug/L			10/12/15 10:38	1
1,1-Dichloroethene	<0.50		0.50	0.50	ug/L			10/12/15 10:38	1
1,2-Dichloropropane	<0.50		0.50	0.50	ug/L			10/12/15 10:38	1
1,3-Dichloropropane	<0.10		0.50	0.10	ug/L			10/12/15 10:38	1
2,2-Dichloropropane	<0.20		0.50	0.20	ug/L			10/12/15 10:38	1
1,1-Dichloropropene	<0.095		0.50	0.095	ug/L			10/12/15 10:38	1
Ethylbenzene	<0.50		0.50	0.50	ug/L			10/12/15 10:38	1
Methylene Chloride	<0.50		0.50	0.50	ug/L			10/12/15 10:38	1
Methyl tert-butyl ether	<0.50		0.50	0.50	ug/L			10/12/15 10:38	1
m-Xylene & p-Xylene	<0.50		0.50	0.50	ug/L			10/12/15 10:38	1
o-Xylene	<0.50		0.50	0.50	ug/L			10/12/15 10:38	1
Styrene	<0.50		0.50	0.50	ug/L			10/12/15 10:38	1
1,1,1,2-Tetrachloroethane	<0.24		0.50	0.24	ug/L			10/12/15 10:38	1
1,1,2,2-Tetrachloroethane	<0.13		0.50	0.13	ug/L			10/12/15 10:38	1
Tetrachloroethene	<0.50		0.50	0.50	ug/L			10/12/15 10:38	1
Toluene	<0.50		0.50	0.50	ug/L			10/12/15 10:38	1
trans-1,2-Dichloroethene	<0.50		0.50	0.50	ug/L			10/12/15 10:38	1
trans-1,3-Dichloropropene	<0.11		0.50	0.11	ug/L			10/12/15 10:38	1
1,2,4-Trichlorobenzene	<0.50		0.50	0.50	ug/L			10/12/15 10:38	1
1,1,1-Trichloroethane	<0.50		0.50	0.50	ug/L			10/12/15 10:38	1
1,1,2-Trichloroethane	<0.50		0.50	0.50	ug/L			10/12/15 10:38	1
Trichloroethene	<0.50		0.50	0.50	ug/L			10/12/15 10:38	1
1,2,3-Trichloropropane	<0.17		0.50	0.17	ug/L			10/12/15 10:38	1
Vinyl chloride	<0.50		0.50	0.50	ug/L			10/12/15 10:38	1
Xylenes, Total	<0.50		0.50	0.50	ug/L			10/12/15 10:38	1

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 680-405247/10
Matrix: Water
Analysis Batch: 405247

Client Sample ID: Method Blank
Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	*94*		*70 - 130*		*10/12/15 10:38*	*1*
1,2-Dichlorobenzene-d4 (Surr)	*99*		*70 - 130*		*10/12/15 10:38*	*1*

Lab Sample ID: LCS 680-405247/4
Matrix: Water
Analysis Batch: 405247

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	20.0	21.1		ug/L		106	70 - 130
Bromobenzene	20.0	22.7		ug/L		113	70 - 130
Bromoform	20.0	23.7		ug/L		118	70 - 130
Bromomethane	20.0	23.5		ug/L		117	70 - 130
Carbon tetrachloride	20.0	22.1		ug/L		111	70 - 130
Chlorobenzene	20.0	20.4		ug/L		102	70 - 130
Chlorodibromomethane	20.0	21.1		ug/L		105	70 - 130
Chloroethane	20.0	17.8		ug/L		89	70 - 130
Chloroform	20.0	20.5		ug/L		102	70 - 130
Chloromethane	20.0	18.5		ug/L		92	70 - 130
2-Chlorotoluene	20.0	22.6		ug/L		113	70 - 130
4-Chlorotoluene	20.0	22.5		ug/L		113	70 - 130
cis-1,2-Dichloroethene	20.0	20.9		ug/L		104	70 - 130
cis-1,3-Dichloropropene	20.0	21.5		ug/L		108	70 - 130
Dibromomethane	20.0	20.4		ug/L		102	70 - 130
1,2-Dichlorobenzene	20.0	22.6		ug/L		113	70 - 130
1,3-Dichlorobenzene	20.0	23.2		ug/L		116	70 - 130
1,4-Dichlorobenzene	20.0	23.1		ug/L		115	70 - 130
Dichlorobromomethane	20.0	21.5		ug/L		107	70 - 130
1,1-Dichloroethane	20.0	22.7		ug/L		113	70 - 130
1,2-Dichloroethane	20.0	21.2		ug/L		106	70 - 130
1,1-Dichloroethene	20.0	23.1		ug/L		116	70 - 130
1,2-Dichloropropane	20.0	20.0		ug/L		100	70 - 130
1,3-Dichloropropane	20.0	19.9		ug/L		100	70 - 130
2,2-Dichloropropane	20.0	23.8		ug/L		119	70 - 130
1,1-Dichloropropene	20.0	20.2		ug/L		101	70 - 130
Ethylbenzene	20.0	20.5		ug/L		102	70 - 130
Methylene Chloride	20.0	24.0		ug/L		120	70 - 130
Methyl tert-butyl ether	20.0	23.9		ug/L		119	70 - 130
m-Xylene & p-Xylene	20.0	20.8		ug/L		104	70 - 130
o-Xylene	20.0	22.5		ug/L		112	70 - 130
Styrene	20.0	23.0		ug/L		115	70 - 130
1,1,1,2-Tetrachloroethane	20.0	20.8		ug/L		104	70 - 130
1,1,2,2-Tetrachloroethane	20.0	23.1		ug/L		115	70 - 130
Tetrachloroethene	20.0	20.8		ug/L		104	70 - 130
Toluene	20.0	20.0		ug/L		100	70 - 130
trans-1,2-Dichloroethene	20.0	23.1		ug/L		115	70 - 130
trans-1,3-Dichloropropene	20.0	21.6		ug/L		108	70 - 130
1,2,4-Trichlorobenzene	20.0	21.2		ug/L		106	70 - 130
1,1,1-Trichloroethane	20.0	22.2		ug/L		111	70 - 130

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 680-405247/4
Matrix: Water
Analysis Batch: 405247

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
1,1,2-Trichloroethane			20.0	20.0		ug/L		100	70 - 130		
Trichloroethene			20.0	21.4		ug/L		107	70 - 130		
1,2,3-Trichloropropane			20.0	23.4		ug/L		117	70 - 130		
Vinyl chloride			20.0	16.1		ug/L		80	70 - 130		
Xylenes, Total			40.0	43.3		ug/L		108	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*112*		*70 - 130*
1,2-Dichlorobenzene-d4 (Surr)	*117*		*70 - 130*

Lab Sample ID: LCSD 680-405247/5
Matrix: Water
Analysis Batch: 405247

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			20.0	20.0		ug/L		100	70 - 130	6	30
Bromobenzene			20.0	18.1		ug/L		90	70 - 130	23	30
Bromoform			20.0	20.6		ug/L		103	70 - 130	14	30
Bromomethane			20.0	19.2		ug/L		96	70 - 130	20	30
Carbon tetrachloride			20.0	21.4		ug/L		107	70 - 130	3	30
Chlorobenzene			20.0	19.8		ug/L		99	70 - 130	3	30
Chlorodibromomethane			20.0	20.8		ug/L		104	70 - 130	1	30
Chloroethane			20.0	14.4		ug/L		72	70 - 130	21	30
Chloroform			20.0	20.4		ug/L		102	70 - 130	0	30
Chloromethane			20.0	15.5		ug/L		77	70 - 130	18	30
2-Chlorotoluene			20.0	18.0		ug/L		90	70 - 130	23	30
4-Chlorotoluene			20.0	17.5		ug/L		88	70 - 130	25	30
cis-1,2-Dichloroethene			20.0	20.3		ug/L		102	70 - 130	3	30
cis-1,3-Dichloropropene			20.0	20.0		ug/L		100	70 - 130	7	30
Dibromomethane			20.0	20.2		ug/L		101	70 - 130	1	30
1,2-Dichlorobenzene			20.0	17.8		ug/L		89	70 - 130	23	30
1,3-Dichlorobenzene			20.0	17.6		ug/L		88	70 - 130	27	30
1,4-Dichlorobenzene			20.0	17.6		ug/L		88	70 - 130	27	30
Dichlorobromomethane			20.0	20.7		ug/L		103	70 - 130	4	30
1,1-Dichloroethane			20.0	20.1		ug/L		101	70 - 130	12	30
1,2-Dichloroethane			20.0	20.3		ug/L		101	70 - 130	4	30
1,1-Dichloroethene			20.0	17.8		ug/L		89	70 - 130	26	30
1,2-Dichloropropane			20.0	20.3		ug/L		101	70 - 130	2	30
1,3-Dichloropropane			20.0	20.4		ug/L		102	70 - 130	2	30
2,2-Dichloropropane			20.0	21.9		ug/L		109	70 - 130	8	30
1,1-Dichloropropene			20.0	20.7		ug/L		104	70 - 130	2	30
Ethylbenzene			20.0	20.3		ug/L		101	70 - 130	1	30
Methylene Chloride			20.0	18.9		ug/L		95	70 - 130	23	30
Methyl tert-butyl ether			20.0	19.4		ug/L		97	70 - 130	21	30
m-Xylene & p-Xylene			20.0	20.0		ug/L		100	70 - 130	4	30
o-Xylene			20.0	19.7		ug/L		98	70 - 130	13	30
Styrene			20.0	20.2		ug/L		101	70 - 130	13	30
1,1,1,2-Tetrachloroethane			20.0	20.0		ug/L		100	70 - 130	4	30

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 680-405247/5
Matrix: Water
Analysis Batch: 405247

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,2,2-Tetrachloroethane			20.0	18.1		ug/L		90	70 - 130	24	30
Tetrachloroethene			20.0	21.0		ug/L		105	70 - 130	1	30
Toluene			20.0	18.8		ug/L		94	70 - 130	6	30
trans-1,2-Dichloroethene			20.0	18.4		ug/L		92	70 - 130	23	30
trans-1,3-Dichloropropene			20.0	21.5		ug/L		108	70 - 130	1	30
1,2,4-Trichlorobenzene			20.0	18.7		ug/L		93	70 - 130	13	30
1,1,1-Trichloroethane			20.0	21.4		ug/L		107	70 - 130	4	30
1,1,2-Trichloroethane			20.0	20.2		ug/L		101	70 - 130	1	30
Trichloroethene			20.0	19.9		ug/L		99	70 - 130	8	30
1,2,3-Trichloropropane			20.0	18.9		ug/L		94	70 - 130	22	30
Vinyl chloride			20.0	16.5		ug/L		83	70 - 130	3	30
Xylenes, Total			40.0	39.7		ug/L		99	70 - 130	9	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*93*		*70 - 130*
1,2-Dichlorobenzene-d4 (Surr)	*94*		*70 - 130*

Method: 525.2 - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 680-405617/6-A
Matrix: Water
Analysis Batch: 406133

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 405617

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	<0.20		0.20	0.20	ug/L		10/14/15 07:47	10/16/15 19:08	1
Acenaphthene	<0.040		0.20	0.040	ug/L		10/14/15 07:47	10/16/15 19:08	1
Acenaphthylene	<0.020		0.20	0.020	ug/L		10/14/15 07:47	10/16/15 19:08	1
Alachlor	<0.20		0.20	0.20	ug/L		10/14/15 07:47	10/16/15 19:08	1
Anthracene	<0.023		0.20	0.023	ug/L		10/14/15 07:47	10/16/15 19:08	1
Atrazine	<0.30		0.30	0.30	ug/L		10/14/15 07:47	10/16/15 19:08	1
Benzo[a]anthracene	<0.020		0.10	0.020	ug/L		10/14/15 07:47	10/16/15 19:08	1
Benzo[a]pyrene	<0.10		0.10	0.10	ug/L		10/14/15 07:47	10/16/15 19:08	1
Benzo[b]fluoranthene	<0.022		0.10	0.022	ug/L		10/14/15 07:47	10/16/15 19:08	1
Benzo[g,h,i]perylene	<0.045		0.10	0.045	ug/L		10/14/15 07:47	10/16/15 19:08	1
Benzo[k]fluoranthene	<0.035		0.10	0.035	ug/L		10/14/15 07:47	10/16/15 19:08	1
Bis(2-ethylhexyl) phthalate	<1.8		2.0	1.8	ug/L		10/14/15 07:47	10/16/15 19:08	1
Chrysene	<0.020		0.20	0.020	ug/L		10/14/15 07:47	10/16/15 19:08	1
Di(2-ethylhexyl)adipate	<0.60		1.5	0.60	ug/L		10/14/15 07:47	10/16/15 19:08	1
Dibenz(a,h)anthracene	<0.062		0.10	0.062	ug/L		10/14/15 07:47	10/16/15 19:08	1
Endrin	<0.10		0.50	0.10	ug/L		10/14/15 07:47	10/16/15 19:08	1
Fluoranthene	<0.020		0.20	0.020	ug/L		10/14/15 07:47	10/16/15 19:08	1
Fluorene	<0.020		0.20	0.020	ug/L		10/14/15 07:47	10/16/15 19:08	1
gamma-BHC (Lindane)	<0.10		0.20	0.10	ug/L		10/14/15 07:47	10/16/15 19:08	1
Heptachlor	<0.040		0.20	0.040	ug/L		10/14/15 07:47	10/16/15 19:08	1
Heptachlor epoxide	<0.020		0.40	0.020	ug/L		10/14/15 07:47	10/16/15 19:08	1
Hexachlorobenzene	<0.10		0.20	0.10	ug/L		10/14/15 07:47	10/16/15 19:08	1
Hexachlorocyclopentadiene	<0.50		2.0	0.50	ug/L		10/14/15 07:47	10/16/15 19:08	1
Indeno[1,2,3-cd]pyrene	<0.035		0.10	0.035	ug/L		10/14/15 07:47	10/16/15 19:08	1

Method: 525.2 - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 680-405617/6-A
Matrix: Water
Analysis Batch: 406133

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 405617

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methoxychlor	<0.10		0.50	0.10	ug/L		10/14/15 07:47	10/16/15 19:08	1
Naphthalene	<0.020		0.20	0.020	ug/L		10/14/15 07:47	10/16/15 19:08	1
Phenanthrene	<0.020		0.20	0.020	ug/L		10/14/15 07:47	10/16/15 19:08	1
Pyrene	<0.020		0.20	0.020	ug/L		10/14/15 07:47	10/16/15 19:08	1
Simazine	<0.35		0.50	0.35	ug/L		10/14/15 07:47	10/16/15 19:08	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Nitro-m-xylene	*92*		*70 - 130*	*10/14/15 07:47*	*10/16/15 19:08*	*1*
Acenaphthene-d10 (Surr)	*98*		*70 - 130*	*10/14/15 07:47*	*10/16/15 19:08*	*1*
Chrysene-d12 (Surr)	*111*		*70 - 130*	*10/14/15 07:47*	*10/16/15 19:08*	*1*
Perylene-d12	*78*		*70 - 130*	*10/14/15 07:47*	*10/16/15 19:08*	*1*
Phenanthrene-d10 (Surr)	*108*		*70 - 130*	*10/14/15 07:47*	*10/16/15 19:08*	*1*
Triphenylphosphate	*99*		*70 - 130*	*10/14/15 07:47*	*10/16/15 19:08*	*1*

Lab Sample ID: LCS 680-405617/7-A
Matrix: Water
Analysis Batch: 406133

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 405617

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Methylnaphthalene	5.00	4.30		ug/L		86	70 - 130
Acenaphthene	5.00	4.47		ug/L		89	70 - 130
Acenaphthylene	5.00	4.64		ug/L		93	70 - 130
Alachlor	5.00	4.39		ug/L		88	70 - 130
Anthracene	5.00	4.39		ug/L		88	70 - 130
Atrazine	5.00	4.31		ug/L		86	70 - 130
Benzo[a]anthracene	5.00	4.33		ug/L		87	70 - 130
Benzo[a]pyrene	5.00	4.45		ug/L		89	70 - 130
Benzo[b]fluoranthene	5.00	4.38		ug/L		88	70 - 130
Benzo[g,h,i]perylene	5.00	4.32		ug/L		86	70 - 130
Benzo[k]fluoranthene	5.00	4.17		ug/L		83	70 - 130
Bis(2-ethylhexyl) phthalate	5.00	4.98		ug/L		100	70 - 130
Chrysene	5.00	4.78		ug/L		96	70 - 130
Di(2-ethylhexyl)adipate	5.00	5.05		ug/L		101	70 - 130
Dibenz(a,h)anthracene	5.00	4.13		ug/L		83	70 - 130
Endrin	5.00	4.09		ug/L		82	70 - 130
Fluoranthene	5.00	5.60		ug/L		112	70 - 130
Fluorene	5.00	4.94		ug/L		99	70 - 130
gamma-BHC (Lindane)	5.00	4.03		ug/L		81	70 - 130
Heptachlor	5.00	3.90		ug/L		78	70 - 130
Heptachlor epoxide	5.00	4.32		ug/L		86	70 - 130
Hexachlorobenzene	5.00	4.11		ug/L		82	70 - 130
Hexachlorocyclopentadiene	5.00	3.46	*	ug/L		69	70 - 130
Indeno[1,2,3-cd]pyrene	5.00	4.23		ug/L		85	70 - 130
Methoxychlor	5.00	4.66		ug/L		93	70 - 130
Naphthalene	5.00	4.02		ug/L		80	70 - 130
Phenanthrene	5.00	4.45		ug/L		89	70 - 130
Pyrene	5.00	4.56		ug/L		91	70 - 130
Simazine	5.00	2.67	*	ug/L		53	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Nitro-m-xylene	89		70 - 130
Acenaphthene-d10 (Surr)	88		70 - 130
Chrysene-d12 (Surr)	100		70 - 130
Perylene-d12	99		70 - 130
Phenanthrene-d10 (Surr)	100		70 - 130
Triphenylphosphate	107		70 - 130

Lab Sample ID: LLCS 680-405617/8-A
Matrix: Water
Analysis Batch: 406133

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 405617

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Methylnaphthalene	0.200	<0.20		ug/L		85	50 - 150
Acenaphthene	0.200	0.199	J	ug/L		100	50 - 150
Acenaphthylene	0.200	0.213		ug/L		106	50 - 150
Alachlor	0.200	<0.20		ug/L		91	50 - 150
Anthracene	0.200	0.193	J	ug/L		97	50 - 150
Atrazine	0.200	<0.30		ug/L		84	50 - 150
Benzo[a]anthracene	0.200	0.212		ug/L		106	50 - 150
Benzo[a]pyrene	0.200	0.155		ug/L		77	50 - 150
Benzo[b]fluoranthene	0.200	0.146		ug/L		73	50 - 150
Benzo[g,h,i]perylene	0.200	0.180		ug/L		90	50 - 150
Benzo[k]fluoranthene	0.200	0.146		ug/L		73	50 - 150
Bis(2-ethylhexyl) phthalate	2.00	1.95	J	ug/L		98	50 - 150
Chrysene	0.200	0.194	J	ug/L		97	50 - 150
Di(2-ethylhexyl)adipate	1.50	1.43	J	ug/L		95	50 - 150
Dibenz(a,h)anthracene	0.200	0.151		ug/L		75	50 - 150
Endrin	0.500	0.378	J	ug/L		76	50 - 150
Fluoranthene	0.200	0.241		ug/L		120	50 - 150
Fluorene	0.200	0.216		ug/L		108	50 - 150
gamma-BHC (Lindane)	0.200	0.179	J	ug/L		89	50 - 150
Heptachlor	0.200	0.170	J	ug/L		85	50 - 150
Heptachlor epoxide	0.200	0.287	J	ug/L		143	50 - 150
Hexachlorobenzene	0.200	0.173	J	ug/L		87	50 - 150
Hexachlorocyclopentadiene	2.00	1.50	J	ug/L		75	50 - 150
Indeno[1,2,3-cd]pyrene	0.200	0.235		ug/L		118	50 - 150
Methoxychlor	0.500	0.397	J	ug/L		79	50 - 150
Naphthalene	0.200	0.182	J	ug/L		91	50 - 150
Phenanthrene	0.200	0.195	J	ug/L		98	50 - 150
Pyrene	0.200	0.194	J	ug/L		97	50 - 150
Simazine	0.500	<0.35		ug/L		69	50 - 150

Surrogate	LLCS %Recovery	LLCS Qualifier	Limits
2-Nitro-m-xylene	90		70 - 130
Acenaphthene-d10 (Surr)	89		70 - 130
Chrysene-d12 (Surr)	108		70 - 130
Perylene-d12	86		70 - 130
Phenanthrene-d10 (Surr)	101		70 - 130
Triphenylphosphate	96		70 - 130

Method: 525.2 - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 680-117536-2 MS
Matrix: Water
Analysis Batch: 406133

Client Sample ID: Site 7 R2 L
Prep Type: Total/NA
Prep Batch: 405617

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Methylnaphthalene	<0.20		5.00	3.99		ug/L		80	70 - 130
Acenaphthene	<0.040		5.00	4.36		ug/L		87	70 - 130
Acenaphthylene	<0.020		5.00	4.48		ug/L		90	70 - 130
Alachlor	<0.20		5.00	4.28		ug/L		86	70 - 130
Anthracene	<0.023		5.00	4.12		ug/L		82	70 - 130
Atrazine	<0.30		5.00	4.18		ug/L		84	70 - 130
Benzo[a]anthracene	<0.020		5.00	4.11		ug/L		82	70 - 130
Benzo[a]pyrene	<0.10		5.00	4.32		ug/L		86	70 - 130
Benzo[b]fluoranthene	<0.022		5.00	4.02		ug/L		80	70 - 130
Benzo[g,h,i]perylene	<0.045		5.00	4.19		ug/L		84	70 - 130
Benzo[k]fluoranthene	<0.035		5.00	3.94		ug/L		79	70 - 130
Bis(2-ethylhexyl) phthalate	<1.8		5.00	4.96		ug/L		99	70 - 130
Chrysene	<0.020		5.00	4.53		ug/L		91	70 - 130
Di(2-ethylhexyl)adipate	<0.60		5.00	6.24		ug/L		125	70 - 130
Dibenz(a,h)anthracene	<0.062		5.00	4.16		ug/L		83	70 - 130
Endrin	<0.10	F1	5.00	3.88		ug/L		78	70 - 130
Fluoranthene	<0.020		5.00	5.42		ug/L		108	70 - 130
Fluorene	<0.020		5.00	4.76		ug/L		95	70 - 130
gamma-BHC (Lindane)	<0.10		5.00	3.90		ug/L		78	70 - 130
Heptachlor	<0.040		5.00	3.87		ug/L		77	70 - 130
Heptachlor epoxide	<0.020		5.00	4.18		ug/L		84	70 - 130
Hexachlorobenzene	<0.10		5.00	4.07		ug/L		81	70 - 130
Hexachlorocyclopentadiene	<0.50	* F1	5.00	3.04	F1	ug/L		61	70 - 130
Indeno[1,2,3-cd]pyrene	<0.035		5.00	4.10		ug/L		82	70 - 130
Methoxychlor	<0.10		5.00	4.46		ug/L		89	70 - 130
Naphthalene	<0.020		5.00	3.76		ug/L		75	70 - 130
Phenanthrene	<0.020		5.00	4.29		ug/L		86	70 - 130
Pyrene	<0.020		5.00	4.38		ug/L		88	70 - 130
Simazine	<0.35	*	5.00	4.27		ug/L		85	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Nitro-m-xylene	*90*		*70 - 130*
Acenaphthene-d10 (Surr)	*89*		*70 - 130*
Chrysene-d12 (Surr)	*104*		*70 - 130*
Perylene-d12	*101*		*70 - 130*
Phenanthrene-d10 (Surr)	*103*		*70 - 130*
Triphenylphosphate	*107*		*70 - 130*

Lab Sample ID: 680-117536-2 MSD
Matrix: Water
Analysis Batch: 406133

Client Sample ID: Site 7 R2 L
Prep Type: Total/NA
Prep Batch: 405617

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2-Methylnaphthalene	<0.20		5.00	4.38		ug/L		88	70 - 130	9	30
Acenaphthene	<0.040		5.00	4.69		ug/L		94	70 - 130	7	30
Acenaphthylene	<0.020		5.00	4.68		ug/L		94	70 - 130	4	30
Alachlor	<0.20		5.00	4.57		ug/L		91	70 - 130	6	30
Anthracene	<0.023		5.00	4.37		ug/L		87	70 - 130	6	30

Method: 525.2 - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 680-117536-2 MSD
Matrix: Water
Analysis Batch: 406133

Client Sample ID: Site 7 R2 L
Prep Type: Total/NA
Prep Batch: 405617

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Atrazine	<0.30		5.00	4.50		ug/L		90	70 - 130	7	30
Benzo[a]anthracene	<0.020		5.00	4.36		ug/L		87	70 - 130	6	30
Benzo[a]pyrene	<0.10		5.00	4.49		ug/L		90	70 - 130	4	30
Benzo[b]fluoranthene	<0.022		5.00	4.22		ug/L		84	70 - 130	5	30
Benzo[g,h,i]perylene	<0.045		5.00	4.21		ug/L		84	70 - 130	0	30
Benzo[k]fluoranthene	<0.035		5.00	4.01		ug/L		80	70 - 130	2	30
Bis(2-ethylhexyl) phthalate	<1.8		5.00	5.23		ug/L		105	70 - 130	5	30
Chrysene	<0.020		5.00	4.77		ug/L		95	70 - 130	5	30
Di(2-ethylhexyl)adipate	<0.60		5.00	5.06		ug/L		101	70 - 130	21	30
Dibenz(a,h)anthracene	<0.062		5.00	4.21		ug/L		84	70 - 130	1	30
Endrin	<0.10	F1	5.00	3.45	F1	ug/L		69	70 - 130	12	30
Fluoranthene	<0.020		5.00	6.05		ug/L		121	70 - 130	11	30
Fluorene	<0.020		5.00	5.19		ug/L		104	70 - 130	9	30
gamma-BHC (Lindane)	<0.10		5.00	4.11		ug/L		82	70 - 130	5	30
Heptachlor	<0.040		5.00	3.93		ug/L		79	70 - 130	1	30
Heptachlor epoxide	<0.020		5.00	4.55		ug/L		91	70 - 130	8	30
Hexachlorobenzene	<0.10		5.00	4.13		ug/L		83	70 - 130	1	30
Hexachlorocyclopentadiene	<0.50	* F1	5.00	3.32	F1	ug/L		66	70 - 130	9	30
Indeno[1,2,3-cd]pyrene	<0.035		5.00	4.31		ug/L		86	70 - 130	5	30
Methoxychlor	<0.10		5.00	4.76		ug/L		95	70 - 130	6	30
Naphthalene	<0.020		5.00	4.10		ug/L		82	70 - 130	9	30
Phenanthrene	<0.020		5.00	4.55		ug/L		91	70 - 130	6	30
Pyrene	<0.020		5.00	4.80		ug/L		96	70 - 130	9	30
Simazine	<0.35	*	5.00	4.58		ug/L		92	70 - 130	7	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Nitro-m-xylene	*90*		*70 - 130*
Acenaphthene-d10 (Surr)	*81*		*70 - 130*
Chrysene-d12 (Surr)	*99*		*70 - 130*
Perylene-d12	*96*		*70 - 130*
Phenanthrene-d10 (Surr)	*95*		*70 - 130*
Triphenylphosphate	*105*		*70 - 130*

QC Association Summary

Client: SCS Engineers
Project/Site: James Park (25214107) Residential Wells

TestAmerica Job ID: 680-117536-1

GC/MS VOA

Analysis Batch: 405247

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117536-1	Site 7 R2 E	Total/NA	Water	524.2	
680-117536-2	Site 7 R2 L	Total/NA	Water	524.2	
680-117536-3	Trip Blank	Total/NA	Water	524.2	
LCS 680-405247/4	Lab Control Sample	Total/NA	Water	524.2	
LCSD 680-405247/5	Lab Control Sample Dup	Total/NA	Water	524.2	
MB 680-405247/10	Method Blank	Total/NA	Water	524.2	

GC/MS Semi VOA

Prep Batch: 405617

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117536-1	Site 7 R2 E	Total/NA	Water	525.2	
680-117536-2	Site 7 R2 L	Total/NA	Water	525.2	
680-117536-2 MS	Site 7 R2 L	Total/NA	Water	525.2	
680-117536-2 MSD	Site 7 R2 L	Total/NA	Water	525.2	
LCS 680-405617/7-A	Lab Control Sample	Total/NA	Water	525.2	
LLCS 680-405617/8-A	Lab Control Sample	Total/NA	Water	525.2	
MB 680-405617/6-A	Method Blank	Total/NA	Water	525.2	

Analysis Batch: 406133

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117536-1	Site 7 R2 E	Total/NA	Water	525.2	405617
680-117536-2	Site 7 R2 L	Total/NA	Water	525.2	405617
680-117536-2 MS	Site 7 R2 L	Total/NA	Water	525.2	405617
680-117536-2 MSD	Site 7 R2 L	Total/NA	Water	525.2	405617
LCS 680-405617/7-A	Lab Control Sample	Total/NA	Water	525.2	405617
LLCS 680-405617/8-A	Lab Control Sample	Total/NA	Water	525.2	405617
MB 680-405617/6-A	Method Blank	Total/NA	Water	525.2	405617

Lab Chronicle

Client: SCS Engineers
Project/Site: James Park (25214107) Residential Wells

TestAmerica Job ID: 680-117536-1

Client Sample ID: Site 7 R2 E

Lab Sample ID: 680-117536-1

Date Collected: 10/06/15 09:18

Matrix: Water

Date Received: 10/07/15 09:14

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	5 mL	5 mL	405247	10/12/15 12:50	JLK	TAL SAV
	Instrument ID: CMSO2									
Total/NA	Prep	525.2			997.4 mL	1 mL	405617	10/14/15 07:47	CMV	TAL SAV
Total/NA	Analysis	525.2		1	997.4 mL	1 mL	406133	10/16/15 22:49	NED	TAL SAV
	Instrument ID: CMSR									

Client Sample ID: Site 7 R2 L

Lab Sample ID: 680-117536-2

Date Collected: 10/06/15 09:38

Matrix: Water

Date Received: 10/07/15 09:14

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	5 mL	5 mL	405247	10/12/15 13:11	JLK	TAL SAV
	Instrument ID: CMSO2									
Total/NA	Prep	525.2			500 mL	0.5 mL	405617	10/14/15 07:47	CMV	TAL SAV
Total/NA	Analysis	525.2		1	500 mL	0.5 mL	406133	10/16/15 23:16	NED	TAL SAV
	Instrument ID: CMSR									

Client Sample ID: Trip Blank

Lab Sample ID: 680-117536-3

Date Collected: 10/06/15 00:00

Matrix: Water

Date Received: 10/07/15 09:14

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	5 mL	5 mL	405247	10/12/15 11:25	JLK	TAL SAV
	Instrument ID: CMSO2									

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Certification Summary

Client: SCS Engineers
Project/Site: James Park (25214107) Residential Wells

TestAmerica Job ID: 680-117536-1

Laboratory: TestAmerica Savannah

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Wisconsin	State Program	5	999819810	08-31-16

Laboratory: TestAmerica Chicago

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Alabama	State Program	4	40461	04-30-16
California	State Program	9	2903	04-30-16
Georgia	State Program	4	N/A	04-30-16
Georgia	State Program	4	939	04-30-16
Hawaii	State Program	9	N/A	04-30-16
Illinois	NELAP	5	100201	04-30-16
Indiana	State Program	5	C-IL-02	04-30-16
Iowa	State Program	7	82	05-01-16
Kansas	NELAP	7	E-10161	10-31-15 *
Kentucky (UST)	State Program	4	66	04-30-16
Kentucky (WW)	State Program	4	KY90023	12-31-15
Massachusetts	State Program	1	M-IL035	06-30-16
Mississippi	State Program	4	N/A	04-30-16
New York	NELAP	2	IL00035	04-01-16
North Carolina (WW/SW)	State Program	4	291	12-31-15 *
North Dakota	State Program	8	R-194	04-30-16
Oklahoma	State Program	6	8908	08-31-16
South Carolina	State Program	4	77001	04-30-16
USDA	Federal		P330-15-00038	02-11-18
Wisconsin	State Program	5	999580010	08-31-16
Wyoming	State Program	8	8TMS-Q	04-30-16

* Certification renewal pending - certification considered valid.

Method Summary

Client: SCS Engineers
Project/Site: James Park (25214107) Residential Wells

TestAmerica Job ID: 680-117536-1

Method	Method Description	Protocol	Laboratory
524.2	Volatile Organic Compounds (GC/MS)	EPA-DW	TAL SAV
525.2	Semivolatile Organic Compounds (GC/MS)	EPA	TAL SAV

Protocol References:

EPA = US Environmental Protection Agency

EPA-DW = "Methods For The Determination Of Organic Compounds In Drinking Water", EPA/600/4-88/039, December 1988 And Its Supplements.

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

TestAmerica Savannah
5102 LaRoche Avenue

Savannah, GA 31404
phone 912.354.7858 fax 912.352.0165

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Regulatory Program: ☑ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact: Tony Kollasch	**Project Manager:** Dave Hendron	**Site Contact:** Paul Herr	**Date:** 9/4/2015	COC No:
Client: SCS Engineers	**Tel/Fax:** 312-286-9397	**Lab Contact:** Sandra Fredrick	**Carrier:** Fex-Ex	_____ of _____ COCs
Address: 2830 Dairy Dr	**Analysis Turnaround Time**			Sampler:
City/State/Zip: Madison, Wi 53718	☐ CALENDAR DAYS ☑ WORKING DAYS			**For Lab Use Only:**
Phone: (608) 224-2830	TAT if different from Below ~~3 Days~~ 10 Days			Walk-in Client:
FAX: 608-224-2839	☐ 2 weeks			Lab Sampling:
Project Name: James Park (25214107)	☐ 1 week			
Site: ~~Residential~~ Water Sampling - Drinking Water	☐ 2 days			Job / SDG No.:
P O #: ----------	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	VOC	SVOC	Sample Specific Notes:
Site 7R2E	10-6-15	9:16 Am	GRAB	H_2O	5	N		✓	✓	3 amber jars and 3 voc vials
Site 7R2L	10-6-15	9:38	Grab	H_2O	5	N		✓	✓	2 amber jars and 3 voc vials
Trip Blank				H_2O	1			✓		

680-117536 Chain of Custody

Preservation Used: 1= Ice, 2= HCl, 3= H_2SO_4, 4=HNO_3, 5=NaOH, 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☑ Archive for 2 Months

Special Instructions/QC Requirements & Comments:

680-117536 2.8(CF)3.2°c

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:		Cooler Temp. (°C): Obs'd:_____ Corr'd:_____		Therm ID No.:_____
Relinquished by: Paul E Herr	Company: SCS Engineers	Date/Time: 10-6-15 1515 pm	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company: TA Sav.	Date/Time: 10/7/15 0914

Form No. CA-C-WI-002, Rev. 4.2, dated 04/02/2013

Login Sample Receipt Checklist

Client: SCS Engineers

Job Number: 680-117536-1

Login Number: 117536
List Number: 1
Creator: Banda, Christy S

List Source: TestAmerica Savannah

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Tel: (912)354-7858

TestAmerica Job ID: 680-116473-1
TestAmerica Sample Delivery Group: Residential Well Sampling
Client Project/Site: James Park - 25214107
Revision: 1

For:
SCS Engineers
2830 Dairy Dr
Madison, Wisconsin 53718

Attn: Dave Hedron

Authorized for release by:
9/18/2015 2:16:26 PM

Sandie Fredrick, Project Manager II
(920)261-1660
sandie.fredrick@testamericainc.com

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.

GC/MS Semi VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
*	ISTD response or retention time outside acceptable limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Sample Summary

Client: SCS Engineers
Project/Site: James Park - 25214107

TestAmerica Job ID: 680-116473-1
SDG: Residential Well Sampling

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-116473-1	Site 2 E	Water	09/04/15 11:25	09/05/15 11:02
680-116473-2	Site 2 L	Water	09/04/15 11:35	09/05/15 11:02
680-116473-3	Field Blank Site 2	Water	09/04/15 11:25	09/05/15 11:02
680-116473-4	Site 5 E	Water	09/04/15 12:15	09/05/15 11:02
680-116473-5	Site 5 L	Water	09/04/15 12:25	09/05/15 11:02
680-116473-6	Field Blank Site 5	Water	09/04/15 12:35	09/05/15 11:02
680-116473-7	Site 1 E	Water	09/04/15 13:15	09/05/15 11:02
680-116473-8	Site 1 L	Water	09/04/15 13:25	09/05/15 11:02
680-116473-9	Site 3 E	Water	09/04/15 13:55	09/05/15 11:02
680-116473-10	Site 3 L	Water	09/04/15 14:05	09/05/15 11:02
680-116473-11	Site 4 E	Water	09/04/15 14:35	09/05/15 11:02
680-116473-12	Site 4 L	Water	09/04/15 14:45	09/05/15 11:02
680-116473-13	Field Blank Site 4	Water	09/04/15 14:35	09/05/15 11:02
680-116473-14	Site 6 E	Water	09/04/15 15:45	09/05/15 11:02
680-116473-15	Site 6 L	Water	09/04/15 15:55	09/05/15 11:02
680-116473-16	Trip Blank	Water	09/04/15 00:00	09/05/15 11:02

Job ID: 680-116473-1

Laboratory: TestAmerica Savannah

Narrative

Job Narrative
680-116473-1

Comments
No additional comments.

Receipt
The samples were received on 9/5/2015 11:02 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 4 coolers at receipt time were 1.6º C, 1.8º C, 2.0º C and 2.8º C.

Receipt Exceptions
Sample 7 SVOC needs re-extraction. Revised report includes updated results.

Client requested project specific limits be implemented for organics.

GC/MS VOA
Method(s) 524.2: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for analytical batch 680-400271 recovered outside control limits for the following analytes: Bromomethane. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA
Method(s) 525.2: Surrogate recovery was outside acceptance limits for the following matrix spike/matrix spike duplicate (MS/MSD) sample: (180-47391-C-2-A MS). The parent sample's surrogate recovery was within limits. The MS/MSD sample has been qualified and reported.

Method(s) 525.2: The sample needs to be reextracted for low surrogate and internal standard recoveries. Site 1 E (680-116473-7)

Method(s) 525.2: The laboratory control sample (LCS) for preparation batch 680-400045 and analytical batch 680-400293 recovered outside control limits for the following analytes: Hexachlorocyclopentadiene. A low-level LCS (LLCS), spiked at the reporting limit (RL), was prepared with this batch. The affected target analytes recovered within acceptance limits; therefore, the LLCS demonstrates the analytical system had sufficient sensitivity to detect the compounds had they been present. Since the affected target compounds were not detected in the samples, the data have been reported and qualified.

Method(s) 525.2: The laboratory control sample duplicate (LCSD) for preparation batch 680-400839 and analytical batch 680-401227 recovered outside control limits for the following analytes: Hexachlorocyclopentadiene. A low-level LCS (LLCS), spiked at the reporting limit (RL), was prepared with this batch. The affected target analytes recovered within acceptance limits; therefore, the LLCS demonstrates the analytical system had sufficient sensitivity to detect the compounds had they been present. Since the affected target compounds were not detected in the samples, the data have been reported and qualified.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Client Sample ID: Site 2 E
Date Collected: 09/04/15 11:25
Date Received: 09/05/15 11:02

Lab Sample ID: 680-116473-1
Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.50		0.50	0.50	ug/L			09/10/15 12:29	1
Bromobenzene	<0.091		0.50	0.091	ug/L			09/10/15 12:29	1
Bromoform	<1.0		1.0	1.0	ug/L			09/10/15 12:29	1
Bromomethane	<0.20	*	1.0	0.20	ug/L			09/10/15 12:29	1
Carbon tetrachloride	<0.50		0.50	0.50	ug/L			09/10/15 12:29	1
Chlorobenzene	<0.50		0.50	0.50	ug/L			09/10/15 12:29	1
Chlorodibromomethane	**4.7**		1.0	1.0	ug/L			09/10/15 12:29	1
Chloroethane	<0.22		1.0	0.22	ug/L			09/10/15 12:29	1
Chloroform	**11**		1.0	1.0	ug/L			09/10/15 12:29	1
Chloromethane	<0.15		0.50	0.15	ug/L			09/10/15 12:29	1
2-Chlorotoluene	<0.11		0.50	0.11	ug/L			09/10/15 12:29	1
4-Chlorotoluene	<0.13		0.50	0.13	ug/L			09/10/15 12:29	1
cis-1,2-Dichloroethene	<0.50		0.50	0.50	ug/L			09/10/15 12:29	1
cis-1,3-Dichloropropene	<0.081		0.50	0.081	ug/L			09/10/15 12:29	1
Dibromomethane	<0.16		0.50	0.16	ug/L			09/10/15 12:29	1
1,2-Dichlorobenzene	<0.50		0.50	0.50	ug/L			09/10/15 12:29	1
1,3-Dichlorobenzene	<0.50		0.50	0.50	ug/L			09/10/15 12:29	1
1,4-Dichlorobenzene	<0.50		0.50	0.50	ug/L			09/10/15 12:29	1
Dichlorobromomethane	**8.5**		1.0	1.0	ug/L			09/10/15 12:29	1
1,1-Dichloroethane	<0.50		0.50	0.50	ug/L			09/10/15 12:29	1
1,2-Dichloroethane	<0.50		0.50	0.50	ug/L			09/10/15 12:29	1
1,1-Dichloroethene	<0.50		0.50	0.50	ug/L			09/10/15 12:29	1
1,2-Dichloropropane	<0.50		0.50	0.50	ug/L			09/10/15 12:29	1
1,3-Dichloropropane	<0.10		0.50	0.10	ug/L			09/10/15 12:29	1
2,2-Dichloropropane	<0.20		0.50	0.20	ug/L			09/10/15 12:29	1
1,1-Dichloropropene	<0.095		0.50	0.095	ug/L			09/10/15 12:29	1
Ethylbenzene	<0.50		0.50	0.50	ug/L			09/10/15 12:29	1
Methylene Chloride	<0.50		0.50	0.50	ug/L			09/10/15 12:29	1
Methyl tert-butyl ether	<0.50		0.50	0.50	ug/L			09/10/15 12:29	1
m-Xylene & p-Xylene	<0.50		0.50	0.50	ug/L			09/10/15 12:29	1
o-Xylene	<0.50		0.50	0.50	ug/L			09/10/15 12:29	1
Styrene	<0.50		0.50	0.50	ug/L			09/10/15 12:29	1
1,1,1,2-Tetrachloroethane	<0.24		0.50	0.24	ug/L			09/10/15 12:29	1
1,1,2,2-Tetrachloroethane	<0.13		0.50	0.13	ug/L			09/10/15 12:29	1
Tetrachloroethene	<0.50		0.50	0.50	ug/L			09/10/15 12:29	1
Toluene	<0.50		0.50	0.50	ug/L			09/10/15 12:29	1
trans-1,2-Dichloroethene	<0.50		0.50	0.50	ug/L			09/10/15 12:29	1
trans-1,3-Dichloropropene	<0.11		0.50	0.11	ug/L			09/10/15 12:29	1
1,2,4-Trichlorobenzene	<0.50		0.50	0.50	ug/L			09/10/15 12:29	1
1,1,1-Trichloroethane	<0.50		0.50	0.50	ug/L			09/10/15 12:29	1
1,1,2-Trichloroethane	<0.50		0.50	0.50	ug/L			09/10/15 12:29	1
Trichloroethene	<0.50		0.50	0.50	ug/L			09/10/15 12:29	1
1,2,3-Trichloropropane	<0.17		0.50	0.17	ug/L			09/10/15 12:29	1
Vinyl chloride	<0.50		0.50	0.50	ug/L			09/10/15 12:29	1
Xylenes, Total	<0.50		0.50	0.50	ug/L			09/10/15 12:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*70 - 130*		*09/10/15 12:29*	*1*
1,2-Dichlorobenzene-d4 (Surr)	*98*		*70 - 130*		*09/10/15 12:29*	*1*

Client Sample ID: Site 2 E

Date Collected: 09/04/15 11:25
Date Received: 09/05/15 11:02

Lab Sample ID: 680-116473-1
Matrix: Water

Method: 525.2 - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	<0.19		0.19	0.19	ug/L		09/09/15 08:08	09/10/15 16:10	1
Acenaphthene	<0.038		0.19	0.038	ug/L		09/09/15 08:08	09/10/15 16:10	1
Acenaphthylene	<0.019		0.19	0.019	ug/L		09/09/15 08:08	09/10/15 16:10	1
Alachlor	<0.19		0.19	0.19	ug/L		09/09/15 08:08	09/10/15 16:10	1
Anthracene	<0.022		0.19	0.022	ug/L		09/09/15 08:08	09/10/15 16:10	1
Atrazine	<0.29		0.29	0.29	ug/L		09/09/15 08:08	09/10/15 16:10	1
Benzo[a]anthracene	<0.019		0.096	0.019	ug/L		09/09/15 08:08	09/10/15 16:10	1
Benzo[a]pyrene	<0.096		0.096	0.096	ug/L		09/09/15 08:08	09/10/15 16:10	1
Benzo[b]fluoranthene	<0.021		0.096	0.021	ug/L		09/09/15 08:08	09/10/15 16:10	1
Benzo[g,h,i]perylene	<0.043		0.096	0.043	ug/L		09/09/15 08:08	09/10/15 16:10	1
Benzo[k]fluoranthene	<0.034		0.096	0.034	ug/L		09/09/15 08:08	09/10/15 16:10	1
Bis(2-ethylhexyl) phthalate	<1.7		1.9	1.7	ug/L		09/09/15 08:08	09/10/15 16:10	1
Chrysene	<0.019		0.19	0.019	ug/L		09/09/15 08:08	09/10/15 16:10	1
Di(2-ethylhexyl)adipate	<0.58		1.4	0.58	ug/L		09/09/15 08:08	09/10/15 16:10	1
Dibenz(a,h)anthracene	<0.060		0.096	0.060	ug/L		09/09/15 08:08	09/10/15 16:10	1
Endrin	<0.096		0.48	0.096	ug/L		09/09/15 08:08	09/10/15 16:10	1
Fluoranthene	<0.019		0.19	0.019	ug/L		09/09/15 08:08	09/10/15 16:10	1
Fluorene	<0.019		0.19	0.019	ug/L		09/09/15 08:08	09/10/15 16:10	1
gamma-BHC (Lindane)	<0.096		0.19	0.096	ug/L		09/09/15 08:08	09/10/15 16:10	1
Heptachlor	<0.038		0.19	0.038	ug/L		09/09/15 08:08	09/10/15 16:10	1
Heptachlor epoxide	<0.019		0.38	0.019	ug/L		09/09/15 08:08	09/10/15 16:10	1
Hexachlorobenzene	<0.096		0.19	0.096	ug/L		09/09/15 08:08	09/10/15 16:10	1
Hexachlorocyclopentadiene	<0.48		1.9	0.48	ug/L		09/09/15 08:08	09/10/15 16:10	1
Indeno[1,2,3-cd]pyrene	<0.034		0.096	0.034	ug/L		09/09/15 08:08	09/10/15 16:10	1
Methoxychlor	<0.096		0.48	0.096	ug/L		09/09/15 08:08	09/10/15 16:10	1
Naphthalene	<0.019		0.19	0.019	ug/L		09/09/15 08:08	09/10/15 16:10	1
Phenanthrene	<0.019		0.19	0.019	ug/L		09/09/15 08:08	09/10/15 16:10	1
Pyrene	<0.019		0.19	0.019	ug/L		09/09/15 08:08	09/10/15 16:10	1
Simazine	<0.34		0.48	0.34	ug/L		09/09/15 08:08	09/10/15 16:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Nitro-m-xylene	*97*		*70 - 130*	*09/09/15 08:08*	*09/10/15 16:10*	*1*
Acenaphthene-d10 (Surr)	*74*		*70 - 130*	*09/09/15 08:08*	*09/10/15 16:10*	*1*
Chrysene-d12 (Surr)	*90*		*70 - 130*	*09/09/15 08:08*	*09/10/15 16:10*	*1*
Perylene-d12	*83*		*70 - 130*	*09/09/15 08:08*	*09/10/15 16:10*	*1*
Phenanthrene-d10 (Surr)	*79*		*70 - 130*	*09/09/15 08:08*	*09/10/15 16:10*	*1*
Triphenylphosphate	*100*		*70 - 130*	*09/09/15 08:08*	*09/10/15 16:10*	*1*

Client Sample ID: Site 2 L

Date Collected: 09/04/15 11:35
Date Received: 09/05/15 11:02

Lab Sample ID: 680-116473-2
Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.50		0.50	0.50	ug/L			09/10/15 12:50	1
Bromobenzene	<0.091		0.50	0.091	ug/L			09/10/15 12:50	1
Bromoform	<1.0		1.0	1.0	ug/L			09/10/15 12:50	1
Bromomethane	<0.20	*	1.0	0.20	ug/L			09/10/15 12:50	1
Carbon tetrachloride	<0.50		0.50	0.50	ug/L			09/10/15 12:50	1
Chlorobenzene	<0.50		0.50	0.50	ug/L			09/10/15 12:50	1

Client: SCS Engineers
Project/Site: James Park - 25214107

TestAmerica Job ID: 680-116473-1
SDG: Residential Well Sampling

Client Sample ID: Site 2 L
Date Collected: 09/04/15 11:35
Date Received: 09/05/15 11:02

Lab Sample ID: 680-116473-2
Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorodibromomethane	**4.7**		1.0	1.0	ug/L			09/10/15 12:50	1
Chloroethane	<0.22		1.0	0.22	ug/L			09/10/15 12:50	1
Chloroform	**11**		1.0	1.0	ug/L			09/10/15 12:50	1
Chloromethane	<0.15		0.50	0.15	ug/L			09/10/15 12:50	1
2-Chlorotoluene	<0.11		0.50	0.11	ug/L			09/10/15 12:50	1
4-Chlorotoluene	<0.13		0.50	0.13	ug/L			09/10/15 12:50	1
cis-1,2-Dichloroethene	<0.50		0.50	0.50	ug/L			09/10/15 12:50	1
cis-1,3-Dichloropropene	<0.081		0.50	0.081	ug/L			09/10/15 12:50	1
Dibromomethane	<0.16		0.50	0.16	ug/L			09/10/15 12:50	1
1,2-Dichlorobenzene	<0.50		0.50	0.50	ug/L			09/10/15 12:50	1
1,3-Dichlorobenzene	<0.50		0.50	0.50	ug/L			09/10/15 12:50	1
1,4-Dichlorobenzene	<0.50		0.50	0.50	ug/L			09/10/15 12:50	1
Dichlorobromomethane	**8.4**		1.0	1.0	ug/L			09/10/15 12:50	1
1,1-Dichloroethane	<0.50		0.50	0.50	ug/L			09/10/15 12:50	1
1,2-Dichloroethane	<0.50		0.50	0.50	ug/L			09/10/15 12:50	1
1,1-Dichloroethene	<0.50		0.50	0.50	ug/L			09/10/15 12:50	1
1,2-Dichloropropane	<0.50		0.50	0.50	ug/L			09/10/15 12:50	1
1,3-Dichloropropane	<0.10		0.50	0.10	ug/L			09/10/15 12:50	1
2,2-Dichloropropane	<0.20		0.50	0.20	ug/L			09/10/15 12:50	1
1,1-Dichloropropene	<0.095		0.50	0.095	ug/L			09/10/15 12:50	1
Ethylbenzene	<0.50		0.50	0.50	ug/L			09/10/15 12:50	1
Methylene Chloride	<0.50		0.50	0.50	ug/L			09/10/15 12:50	1
Methyl tert-butyl ether	<0.50		0.50	0.50	ug/L			09/10/15 12:50	1
m-Xylene & p-Xylene	<0.50		0.50	0.50	ug/L			09/10/15 12:50	1
o-Xylene	<0.50		0.50	0.50	ug/L			09/10/15 12:50	1
Styrene	<0.50		0.50	0.50	ug/L			09/10/15 12:50	1
1,1,1,2-Tetrachloroethane	<0.24		0.50	0.24	ug/L			09/10/15 12:50	1
1,1,2,2-Tetrachloroethane	<0.13		0.50	0.13	ug/L			09/10/15 12:50	1
Tetrachloroethene	<0.50		0.50	0.50	ug/L			09/10/15 12:50	1
Toluene	<0.50		0.50	0.50	ug/L			09/10/15 12:50	1
trans-1,2-Dichloroethene	<0.50		0.50	0.50	ug/L			09/10/15 12:50	1
trans-1,3-Dichloropropene	<0.11		0.50	0.11	ug/L			09/10/15 12:50	1
1,2,4-Trichlorobenzene	<0.50		0.50	0.50	ug/L			09/10/15 12:50	1
1,1,1-Trichloroethane	<0.50		0.50	0.50	ug/L			09/10/15 12:50	1
1,1,2-Trichloroethane	<0.50		0.50	0.50	ug/L			09/10/15 12:50	1
Trichloroethene	<0.50		0.50	0.50	ug/L			09/10/15 12:50	1
1,2,3-Trichloropropane	<0.17		0.50	0.17	ug/L			09/10/15 12:50	1
Vinyl chloride	<0.50		0.50	0.50	ug/L			09/10/15 12:50	1
Xylenes, Total	<0.50		0.50	0.50	ug/L			09/10/15 12:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*70 - 130*		*09/10/15 12:50*	*1*
1,2-Dichlorobenzene-d4 (Surr)	*96*		*70 - 130*		*09/10/15 12:50*	*1*

Method: 525.2 - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	<0.19		0.19	0.19	ug/L		09/09/15 08:08	09/10/15 16:38	1
Acenaphthene	<0.039		0.19	0.039	ug/L		09/09/15 08:08	09/10/15 16:38	1
Acenaphthylene	<0.019		0.19	0.019	ug/L		09/09/15 08:08	09/10/15 16:38	1
Alachlor	<0.19		0.19	0.19	ug/L		09/09/15 08:08	09/10/15 16:38	1

Client Sample ID: Site 2 L

Date Collected: 09/04/15 11:35
Date Received: 09/05/15 11:02

Lab Sample ID: 680-116473-2

Matrix: Water

Method: 525.2 - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	<0.022		0.19	0.022	ug/L		09/09/15 08:08	09/10/15 16:38	1
Atrazine	<0.29		0.29	0.29	ug/L		09/09/15 08:08	09/10/15 16:38	1
Benzo[a]anthracene	<0.019		0.097	0.019	ug/L		09/09/15 08:08	09/10/15 16:38	1
Benzo[a]pyrene	<0.097		0.097	0.097	ug/L		09/09/15 08:08	09/10/15 16:38	1
Benzo[b]fluoranthene	<0.021		0.097	0.021	ug/L		09/09/15 08:08	09/10/15 16:38	1
Benzo[g,h,i]perylene	<0.044		0.097	0.044	ug/L		09/09/15 08:08	09/10/15 16:38	1
Benzo[k]fluoranthene	<0.034		0.097	0.034	ug/L		09/09/15 08:08	09/10/15 16:38	1
Bis(2-ethylhexyl) phthalate	<1.7		1.9	1.7	ug/L		09/09/15 08:08	09/10/15 16:38	1
Chrysene	<0.019		0.19	0.019	ug/L		09/09/15 08:08	09/10/15 16:38	1
Di(2-ethylhexyl)adipate	<0.58		1.5	0.58	ug/L		09/09/15 08:08	09/10/15 16:38	1
Dibenz(a,h)anthracene	<0.060		0.097	0.060	ug/L		09/09/15 08:08	09/10/15 16:38	1
Endrin	<0.097		0.48	0.097	ug/L		09/09/15 08:08	09/10/15 16:38	1
Fluoranthene	<0.019		0.19	0.019	ug/L		09/09/15 08:08	09/10/15 16:38	1
Fluorene	<0.019		0.19	0.019	ug/L		09/09/15 08:08	09/10/15 16:38	1
gamma-BHC (Lindane)	<0.097		0.19	0.097	ug/L		09/09/15 08:08	09/10/15 16:38	1
Heptachlor	<0.039		0.19	0.039	ug/L		09/09/15 08:08	09/10/15 16:38	1
Heptachlor epoxide	<0.019		0.39	0.019	ug/L		09/09/15 08:08	09/10/15 16:38	1
Hexachlorobenzene	<0.097		0.19	0.097	ug/L		09/09/15 08:08	09/10/15 16:38	1
Hexachlorocyclopentadiene	<0.48		1.9	0.48	ug/L		09/09/15 08:08	09/10/15 16:38	1
Indeno[1,2,3-cd]pyrene	<0.034		0.097	0.034	ug/L		09/09/15 08:08	09/10/15 16:38	1
Methoxychlor	<0.097		0.48	0.097	ug/L		09/09/15 08:08	09/10/15 16:38	1
Naphthalene	<0.019		0.19	0.019	ug/L		09/09/15 08:08	09/10/15 16:38	1
Phenanthrene	<0.019		0.19	0.019	ug/L		09/09/15 08:08	09/10/15 16:38	1
Pyrene	<0.019		0.19	0.019	ug/L		09/09/15 08:08	09/10/15 16:38	1
Simazine	<0.34		0.48	0.34	ug/L		09/09/15 08:08	09/10/15 16:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Nitro-m-xylene	*95*		*70 - 130*	*09/09/15 08:08*	*09/10/15 16:38*	*1*
Acenaphthene-d10 (Surr)	*76*		*70 - 130*	*09/09/15 08:08*	*09/10/15 16:38*	*1*
Chrysene-d12 (Surr)	*93*		*70 - 130*	*09/09/15 08:08*	*09/10/15 16:38*	*1*
Perylene-d12	*85*		*70 - 130*	*09/09/15 08:08*	*09/10/15 16:38*	*1*
Phenanthrene-d10 (Surr)	*81*		*70 - 130*	*09/09/15 08:08*	*09/10/15 16:38*	*1*
Triphenylphosphate	*99*		*70 - 130*	*09/09/15 08:08*	*09/10/15 16:38*	*1*

Client Sample ID: Field Blank Site 2

Date Collected: 09/04/15 11:25
Date Received: 09/05/15 11:02

Lab Sample ID: 680-116473-3

Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.50		0.50	0.50	ug/L			09/10/15 11:04	1
Bromobenzene	<0.091		0.50	0.091	ug/L			09/10/15 11:04	1
Bromoform	<1.0		1.0	1.0	ug/L			09/10/15 11:04	1
Bromomethane	<0.20	*	1.0	0.20	ug/L			09/10/15 11:04	1
Carbon tetrachloride	<0.50		0.50	0.50	ug/L			09/10/15 11:04	1
Chlorobenzene	<0.50		0.50	0.50	ug/L			09/10/15 11:04	1
Chlorodibromomethane	<1.0		1.0	1.0	ug/L			09/10/15 11:04	1
Chloroethane	<0.22		1.0	0.22	ug/L			09/10/15 11:04	1
Chloroform	<1.0		1.0	1.0	ug/L			09/10/15 11:04	1
Chloromethane	<0.15		0.50	0.15	ug/L			09/10/15 11:04	1

Client Sample ID: Field Blank Site 2
Date Collected: 09/04/15 11:25
Date Received: 09/05/15 11:02

Lab Sample ID: 680-116473-3
Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorotoluene	<0.11		0.50	0.11	ug/L			09/10/15 11:04	1
4-Chlorotoluene	<0.13		0.50	0.13	ug/L			09/10/15 11:04	1
cis-1,2-Dichloroethene	<0.50		0.50	0.50	ug/L			09/10/15 11:04	1
cis-1,3-Dichloropropene	<0.081		0.50	0.081	ug/L			09/10/15 11:04	1
Dibromomethane	<0.16		0.50	0.16	ug/L			09/10/15 11:04	1
1,2-Dichlorobenzene	<0.50		0.50	0.50	ug/L			09/10/15 11:04	1
1,3-Dichlorobenzene	<0.50		0.50	0.50	ug/L			09/10/15 11:04	1
1,4-Dichlorobenzene	<0.50		0.50	0.50	ug/L			09/10/15 11:04	1
Dichlorobromomethane	<1.0		1.0	1.0	ug/L			09/10/15 11:04	1
1,1-Dichloroethane	<0.50		0.50	0.50	ug/L			09/10/15 11:04	1
1,2-Dichloroethane	<0.50		0.50	0.50	ug/L			09/10/15 11:04	1
1,1-Dichloroethene	<0.50		0.50	0.50	ug/L			09/10/15 11:04	1
1,2-Dichloropropane	<0.50		0.50	0.50	ug/L			09/10/15 11:04	1
1,3-Dichloropropane	<0.10		0.50	0.10	ug/L			09/10/15 11:04	1
2,2-Dichloropropane	<0.20		0.50	0.20	ug/L			09/10/15 11:04	1
1,1-Dichloropropene	<0.095		0.50	0.095	ug/L			09/10/15 11:04	1
Ethylbenzene	<0.50		0.50	0.50	ug/L			09/10/15 11:04	1
Methylene Chloride	<0.50		0.50	0.50	ug/L			09/10/15 11:04	1
Methyl tert-butyl ether	<0.50		0.50	0.50	ug/L			09/10/15 11:04	1
m-Xylene & p-Xylene	<0.50		0.50	0.50	ug/L			09/10/15 11:04	1
o-Xylene	<0.50		0.50	0.50	ug/L			09/10/15 11:04	1
Styrene	<0.50		0.50	0.50	ug/L			09/10/15 11:04	1
1,1,1,2-Tetrachloroethane	<0.24		0.50	0.24	ug/L			09/10/15 11:04	1
1,1,2,2-Tetrachloroethane	<0.13		0.50	0.13	ug/L			09/10/15 11:04	1
Tetrachloroethene	<0.50		0.50	0.50	ug/L			09/10/15 11:04	1
Toluene	**0.77**		0.50	0.50	ug/L			09/10/15 11:04	1
trans-1,2-Dichloroethene	<0.50		0.50	0.50	ug/L			09/10/15 11:04	1
trans-1,3-Dichloropropene	<0.11		0.50	0.11	ug/L			09/10/15 11:04	1
1,2,4-Trichlorobenzene	<0.50		0.50	0.50	ug/L			09/10/15 11:04	1
1,1,1-Trichloroethane	<0.50		0.50	0.50	ug/L			09/10/15 11:04	1
1,1,2-Trichloroethane	<0.50		0.50	0.50	ug/L			09/10/15 11:04	1
Trichloroethene	<0.50		0.50	0.50	ug/L			09/10/15 11:04	1
1,2,3-Trichloropropane	<0.17		0.50	0.17	ug/L			09/10/15 11:04	1
Vinyl chloride	<0.50		0.50	0.50	ug/L			09/10/15 11:04	1
Xylenes, Total	<0.50		0.50	0.50	ug/L			09/10/15 11:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*70 - 130*		*09/10/15 11:04*	*1*
1,2-Dichlorobenzene-d4 (Surr)	*99*		*70 - 130*		*09/10/15 11:04*	*1*

Method: 525.2 - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	<0.19		0.19	0.19	ug/L		09/09/15 08:08	09/10/15 17:06	1
Acenaphthene	<0.039		0.19	0.039	ug/L		09/09/15 08:08	09/10/15 17:06	1
Acenaphthylene	<0.019		0.19	0.019	ug/L		09/09/15 08:08	09/10/15 17:06	1
Alachlor	<0.19		0.19	0.19	ug/L		09/09/15 08:08	09/10/15 17:06	1
Anthracene	<0.022		0.19	0.022	ug/L		09/09/15 08:08	09/10/15 17:06	1
Atrazine	<0.29		0.29	0.29	ug/L		09/09/15 08:08	09/10/15 17:06	1
Benzo[a]anthracene	<0.019		0.097	0.019	ug/L		09/09/15 08:08	09/10/15 17:06	1
Benzo[a]pyrene	<0.097		0.097	0.097	ug/L		09/09/15 08:08	09/10/15 17:06	1

Client Sample ID: Field Blank Site 2

Lab Sample ID: 680-116473-3

Date Collected: 09/04/15 11:25
Matrix: Water
Date Received: 09/05/15 11:02

Method: 525.2 - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	<0.021		0.097	0.021	ug/L		09/09/15 08:08	09/10/15 17:06	1
Benzo[g,h,i]perylene	<0.043		0.097	0.043	ug/L		09/09/15 08:08	09/10/15 17:06	1
Benzo[k]fluoranthene	<0.034		0.097	0.034	ug/L		09/09/15 08:08	09/10/15 17:06	1
Bis(2-ethylhexyl) phthalate	<1.7		1.9	1.7	ug/L		09/09/15 08:08	09/10/15 17:06	1
Chrysene	<0.019		0.19	0.019	ug/L		09/09/15 08:08	09/10/15 17:06	1
Di(2-ethylhexyl)adipate	<0.58		1.4	0.58	ug/L		09/09/15 08:08	09/10/15 17:06	1
Dibenz(a,h)anthracene	<0.060		0.097	0.060	ug/L		09/09/15 08:08	09/10/15 17:06	1
Endrin	<0.097		0.48	0.097	ug/L		09/09/15 08:08	09/10/15 17:06	1
Fluoranthene	<0.019		0.19	0.019	ug/L		09/09/15 08:08	09/10/15 17:06	1
Fluorene	<0.019		0.19	0.019	ug/L		09/09/15 08:08	09/10/15 17:06	1
gamma-BHC (Lindane)	<0.097		0.19	0.097	ug/L		09/09/15 08:08	09/10/15 17:06	1
Heptachlor	<0.039		0.19	0.039	ug/L		09/09/15 08:08	09/10/15 17:06	1
Heptachlor epoxide	<0.019		0.39	0.019	ug/L		09/09/15 08:08	09/10/15 17:06	1
Hexachlorobenzene	<0.097		0.19	0.097	ug/L		09/09/15 08:08	09/10/15 17:06	1
Hexachlorocyclopentadiene	<0.48		1.9	0.48	ug/L		09/09/15 08:08	09/10/15 17:06	1
Indeno[1,2,3-cd]pyrene	<0.034		0.097	0.034	ug/L		09/09/15 08:08	09/10/15 17:06	1
Methoxychlor	<0.097		0.48	0.097	ug/L		09/09/15 08:08	09/10/15 17:06	1
Naphthalene	**0.078**	**J**	0.19	0.019	ug/L		09/09/15 08:08	09/10/15 17:06	1
Phenanthrene	<0.019		0.19	0.019	ug/L		09/09/15 08:08	09/10/15 17:06	1
Pyrene	<0.019		0.19	0.019	ug/L		09/09/15 08:08	09/10/15 17:06	1
Simazine	<0.34		0.48	0.34	ug/L		09/09/15 08:08	09/10/15 17:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Nitro-m-xylene	*98*		*70 - 130*	*09/09/15 08:08*	*09/10/15 17:06*	*1*
Acenaphthene-d10 (Surr)	*73*		*70 - 130*	*09/09/15 08:08*	*09/10/15 17:06*	*1*
Chrysene-d12 (Surr)	*96*		*70 - 130*	*09/09/15 08:08*	*09/10/15 17:06*	*1*
Perylene-d12	*91*		*70 - 130*	*09/09/15 08:08*	*09/10/15 17:06*	*1*
Phenanthrene-d10 (Surr)	*78*		*70 - 130*	*09/09/15 08:08*	*09/10/15 17:06*	*1*
Triphenylphosphate	*97*		*70 - 130*	*09/09/15 08:08*	*09/10/15 17:06*	*1*

Client Sample ID: Site 5 E

Lab Sample ID: 680-116473-4

Date Collected: 09/04/15 12:15
Matrix: Water
Date Received: 09/05/15 11:02

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.50		0.50	0.50	ug/L			09/10/15 13:11	1
Bromobenzene	<0.091		0.50	0.091	ug/L			09/10/15 13:11	1
Bromoform	<1.0		1.0	1.0	ug/L			09/10/15 13:11	1
Bromomethane	<0.20	*	1.0	0.20	ug/L			09/10/15 13:11	1
Carbon tetrachloride	<0.50		0.50	0.50	ug/L			09/10/15 13:11	1
Chlorobenzene	<0.50		0.50	0.50	ug/L			09/10/15 13:11	1
Chlorodibromomethane	**5.2**		1.0	1.0	ug/L			09/10/15 13:11	1
Chloroethane	<0.22		1.0	0.22	ug/L			09/10/15 13:11	1
Chloroform	**13**		1.0	1.0	ug/L			09/10/15 13:11	1
Chloromethane	<0.15		0.50	0.15	ug/L			09/10/15 13:11	1
2-Chlorotoluene	<0.11		0.50	0.11	ug/L			09/10/15 13:11	1
4-Chlorotoluene	<0.13		0.50	0.13	ug/L			09/10/15 13:11	1
cis-1,2-Dichloroethene	<0.50		0.50	0.50	ug/L			09/10/15 13:11	1
cis-1,3-Dichloropropene	<0.081		0.50	0.081	ug/L			09/10/15 13:11	1

Client Sample ID: Site 5 E
Date Collected: 09/04/15 12:15
Date Received: 09/05/15 11:02

Lab Sample ID: 680-116473-4
Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibromomethane	<0.16		0.50	0.16	ug/L			09/10/15 13:11	1
1,2-Dichlorobenzene	<0.50		0.50	0.50	ug/L			09/10/15 13:11	1
1,3-Dichlorobenzene	<0.50		0.50	0.50	ug/L			09/10/15 13:11	1
1,4-Dichlorobenzene	<0.50		0.50	0.50	ug/L			09/10/15 13:11	1
Dichlorobromomethane	**9.2**		1.0	1.0	ug/L			09/10/15 13:11	1
1,1-Dichloroethane	<0.50		0.50	0.50	ug/L			09/10/15 13:11	1
1,2-Dichloroethane	<0.50		0.50	0.50	ug/L			09/10/15 13:11	1
1,1-Dichloroethene	<0.50		0.50	0.50	ug/L			09/10/15 13:11	1
1,2-Dichloropropane	<0.50		0.50	0.50	ug/L			09/10/15 13:11	1
1,3-Dichloropropane	<0.10		0.50	0.10	ug/L			09/10/15 13:11	1
2,2-Dichloropropane	<0.20		0.50	0.20	ug/L			09/10/15 13:11	1
1,1-Dichloropropene	<0.095		0.50	0.095	ug/L			09/10/15 13:11	1
Ethylbenzene	<0.50		0.50	0.50	ug/L			09/10/15 13:11	1
Methylene Chloride	<0.50		0.50	0.50	ug/L			09/10/15 13:11	1
Methyl tert-butyl ether	<0.50		0.50	0.50	ug/L			09/10/15 13:11	1
m-Xylene & p-Xylene	<0.50		0.50	0.50	ug/L			09/10/15 13:11	1
o-Xylene	<0.50		0.50	0.50	ug/L			09/10/15 13:11	1
Styrene	<0.50		0.50	0.50	ug/L			09/10/15 13:11	1
1,1,1,2-Tetrachloroethane	<0.24		0.50	0.24	ug/L			09/10/15 13:11	1
1,1,2,2-Tetrachloroethane	<0.13		0.50	0.13	ug/L			09/10/15 13:11	1
Tetrachloroethene	<0.50		0.50	0.50	ug/L			09/10/15 13:11	1
Toluene	<0.50		0.50	0.50	ug/L			09/10/15 13:11	1
trans-1,2-Dichloroethene	<0.50		0.50	0.50	ug/L			09/10/15 13:11	1
trans-1,3-Dichloropropene	<0.11		0.50	0.11	ug/L			09/10/15 13:11	1
1,2,4-Trichlorobenzene	<0.50		0.50	0.50	ug/L			09/10/15 13:11	1
1,1,1-Trichloroethane	<0.50		0.50	0.50	ug/L			09/10/15 13:11	1
1,1,2-Trichloroethane	<0.50		0.50	0.50	ug/L			09/10/15 13:11	1
Trichloroethene	<0.50		0.50	0.50	ug/L			09/10/15 13:11	1
1,2,3-Trichloropropane	<0.17		0.50	0.17	ug/L			09/10/15 13:11	1
Vinyl chloride	<0.50		0.50	0.50	ug/L			09/10/15 13:11	1
Xylenes, Total	<0.50		0.50	0.50	ug/L			09/10/15 13:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*		*70 - 130*		*09/10/15 13:11*	*1*
1,2-Dichlorobenzene-d4 (Surr)	*99*		*70 - 130*		*09/10/15 13:11*	*1*

Method: 525.2 - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	<0.19		0.19	0.19	ug/L		09/09/15 08:08	09/10/15 17:34	1
Acenaphthene	<0.039		0.19	0.039	ug/L		09/09/15 08:08	09/10/15 17:34	1
Acenaphthylene	<0.019		0.19	0.019	ug/L		09/09/15 08:08	09/10/15 17:34	1
Alachlor	<0.19		0.19	0.19	ug/L		09/09/15 08:08	09/10/15 17:34	1
Anthracene	<0.022		0.19	0.022	ug/L		09/09/15 08:08	09/10/15 17:34	1
Atrazine	<0.29		0.29	0.29	ug/L		09/09/15 08:08	09/10/15 17:34	1
Benzo[a]anthracene	<0.019		0.097	0.019	ug/L		09/09/15 08:08	09/10/15 17:34	1
Benzo[a]pyrene	<0.097		0.097	0.097	ug/L		09/09/15 08:08	09/10/15 17:34	1
Benzo[b]fluoranthene	<0.021		0.097	0.021	ug/L		09/09/15 08:08	09/10/15 17:34	1
Benzo[g,h,i]perylene	<0.043		0.097	0.043	ug/L		09/09/15 08:08	09/10/15 17:34	1
Benzo[k]fluoranthene	<0.034		0.097	0.034	ug/L		09/09/15 08:08	09/10/15 17:34	1
Bis(2-ethylhexyl) phthalate	<1.7		1.9	1.7	ug/L		09/09/15 08:08	09/10/15 17:34	1

Client Sample ID: Site 5 E

Date Collected: 09/04/15 12:15
Date Received: 09/05/15 11:02

Lab Sample ID: 680-116473-4

Matrix: Water

Method: 525.2 - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chrysene	<0.019		0.19	0.019	ug/L		09/09/15 08:08	09/10/15 17:34	1
Di(2-ethylhexyl)adipate	<0.58		1.4	0.58	ug/L		09/09/15 08:08	09/10/15 17:34	1
Dibenz(a,h)anthracene	<0.060		0.097	0.060	ug/L		09/09/15 08:08	09/10/15 17:34	1
Endrin	<0.097		0.48	0.097	ug/L		09/09/15 08:08	09/10/15 17:34	1
Fluoranthene	<0.019		0.19	0.019	ug/L		09/09/15 08:08	09/10/15 17:34	1
Fluorene	<0.019		0.19	0.019	ug/L		09/09/15 08:08	09/10/15 17:34	1
gamma-BHC (Lindane)	<0.097		0.19	0.097	ug/L		09/09/15 08:08	09/10/15 17:34	1
Heptachlor	<0.039		0.19	0.039	ug/L		09/09/15 08:08	09/10/15 17:34	1
Heptachlor epoxide	<0.019		0.39	0.019	ug/L		09/09/15 08:08	09/10/15 17:34	1
Hexachlorobenzene	<0.097		0.19	0.097	ug/L		09/09/15 08:08	09/10/15 17:34	1
Hexachlorocyclopentadiene	<0.48		1.9	0.48	ug/L		09/09/15 08:08	09/10/15 17:34	1
Indeno[1,2,3-cd]pyrene	<0.034		0.097	0.034	ug/L		09/09/15 08:08	09/10/15 17:34	1
Methoxychlor	<0.097		0.48	0.097	ug/L		09/09/15 08:08	09/10/15 17:34	1
Naphthalene	<0.019		0.19	0.019	ug/L		09/09/15 08:08	09/10/15 17:34	1
Phenanthrene	<0.019		0.19	0.019	ug/L		09/09/15 08:08	09/10/15 17:34	1
Pyrene	<0.019		0.19	0.019	ug/L		09/09/15 08:08	09/10/15 17:34	1
Simazine	<0.34		0.48	0.34	ug/L		09/09/15 08:08	09/10/15 17:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Nitro-m-xylene	*96*		*70 - 130*	*09/09/15 08:08*	*09/10/15 17:34*	*1*
Acenaphthene-d10 (Surr)	*70*		*70 - 130*	*09/09/15 08:08*	*09/10/15 17:34*	*1*
Chrysene-d12 (Surr)	*94*		*70 - 130*	*09/09/15 08:08*	*09/10/15 17:34*	*1*
Perylene-d12	*91*		*70 - 130*	*09/09/15 08:08*	*09/10/15 17:34*	*1*
Phenanthrene-d10 (Surr)	*77*		*70 - 130*	*09/09/15 08:08*	*09/10/15 17:34*	*1*
Triphenylphosphate	*94*		*70 - 130*	*09/09/15 08:08*	*09/10/15 17:34*	*1*

Client Sample ID: Site 5 L

Date Collected: 09/04/15 12:25
Date Received: 09/05/15 11:02

Lab Sample ID: 680-116473-5

Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.50		0.50	0.50	ug/L			09/10/15 13:33	1
Bromobenzene	<0.091		0.50	0.091	ug/L			09/10/15 13:33	1
Bromoform	<1.0		1.0	1.0	ug/L			09/10/15 13:33	1
Bromomethane	<0.20	*	1.0	0.20	ug/L			09/10/15 13:33	1
Carbon tetrachloride	<0.50		0.50	0.50	ug/L			09/10/15 13:33	1
Chlorobenzene	<0.50		0.50	0.50	ug/L			09/10/15 13:33	1
Chlorodibromomethane	**5.2**		1.0	1.0	ug/L			09/10/15 13:33	1
Chloroethane	<0.22		1.0	0.22	ug/L			09/10/15 13:33	1
Chloroform	**13**		1.0	1.0	ug/L			09/10/15 13:33	1
Chloromethane	<0.15		0.50	0.15	ug/L			09/10/15 13:33	1
2-Chlorotoluene	<0.11		0.50	0.11	ug/L			09/10/15 13:33	1
4-Chlorotoluene	<0.13		0.50	0.13	ug/L			09/10/15 13:33	1
cis-1,2-Dichloroethene	<0.50		0.50	0.50	ug/L			09/10/15 13:33	1
cis-1,3-Dichloropropene	<0.081		0.50	0.081	ug/L			09/10/15 13:33	1
Dibromomethane	<0.16		0.50	0.16	ug/L			09/10/15 13:33	1
1,2-Dichlorobenzene	<0.50		0.50	0.50	ug/L			09/10/15 13:33	1
1,3-Dichlorobenzene	<0.50		0.50	0.50	ug/L			09/10/15 13:33	1
1,4-Dichlorobenzene	<0.50		0.50	0.50	ug/L			09/10/15 13:33	1

Client Sample ID: Site 5 L

Date Collected: 09/04/15 12:25
Date Received: 09/05/15 11:02

Lab Sample ID: 680-116473-5

Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorobromomethane	**9.5**		1.0	1.0	ug/L			09/10/15 13:33	1
1,1-Dichloroethane	<0.50		0.50	0.50	ug/L			09/10/15 13:33	1
1,2-Dichloroethane	<0.50		0.50	0.50	ug/L			09/10/15 13:33	1
1,1-Dichloroethene	<0.50		0.50	0.50	ug/L			09/10/15 13:33	1
1,2-Dichloropropane	<0.50		0.50	0.50	ug/L			09/10/15 13:33	1
1,3-Dichloropropane	<0.10		0.50	0.10	ug/L			09/10/15 13:33	1
2,2-Dichloropropane	<0.20		0.50	0.20	ug/L			09/10/15 13:33	1
1,1-Dichloropropene	<0.095		0.50	0.095	ug/L			09/10/15 13:33	1
Ethylbenzene	<0.50		0.50	0.50	ug/L			09/10/15 13:33	1
Methylene Chloride	<0.50		0.50	0.50	ug/L			09/10/15 13:33	1
Methyl tert-butyl ether	<0.50		0.50	0.50	ug/L			09/10/15 13:33	1
m-Xylene & p-Xylene	<0.50		0.50	0.50	ug/L			09/10/15 13:33	1
o-Xylene	<0.50		0.50	0.50	ug/L			09/10/15 13:33	1
Styrene	<0.50		0.50	0.50	ug/L			09/10/15 13:33	1
1,1,1,2-Tetrachloroethane	<0.24		0.50	0.24	ug/L			09/10/15 13:33	1
1,1,2,2-Tetrachloroethane	<0.13		0.50	0.13	ug/L			09/10/15 13:33	1
Tetrachloroethene	<0.50		0.50	0.50	ug/L			09/10/15 13:33	1
Toluene	<0.50		0.50	0.50	ug/L			09/10/15 13:33	1
trans-1,2-Dichloroethene	<0.50		0.50	0.50	ug/L			09/10/15 13:33	1
trans-1,3-Dichloropropene	<0.11		0.50	0.11	ug/L			09/10/15 13:33	1
1,2,4-Trichlorobenzene	<0.50		0.50	0.50	ug/L			09/10/15 13:33	1
1,1,1-Trichloroethane	<0.50		0.50	0.50	ug/L			09/10/15 13:33	1
1,1,2-Trichloroethane	<0.50		0.50	0.50	ug/L			09/10/15 13:33	1
Trichloroethene	<0.50		0.50	0.50	ug/L			09/10/15 13:33	1
1,2,3-Trichloropropane	<0.17		0.50	0.17	ug/L			09/10/15 13:33	1
Vinyl chloride	<0.50		0.50	0.50	ug/L			09/10/15 13:33	1
Xylenes, Total	<0.50		0.50	0.50	ug/L			09/10/15 13:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*70 - 130*		*09/10/15 13:33*	*1*
1,2-Dichlorobenzene-d4 (Surr)	*98*		*70 - 130*		*09/10/15 13:33*	*1*

Method: 525.2 - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	<0.19		0.19	0.19	ug/L		09/09/15 08:08	09/10/15 18:02	1
Acenaphthene	<0.038		0.19	0.038	ug/L		09/09/15 08:08	09/10/15 18:02	1
Acenaphthylene	<0.019		0.19	0.019	ug/L		09/09/15 08:08	09/10/15 18:02	1
Alachlor	<0.19		0.19	0.19	ug/L		09/09/15 08:08	09/10/15 18:02	1
Anthracene	<0.022		0.19	0.022	ug/L		09/09/15 08:08	09/10/15 18:02	1
Atrazine	<0.29		0.29	0.29	ug/L		09/09/15 08:08	09/10/15 18:02	1
Benzo[a]anthracene	<0.019		0.096	0.019	ug/L		09/09/15 08:08	09/10/15 18:02	1
Benzo[a]pyrene	<0.096		0.096	0.096	ug/L		09/09/15 08:08	09/10/15 18:02	1
Benzo[b]fluoranthene	<0.021		0.096	0.021	ug/L		09/09/15 08:08	09/10/15 18:02	1
Benzo[g,h,i]perylene	<0.043		0.096	0.043	ug/L		09/09/15 08:08	09/10/15 18:02	1
Benzo[k]fluoranthene	<0.034		0.096	0.034	ug/L		09/09/15 08:08	09/10/15 18:02	1
Bis(2-ethylhexyl) phthalate	<1.7		1.9	1.7	ug/L		09/09/15 08:08	09/10/15 18:02	1
Chrysene	<0.019		0.19	0.019	ug/L		09/09/15 08:08	09/10/15 18:02	1
Di(2-ethylhexyl)adipate	<0.58		1.4	0.58	ug/L		09/09/15 08:08	09/10/15 18:02	1
Dibenz(a,h)anthracene	<0.060		0.096	0.060	ug/L		09/09/15 08:08	09/10/15 18:02	1
Endrin	<0.096		0.48	0.096	ug/L		09/09/15 08:08	09/10/15 18:02	1

Client Sample ID: Site 5 L

Date Collected: 09/04/15 12:25
Date Received: 09/05/15 11:02

Lab Sample ID: 680-116473-5

Matrix: Water

Method: 525.2 - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	<0.019		0.19	0.019	ug/L		09/09/15 08:08	09/10/15 18:02	1
Fluorene	<0.019		0.19	0.019	ug/L		09/09/15 08:08	09/10/15 18:02	1
gamma-BHC (Lindane)	<0.096		0.19	0.096	ug/L		09/09/15 08:08	09/10/15 18:02	1
Heptachlor	<0.038		0.19	0.038	ug/L		09/09/15 08:08	09/10/15 18:02	1
Heptachlor epoxide	<0.019		0.38	0.019	ug/L		09/09/15 08:08	09/10/15 18:02	1
Hexachlorobenzene	<0.096		0.19	0.096	ug/L		09/09/15 08:08	09/10/15 18:02	1
Hexachlorocyclopentadiene	<0.48		1.9	0.48	ug/L		09/09/15 08:08	09/10/15 18:02	1
Indeno[1,2,3-cd]pyrene	<0.034		0.096	0.034	ug/L		09/09/15 08:08	09/10/15 18:02	1
Methoxychlor	<0.096		0.48	0.096	ug/L		09/09/15 08:08	09/10/15 18:02	1
Naphthalene	<0.019		0.19	0.019	ug/L		09/09/15 08:08	09/10/15 18:02	1
Phenanthrene	<0.019		0.19	0.019	ug/L		09/09/15 08:08	09/10/15 18:02	1
Pyrene	<0.019		0.19	0.019	ug/L		09/09/15 08:08	09/10/15 18:02	1
Simazine	<0.34		0.48	0.34	ug/L		09/09/15 08:08	09/10/15 18:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Nitro-m-xylene	*97*		*70 - 130*	*09/09/15 08:08*	*09/10/15 18:02*	*1*
Acenaphthene-d10 (Surr)	*78*		*70 - 130*	*09/09/15 08:08*	*09/10/15 18:02*	*1*
Chrysene-d12 (Surr)	*97*		*70 - 130*	*09/09/15 08:08*	*09/10/15 18:02*	*1*
Perylene-d12	*88*		*70 - 130*	*09/09/15 08:08*	*09/10/15 18:02*	*1*
Phenanthrene-d10 (Surr)	*83*		*70 - 130*	*09/09/15 08:08*	*09/10/15 18:02*	*1*
Triphenylphosphate	*99*		*70 - 130*	*09/09/15 08:08*	*09/10/15 18:02*	*1*

Client Sample ID: Field Blank Site 5

Date Collected: 09/04/15 12:35
Date Received: 09/05/15 11:02

Lab Sample ID: 680-116473-6

Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.50		0.50	0.50	ug/L			09/10/15 11:26	1
Bromobenzene	<0.091		0.50	0.091	ug/L			09/10/15 11:26	1
Bromoform	<1.0		1.0	1.0	ug/L			09/10/15 11:26	1
Bromomethane	<0.20	*	1.0	0.20	ug/L			09/10/15 11:26	1
Carbon tetrachloride	<0.50		0.50	0.50	ug/L			09/10/15 11:26	1
Chlorobenzene	<0.50		0.50	0.50	ug/L			09/10/15 11:26	1
Chlorodibromomethane	<1.0		1.0	1.0	ug/L			09/10/15 11:26	1
Chloroethane	<0.22		1.0	0.22	ug/L			09/10/15 11:26	1
Chloroform	<1.0		1.0	1.0	ug/L			09/10/15 11:26	1
Chloromethane	<0.15		0.50	0.15	ug/L			09/10/15 11:26	1
2-Chlorotoluene	<0.11		0.50	0.11	ug/L			09/10/15 11:26	1
4-Chlorotoluene	<0.13		0.50	0.13	ug/L			09/10/15 11:26	1
cis-1,2-Dichloroethene	<0.50		0.50	0.50	ug/L			09/10/15 11:26	1
cis-1,3-Dichloropropene	<0.081		0.50	0.081	ug/L			09/10/15 11:26	1
Dibromomethane	<0.16		0.50	0.16	ug/L			09/10/15 11:26	1
1,2-Dichlorobenzene	<0.50		0.50	0.50	ug/L			09/10/15 11:26	1
1,3-Dichlorobenzene	<0.50		0.50	0.50	ug/L			09/10/15 11:26	1
1,4-Dichlorobenzene	<0.50		0.50	0.50	ug/L			09/10/15 11:26	1
Dichlorobromomethane	<1.0		1.0	1.0	ug/L			09/10/15 11:26	1
1,1-Dichloroethane	<0.50		0.50	0.50	ug/L			09/10/15 11:26	1
1,2-Dichloroethane	<0.50		0.50	0.50	ug/L			09/10/15 11:26	1
1,1-Dichloroethene	<0.50		0.50	0.50	ug/L			09/10/15 11:26	1

Client Sample ID: Field Blank Site 5

Date Collected: 09/04/15 12:35
Date Received: 09/05/15 11:02

Lab Sample ID: 680-116473-6

Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	<0.50		0.50	0.50	ug/L			09/10/15 11:26	1
1,3-Dichloropropane	<0.10		0.50	0.10	ug/L			09/10/15 11:26	1
2,2-Dichloropropane	<0.20		0.50	0.20	ug/L			09/10/15 11:26	1
1,1-Dichloropropene	<0.095		0.50	0.095	ug/L			09/10/15 11:26	1
Ethylbenzene	<0.50		0.50	0.50	ug/L			09/10/15 11:26	1
Methylene Chloride	<0.50		0.50	0.50	ug/L			09/10/15 11:26	1
Methyl tert-butyl ether	<0.50		0.50	0.50	ug/L			09/10/15 11:26	1
m-Xylene & p-Xylene	<0.50		0.50	0.50	ug/L			09/10/15 11:26	1
o-Xylene	<0.50		0.50	0.50	ug/L			09/10/15 11:26	1
Styrene	<0.50		0.50	0.50	ug/L			09/10/15 11:26	1
1,1,1,2-Tetrachloroethane	<0.24		0.50	0.24	ug/L			09/10/15 11:26	1
1,1,2,2-Tetrachloroethane	<0.13		0.50	0.13	ug/L			09/10/15 11:26	1
Tetrachloroethene	<0.50		0.50	0.50	ug/L			09/10/15 11:26	1
Toluene	**0.74**		0.50	0.50	ug/L			09/10/15 11:26	1
trans-1,2-Dichloroethene	<0.50		0.50	0.50	ug/L			09/10/15 11:26	1
trans-1,3-Dichloropropene	<0.11		0.50	0.11	ug/L			09/10/15 11:26	1
1,2,4-Trichlorobenzene	<0.50		0.50	0.50	ug/L			09/10/15 11:26	1
1,1,1-Trichloroethane	<0.50		0.50	0.50	ug/L			09/10/15 11:26	1
1,1,2-Trichloroethane	<0.50		0.50	0.50	ug/L			09/10/15 11:26	1
Trichloroethene	<0.50		0.50	0.50	ug/L			09/10/15 11:26	1
1,2,3-Trichloropropane	<0.17		0.50	0.17	ug/L			09/10/15 11:26	1
Vinyl chloride	<0.50		0.50	0.50	ug/L			09/10/15 11:26	1
Xylenes, Total	<0.50		0.50	0.50	ug/L			09/10/15 11:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*70 - 130*		*09/10/15 11:26*	*1*
1,2-Dichlorobenzene-d4 (Surr)	*96*		*70 - 130*		*09/10/15 11:26*	*1*

Method: 525.2 - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	<0.19		0.19	0.19	ug/L		09/09/15 08:08	09/10/15 18:30	1
Acenaphthene	<0.038		0.19	0.038	ug/L		09/09/15 08:08	09/10/15 18:30	1
Acenaphthylene	<0.019		0.19	0.019	ug/L		09/09/15 08:08	09/10/15 18:30	1
Alachlor	<0.19		0.19	0.19	ug/L		09/09/15 08:08	09/10/15 18:30	1
Anthracene	<0.022		0.19	0.022	ug/L		09/09/15 08:08	09/10/15 18:30	1
Atrazine	<0.29		0.29	0.29	ug/L		09/09/15 08:08	09/10/15 18:30	1
Benzo[a]anthracene	<0.019		0.096	0.019	ug/L		09/09/15 08:08	09/10/15 18:30	1
Benzo[a]pyrene	<0.096		0.096	0.096	ug/L		09/09/15 08:08	09/10/15 18:30	1
Benzo[b]fluoranthene	<0.021		0.096	0.021	ug/L		09/09/15 08:08	09/10/15 18:30	1
Benzo[g,h,i]perylene	<0.043		0.096	0.043	ug/L		09/09/15 08:08	09/10/15 18:30	1
Benzo[k]fluoranthene	<0.034		0.096	0.034	ug/L		09/09/15 08:08	09/10/15 18:30	1
Bis(2-ethylhexyl) phthalate	<1.7		1.9	1.7	ug/L		09/09/15 08:08	09/10/15 18:30	1
Chrysene	<0.019		0.19	0.019	ug/L		09/09/15 08:08	09/10/15 18:30	1
Di(2-ethylhexyl)adipate	<0.58		1.4	0.58	ug/L		09/09/15 08:08	09/10/15 18:30	1
Dibenz(a,h)anthracene	<0.059		0.096	0.059	ug/L		09/09/15 08:08	09/10/15 18:30	1
Endrin	<0.096		0.48	0.096	ug/L		09/09/15 08:08	09/10/15 18:30	1
Fluoranthene	<0.019		0.19	0.019	ug/L		09/09/15 08:08	09/10/15 18:30	1
Fluorene	<0.019		0.19	0.019	ug/L		09/09/15 08:08	09/10/15 18:30	1
gamma-BHC (Lindane)	<0.096		0.19	0.096	ug/L		09/09/15 08:08	09/10/15 18:30	1
Heptachlor	**0.32**		0.19	0.038	ug/L		09/09/15 08:08	09/10/15 18:30	1

Client Sample ID: Field Blank Site 5

Lab Sample ID: 680-116473-6

Date Collected: 09/04/15 12:35
Matrix: Water
Date Received: 09/05/15 11:02

Method: 525.2 - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Heptachlor epoxide	<0.019		0.38	0.019	ug/L		09/09/15 08:08	09/10/15 18:30	1
Hexachlorobenzene	<0.096		0.19	0.096	ug/L		09/09/15 08:08	09/10/15 18:30	1
Hexachlorocyclopentadiene	<0.48		1.9	0.48	ug/L		09/09/15 08:08	09/10/15 18:30	1
Indeno[1,2,3-cd]pyrene	<0.034		0.096	0.034	ug/L		09/09/15 08:08	09/10/15 18:30	1
Methoxychlor	<0.096		0.48	0.096	ug/L		09/09/15 08:08	09/10/15 18:30	1
Naphthalene	**0.074**	**J**	0.19	0.019	ug/L		09/09/15 08:08	09/10/15 18:30	1
Phenanthrene	<0.019		0.19	0.019	ug/L		09/09/15 08:08	09/10/15 18:30	1
Pyrene	<0.019		0.19	0.019	ug/L		09/09/15 08:08	09/10/15 18:30	1
Simazine	<0.34		0.48	0.34	ug/L		09/09/15 08:08	09/10/15 18:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Nitro-m-xylene	*96*		*70 - 130*	*09/09/15 08:08*	*09/10/15 18:30*	*1*
Acenaphthene-d10 (Surr)	*72*		*70 - 130*	*09/09/15 08:08*	*09/10/15 18:30*	*1*
Chrysene-d12 (Surr)	*93*		*70 - 130*	*09/09/15 08:08*	*09/10/15 18:30*	*1*
Perylene-d12	*89*		*70 - 130*	*09/09/15 08:08*	*09/10/15 18:30*	*1*
Phenanthrene-d10 (Surr)	*77*		*70 - 130*	*09/09/15 08:08*	*09/10/15 18:30*	*1*
Triphenylphosphate	*100*		*70 - 130*	*09/09/15 08:08*	*09/10/15 18:30*	*1*

Client Sample ID: Site 1 E

Lab Sample ID: 680-116473-7

Date Collected: 09/04/15 13:15
Matrix: Water
Date Received: 09/05/15 11:02

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.50		0.50	0.50	ug/L			09/10/15 13:54	1
Bromobenzene	<0.091		0.50	0.091	ug/L			09/10/15 13:54	1
Bromoform	<1.0		1.0	1.0	ug/L			09/10/15 13:54	1
Bromomethane	<0.20	*	1.0	0.20	ug/L			09/10/15 13:54	1
Carbon tetrachloride	<0.50		0.50	0.50	ug/L			09/10/15 13:54	1
Chlorobenzene	<0.50		0.50	0.50	ug/L			09/10/15 13:54	1
Chlorodibromomethane	**4.7**		1.0	1.0	ug/L			09/10/15 13:54	1
Chloroethane	<0.22		1.0	0.22	ug/L			09/10/15 13:54	1
Chloroform	**11**		1.0	1.0	ug/L			09/10/15 13:54	1
Chloromethane	<0.15		0.50	0.15	ug/L			09/10/15 13:54	1
2-Chlorotoluene	<0.11		0.50	0.11	ug/L			09/10/15 13:54	1
4-Chlorotoluene	<0.13		0.50	0.13	ug/L			09/10/15 13:54	1
cis-1,2-Dichloroethene	<0.50		0.50	0.50	ug/L			09/10/15 13:54	1
cis-1,3-Dichloropropene	<0.081		0.50	0.081	ug/L			09/10/15 13:54	1
Dibromomethane	<0.16		0.50	0.16	ug/L			09/10/15 13:54	1
1,2-Dichlorobenzene	<0.50		0.50	0.50	ug/L			09/10/15 13:54	1
1,3-Dichlorobenzene	<0.50		0.50	0.50	ug/L			09/10/15 13:54	1
1,4-Dichlorobenzene	<0.50		0.50	0.50	ug/L			09/10/15 13:54	1
Dichlorobromomethane	**8.5**		1.0	1.0	ug/L			09/10/15 13:54	1
1,1-Dichloroethane	<0.50		0.50	0.50	ug/L			09/10/15 13:54	1
1,2-Dichloroethane	<0.50		0.50	0.50	ug/L			09/10/15 13:54	1
1,1-Dichloroethene	<0.50		0.50	0.50	ug/L			09/10/15 13:54	1
1,2-Dichloropropane	<0.50		0.50	0.50	ug/L			09/10/15 13:54	1
1,3-Dichloropropane	<0.10		0.50	0.10	ug/L			09/10/15 13:54	1
2,2-Dichloropropane	<0.20		0.50	0.20	ug/L			09/10/15 13:54	1
1,1-Dichloropropene	<0.095		0.50	0.095	ug/L			09/10/15 13:54	1

Client Sample ID: Site 1 E
Date Collected: 09/04/15 13:15
Date Received: 09/05/15 11:02

Lab Sample ID: 680-116473-7
Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.50		0.50	0.50	ug/L			09/10/15 13:54	1
Methylene Chloride	<0.50		0.50	0.50	ug/L			09/10/15 13:54	1
Methyl tert-butyl ether	<0.50		0.50	0.50	ug/L			09/10/15 13:54	1
m-Xylene & p-Xylene	<0.50		0.50	0.50	ug/L			09/10/15 13:54	1
o-Xylene	<0.50		0.50	0.50	ug/L			09/10/15 13:54	1
Styrene	<0.50		0.50	0.50	ug/L			09/10/15 13:54	1
1,1,1,2-Tetrachloroethane	<0.24		0.50	0.24	ug/L			09/10/15 13:54	1
1,1,2,2-Tetrachloroethane	<0.13		0.50	0.13	ug/L			09/10/15 13:54	1
Tetrachloroethene	<0.50		0.50	0.50	ug/L			09/10/15 13:54	1
Toluene	<0.50		0.50	0.50	ug/L			09/10/15 13:54	1
trans-1,2-Dichloroethene	<0.50		0.50	0.50	ug/L			09/10/15 13:54	1
trans-1,3-Dichloropropene	<0.11		0.50	0.11	ug/L			09/10/15 13:54	1
1,2,4-Trichlorobenzene	<0.50		0.50	0.50	ug/L			09/10/15 13:54	1
1,1,1-Trichloroethane	<0.50		0.50	0.50	ug/L			09/10/15 13:54	1
1,1,2-Trichloroethane	<0.50		0.50	0.50	ug/L			09/10/15 13:54	1
Trichloroethene	<0.50		0.50	0.50	ug/L			09/10/15 13:54	1
1,2,3-Trichloropropane	<0.17		0.50	0.17	ug/L			09/10/15 13:54	1
Vinyl chloride	<0.50		0.50	0.50	ug/L			09/10/15 13:54	1
Xylenes, Total	<0.50		0.50	0.50	ug/L			09/10/15 13:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*70 - 130*		*09/10/15 13:54*	*1*
1,2-Dichlorobenzene-d4 (Surr)	*95*		*70 - 130*		*09/10/15 13:54*	*1*

Method: 525.2 - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	<0.19		0.19	0.19	ug/L		09/14/15 07:31	09/16/15 13:34	1
Acenaphthene	<0.039		0.19	0.039	ug/L		09/14/15 07:31	09/16/15 13:34	1
Acenaphthylene	<0.019		0.19	0.019	ug/L		09/14/15 07:31	09/16/15 13:34	1
Alachlor	<0.19		0.19	0.19	ug/L		09/14/15 07:31	09/16/15 13:34	1
Anthracene	<0.022		0.19	0.022	ug/L		09/14/15 07:31	09/16/15 13:34	1
Atrazine	<0.29		0.29	0.29	ug/L		09/14/15 07:31	09/16/15 13:34	1
Benzo[a]anthracene	<0.019		0.097	0.019	ug/L		09/14/15 07:31	09/16/15 13:34	1
Benzo[a]pyrene	<0.097		0.097	0.097	ug/L		09/14/15 07:31	09/16/15 13:34	1
Benzo[b]fluoranthene	<0.021		0.097	0.021	ug/L		09/14/15 07:31	09/16/15 13:34	1
Benzo[g,h,i]perylene	<0.044		0.097	0.044	ug/L		09/14/15 07:31	09/16/15 13:34	1
Benzo[k]fluoranthene	<0.034		0.097	0.034	ug/L		09/14/15 07:31	09/16/15 13:34	1
Bis(2-ethylhexyl) phthalate	<1.7		1.9	1.7	ug/L		09/14/15 07:31	09/16/15 13:34	1
Chrysene	<0.019		0.19	0.019	ug/L		09/14/15 07:31	09/16/15 13:34	1
Di(2-ethylhexyl)adipate	<0.58		1.5	0.58	ug/L		09/14/15 07:31	09/16/15 13:34	1
Dibenz(a,h)anthracene	<0.060		0.097	0.060	ug/L		09/14/15 07:31	09/16/15 13:34	1
Endrin	<0.097		0.48	0.097	ug/L		09/14/15 07:31	09/16/15 13:34	1
Fluoranthene	**0.020**	**J**	0.19	0.019	ug/L		09/14/15 07:31	09/16/15 13:34	1
Fluorene	<0.019		0.19	0.019	ug/L		09/14/15 07:31	09/16/15 13:34	1
gamma-BHC (Lindane)	<0.097		0.19	0.097	ug/L		09/14/15 07:31	09/16/15 13:34	1
Heptachlor	<0.039		0.19	0.039	ug/L		09/14/15 07:31	09/16/15 13:34	1
Heptachlor epoxide	<0.019		0.39	0.019	ug/L		09/14/15 07:31	09/16/15 13:34	1
Hexachlorobenzene	<0.097		0.19	0.097	ug/L		09/14/15 07:31	09/16/15 13:34	1
Hexachlorocyclopentadiene	<0.48		1.9	0.48	ug/L		09/14/15 07:31	09/16/15 13:34	1
Indeno[1,2,3-cd]pyrene	<0.034		0.097	0.034	ug/L		09/14/15 07:31	09/16/15 13:34	1

Client Sample ID: Site 1 E

Date Collected: 09/04/15 13:15
Date Received: 09/05/15 11:02

Lab Sample ID: 680-116473-7
Matrix: Water

Method: 525.2 - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methoxychlor	<0.097		0.48	0.097	ug/L		09/14/15 07:31	09/16/15 13:34	1
Naphthalene	<0.019		0.19	0.019	ug/L		09/14/15 07:31	09/16/15 13:34	1
Phenanthrene	**0.028**	**J**	0.19	0.019	ug/L		09/14/15 07:31	09/16/15 13:34	1
Pyrene	<0.019		0.19	0.019	ug/L		09/14/15 07:31	09/16/15 13:34	1
Simazine	<0.34		0.48	0.34	ug/L		09/14/15 07:31	09/16/15 13:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Nitro-m-xylene	*96*		*70 - 130*	*09/14/15 07:31*	*09/16/15 13:34*	*1*
Acenaphthene-d10 (Surr)	*81*		*70 - 130*	*09/14/15 07:31*	*09/16/15 13:34*	*1*
Chrysene-d12 (Surr)	*95*		*70 - 130*	*09/14/15 07:31*	*09/16/15 13:34*	*1*
Perylene-d12	*95*		*70 - 130*	*09/14/15 07:31*	*09/16/15 13:34*	*1*
Phenanthrene-d10 (Surr)	*85*		*70 - 130*	*09/14/15 07:31*	*09/16/15 13:34*	*1*
Triphenylphosphate	*113*		*70 - 130*	*09/14/15 07:31*	*09/16/15 13:34*	*1*

Client Sample ID: Site 1 L

Date Collected: 09/04/15 13:25
Date Received: 09/05/15 11:02

Lab Sample ID: 680-116473-8
Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.50		0.50	0.50	ug/L			09/10/15 14:15	1
Bromobenzene	<0.091		0.50	0.091	ug/L			09/10/15 14:15	1
Bromoform	<1.0		1.0	1.0	ug/L			09/10/15 14:15	1
Bromomethane	<0.20	*	1.0	0.20	ug/L			09/10/15 14:15	1
Carbon tetrachloride	<0.50		0.50	0.50	ug/L			09/10/15 14:15	1
Chlorobenzene	<0.50		0.50	0.50	ug/L			09/10/15 14:15	1
Chlorodibromomethane	**4.5**		1.0	1.0	ug/L			09/10/15 14:15	1
Chloroethane	<0.22		1.0	0.22	ug/L			09/10/15 14:15	1
Chloroform	**10**		1.0	1.0	ug/L			09/10/15 14:15	1
Chloromethane	<0.15		0.50	0.15	ug/L			09/10/15 14:15	1
2-Chlorotoluene	<0.11		0.50	0.11	ug/L			09/10/15 14:15	1
4-Chlorotoluene	<0.13		0.50	0.13	ug/L			09/10/15 14:15	1
cis-1,2-Dichloroethene	<0.50		0.50	0.50	ug/L			09/10/15 14:15	1
cis-1,3-Dichloropropene	<0.081		0.50	0.081	ug/L			09/10/15 14:15	1
Dibromomethane	<0.16		0.50	0.16	ug/L			09/10/15 14:15	1
1,2-Dichlorobenzene	<0.50		0.50	0.50	ug/L			09/10/15 14:15	1
1,3-Dichlorobenzene	<0.50		0.50	0.50	ug/L			09/10/15 14:15	1
1,4-Dichlorobenzene	<0.50		0.50	0.50	ug/L			09/10/15 14:15	1
Dichlorobromomethane	**8.1**		1.0	1.0	ug/L			09/10/15 14:15	1
1,1-Dichloroethane	<0.50		0.50	0.50	ug/L			09/10/15 14:15	1
1,2-Dichloroethane	<0.50		0.50	0.50	ug/L			09/10/15 14:15	1
1,1-Dichloroethene	<0.50		0.50	0.50	ug/L			09/10/15 14:15	1
1,2-Dichloropropane	<0.50		0.50	0.50	ug/L			09/10/15 14:15	1
1,3-Dichloropropane	<0.10		0.50	0.10	ug/L			09/10/15 14:15	1
2,2-Dichloropropane	<0.20		0.50	0.20	ug/L			09/10/15 14:15	1
1,1-Dichloropropene	<0.095		0.50	0.095	ug/L			09/10/15 14:15	1
Ethylbenzene	<0.50		0.50	0.50	ug/L			09/10/15 14:15	1
Methylene Chloride	<0.50		0.50	0.50	ug/L			09/10/15 14:15	1
Methyl tert-butyl ether	<0.50		0.50	0.50	ug/L			09/10/15 14:15	1
m-Xylene & p-Xylene	<0.50		0.50	0.50	ug/L			09/10/15 14:15	1

Client Sample ID: Site 1 L

Date Collected: 09/04/15 13:25
Date Received: 09/05/15 11:02

Lab Sample ID: 680-116473-8

Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.50		0.50	0.50	ug/L			09/10/15 14:15	1
Styrene	<0.50		0.50	0.50	ug/L			09/10/15 14:15	1
1,1,1,2-Tetrachloroethane	<0.24		0.50	0.24	ug/L			09/10/15 14:15	1
1,1,2,2-Tetrachloroethane	<0.13		0.50	0.13	ug/L			09/10/15 14:15	1
Tetrachloroethene	<0.50		0.50	0.50	ug/L			09/10/15 14:15	1
Toluene	<0.50		0.50	0.50	ug/L			09/10/15 14:15	1
trans-1,2-Dichloroethene	<0.50		0.50	0.50	ug/L			09/10/15 14:15	1
trans-1,3-Dichloropropene	<0.11		0.50	0.11	ug/L			09/10/15 14:15	1
1,2,4-Trichlorobenzene	<0.50		0.50	0.50	ug/L			09/10/15 14:15	1
1,1,1-Trichloroethane	<0.50		0.50	0.50	ug/L			09/10/15 14:15	1
1,1,2-Trichloroethane	<0.50		0.50	0.50	ug/L			09/10/15 14:15	1
Trichloroethene	<0.50		0.50	0.50	ug/L			09/10/15 14:15	1
1,2,3-Trichloropropane	<0.17		0.50	0.17	ug/L			09/10/15 14:15	1
Vinyl chloride	<0.50		0.50	0.50	ug/L			09/10/15 14:15	1
Xylenes, Total	<0.50		0.50	0.50	ug/L			09/10/15 14:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*70 - 130*		*09/10/15 14:15*	*1*
1,2-Dichlorobenzene-d4 (Surr)	*96*		*70 - 130*		*09/10/15 14:15*	*1*

Method: 525.2 - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	<0.19		0.19	0.19	ug/L		09/09/15 08:08	09/10/15 19:26	1
Acenaphthene	<0.039		0.19	0.039	ug/L		09/09/15 08:08	09/10/15 19:26	1
Acenaphthylene	<0.019		0.19	0.019	ug/L		09/09/15 08:08	09/10/15 19:26	1
Alachlor	<0.19		0.19	0.19	ug/L		09/09/15 08:08	09/10/15 19:26	1
Anthracene	<0.022		0.19	0.022	ug/L		09/09/15 08:08	09/10/15 19:26	1
Atrazine	<0.29		0.29	0.29	ug/L		09/09/15 08:08	09/10/15 19:26	1
Benzo[a]anthracene	<0.019		0.097	0.019	ug/L		09/09/15 08:08	09/10/15 19:26	1
Benzo[a]pyrene	<0.097		0.097	0.097	ug/L		09/09/15 08:08	09/10/15 19:26	1
Benzo[b]fluoranthene	<0.021		0.097	0.021	ug/L		09/09/15 08:08	09/10/15 19:26	1
Benzo[g,h,i]perylene	<0.044		0.097	0.044	ug/L		09/09/15 08:08	09/10/15 19:26	1
Benzo[k]fluoranthene	<0.034		0.097	0.034	ug/L		09/09/15 08:08	09/10/15 19:26	1
Bis(2-ethylhexyl) phthalate	<1.7		1.9	1.7	ug/L		09/09/15 08:08	09/10/15 19:26	1
Chrysene	<0.019		0.19	0.019	ug/L		09/09/15 08:08	09/10/15 19:26	1
Di(2-ethylhexyl)adipate	<0.58		1.5	0.58	ug/L		09/09/15 08:08	09/10/15 19:26	1
Dibenz(a,h)anthracene	<0.060		0.097	0.060	ug/L		09/09/15 08:08	09/10/15 19:26	1
Endrin	<0.097		0.49	0.097	ug/L		09/09/15 08:08	09/10/15 19:26	1
Fluoranthene	**0.022**	**J**	0.19	0.019	ug/L		09/09/15 08:08	09/10/15 19:26	1
Fluorene	<0.019		0.19	0.019	ug/L		09/09/15 08:08	09/10/15 19:26	1
gamma-BHC (Lindane)	<0.097		0.19	0.097	ug/L		09/09/15 08:08	09/10/15 19:26	1
Heptachlor	<0.039		0.19	0.039	ug/L		09/09/15 08:08	09/10/15 19:26	1
Heptachlor epoxide	<0.019		0.39	0.019	ug/L		09/09/15 08:08	09/10/15 19:26	1
Hexachlorobenzene	<0.097		0.19	0.097	ug/L		09/09/15 08:08	09/10/15 19:26	1
Hexachlorocyclopentadiene	<0.49		1.9	0.49	ug/L		09/09/15 08:08	09/10/15 19:26	1
Indeno[1,2,3-cd]pyrene	<0.034		0.097	0.034	ug/L		09/09/15 08:08	09/10/15 19:26	1
Methoxychlor	<0.097		0.49	0.097	ug/L		09/09/15 08:08	09/10/15 19:26	1
Naphthalene	<0.019		0.19	0.019	ug/L		09/09/15 08:08	09/10/15 19:26	1
Phenanthrene	**0.042**	**J**	0.19	0.019	ug/L		09/09/15 08:08	09/10/15 19:26	1
Pyrene	<0.019		0.19	0.019	ug/L		09/09/15 08:08	09/10/15 19:26	1

Client Sample ID: Site 1 L

Date Collected: 09/04/15 13:25
Date Received: 09/05/15 11:02

Lab Sample ID: 680-116473-8
Matrix: Water

Method: 525.2 - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Simazine	<0.34		0.49	0.34	ug/L		09/09/15 08:08	09/10/15 19:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Nitro-m-xylene	*102*		*70 - 130*	*09/09/15 08:08*	*09/10/15 19:26*	*1*
Acenaphthene-d10 (Surr)	*72*		*70 - 130*	*09/09/15 08:08*	*09/10/15 19:26*	*1*
Chrysene-d12 (Surr)	*91*		*70 - 130*	*09/09/15 08:08*	*09/10/15 19:26*	*1*
Perylene-d12	*77*		*70 - 130*	*09/09/15 08:08*	*09/10/15 19:26*	*1*
Phenanthrene-d10 (Surr)	*78*		*70 - 130*	*09/09/15 08:08*	*09/10/15 19:26*	*1*
Triphenylphosphate	*101*		*70 - 130*	*09/09/15 08:08*	*09/10/15 19:26*	*1*

Client Sample ID: Site 3 E

Date Collected: 09/04/15 13:55
Date Received: 09/05/15 11:02

Lab Sample ID: 680-116473-9
Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.50		0.50	0.50	ug/L			09/10/15 14:36	1
Bromobenzene	<0.091		0.50	0.091	ug/L			09/10/15 14:36	1
Bromoform	<1.0		1.0	1.0	ug/L			09/10/15 14:36	1
Bromomethane	<0.20	*	1.0	0.20	ug/L			09/10/15 14:36	1
Carbon tetrachloride	<0.50		0.50	0.50	ug/L			09/10/15 14:36	1
Chlorobenzene	<0.50		0.50	0.50	ug/L			09/10/15 14:36	1
Chlorodibromomethane	**5.2**		1.0	1.0	ug/L			09/10/15 14:36	1
Chloroethane	<0.22		1.0	0.22	ug/L			09/10/15 14:36	1
Chloroform	**13**		1.0	1.0	ug/L			09/10/15 14:36	1
Chloromethane	<0.15		0.50	0.15	ug/L			09/10/15 14:36	1
2-Chlorotoluene	<0.11		0.50	0.11	ug/L			09/10/15 14:36	1
4-Chlorotoluene	<0.13		0.50	0.13	ug/L			09/10/15 14:36	1
cis-1,2-Dichloroethene	<0.50		0.50	0.50	ug/L			09/10/15 14:36	1
cis-1,3-Dichloropropene	<0.081		0.50	0.081	ug/L			09/10/15 14:36	1
Dibromomethane	<0.16		0.50	0.16	ug/L			09/10/15 14:36	1
1,2-Dichlorobenzene	<0.50		0.50	0.50	ug/L			09/10/15 14:36	1
1,3-Dichlorobenzene	<0.50		0.50	0.50	ug/L			09/10/15 14:36	1
1,4-Dichlorobenzene	<0.50		0.50	0.50	ug/L			09/10/15 14:36	1
Dichlorobromomethane	**9.6**		1.0	1.0	ug/L			09/10/15 14:36	1
1,1-Dichloroethane	<0.50		0.50	0.50	ug/L			09/10/15 14:36	1
1,2-Dichloroethane	<0.50		0.50	0.50	ug/L			09/10/15 14:36	1
1,1-Dichloroethene	<0.50		0.50	0.50	ug/L			09/10/15 14:36	1
1,2-Dichloropropane	<0.50		0.50	0.50	ug/L			09/10/15 14:36	1
1,3-Dichloropropane	<0.10		0.50	0.10	ug/L			09/10/15 14:36	1
2,2-Dichloropropane	<0.20		0.50	0.20	ug/L			09/10/15 14:36	1
1,1-Dichloropropene	<0.095		0.50	0.095	ug/L			09/10/15 14:36	1
Ethylbenzene	<0.50		0.50	0.50	ug/L			09/10/15 14:36	1
Methylene Chloride	<0.50		0.50	0.50	ug/L			09/10/15 14:36	1
Methyl tert-butyl ether	<0.50		0.50	0.50	ug/L			09/10/15 14:36	1
m-Xylene & p-Xylene	<0.50		0.50	0.50	ug/L			09/10/15 14:36	1
o-Xylene	<0.50		0.50	0.50	ug/L			09/10/15 14:36	1
Styrene	<0.50		0.50	0.50	ug/L			09/10/15 14:36	1
1,1,1,2-Tetrachloroethane	<0.24		0.50	0.24	ug/L			09/10/15 14:36	1
1,1,2,2-Tetrachloroethane	<0.13		0.50	0.13	ug/L			09/10/15 14:36	1

Client Sample ID: Site 3 E
Date Collected: 09/04/15 13:55
Date Received: 09/05/15 11:02

Lab Sample ID: 680-116473-9
Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	<0.50		0.50	0.50	ug/L			09/10/15 14:36	1
Toluene	<0.50		0.50	0.50	ug/L			09/10/15 14:36	1
trans-1,2-Dichloroethene	<0.50		0.50	0.50	ug/L			09/10/15 14:36	1
trans-1,3-Dichloropropene	<0.11		0.50	0.11	ug/L			09/10/15 14:36	1
1,2,4-Trichlorobenzene	<0.50		0.50	0.50	ug/L			09/10/15 14:36	1
1,1,1-Trichloroethane	<0.50		0.50	0.50	ug/L			09/10/15 14:36	1
1,1,2-Trichloroethane	<0.50		0.50	0.50	ug/L			09/10/15 14:36	1
Trichloroethene	<0.50		0.50	0.50	ug/L			09/10/15 14:36	1
1,2,3-Trichloropropane	<0.17		0.50	0.17	ug/L			09/10/15 14:36	1
Vinyl chloride	<0.50		0.50	0.50	ug/L			09/10/15 14:36	1
Xylenes, Total	<0.50		0.50	0.50	ug/L			09/10/15 14:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*96*		*70 - 130*		*09/10/15 14:36*	*1*
1,2-Dichlorobenzene-d4 (Surr)	*95*		*70 - 130*		*09/10/15 14:36*	*1*

Method: 525.2 - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	<0.19		0.19	0.19	ug/L		09/09/15 08:08	09/10/15 21:17	1
Acenaphthene	<0.039		0.19	0.039	ug/L		09/09/15 08:08	09/10/15 21:17	1
Acenaphthylene	<0.019		0.19	0.019	ug/L		09/09/15 08:08	09/10/15 21:17	1
Alachlor	<0.19		0.19	0.19	ug/L		09/09/15 08:08	09/10/15 21:17	1
Anthracene	<0.022		0.19	0.022	ug/L		09/09/15 08:08	09/10/15 21:17	1
Atrazine	<0.29		0.29	0.29	ug/L		09/09/15 08:08	09/10/15 21:17	1
Benzo[a]anthracene	<0.019		0.097	0.019	ug/L		09/09/15 08:08	09/10/15 21:17	1
Benzo[a]pyrene	<0.097		0.097	0.097	ug/L		09/09/15 08:08	09/10/15 21:17	1
Benzo[b]fluoranthene	<0.021		0.097	0.021	ug/L		09/09/15 08:08	09/10/15 21:17	1
Benzo[g,h,i]perylene	<0.044		0.097	0.044	ug/L		09/09/15 08:08	09/10/15 21:17	1
Benzo[k]fluoranthene	<0.034		0.097	0.034	ug/L		09/09/15 08:08	09/10/15 21:17	1
Bis(2-ethylhexyl) phthalate	<1.8		1.9	1.8	ug/L		09/09/15 08:08	09/10/15 21:17	1
Chrysene	<0.019		0.19	0.019	ug/L		09/09/15 08:08	09/10/15 21:17	1
Di(2-ethylhexyl)adipate	<0.58		1.5	0.58	ug/L		09/09/15 08:08	09/10/15 21:17	1
Dibenz(a,h)anthracene	<0.060		0.097	0.060	ug/L		09/09/15 08:08	09/10/15 21:17	1
Endrin	<0.097		0.49	0.097	ug/L		09/09/15 08:08	09/10/15 21:17	1
Fluoranthene	<0.019		0.19	0.019	ug/L		09/09/15 08:08	09/10/15 21:17	1
Fluorene	<0.019		0.19	0.019	ug/L		09/09/15 08:08	09/10/15 21:17	1
gamma-BHC (Lindane)	<0.097		0.19	0.097	ug/L		09/09/15 08:08	09/10/15 21:17	1
Heptachlor	<0.039		0.19	0.039	ug/L		09/09/15 08:08	09/10/15 21:17	1
Heptachlor epoxide	<0.019		0.39	0.019	ug/L		09/09/15 08:08	09/10/15 21:17	1
Hexachlorobenzene	<0.097		0.19	0.097	ug/L		09/09/15 08:08	09/10/15 21:17	1
Hexachlorocyclopentadiene	<0.49	*	1.9	0.49	ug/L		09/09/15 08:08	09/10/15 21:17	1
Indeno[1,2,3-cd]pyrene	<0.034		0.097	0.034	ug/L		09/09/15 08:08	09/10/15 21:17	1
Methoxychlor	<0.097		0.49	0.097	ug/L		09/09/15 08:08	09/10/15 21:17	1
Naphthalene	<0.019		0.19	0.019	ug/L		09/09/15 08:08	09/10/15 21:17	1
Phenanthrene	<0.019		0.19	0.019	ug/L		09/09/15 08:08	09/10/15 21:17	1
Pyrene	<0.019		0.19	0.019	ug/L		09/09/15 08:08	09/10/15 21:17	1
Simazine	<0.34		0.49	0.34	ug/L		09/09/15 08:08	09/10/15 21:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Nitro-m-xylene	*98*		*70 - 130*	*09/09/15 08:08*	*09/10/15 21:17*	*1*

Client Sample ID: Site 3 E

Date Collected: 09/04/15 13:55
Date Received: 09/05/15 11:02

Lab Sample ID: 680-116473-9

Matrix: Water

Method: 525.2 - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Acenaphthene-d10 (Surr)	*75*		*70 - 130*	*09/09/15 08:08*	*09/10/15 21:17*	*1*
Chrysene-d12 (Surr)	*90*		*70 - 130*	*09/09/15 08:08*	*09/10/15 21:17*	*1*
Perylene-d12	*82*		*70 - 130*	*09/09/15 08:08*	*09/10/15 21:17*	*1*
Phenanthrene-d10 (Surr)	*78*		*70 - 130*	*09/09/15 08:08*	*09/10/15 21:17*	*1*
Triphenylphosphate	*101*		*70 - 130*	*09/09/15 08:08*	*09/10/15 21:17*	*1*

Client Sample ID: Site 3 L

Date Collected: 09/04/15 14:05
Date Received: 09/05/15 11:02

Lab Sample ID: 680-116473-10

Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.50		0.50	0.50	ug/L			09/10/15 14:57	1
Bromobenzene	<0.091		0.50	0.091	ug/L			09/10/15 14:57	1
Bromoform	<1.0		1.0	1.0	ug/L			09/10/15 14:57	1
Bromomethane	<0.20	*	1.0	0.20	ug/L			09/10/15 14:57	1
Carbon tetrachloride	<0.50		0.50	0.50	ug/L			09/10/15 14:57	1
Chlorobenzene	<0.50		0.50	0.50	ug/L			09/10/15 14:57	1
Chlorodibromomethane	**4.0**		1.0	1.0	ug/L			09/10/15 14:57	1
Chloroethane	<0.22		1.0	0.22	ug/L			09/10/15 14:57	1
Chloroform	**10**		1.0	1.0	ug/L			09/10/15 14:57	1
Chloromethane	<0.15		0.50	0.15	ug/L			09/10/15 14:57	1
2-Chlorotoluene	<0.11		0.50	0.11	ug/L			09/10/15 14:57	1
4-Chlorotoluene	<0.13		0.50	0.13	ug/L			09/10/15 14:57	1
cis-1,2-Dichloroethene	<0.50		0.50	0.50	ug/L			09/10/15 14:57	1
cis-1,3-Dichloropropene	<0.081		0.50	0.081	ug/L			09/10/15 14:57	1
Dibromomethane	<0.16		0.50	0.16	ug/L			09/10/15 14:57	1
1,2-Dichlorobenzene	<0.50		0.50	0.50	ug/L			09/10/15 14:57	1
1,3-Dichlorobenzene	<0.50		0.50	0.50	ug/L			09/10/15 14:57	1
1,4-Dichlorobenzene	<0.50		0.50	0.50	ug/L			09/10/15 14:57	1
Dichlorobromomethane	**7.4**		1.0	1.0	ug/L			09/10/15 14:57	1
1,1-Dichloroethane	<0.50		0.50	0.50	ug/L			09/10/15 14:57	1
1,2-Dichloroethane	<0.50		0.50	0.50	ug/L			09/10/15 14:57	1
1,1-Dichloroethene	<0.50		0.50	0.50	ug/L			09/10/15 14:57	1
1,2-Dichloropropane	<0.50		0.50	0.50	ug/L			09/10/15 14:57	1
1,3-Dichloropropane	<0.10		0.50	0.10	ug/L			09/10/15 14:57	1
2,2-Dichloropropane	<0.20		0.50	0.20	ug/L			09/10/15 14:57	1
1,1-Dichloropropene	<0.095		0.50	0.095	ug/L			09/10/15 14:57	1
Ethylbenzene	<0.50		0.50	0.50	ug/L			09/10/15 14:57	1
Methylene Chloride	<0.50		0.50	0.50	ug/L			09/10/15 14:57	1
Methyl tert-butyl ether	<0.50		0.50	0.50	ug/L			09/10/15 14:57	1
m-Xylene & p-Xylene	<0.50		0.50	0.50	ug/L			09/10/15 14:57	1
o-Xylene	<0.50		0.50	0.50	ug/L			09/10/15 14:57	1
Styrene	<0.50		0.50	0.50	ug/L			09/10/15 14:57	1
1,1,1,2-Tetrachloroethane	<0.24		0.50	0.24	ug/L			09/10/15 14:57	1
1,1,2,2-Tetrachloroethane	<0.13		0.50	0.13	ug/L			09/10/15 14:57	1
Tetrachloroethene	<0.50		0.50	0.50	ug/L			09/10/15 14:57	1
Toluene	<0.50		0.50	0.50	ug/L			09/10/15 14:57	1
trans-1,2-Dichloroethene	<0.50		0.50	0.50	ug/L			09/10/15 14:57	1

Client Sample ID: Site 3 L
Date Collected: 09/04/15 14:05
Date Received: 09/05/15 11:02

Lab Sample ID: 680-116473-10
Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	<0.11		0.50	0.11	ug/L			09/10/15 14:57	1
1,2,4-Trichlorobenzene	<0.50		0.50	0.50	ug/L			09/10/15 14:57	1
1,1,1-Trichloroethane	<0.50		0.50	0.50	ug/L			09/10/15 14:57	1
1,1,2-Trichloroethane	<0.50		0.50	0.50	ug/L			09/10/15 14:57	1
Trichloroethene	<0.50		0.50	0.50	ug/L			09/10/15 14:57	1
1,2,3-Trichloropropane	<0.17		0.50	0.17	ug/L			09/10/15 14:57	1
Vinyl chloride	<0.50		0.50	0.50	ug/L			09/10/15 14:57	1
Xylenes, Total	<0.50		0.50	0.50	ug/L			09/10/15 14:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*70 - 130*		*09/10/15 14:57*	*1*
1,2-Dichlorobenzene-d4 (Surr)	*93*		*70 - 130*		*09/10/15 14:57*	*1*

Method: 525.2 - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	<0.19		0.19	0.19	ug/L		09/09/15 08:08	09/10/15 21:45	1
Acenaphthene	<0.039		0.19	0.039	ug/L		09/09/15 08:08	09/10/15 21:45	1
Acenaphthylene	<0.019		0.19	0.019	ug/L		09/09/15 08:08	09/10/15 21:45	1
Alachlor	<0.19		0.19	0.19	ug/L		09/09/15 08:08	09/10/15 21:45	1
Anthracene	<0.022		0.19	0.022	ug/L		09/09/15 08:08	09/10/15 21:45	1
Atrazine	<0.29		0.29	0.29	ug/L		09/09/15 08:08	09/10/15 21:45	1
Benzo[a]anthracene	<0.019		0.097	0.019	ug/L		09/09/15 08:08	09/10/15 21:45	1
Benzo[a]pyrene	<0.097		0.097	0.097	ug/L		09/09/15 08:08	09/10/15 21:45	1
Benzo[b]fluoranthene	<0.021		0.097	0.021	ug/L		09/09/15 08:08	09/10/15 21:45	1
Benzo[g,h,i]perylene	<0.044		0.097	0.044	ug/L		09/09/15 08:08	09/10/15 21:45	1
Benzo[k]fluoranthene	<0.034		0.097	0.034	ug/L		09/09/15 08:08	09/10/15 21:45	1
Bis(2-ethylhexyl) phthalate	<1.7		1.9	1.7	ug/L		09/09/15 08:08	09/10/15 21:45	1
Chrysene	<0.019		0.19	0.019	ug/L		09/09/15 08:08	09/10/15 21:45	1
Di(2-ethylhexyl)adipate	<0.58		1.5	0.58	ug/L		09/09/15 08:08	09/10/15 21:45	1
Dibenz(a,h)anthracene	<0.060		0.097	0.060	ug/L		09/09/15 08:08	09/10/15 21:45	1
Endrin	<0.097		0.49	0.097	ug/L		09/09/15 08:08	09/10/15 21:45	1
Fluoranthene	<0.019		0.19	0.019	ug/L		09/09/15 08:08	09/10/15 21:45	1
Fluorene	<0.019		0.19	0.019	ug/L		09/09/15 08:08	09/10/15 21:45	1
gamma-BHC (Lindane)	<0.097		0.19	0.097	ug/L		09/09/15 08:08	09/10/15 21:45	1
Heptachlor	<0.039		0.19	0.039	ug/L		09/09/15 08:08	09/10/15 21:45	1
Heptachlor epoxide	<0.019		0.39	0.019	ug/L		09/09/15 08:08	09/10/15 21:45	1
Hexachlorobenzene	<0.097		0.19	0.097	ug/L		09/09/15 08:08	09/10/15 21:45	1
Hexachlorocyclopentadiene	<0.49	*	1.9	0.49	ug/L		09/09/15 08:08	09/10/15 21:45	1
Indeno[1,2,3-cd]pyrene	<0.034		0.097	0.034	ug/L		09/09/15 08:08	09/10/15 21:45	1
Methoxychlor	<0.097		0.49	0.097	ug/L		09/09/15 08:08	09/10/15 21:45	1
Naphthalene	<0.019		0.19	0.019	ug/L		09/09/15 08:08	09/10/15 21:45	1
Phenanthrene	<0.019		0.19	0.019	ug/L		09/09/15 08:08	09/10/15 21:45	1
Pyrene	<0.019		0.19	0.019	ug/L		09/09/15 08:08	09/10/15 21:45	1
Simazine	<0.34		0.49	0.34	ug/L		09/09/15 08:08	09/10/15 21:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Nitro-m-xylene	*100*		*70 - 130*	*09/09/15 08:08*	*09/10/15 21:45*	*1*
Acenaphthene-d10 (Surr)	*79*		*70 - 130*	*09/09/15 08:08*	*09/10/15 21:45*	*1*
Chrysene-d12 (Surr)	*97*		*70 - 130*	*09/09/15 08:08*	*09/10/15 21:45*	*1*
Perylene-d12	*81*		*70 - 130*	*09/09/15 08:08*	*09/10/15 21:45*	*1*

Client Sample ID: Site 3 L

Date Collected: 09/04/15 14:05
Date Received: 09/05/15 11:02

Lab Sample ID: 680-116473-10

Matrix: Water

Method: 525.2 - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Phenanthrene-d10 (Surr)	*84*		*70 - 130*	*09/09/15 08:08*	*09/10/15 21:45*	*1*
Triphenylphosphate	*99*		*70 - 130*	*09/09/15 08:08*	*09/10/15 21:45*	*1*

Client Sample ID: Site 4 E

Date Collected: 09/04/15 14:35
Date Received: 09/05/15 11:02

Lab Sample ID: 680-116473-11

Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.50		0.50	0.50	ug/L			09/10/15 15:19	1
Bromobenzene	<0.091		0.50	0.091	ug/L			09/10/15 15:19	1
Bromoform	<1.0		1.0	1.0	ug/L			09/10/15 15:19	1
Bromomethane	<0.20	*	1.0	0.20	ug/L			09/10/15 15:19	1
Carbon tetrachloride	<0.50		0.50	0.50	ug/L			09/10/15 15:19	1
Chlorobenzene	<0.50		0.50	0.50	ug/L			09/10/15 15:19	1
Chlorodibromomethane	**4.0**		1.0	1.0	ug/L			09/10/15 15:19	1
Chloroethane	<0.22		1.0	0.22	ug/L			09/10/15 15:19	1
Chloroform	**8.3**		1.0	1.0	ug/L			09/10/15 15:19	1
Chloromethane	<0.15		0.50	0.15	ug/L			09/10/15 15:19	1
2-Chlorotoluene	<0.11		0.50	0.11	ug/L			09/10/15 15:19	1
4-Chlorotoluene	<0.13		0.50	0.13	ug/L			09/10/15 15:19	1
cis-1,2-Dichloroethene	<0.50		0.50	0.50	ug/L			09/10/15 15:19	1
cis-1,3-Dichloropropene	<0.081		0.50	0.081	ug/L			09/10/15 15:19	1
Dibromomethane	<0.16		0.50	0.16	ug/L			09/10/15 15:19	1
1,2-Dichlorobenzene	<0.50		0.50	0.50	ug/L			09/10/15 15:19	1
1,3-Dichlorobenzene	<0.50		0.50	0.50	ug/L			09/10/15 15:19	1
1,4-Dichlorobenzene	<0.50		0.50	0.50	ug/L			09/10/15 15:19	1
Dichlorobromomethane	**6.9**		1.0	1.0	ug/L			09/10/15 15:19	1
1,1-Dichloroethane	<0.50		0.50	0.50	ug/L			09/10/15 15:19	1
1,2-Dichloroethane	<0.50		0.50	0.50	ug/L			09/10/15 15:19	1
1,1-Dichloroethene	<0.50		0.50	0.50	ug/L			09/10/15 15:19	1
1,2-Dichloropropane	<0.50		0.50	0.50	ug/L			09/10/15 15:19	1
1,3-Dichloropropane	<0.10		0.50	0.10	ug/L			09/10/15 15:19	1
2,2-Dichloropropane	<0.20		0.50	0.20	ug/L			09/10/15 15:19	1
1,1-Dichloropropene	<0.095		0.50	0.095	ug/L			09/10/15 15:19	1
Ethylbenzene	<0.50		0.50	0.50	ug/L			09/10/15 15:19	1
Methylene Chloride	<0.50		0.50	0.50	ug/L			09/10/15 15:19	1
Methyl tert-butyl ether	<0.50		0.50	0.50	ug/L			09/10/15 15:19	1
m-Xylene & p-Xylene	<0.50		0.50	0.50	ug/L			09/10/15 15:19	1
o-Xylene	<0.50		0.50	0.50	ug/L			09/10/15 15:19	1
Styrene	<0.50		0.50	0.50	ug/L			09/10/15 15:19	1
1,1,1,2-Tetrachloroethane	<0.24		0.50	0.24	ug/L			09/10/15 15:19	1
1,1,2,2-Tetrachloroethane	<0.13		0.50	0.13	ug/L			09/10/15 15:19	1
Tetrachloroethene	<0.50		0.50	0.50	ug/L			09/10/15 15:19	1
Toluene	<0.50		0.50	0.50	ug/L			09/10/15 15:19	1
trans-1,2-Dichloroethene	<0.50		0.50	0.50	ug/L			09/10/15 15:19	1
trans-1,3-Dichloropropene	<0.11		0.50	0.11	ug/L			09/10/15 15:19	1
1,2,4-Trichlorobenzene	<0.50		0.50	0.50	ug/L			09/10/15 15:19	1
1,1,1-Trichloroethane	<0.50		0.50	0.50	ug/L			09/10/15 15:19	1

Client Sample ID: Site 4 E

Date Collected: 09/04/15 14:35
Date Received: 09/05/15 11:02

Lab Sample ID: 680-116473-11

Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	<0.50		0.50	0.50	ug/L			09/10/15 15:19	1
Trichloroethene	<0.50		0.50	0.50	ug/L			09/10/15 15:19	1
1,2,3-Trichloropropane	<0.17		0.50	0.17	ug/L			09/10/15 15:19	1
Vinyl chloride	<0.50		0.50	0.50	ug/L			09/10/15 15:19	1
Xylenes, Total	<0.50		0.50	0.50	ug/L			09/10/15 15:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*70 - 130*		*09/10/15 15:19*	*1*
1,2-Dichlorobenzene-d4 (Surr)	*102*		*70 - 130*		*09/10/15 15:19*	*1*

Method: 525.2 - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	<0.19		0.19	0.19	ug/L		09/09/15 08:08	09/10/15 22:12	1
Acenaphthene	<0.039		0.19	0.039	ug/L		09/09/15 08:08	09/10/15 22:12	1
Acenaphthylene	<0.019		0.19	0.019	ug/L		09/09/15 08:08	09/10/15 22:12	1
Alachlor	<0.19		0.19	0.19	ug/L		09/09/15 08:08	09/10/15 22:12	1
Anthracene	<0.022		0.19	0.022	ug/L		09/09/15 08:08	09/10/15 22:12	1
Atrazine	<0.29		0.29	0.29	ug/L		09/09/15 08:08	09/10/15 22:12	1
Benzo[a]anthracene	<0.019		0.097	0.019	ug/L		09/09/15 08:08	09/10/15 22:12	1
Benzo[a]pyrene	<0.097		0.097	0.097	ug/L		09/09/15 08:08	09/10/15 22:12	1
Benzo[b]fluoranthene	<0.021		0.097	0.021	ug/L		09/09/15 08:08	09/10/15 22:12	1
Benzo[g,h,i]perylene	<0.044		0.097	0.044	ug/L		09/09/15 08:08	09/10/15 22:12	1
Benzo[k]fluoranthene	<0.034		0.097	0.034	ug/L		09/09/15 08:08	09/10/15 22:12	1
Bis(2-ethylhexyl) phthalate	<1.7		1.9	1.7	ug/L		09/09/15 08:08	09/10/15 22:12	1
Chrysene	<0.019		0.19	0.019	ug/L		09/09/15 08:08	09/10/15 22:12	1
Di(2-ethylhexyl)adipate	<0.58		1.5	0.58	ug/L		09/09/15 08:08	09/10/15 22:12	1
Dibenz(a,h)anthracene	<0.060		0.097	0.060	ug/L		09/09/15 08:08	09/10/15 22:12	1
Endrin	<0.097		0.48	0.097	ug/L		09/09/15 08:08	09/10/15 22:12	1
Fluoranthene	<0.019		0.19	0.019	ug/L		09/09/15 08:08	09/10/15 22:12	1
Fluorene	<0.019		0.19	0.019	ug/L		09/09/15 08:08	09/10/15 22:12	1
gamma-BHC (Lindane)	<0.097		0.19	0.097	ug/L		09/09/15 08:08	09/10/15 22:12	1
Heptachlor	<0.039		0.19	0.039	ug/L		09/09/15 08:08	09/10/15 22:12	1
Heptachlor epoxide	<0.019		0.39	0.019	ug/L		09/09/15 08:08	09/10/15 22:12	1
Hexachlorobenzene	<0.097		0.19	0.097	ug/L		09/09/15 08:08	09/10/15 22:12	1
Hexachlorocyclopentadiene	<0.48	*	1.9	0.48	ug/L		09/09/15 08:08	09/10/15 22:12	1
Indeno[1,2,3-cd]pyrene	<0.034		0.097	0.034	ug/L		09/09/15 08:08	09/10/15 22:12	1
Methoxychlor	<0.097		0.48	0.097	ug/L		09/09/15 08:08	09/10/15 22:12	1
Naphthalene	<0.019		0.19	0.019	ug/L		09/09/15 08:08	09/10/15 22:12	1
Phenanthrene	<0.019		0.19	0.019	ug/L		09/09/15 08:08	09/10/15 22:12	1
Pyrene	<0.019		0.19	0.019	ug/L		09/09/15 08:08	09/10/15 22:12	1
Simazine	<0.34		0.48	0.34	ug/L		09/09/15 08:08	09/10/15 22:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Nitro-m-xylene	*96*		*70 - 130*	*09/09/15 08:08*	*09/10/15 22:12*	*1*
Acenaphthene-d10 (Surr)	*76*		*70 - 130*	*09/09/15 08:08*	*09/10/15 22:12*	*1*
Chrysene-d12 (Surr)	*99*		*70 - 130*	*09/09/15 08:08*	*09/10/15 22:12*	*1*
Perylene-d12	*93*		*70 - 130*	*09/09/15 08:08*	*09/10/15 22:12*	*1*
Phenanthrene-d10 (Surr)	*83*		*70 - 130*	*09/09/15 08:08*	*09/10/15 22:12*	*1*
Triphenylphosphate	*99*		*70 - 130*	*09/09/15 08:08*	*09/10/15 22:12*	*1*

Client Sample ID: Site 4 L

Date Collected: 09/04/15 14:45
Date Received: 09/05/15 11:02

Lab Sample ID: 680-116473-12

Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.50		0.50	0.50	ug/L			09/10/15 15:40	1
Bromobenzene	<0.091		0.50	0.091	ug/L			09/10/15 15:40	1
Bromoform	<1.0		1.0	1.0	ug/L			09/10/15 15:40	1
Bromomethane	<0.20	*	1.0	0.20	ug/L			09/10/15 15:40	1
Carbon tetrachloride	<0.50		0.50	0.50	ug/L			09/10/15 15:40	1
Chlorobenzene	<0.50		0.50	0.50	ug/L			09/10/15 15:40	1
Chlorodibromomethane	**4.8**		1.0	1.0	ug/L			09/10/15 15:40	1
Chloroethane	<0.22		1.0	0.22	ug/L			09/10/15 15:40	1
Chloroform	**11**		1.0	1.0	ug/L			09/10/15 15:40	1
Chloromethane	<0.15		0.50	0.15	ug/L			09/10/15 15:40	1
2-Chlorotoluene	<0.11		0.50	0.11	ug/L			09/10/15 15:40	1
4-Chlorotoluene	<0.13		0.50	0.13	ug/L			09/10/15 15:40	1
cis-1,2-Dichloroethene	<0.50		0.50	0.50	ug/L			09/10/15 15:40	1
cis-1,3-Dichloropropene	<0.081		0.50	0.081	ug/L			09/10/15 15:40	1
Dibromomethane	<0.16		0.50	0.16	ug/L			09/10/15 15:40	1
1,2-Dichlorobenzene	<0.50		0.50	0.50	ug/L			09/10/15 15:40	1
1,3-Dichlorobenzene	<0.50		0.50	0.50	ug/L			09/10/15 15:40	1
1,4-Dichlorobenzene	<0.50		0.50	0.50	ug/L			09/10/15 15:40	1
Dichlorobromomethane	**8.6**		1.0	1.0	ug/L			09/10/15 15:40	1
1,1-Dichloroethane	<0.50		0.50	0.50	ug/L			09/10/15 15:40	1
1,2-Dichloroethane	<0.50		0.50	0.50	ug/L			09/10/15 15:40	1
1,1-Dichloroethene	<0.50		0.50	0.50	ug/L			09/10/15 15:40	1
1,2-Dichloropropane	<0.50		0.50	0.50	ug/L			09/10/15 15:40	1
1,3-Dichloropropane	<0.10		0.50	0.10	ug/L			09/10/15 15:40	1
2,2-Dichloropropane	<0.20		0.50	0.20	ug/L			09/10/15 15:40	1
1,1-Dichloropropene	<0.095		0.50	0.095	ug/L			09/10/15 15:40	1
Ethylbenzene	<0.50		0.50	0.50	ug/L			09/10/15 15:40	1
Methylene Chloride	<0.50		0.50	0.50	ug/L			09/10/15 15:40	1
Methyl tert-butyl ether	<0.50		0.50	0.50	ug/L			09/10/15 15:40	1
m-Xylene & p-Xylene	<0.50		0.50	0.50	ug/L			09/10/15 15:40	1
o-Xylene	<0.50		0.50	0.50	ug/L			09/10/15 15:40	1
Styrene	<0.50		0.50	0.50	ug/L			09/10/15 15:40	1
1,1,1,2-Tetrachloroethane	<0.24		0.50	0.24	ug/L			09/10/15 15:40	1
1,1,2,2-Tetrachloroethane	<0.13		0.50	0.13	ug/L			09/10/15 15:40	1
Tetrachloroethene	<0.50		0.50	0.50	ug/L			09/10/15 15:40	1
Toluene	<0.50		0.50	0.50	ug/L			09/10/15 15:40	1
trans-1,2-Dichloroethene	<0.50		0.50	0.50	ug/L			09/10/15 15:40	1
trans-1,3-Dichloropropene	<0.11		0.50	0.11	ug/L			09/10/15 15:40	1
1,2,4-Trichlorobenzene	<0.50		0.50	0.50	ug/L			09/10/15 15:40	1
1,1,1-Trichloroethane	<0.50		0.50	0.50	ug/L			09/10/15 15:40	1
1,1,2-Trichloroethane	<0.50		0.50	0.50	ug/L			09/10/15 15:40	1
Trichloroethene	<0.50		0.50	0.50	ug/L			09/10/15 15:40	1
1,2,3-Trichloropropane	<0.17		0.50	0.17	ug/L			09/10/15 15:40	1
Vinyl chloride	<0.50		0.50	0.50	ug/L			09/10/15 15:40	1
Xylenes, Total	<0.50		0.50	0.50	ug/L			09/10/15 15:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*		*70 - 130*		*09/10/15 15:40*	*1*
1,2-Dichlorobenzene-d4 (Surr)	*98*		*70 - 130*		*09/10/15 15:40*	*1*

Client Sample ID: Site 4 L

Date Collected: 09/04/15 14:45
Date Received: 09/05/15 11:02

Lab Sample ID: 680-116473-12

Matrix: Water

Method: 525.2 - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	<0.19		0.19	0.19	ug/L		09/09/15 08:08	09/10/15 22:40	1
Acenaphthene	<0.039		0.19	0.039	ug/L		09/09/15 08:08	09/10/15 22:40	1
Acenaphthylene	<0.019		0.19	0.019	ug/L		09/09/15 08:08	09/10/15 22:40	1
Alachlor	<0.19		0.19	0.19	ug/L		09/09/15 08:08	09/10/15 22:40	1
Anthracene	<0.022		0.19	0.022	ug/L		09/09/15 08:08	09/10/15 22:40	1
Atrazine	<0.29		0.29	0.29	ug/L		09/09/15 08:08	09/10/15 22:40	1
Benzo[a]anthracene	<0.019		0.097	0.019	ug/L		09/09/15 08:08	09/10/15 22:40	1
Benzo[a]pyrene	<0.097		0.097	0.097	ug/L		09/09/15 08:08	09/10/15 22:40	1
Benzo[b]fluoranthene	<0.021		0.097	0.021	ug/L		09/09/15 08:08	09/10/15 22:40	1
Benzo[g,h,i]perylene	<0.044		0.097	0.044	ug/L		09/09/15 08:08	09/10/15 22:40	1
Benzo[k]fluoranthene	<0.034		0.097	0.034	ug/L		09/09/15 08:08	09/10/15 22:40	1
Bis(2-ethylhexyl) phthalate	<1.7		1.9	1.7	ug/L		09/09/15 08:08	09/10/15 22:40	1
Chrysene	<0.019		0.19	0.019	ug/L		09/09/15 08:08	09/10/15 22:40	1
Di(2-ethylhexyl)adipate	<0.58		1.5	0.58	ug/L		09/09/15 08:08	09/10/15 22:40	1
Dibenz(a,h)anthracene	<0.060		0.097	0.060	ug/L		09/09/15 08:08	09/10/15 22:40	1
Endrin	<0.097		0.48	0.097	ug/L		09/09/15 08:08	09/10/15 22:40	1
Fluoranthene	<0.019		0.19	0.019	ug/L		09/09/15 08:08	09/10/15 22:40	1
Fluorene	<0.019		0.19	0.019	ug/L		09/09/15 08:08	09/10/15 22:40	1
gamma-BHC (Lindane)	<0.097		0.19	0.097	ug/L		09/09/15 08:08	09/10/15 22:40	1
Heptachlor	<0.039		0.19	0.039	ug/L		09/09/15 08:08	09/10/15 22:40	1
Heptachlor epoxide	<0.019		0.39	0.019	ug/L		09/09/15 08:08	09/10/15 22:40	1
Hexachlorobenzene	<0.097		0.19	0.097	ug/L		09/09/15 08:08	09/10/15 22:40	1
Hexachlorocyclopentadiene	<0.48	*	1.9	0.48	ug/L		09/09/15 08:08	09/10/15 22:40	1
Indeno[1,2,3-cd]pyrene	<0.034		0.097	0.034	ug/L		09/09/15 08:08	09/10/15 22:40	1
Methoxychlor	<0.097		0.48	0.097	ug/L		09/09/15 08:08	09/10/15 22:40	1
Naphthalene	<0.019		0.19	0.019	ug/L		09/09/15 08:08	09/10/15 22:40	1
Phenanthrene	<0.019		0.19	0.019	ug/L		09/09/15 08:08	09/10/15 22:40	1
Pyrene	<0.019		0.19	0.019	ug/L		09/09/15 08:08	09/10/15 22:40	1
Simazine	<0.34		0.48	0.34	ug/L		09/09/15 08:08	09/10/15 22:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Nitro-m-xylene	*100*		*70 - 130*	*09/09/15 08:08*	*09/10/15 22:40*	*1*
Acenaphthene-d10 (Surr)	*78*		*70 - 130*	*09/09/15 08:08*	*09/10/15 22:40*	*1*
Chrysene-d12 (Surr)	*95*		*70 - 130*	*09/09/15 08:08*	*09/10/15 22:40*	*1*
Perylene-d12	*76*		*70 - 130*	*09/09/15 08:08*	*09/10/15 22:40*	*1*
Phenanthrene-d10 (Surr)	*85*		*70 - 130*	*09/09/15 08:08*	*09/10/15 22:40*	*1*
Triphenylphosphate	*102*		*70 - 130*	*09/09/15 08:08*	*09/10/15 22:40*	*1*

Client Sample ID: Field Blank Site 4

Date Collected: 09/04/15 14:35
Date Received: 09/05/15 11:02

Lab Sample ID: 680-116473-13

Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.50		0.50	0.50	ug/L			09/10/15 12:08	1
Bromobenzene	<0.091		0.50	0.091	ug/L			09/10/15 12:08	1
Bromoform	<1.0		1.0	1.0	ug/L			09/10/15 12:08	1
Bromomethane	<0.20	*	1.0	0.20	ug/L			09/10/15 12:08	1
Carbon tetrachloride	<0.50		0.50	0.50	ug/L			09/10/15 12:08	1
Chlorobenzene	<0.50		0.50	0.50	ug/L			09/10/15 12:08	1

Client Sample ID: Field Blank Site 4

Date Collected: 09/04/15 14:35
Date Received: 09/05/15 11:02

Lab Sample ID: 680-116473-13

Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorodibromomethane	<1.0		1.0	1.0	ug/L			09/10/15 12:08	1
Chloroethane	<0.22		1.0	0.22	ug/L			09/10/15 12:08	1
Chloroform	<1.0		1.0	1.0	ug/L			09/10/15 12:08	1
Chloromethane	<0.15		0.50	0.15	ug/L			09/10/15 12:08	1
2-Chlorotoluene	<0.11		0.50	0.11	ug/L			09/10/15 12:08	1
4-Chlorotoluene	<0.13		0.50	0.13	ug/L			09/10/15 12:08	1
cis-1,2-Dichloroethene	<0.50		0.50	0.50	ug/L			09/10/15 12:08	1
cis-1,3-Dichloropropene	<0.081		0.50	0.081	ug/L			09/10/15 12:08	1
Dibromomethane	<0.16		0.50	0.16	ug/L			09/10/15 12:08	1
1,2-Dichlorobenzene	<0.50		0.50	0.50	ug/L			09/10/15 12:08	1
1,3-Dichlorobenzene	<0.50		0.50	0.50	ug/L			09/10/15 12:08	1
1,4-Dichlorobenzene	<0.50		0.50	0.50	ug/L			09/10/15 12:08	1
Dichlorobromomethane	<1.0		1.0	1.0	ug/L			09/10/15 12:08	1
1,1-Dichloroethane	<0.50		0.50	0.50	ug/L			09/10/15 12:08	1
1,2-Dichloroethane	<0.50		0.50	0.50	ug/L			09/10/15 12:08	1
1,1-Dichloroethene	<0.50		0.50	0.50	ug/L			09/10/15 12:08	1
1,2-Dichloropropane	<0.50		0.50	0.50	ug/L			09/10/15 12:08	1
1,3-Dichloropropane	<0.10		0.50	0.10	ug/L			09/10/15 12:08	1
2,2-Dichloropropane	<0.20		0.50	0.20	ug/L			09/10/15 12:08	1
1,1-Dichloropropene	<0.095		0.50	0.095	ug/L			09/10/15 12:08	1
Ethylbenzene	<0.50		0.50	0.50	ug/L			09/10/15 12:08	1
Methylene Chloride	<0.50		0.50	0.50	ug/L			09/10/15 12:08	1
Methyl tert-butyl ether	<0.50		0.50	0.50	ug/L			09/10/15 12:08	1
m-Xylene & p-Xylene	<0.50		0.50	0.50	ug/L			09/10/15 12:08	1
o-Xylene	<0.50		0.50	0.50	ug/L			09/10/15 12:08	1
Styrene	<0.50		0.50	0.50	ug/L			09/10/15 12:08	1
1,1,1,2-Tetrachloroethane	<0.24		0.50	0.24	ug/L			09/10/15 12:08	1
1,1,2,2-Tetrachloroethane	<0.13		0.50	0.13	ug/L			09/10/15 12:08	1
Tetrachloroethene	<0.50		0.50	0.50	ug/L			09/10/15 12:08	1
Toluene	**0.58**		0.50	0.50	ug/L			09/10/15 12:08	1
trans-1,2-Dichloroethene	<0.50		0.50	0.50	ug/L			09/10/15 12:08	1
trans-1,3-Dichloropropene	<0.11		0.50	0.11	ug/L			09/10/15 12:08	1
1,2,4-Trichlorobenzene	<0.50		0.50	0.50	ug/L			09/10/15 12:08	1
1,1,1-Trichloroethane	<0.50		0.50	0.50	ug/L			09/10/15 12:08	1
1,1,2-Trichloroethane	<0.50		0.50	0.50	ug/L			09/10/15 12:08	1
Trichloroethene	<0.50		0.50	0.50	ug/L			09/10/15 12:08	1
1,2,3-Trichloropropane	<0.17		0.50	0.17	ug/L			09/10/15 12:08	1
Vinyl chloride	<0.50		0.50	0.50	ug/L			09/10/15 12:08	1
Xylenes, Total	<0.50		0.50	0.50	ug/L			09/10/15 12:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*70 - 130*		*09/10/15 12:08*	*1*
1,2-Dichlorobenzene-d4 (Surr)	*95*		*70 - 130*		*09/10/15 12:08*	*1*

Method: 525.2 - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	<0.19		0.19	0.19	ug/L		09/09/15 08:08	09/10/15 23:08	1
Acenaphthene	<0.039		0.19	0.039	ug/L		09/09/15 08:08	09/10/15 23:08	1
Acenaphthylene	<0.019		0.19	0.019	ug/L		09/09/15 08:08	09/10/15 23:08	1
Alachlor	<0.19		0.19	0.19	ug/L		09/09/15 08:08	09/10/15 23:08	1

Client Sample ID: Field Blank Site 4

Date Collected: 09/04/15 14:35
Date Received: 09/05/15 11:02

Lab Sample ID: 680-116473-13
Matrix: Water

Method: 525.2 - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	<0.022		0.19	0.022	ug/L		09/09/15 08:08	09/10/15 23:08	1
Atrazine	<0.29		0.29	0.29	ug/L		09/09/15 08:08	09/10/15 23:08	1
Benzo[a]anthracene	<0.019		0.097	0.019	ug/L		09/09/15 08:08	09/10/15 23:08	1
Benzo[a]pyrene	<0.097		0.097	0.097	ug/L		09/09/15 08:08	09/10/15 23:08	1
Benzo[b]fluoranthene	<0.021		0.097	0.021	ug/L		09/09/15 08:08	09/10/15 23:08	1
Benzo[g,h,i]perylene	<0.043		0.097	0.043	ug/L		09/09/15 08:08	09/10/15 23:08	1
Benzo[k]fluoranthene	<0.034		0.097	0.034	ug/L		09/09/15 08:08	09/10/15 23:08	1
Bis(2-ethylhexyl) phthalate	<1.7		1.9	1.7	ug/L		09/09/15 08:08	09/10/15 23:08	1
Chrysene	<0.019		0.19	0.019	ug/L		09/09/15 08:08	09/10/15 23:08	1
Di(2-ethylhexyl)adipate	<0.58		1.4	0.58	ug/L		09/09/15 08:08	09/10/15 23:08	1
Dibenz(a,h)anthracene	<0.060		0.097	0.060	ug/L		09/09/15 08:08	09/10/15 23:08	1
Endrin	<0.097		0.48	0.097	ug/L		09/09/15 08:08	09/10/15 23:08	1
Fluoranthene	<0.019		0.19	0.019	ug/L		09/09/15 08:08	09/10/15 23:08	1
Fluorene	<0.019		0.19	0.019	ug/L		09/09/15 08:08	09/10/15 23:08	1
gamma-BHC (Lindane)	<0.097		0.19	0.097	ug/L		09/09/15 08:08	09/10/15 23:08	1
Heptachlor	<0.039		0.19	0.039	ug/L		09/09/15 08:08	09/10/15 23:08	1
Heptachlor epoxide	<0.019		0.39	0.019	ug/L		09/09/15 08:08	09/10/15 23:08	1
Hexachlorobenzene	<0.097		0.19	0.097	ug/L		09/09/15 08:08	09/10/15 23:08	1
Hexachlorocyclopentadiene	<0.48	*	1.9	0.48	ug/L		09/09/15 08:08	09/10/15 23:08	1
Indeno[1,2,3-cd]pyrene	<0.034		0.097	0.034	ug/L		09/09/15 08:08	09/10/15 23:08	1
Methoxychlor	<0.097		0.48	0.097	ug/L		09/09/15 08:08	09/10/15 23:08	1
Naphthalene	**0.072**	**J**	0.19	0.019	ug/L		09/09/15 08:08	09/10/15 23:08	1
Phenanthrene	<0.019		0.19	0.019	ug/L		09/09/15 08:08	09/10/15 23:08	1
Pyrene	<0.019		0.19	0.019	ug/L		09/09/15 08:08	09/10/15 23:08	1
Simazine	<0.34		0.48	0.34	ug/L		09/09/15 08:08	09/10/15 23:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Nitro-m-xylene	*96*		*70 - 130*	*09/09/15 08:08*	*09/10/15 23:08*	*1*
Acenaphthene-d10 (Surr)	*71*		*70 - 130*	*09/09/15 08:08*	*09/10/15 23:08*	*1*
Chrysene-d12 (Surr)	*99*		*70 - 130*	*09/09/15 08:08*	*09/10/15 23:08*	*1*
Perylene-d12	*91*		*70 - 130*	*09/09/15 08:08*	*09/10/15 23:08*	*1*
Phenanthrene-d10 (Surr)	*75*		*70 - 130*	*09/09/15 08:08*	*09/10/15 23:08*	*1*
Triphenylphosphate	*94*		*70 - 130*	*09/09/15 08:08*	*09/10/15 23:08*	*1*

Client Sample ID: Site 6 E

Date Collected: 09/04/15 15:45
Date Received: 09/05/15 11:02

Lab Sample ID: 680-116473-14
Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.50		0.50	0.50	ug/L			09/10/15 16:01	1
Bromobenzene	<0.091		0.50	0.091	ug/L			09/10/15 16:01	1
Bromoform	<1.0		1.0	1.0	ug/L			09/10/15 16:01	1
Bromomethane	<0.20	*	1.0	0.20	ug/L			09/10/15 16:01	1
Carbon tetrachloride	<0.50		0.50	0.50	ug/L			09/10/15 16:01	1
Chlorobenzene	<0.50		0.50	0.50	ug/L			09/10/15 16:01	1
Chlorodibromomethane	**3.2**		1.0	1.0	ug/L			09/10/15 16:01	1
Chloroethane	<0.22		1.0	0.22	ug/L			09/10/15 16:01	1
Chloroform	**4.7**		1.0	1.0	ug/L			09/10/15 16:01	1
Chloromethane	<0.15		0.50	0.15	ug/L			09/10/15 16:01	1

Client Sample ID: Site 6 E
Date Collected: 09/04/15 15:45
Date Received: 09/05/15 11:02

Lab Sample ID: 680-116473-14
Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorotoluene	<0.11		0.50	0.11	ug/L			09/10/15 16:01	1
4-Chlorotoluene	<0.13		0.50	0.13	ug/L			09/10/15 16:01	1
cis-1,2-Dichloroethene	<0.50		0.50	0.50	ug/L			09/10/15 16:01	1
cis-1,3-Dichloropropene	<0.081		0.50	0.081	ug/L			09/10/15 16:01	1
Dibromomethane	<0.16		0.50	0.16	ug/L			09/10/15 16:01	1
1,2-Dichlorobenzene	<0.50		0.50	0.50	ug/L			09/10/15 16:01	1
1,3-Dichlorobenzene	<0.50		0.50	0.50	ug/L			09/10/15 16:01	1
1,4-Dichlorobenzene	<0.50		0.50	0.50	ug/L			09/10/15 16:01	1
Dichlorobromomethane	**5.1**		1.0	1.0	ug/L			09/10/15 16:01	1
1,1-Dichloroethane	<0.50		0.50	0.50	ug/L			09/10/15 16:01	1
1,2-Dichloroethane	<0.50		0.50	0.50	ug/L			09/10/15 16:01	1
1,1-Dichloroethene	<0.50		0.50	0.50	ug/L			09/10/15 16:01	1
1,2-Dichloropropane	<0.50		0.50	0.50	ug/L			09/10/15 16:01	1
1,3-Dichloropropane	<0.10		0.50	0.10	ug/L			09/10/15 16:01	1
2,2-Dichloropropane	<0.20		0.50	0.20	ug/L			09/10/15 16:01	1
1,1-Dichloropropene	<0.095		0.50	0.095	ug/L			09/10/15 16:01	1
Ethylbenzene	<0.50		0.50	0.50	ug/L			09/10/15 16:01	1
Methylene Chloride	<0.50		0.50	0.50	ug/L			09/10/15 16:01	1
Methyl tert-butyl ether	<0.50		0.50	0.50	ug/L			09/10/15 16:01	1
m-Xylene & p-Xylene	<0.50		0.50	0.50	ug/L			09/10/15 16:01	1
o-Xylene	<0.50		0.50	0.50	ug/L			09/10/15 16:01	1
Styrene	<0.50		0.50	0.50	ug/L			09/10/15 16:01	1
1,1,1,2-Tetrachloroethane	<0.24		0.50	0.24	ug/L			09/10/15 16:01	1
1,1,2,2-Tetrachloroethane	<0.13		0.50	0.13	ug/L			09/10/15 16:01	1
Tetrachloroethene	<0.50		0.50	0.50	ug/L			09/10/15 16:01	1
Toluene	<0.50		0.50	0.50	ug/L			09/10/15 16:01	1
trans-1,2-Dichloroethene	<0.50		0.50	0.50	ug/L			09/10/15 16:01	1
trans-1,3-Dichloropropene	<0.11		0.50	0.11	ug/L			09/10/15 16:01	1
1,2,4-Trichlorobenzene	<0.50		0.50	0.50	ug/L			09/10/15 16:01	1
1,1,1-Trichloroethane	<0.50		0.50	0.50	ug/L			09/10/15 16:01	1
1,1,2-Trichloroethane	<0.50		0.50	0.50	ug/L			09/10/15 16:01	1
Trichloroethene	<0.50		0.50	0.50	ug/L			09/10/15 16:01	1
1,2,3-Trichloropropane	<0.17		0.50	0.17	ug/L			09/10/15 16:01	1
Vinyl chloride	<0.50		0.50	0.50	ug/L			09/10/15 16:01	1
Xylenes, Total	<0.50		0.50	0.50	ug/L			09/10/15 16:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*70 - 130*		*09/10/15 16:01*	*1*
1,2-Dichlorobenzene-d4 (Surr)	*102*		*70 - 130*		*09/10/15 16:01*	*1*

Method: 525.2 - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	<0.19		0.19	0.19	ug/L		09/09/15 08:08	09/10/15 23:36	1
Acenaphthene	<0.039		0.19	0.039	ug/L		09/09/15 08:08	09/10/15 23:36	1
Acenaphthylene	<0.019		0.19	0.019	ug/L		09/09/15 08:08	09/10/15 23:36	1
Alachlor	<0.19		0.19	0.19	ug/L		09/09/15 08:08	09/10/15 23:36	1
Anthracene	<0.022		0.19	0.022	ug/L		09/09/15 08:08	09/10/15 23:36	1
Atrazine	<0.29		0.29	0.29	ug/L		09/09/15 08:08	09/10/15 23:36	1
Benzo[a]anthracene	<0.019		0.097	0.019	ug/L		09/09/15 08:08	09/10/15 23:36	1
Benzo[a]pyrene	<0.097		0.097	0.097	ug/L		09/09/15 08:08	09/10/15 23:36	1

Client Sample ID: Site 6 E

Date Collected: 09/04/15 15:45
Date Received: 09/05/15 11:02

Lab Sample ID: 680-116473-14

Matrix: Water

Method: 525.2 - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	<0.021		0.097	0.021	ug/L		09/09/15 08:08	09/10/15 23:36	1
Benzo[g,h,i]perylene	<0.044		0.097	0.044	ug/L		09/09/15 08:08	09/10/15 23:36	1
Benzo[k]fluoranthene	<0.034		0.097	0.034	ug/L		09/09/15 08:08	09/10/15 23:36	1
Bis(2-ethylhexyl) phthalate	<1.7		1.9	1.7	ug/L		09/09/15 08:08	09/10/15 23:36	1
Chrysene	<0.019		0.19	0.019	ug/L		09/09/15 08:08	09/10/15 23:36	1
Di(2-ethylhexyl)adipate	**0.71**	**J**	1.5	0.58	ug/L		09/09/15 08:08	09/10/15 23:36	1
Dibenz(a,h)anthracene	<0.060		0.097	0.060	ug/L		09/09/15 08:08	09/10/15 23:36	1
Endrin	<0.097		0.49	0.097	ug/L		09/09/15 08:08	09/10/15 23:36	1
Fluoranthene	<0.019		0.19	0.019	ug/L		09/09/15 08:08	09/10/15 23:36	1
Fluorene	<0.019		0.19	0.019	ug/L		09/09/15 08:08	09/10/15 23:36	1
gamma-BHC (Lindane)	<0.097		0.19	0.097	ug/L		09/09/15 08:08	09/10/15 23:36	1
Heptachlor	<0.039		0.19	0.039	ug/L		09/09/15 08:08	09/10/15 23:36	1
Heptachlor epoxide	<0.019		0.39	0.019	ug/L		09/09/15 08:08	09/10/15 23:36	1
Hexachlorobenzene	<0.097		0.19	0.097	ug/L		09/09/15 08:08	09/10/15 23:36	1
Hexachlorocyclopentadiene	<0.49	*	1.9	0.49	ug/L		09/09/15 08:08	09/10/15 23:36	1
Indeno[1,2,3-cd]pyrene	<0.034		0.097	0.034	ug/L		09/09/15 08:08	09/10/15 23:36	1
Methoxychlor	<0.097		0.49	0.097	ug/L		09/09/15 08:08	09/10/15 23:36	1
Naphthalene	<0.019		0.19	0.019	ug/L		09/09/15 08:08	09/10/15 23:36	1
Phenanthrene	<0.019		0.19	0.019	ug/L		09/09/15 08:08	09/10/15 23:36	1
Pyrene	<0.019		0.19	0.019	ug/L		09/09/15 08:08	09/10/15 23:36	1
Simazine	<0.34		0.49	0.34	ug/L		09/09/15 08:08	09/10/15 23:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Nitro-m-xylene	*99*		*70 - 130*	*09/09/15 08:08*	*09/10/15 23:36*	*1*
Acenaphthene-d10 (Surr)	*77*		*70 - 130*	*09/09/15 08:08*	*09/10/15 23:36*	*1*
Chrysene-d12 (Surr)	*95*		*70 - 130*	*09/09/15 08:08*	*09/10/15 23:36*	*1*
Perylene-d12	*78*		*70 - 130*	*09/09/15 08:08*	*09/10/15 23:36*	*1*
Phenanthrene-d10 (Surr)	*83*		*70 - 130*	*09/09/15 08:08*	*09/10/15 23:36*	*1*
Triphenylphosphate	*100*		*70 - 130*	*09/09/15 08:08*	*09/10/15 23:36*	*1*

Client Sample ID: Site 6 L

Date Collected: 09/04/15 15:55
Date Received: 09/05/15 11:02

Lab Sample ID: 680-116473-15

Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.50		0.50	0.50	ug/L			09/10/15 16:22	1
Bromobenzene	<0.091		0.50	0.091	ug/L			09/10/15 16:22	1
Bromoform	<1.0		1.0	1.0	ug/L			09/10/15 16:22	1
Bromomethane	<0.20	*	1.0	0.20	ug/L			09/10/15 16:22	1
Carbon tetrachloride	<0.50		0.50	0.50	ug/L			09/10/15 16:22	1
Chlorobenzene	<0.50		0.50	0.50	ug/L			09/10/15 16:22	1
Chlorodibromomethane	**3.0**		1.0	1.0	ug/L			09/10/15 16:22	1
Chloroethane	<0.22		1.0	0.22	ug/L			09/10/15 16:22	1
Chloroform	**4.3**		1.0	1.0	ug/L			09/10/15 16:22	1
Chloromethane	<0.15		0.50	0.15	ug/L			09/10/15 16:22	1
2-Chlorotoluene	<0.11		0.50	0.11	ug/L			09/10/15 16:22	1
4-Chlorotoluene	<0.13		0.50	0.13	ug/L			09/10/15 16:22	1
cis-1,2-Dichloroethene	<0.50		0.50	0.50	ug/L			09/10/15 16:22	1
cis-1,3-Dichloropropene	<0.081		0.50	0.081	ug/L			09/10/15 16:22	1

Client Sample ID: Site 6 L

Date Collected: 09/04/15 15:55
Date Received: 09/05/15 11:02

Lab Sample ID: 680-116473-15

Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibromomethane	<0.16		0.50	0.16	ug/L			09/10/15 16:22	1
1,2-Dichlorobenzene	<0.50		0.50	0.50	ug/L			09/10/15 16:22	1
1,3-Dichlorobenzene	<0.50		0.50	0.50	ug/L			09/10/15 16:22	1
1,4-Dichlorobenzene	<0.50		0.50	0.50	ug/L			09/10/15 16:22	1
Dichlorobromomethane	**4.8**		1.0	1.0	ug/L			09/10/15 16:22	1
1,1-Dichloroethane	<0.50		0.50	0.50	ug/L			09/10/15 16:22	1
1,2-Dichloroethane	<0.50		0.50	0.50	ug/L			09/10/15 16:22	1
1,1-Dichloroethene	<0.50		0.50	0.50	ug/L			09/10/15 16:22	1
1,2-Dichloropropane	<0.50		0.50	0.50	ug/L			09/10/15 16:22	1
1,3-Dichloropropane	<0.10		0.50	0.10	ug/L			09/10/15 16:22	1
2,2-Dichloropropane	<0.20		0.50	0.20	ug/L			09/10/15 16:22	1
1,1-Dichloropropene	<0.095		0.50	0.095	ug/L			09/10/15 16:22	1
Ethylbenzene	<0.50		0.50	0.50	ug/L			09/10/15 16:22	1
Methylene Chloride	<0.50		0.50	0.50	ug/L			09/10/15 16:22	1
Methyl tert-butyl ether	<0.50		0.50	0.50	ug/L			09/10/15 16:22	1
m-Xylene & p-Xylene	<0.50		0.50	0.50	ug/L			09/10/15 16:22	1
o-Xylene	<0.50		0.50	0.50	ug/L			09/10/15 16:22	1
Styrene	<0.50		0.50	0.50	ug/L			09/10/15 16:22	1
1,1,1,2-Tetrachloroethane	<0.24		0.50	0.24	ug/L			09/10/15 16:22	1
1,1,2,2-Tetrachloroethane	<0.13		0.50	0.13	ug/L			09/10/15 16:22	1
Tetrachloroethene	<0.50		0.50	0.50	ug/L			09/10/15 16:22	1
Toluene	<0.50		0.50	0.50	ug/L			09/10/15 16:22	1
trans-1,2-Dichloroethene	<0.50		0.50	0.50	ug/L			09/10/15 16:22	1
trans-1,3-Dichloropropene	<0.11		0.50	0.11	ug/L			09/10/15 16:22	1
1,2,4-Trichlorobenzene	<0.50		0.50	0.50	ug/L			09/10/15 16:22	1
1,1,1-Trichloroethane	<0.50		0.50	0.50	ug/L			09/10/15 16:22	1
1,1,2-Trichloroethane	<0.50		0.50	0.50	ug/L			09/10/15 16:22	1
Trichloroethene	<0.50		0.50	0.50	ug/L			09/10/15 16:22	1
1,2,3-Trichloropropane	<0.17		0.50	0.17	ug/L			09/10/15 16:22	1
Vinyl chloride	<0.50		0.50	0.50	ug/L			09/10/15 16:22	1
Xylenes, Total	<0.50		0.50	0.50	ug/L			09/10/15 16:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*70 - 130*		*09/10/15 16:22*	*1*
1,2-Dichlorobenzene-d4 (Surr)	*96*		*70 - 130*		*09/10/15 16:22*	*1*

Method: 525.2 - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	<0.19		0.19	0.19	ug/L		09/09/15 08:08	09/11/15 00:04	1
Acenaphthene	<0.039		0.19	0.039	ug/L		09/09/15 08:08	09/11/15 00:04	1
Acenaphthylene	<0.019		0.19	0.019	ug/L		09/09/15 08:08	09/11/15 00:04	1
Alachlor	<0.19		0.19	0.19	ug/L		09/09/15 08:08	09/11/15 00:04	1
Anthracene	<0.022		0.19	0.022	ug/L		09/09/15 08:08	09/11/15 00:04	1
Atrazine	<0.29		0.29	0.29	ug/L		09/09/15 08:08	09/11/15 00:04	1
Benzo[a]anthracene	<0.019		0.097	0.019	ug/L		09/09/15 08:08	09/11/15 00:04	1
Benzo[a]pyrene	<0.097		0.097	0.097	ug/L		09/09/15 08:08	09/11/15 00:04	1
Benzo[b]fluoranthene	<0.021		0.097	0.021	ug/L		09/09/15 08:08	09/11/15 00:04	1
Benzo[g,h,i]perylene	<0.044		0.097	0.044	ug/L		09/09/15 08:08	09/11/15 00:04	1
Benzo[k]fluoranthene	<0.034		0.097	0.034	ug/L		09/09/15 08:08	09/11/15 00:04	1
Bis(2-ethylhexyl) phthalate	<1.7		1.9	1.7	ug/L		09/09/15 08:08	09/11/15 00:04	1

Client Sample ID: Site 6 L

Date Collected: 09/04/15 15:55
Date Received: 09/05/15 11:02

Lab Sample ID: 680-116473-15

Matrix: Water

Method: 525.2 - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chrysene	<0.019		0.19	0.019	ug/L		09/09/15 08:08	09/11/15 00:04	1
Di(2-ethylhexyl)adipate	<0.58		1.5	0.58	ug/L		09/09/15 08:08	09/11/15 00:04	1
Dibenz(a,h)anthracene	<0.060		0.097	0.060	ug/L		09/09/15 08:08	09/11/15 00:04	1
Endrin	<0.097		0.49	0.097	ug/L		09/09/15 08:08	09/11/15 00:04	1
Fluoranthene	<0.019		0.19	0.019	ug/L		09/09/15 08:08	09/11/15 00:04	1
Fluorene	<0.019		0.19	0.019	ug/L		09/09/15 08:08	09/11/15 00:04	1
gamma-BHC (Lindane)	<0.097		0.19	0.097	ug/L		09/09/15 08:08	09/11/15 00:04	1
Heptachlor	<0.039		0.19	0.039	ug/L		09/09/15 08:08	09/11/15 00:04	1
Heptachlor epoxide	<0.019		0.39	0.019	ug/L		09/09/15 08:08	09/11/15 00:04	1
Hexachlorobenzene	<0.097		0.19	0.097	ug/L		09/09/15 08:08	09/11/15 00:04	1
Hexachlorocyclopentadiene	<0.49	*	1.9	0.49	ug/L		09/09/15 08:08	09/11/15 00:04	1
Indeno[1,2,3-cd]pyrene	<0.034		0.097	0.034	ug/L		09/09/15 08:08	09/11/15 00:04	1
Methoxychlor	<0.097		0.49	0.097	ug/L		09/09/15 08:08	09/11/15 00:04	1
Naphthalene	<0.019		0.19	0.019	ug/L		09/09/15 08:08	09/11/15 00:04	1
Phenanthrene	<0.019		0.19	0.019	ug/L		09/09/15 08:08	09/11/15 00:04	1
Pyrene	<0.019		0.19	0.019	ug/L		09/09/15 08:08	09/11/15 00:04	1
Simazine	<0.34		0.49	0.34	ug/L		09/09/15 08:08	09/11/15 00:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Nitro-m-xylene	*97*		*70 - 130*	*09/09/15 08:08*	*09/11/15 00:04*	*1*
Acenaphthene-d10 (Surr)	*71*		*70 - 130*	*09/09/15 08:08*	*09/11/15 00:04*	*1*
Chrysene-d12 (Surr)	*89*		*70 - 130*	*09/09/15 08:08*	*09/11/15 00:04*	*1*
Perylene-d12	*94*		*70 - 130*	*09/09/15 08:08*	*09/11/15 00:04*	*1*
Phenanthrene-d10 (Surr)	*74*		*70 - 130*	*09/09/15 08:08*	*09/11/15 00:04*	*1*
Triphenylphosphate	*99*		*70 - 130*	*09/09/15 08:08*	*09/11/15 00:04*	*1*

Client Sample ID: Trip Blank

Date Collected: 09/04/15 00:00
Date Received: 09/05/15 11:02

Lab Sample ID: 680-116473-16

Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.50		0.50	0.50	ug/L			09/10/15 11:47	1
Bromobenzene	<0.091		0.50	0.091	ug/L			09/10/15 11:47	1
Bromoform	<1.0		1.0	1.0	ug/L			09/10/15 11:47	1
Bromomethane	<0.20	*	1.0	0.20	ug/L			09/10/15 11:47	1
Carbon tetrachloride	<0.50		0.50	0.50	ug/L			09/10/15 11:47	1
Chlorobenzene	<0.50		0.50	0.50	ug/L			09/10/15 11:47	1
Chlorodibromomethane	<1.0		1.0	1.0	ug/L			09/10/15 11:47	1
Chloroethane	<0.22		1.0	0.22	ug/L			09/10/15 11:47	1
Chloroform	<1.0		1.0	1.0	ug/L			09/10/15 11:47	1
Chloromethane	<0.15		0.50	0.15	ug/L			09/10/15 11:47	1
2-Chlorotoluene	<0.11		0.50	0.11	ug/L			09/10/15 11:47	1
4-Chlorotoluene	<0.13		0.50	0.13	ug/L			09/10/15 11:47	1
cis-1,2-Dichloroethene	<0.50		0.50	0.50	ug/L			09/10/15 11:47	1
cis-1,3-Dichloropropene	<0.081		0.50	0.081	ug/L			09/10/15 11:47	1
Dibromomethane	<0.16		0.50	0.16	ug/L			09/10/15 11:47	1
1,2-Dichlorobenzene	<0.50		0.50	0.50	ug/L			09/10/15 11:47	1
1,3-Dichlorobenzene	<0.50		0.50	0.50	ug/L			09/10/15 11:47	1
1,4-Dichlorobenzene	<0.50		0.50	0.50	ug/L			09/10/15 11:47	1

Client Sample ID: Trip Blank

Date Collected: 09/04/15 00:00
Date Received: 09/05/15 11:02

Lab Sample ID: 680-116473-16

Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorobromomethane	<1.0		1.0	1.0	ug/L			09/10/15 11:47	1
1,1-Dichloroethane	<0.50		0.50	0.50	ug/L			09/10/15 11:47	1
1,2-Dichloroethane	<0.50		0.50	0.50	ug/L			09/10/15 11:47	1
1,1-Dichloroethene	<0.50		0.50	0.50	ug/L			09/10/15 11:47	1
1,2-Dichloropropane	<0.50		0.50	0.50	ug/L			09/10/15 11:47	1
1,3-Dichloropropane	<0.10		0.50	0.10	ug/L			09/10/15 11:47	1
2,2-Dichloropropane	<0.20		0.50	0.20	ug/L			09/10/15 11:47	1
1,1-Dichloropropene	<0.095		0.50	0.095	ug/L			09/10/15 11:47	1
Ethylbenzene	<0.50		0.50	0.50	ug/L			09/10/15 11:47	1
Methylene Chloride	<0.50		0.50	0.50	ug/L			09/10/15 11:47	1
Methyl tert-butyl ether	<0.50		0.50	0.50	ug/L			09/10/15 11:47	1
m-Xylene & p-Xylene	<0.50		0.50	0.50	ug/L			09/10/15 11:47	1
o-Xylene	<0.50		0.50	0.50	ug/L			09/10/15 11:47	1
Styrene	<0.50		0.50	0.50	ug/L			09/10/15 11:47	1
1,1,1,2-Tetrachloroethane	<0.24		0.50	0.24	ug/L			09/10/15 11:47	1
1,1,2,2-Tetrachloroethane	<0.13		0.50	0.13	ug/L			09/10/15 11:47	1
Tetrachloroethene	<0.50		0.50	0.50	ug/L			09/10/15 11:47	1
Toluene	<0.50		0.50	0.50	ug/L			09/10/15 11:47	1
trans-1,2-Dichloroethene	<0.50		0.50	0.50	ug/L			09/10/15 11:47	1
trans-1,3-Dichloropropene	<0.11		0.50	0.11	ug/L			09/10/15 11:47	1
1,2,4-Trichlorobenzene	<0.50		0.50	0.50	ug/L			09/10/15 11:47	1
1,1,1-Trichloroethane	<0.50		0.50	0.50	ug/L			09/10/15 11:47	1
1,1,2-Trichloroethane	<0.50		0.50	0.50	ug/L			09/10/15 11:47	1
Trichloroethene	<0.50		0.50	0.50	ug/L			09/10/15 11:47	1
1,2,3-Trichloropropane	<0.17		0.50	0.17	ug/L			09/10/15 11:47	1
Vinyl chloride	<0.50		0.50	0.50	ug/L			09/10/15 11:47	1
Xylenes, Total	<0.50		0.50	0.50	ug/L			09/10/15 11:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*70 - 130*		*09/10/15 11:47*	*1*
1,2-Dichlorobenzene-d4 (Surr)	*97*		*70 - 130*		*09/10/15 11:47*	*1*

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 680-400271/9
Matrix: Water
Analysis Batch: 400271

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.50		0.50	0.50	ug/L			09/10/15 09:19	1
Bromobenzene	<0.091		0.50	0.091	ug/L			09/10/15 09:19	1
Bromoform	<1.0		1.0	1.0	ug/L			09/10/15 09:19	1
Bromomethane	<0.20		1.0	0.20	ug/L			09/10/15 09:19	1
Carbon tetrachloride	<0.50		0.50	0.50	ug/L			09/10/15 09:19	1
Chlorobenzene	<0.50		0.50	0.50	ug/L			09/10/15 09:19	1
Chlorodibromomethane	<1.0		1.0	1.0	ug/L			09/10/15 09:19	1
Chloroethane	<0.22		1.0	0.22	ug/L			09/10/15 09:19	1
Chloroform	<1.0		1.0	1.0	ug/L			09/10/15 09:19	1
Chloromethane	<0.15		0.50	0.15	ug/L			09/10/15 09:19	1
2-Chlorotoluene	<0.11		0.50	0.11	ug/L			09/10/15 09:19	1
4-Chlorotoluene	<0.13		0.50	0.13	ug/L			09/10/15 09:19	1
cis-1,2-Dichloroethene	<0.50		0.50	0.50	ug/L			09/10/15 09:19	1
cis-1,3-Dichloropropene	<0.081		0.50	0.081	ug/L			09/10/15 09:19	1
Dibromomethane	<0.16		0.50	0.16	ug/L			09/10/15 09:19	1
1,2-Dichlorobenzene	<0.50		0.50	0.50	ug/L			09/10/15 09:19	1
1,3-Dichlorobenzene	<0.50		0.50	0.50	ug/L			09/10/15 09:19	1
1,4-Dichlorobenzene	<0.50		0.50	0.50	ug/L			09/10/15 09:19	1
Dichlorobromomethane	<1.0		1.0	1.0	ug/L			09/10/15 09:19	1
1,1-Dichloroethane	<0.50		0.50	0.50	ug/L			09/10/15 09:19	1
1,2-Dichloroethane	<0.50		0.50	0.50	ug/L			09/10/15 09:19	1
1,1-Dichloroethene	<0.50		0.50	0.50	ug/L			09/10/15 09:19	1
1,2-Dichloropropane	<0.50		0.50	0.50	ug/L			09/10/15 09:19	1
1,3-Dichloropropane	<0.10		0.50	0.10	ug/L			09/10/15 09:19	1
2,2-Dichloropropane	<0.20		0.50	0.20	ug/L			09/10/15 09:19	1
1,1-Dichloropropene	<0.095		0.50	0.095	ug/L			09/10/15 09:19	1
Ethylbenzene	<0.50		0.50	0.50	ug/L			09/10/15 09:19	1
Methylene Chloride	<0.50		0.50	0.50	ug/L			09/10/15 09:19	1
Methyl tert-butyl ether	<0.50		0.50	0.50	ug/L			09/10/15 09:19	1
m-Xylene & p-Xylene	<0.50		0.50	0.50	ug/L			09/10/15 09:19	1
o-Xylene	<0.50		0.50	0.50	ug/L			09/10/15 09:19	1
Styrene	<0.50		0.50	0.50	ug/L			09/10/15 09:19	1
1,1,1,2-Tetrachloroethane	<0.24		0.50	0.24	ug/L			09/10/15 09:19	1
1,1,2,2-Tetrachloroethane	<0.13		0.50	0.13	ug/L			09/10/15 09:19	1
Tetrachloroethene	<0.50		0.50	0.50	ug/L			09/10/15 09:19	1
Toluene	<0.50		0.50	0.50	ug/L			09/10/15 09:19	1
trans-1,2-Dichloroethene	<0.50		0.50	0.50	ug/L			09/10/15 09:19	1
trans-1,3-Dichloropropene	<0.11		0.50	0.11	ug/L			09/10/15 09:19	1
1,2,4-Trichlorobenzene	<0.50		0.50	0.50	ug/L			09/10/15 09:19	1
1,1,1-Trichloroethane	<0.50		0.50	0.50	ug/L			09/10/15 09:19	1
1,1,2-Trichloroethane	<0.50		0.50	0.50	ug/L			09/10/15 09:19	1
Trichloroethene	<0.50		0.50	0.50	ug/L			09/10/15 09:19	1
1,2,3-Trichloropropane	<0.17		0.50	0.17	ug/L			09/10/15 09:19	1
Vinyl chloride	<0.50		0.50	0.50	ug/L			09/10/15 09:19	1
Xylenes, Total	<0.50		0.50	0.50	ug/L			09/10/15 09:19	1

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 680-400271/9
Matrix: Water
Analysis Batch: 400271

Client Sample ID: Method Blank
Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	*100*		*70 - 130*		*09/10/15 09:19*	*1*
1,2-Dichlorobenzene-d4 (Surr)	*98*		*70 - 130*		*09/10/15 09:19*	*1*

Lab Sample ID: LCS 680-400271/4
Matrix: Water
Analysis Batch: 400271

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	20.0	20.7		ug/L		104	70 - 130
Bromobenzene	20.0	19.5		ug/L		98	70 - 130
Bromoform	20.0	20.4		ug/L		102	70 - 130
Bromomethane	20.0	26.5	*	ug/L		133	70 - 130
Carbon tetrachloride	20.0	20.4		ug/L		102	70 - 130
Chlorobenzene	20.0	20.1		ug/L		100	70 - 130
Chlorodibromomethane	20.0	19.6		ug/L		98	70 - 130
Chloroethane	20.0	22.4		ug/L		112	70 - 130
Chloroform	20.0	20.0		ug/L		100	70 - 130
Chloromethane	20.0	24.0		ug/L		120	70 - 130
2-Chlorotoluene	20.0	20.0		ug/L		100	70 - 130
4-Chlorotoluene	20.0	19.9		ug/L		99	70 - 130
cis-1,2-Dichloroethene	20.0	20.4		ug/L		102	70 - 130
cis-1,3-Dichloropropene	20.0	20.9		ug/L		105	70 - 130
Dibromomethane	20.0	19.2		ug/L		96	70 - 130
1,2-Dichlorobenzene	20.0	18.9		ug/L		94	70 - 130
1,3-Dichlorobenzene	20.0	19.5		ug/L		98	70 - 130
1,4-Dichlorobenzene	20.0	19.6		ug/L		98	70 - 130
Dichlorobromomethane	20.0	19.9		ug/L		100	70 - 130
1,1-Dichloroethane	20.0	20.3		ug/L		101	70 - 130
1,2-Dichloroethane	20.0	19.3		ug/L		97	70 - 130
1,1-Dichloroethene	20.0	21.2		ug/L		106	70 - 130
1,2-Dichloropropane	20.0	20.8		ug/L		104	70 - 130
1,3-Dichloropropane	20.0	20.1		ug/L		100	70 - 130
2,2-Dichloropropane	20.0	21.1		ug/L		105	70 - 130
1,1-Dichloropropene	20.0	21.3		ug/L		107	70 - 130
Ethylbenzene	20.0	20.7		ug/L		103	70 - 130
Methylene Chloride	20.0	21.4		ug/L		107	70 - 130
Methyl tert-butyl ether	20.0	19.9		ug/L		100	70 - 130
m-Xylene & p-Xylene	20.0	20.3		ug/L		101	70 - 130
o-Xylene	20.0	20.5		ug/L		103	70 - 130
Styrene	20.0	20.8		ug/L		104	70 - 130
1,1,1,2-Tetrachloroethane	20.0	19.5		ug/L		97	70 - 130
1,1,2,2-Tetrachloroethane	20.0	19.7		ug/L		98	70 - 130
Tetrachloroethene	20.0	20.5		ug/L		103	70 - 130
Toluene	20.0	20.6		ug/L		103	70 - 130
trans-1,2-Dichloroethene	20.0	20.3		ug/L		102	70 - 130
trans-1,3-Dichloropropene	20.0	20.8		ug/L		104	70 - 130
1,2,4-Trichlorobenzene	20.0	20.1		ug/L		100	70 - 130
1,1,1-Trichloroethane	20.0	19.9		ug/L		100	70 - 130

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 680-400271/4
Matrix: Water
Analysis Batch: 400271

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
1,1,2-Trichloroethane			20.0	19.7		ug/L		99	70 - 130		
Trichloroethene			20.0	19.8		ug/L		99	70 - 130		
1,2,3-Trichloropropane			20.0	20.2		ug/L		101	70 - 130		
Vinyl chloride			20.0	22.0		ug/L		110	70 - 130		
Xylenes, Total			40.0	40.8		ug/L		102	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*101*		*70 - 130*
1,2-Dichlorobenzene-d4 (Surr)	*100*		*70 - 130*

Lab Sample ID: LCSD 680-400271/5
Matrix: Water
Analysis Batch: 400271

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			20.0	21.7		ug/L		109	70 - 130	5	30
Bromobenzene			20.0	20.8		ug/L		104	70 - 130	6	30
Bromoform			20.0	21.5		ug/L		107	70 - 130	5	30
Bromomethane			20.0	28.8	*	ug/L		144	70 - 130	8	30
Carbon tetrachloride			20.0	21.8		ug/L		109	70 - 130	7	30
Chlorobenzene			20.0	21.3		ug/L		107	70 - 130	6	30
Chlorodibromomethane			20.0	20.7		ug/L		103	70 - 130	5	30
Chloroethane			20.0	21.9		ug/L		110	70 - 130	2	30
Chloroform			20.0	21.1		ug/L		106	70 - 130	6	30
Chloromethane			20.0	22.3		ug/L		111	70 - 130	7	30
2-Chlorotoluene			20.0	21.4		ug/L		107	70 - 130	7	30
4-Chlorotoluene			20.0	21.3		ug/L		107	70 - 130	7	30
cis-1,2-Dichloroethene			20.0	21.7		ug/L		109	70 - 130	6	30
cis-1,3-Dichloropropene			20.0	22.1		ug/L		110	70 - 130	5	30
Dibromomethane			20.0	20.2		ug/L		101	70 - 130	5	30
1,2-Dichlorobenzene			20.0	20.9		ug/L		104	70 - 130	10	30
1,3-Dichlorobenzene			20.0	20.9		ug/L		105	70 - 130	7	30
1,4-Dichlorobenzene			20.0	21.3		ug/L		106	70 - 130	8	30
Dichlorobromomethane			20.0	21.0		ug/L		105	70 - 130	5	30
1,1-Dichloroethane			20.0	21.5		ug/L		108	70 - 130	6	30
1,2-Dichloroethane			20.0	20.4		ug/L		102	70 - 130	6	30
1,1-Dichloroethene			20.0	21.2		ug/L		106	70 - 130	0	30
1,2-Dichloropropane			20.0	22.0		ug/L		110	70 - 130	5	30
1,3-Dichloropropane			20.0	21.2		ug/L		106	70 - 130	6	30
2,2-Dichloropropane			20.0	22.1		ug/L		110	70 - 130	5	30
1,1-Dichloropropene			20.0	22.7		ug/L		113	70 - 130	6	30
Ethylbenzene			20.0	21.6		ug/L		108	70 - 130	4	30
Methylene Chloride			20.0	22.2		ug/L		111	70 - 130	4	30
Methyl tert-butyl ether			20.0	21.5		ug/L		108	70 - 130	8	30
m-Xylene & p-Xylene			20.0	21.7		ug/L		108	70 - 130	7	30
o-Xylene			20.0	21.5		ug/L		107	70 - 130	4	30
Styrene			20.0	21.6		ug/L		108	70 - 130	4	30
1,1,1,2-Tetrachloroethane			20.0	20.8		ug/L		104	70 - 130	6	30

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 680-400271/5
Matrix: Water
Analysis Batch: 400271

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,2,2-Tetrachloroethane			20.0	20.8		ug/L		104	70 - 130	6	30
Tetrachloroethene			20.0	21.5		ug/L		108	70 - 130	5	30
Toluene			20.0	21.7		ug/L		108	70 - 130	5	30
trans-1,2-Dichloroethene			20.0	21.5		ug/L		108	70 - 130	6	30
trans-1,3-Dichloropropene			20.0	21.9		ug/L		109	70 - 130	5	30
1,2,4-Trichlorobenzene			20.0	21.8		ug/L		109	70 - 130	8	30
1,1,1-Trichloroethane			20.0	21.4		ug/L		107	70 - 130	7	30
1,1,2-Trichloroethane			20.0	20.3		ug/L		102	70 - 130	3	30
Trichloroethene			20.0	21.5		ug/L		107	70 - 130	8	30
1,2,3-Trichloropropane			20.0	21.8		ug/L		109	70 - 130	7	30
Vinyl chloride			20.0	22.5		ug/L		112	70 - 130	2	30
Xylenes, Total			40.0	43.1		ug/L		108	70 - 130	5	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*102*		*70 - 130*
1,2-Dichlorobenzene-d4 (Surr)	*104*		*70 - 130*

Method: 525.2 - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 680-400045/20-A
Matrix: Water
Analysis Batch: 400293

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 400045

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	<0.20		0.20	0.20	ug/L		09/09/15 08:08	09/10/15 11:59	1
Acenaphthene	<0.040		0.20	0.040	ug/L		09/09/15 08:08	09/10/15 11:59	1
Acenaphthylene	<0.020		0.20	0.020	ug/L		09/09/15 08:08	09/10/15 11:59	1
Alachlor	<0.20		0.20	0.20	ug/L		09/09/15 08:08	09/10/15 11:59	1
Anthracene	<0.023		0.20	0.023	ug/L		09/09/15 08:08	09/10/15 11:59	1
Atrazine	<0.30		0.30	0.30	ug/L		09/09/15 08:08	09/10/15 11:59	1
Benzo[a]anthracene	<0.020		0.10	0.020	ug/L		09/09/15 08:08	09/10/15 11:59	1
Benzo[a]pyrene	<0.10		0.10	0.10	ug/L		09/09/15 08:08	09/10/15 11:59	1
Benzo[b]fluoranthene	<0.022		0.10	0.022	ug/L		09/09/15 08:08	09/10/15 11:59	1
Benzo[g,h,i]perylene	<0.045		0.10	0.045	ug/L		09/09/15 08:08	09/10/15 11:59	1
Benzo[k]fluoranthene	<0.035		0.10	0.035	ug/L		09/09/15 08:08	09/10/15 11:59	1
Bis(2-ethylhexyl) phthalate	<1.8		2.0	1.8	ug/L		09/09/15 08:08	09/10/15 11:59	1
Chrysene	<0.020		0.20	0.020	ug/L		09/09/15 08:08	09/10/15 11:59	1
Di(2-ethylhexyl)adipate	<0.60		1.5	0.60	ug/L		09/09/15 08:08	09/10/15 11:59	1
Dibenz(a,h)anthracene	<0.062		0.10	0.062	ug/L		09/09/15 08:08	09/10/15 11:59	1
Endrin	<0.10		0.50	0.10	ug/L		09/09/15 08:08	09/10/15 11:59	1
Fluoranthene	<0.020		0.20	0.020	ug/L		09/09/15 08:08	09/10/15 11:59	1
Fluorene	<0.020		0.20	0.020	ug/L		09/09/15 08:08	09/10/15 11:59	1
gamma-BHC (Lindane)	<0.10		0.20	0.10	ug/L		09/09/15 08:08	09/10/15 11:59	1
Heptachlor	<0.040		0.20	0.040	ug/L		09/09/15 08:08	09/10/15 11:59	1
Heptachlor epoxide	<0.020		0.40	0.020	ug/L		09/09/15 08:08	09/10/15 11:59	1
Hexachlorobenzene	<0.10		0.20	0.10	ug/L		09/09/15 08:08	09/10/15 11:59	1
Hexachlorocyclopentadiene	<0.50		2.0	0.50	ug/L		09/09/15 08:08	09/10/15 11:59	1
Indeno[1,2,3-cd]pyrene	<0.035		0.10	0.035	ug/L		09/09/15 08:08	09/10/15 11:59	1

Method: 525.2 - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 680-400045/20-A
Matrix: Water
Analysis Batch: 400293

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 400045

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methoxychlor	<0.10		0.50	0.10	ug/L		09/09/15 08:08	09/10/15 11:59	1
Naphthalene	<0.020		0.20	0.020	ug/L		09/09/15 08:08	09/10/15 11:59	1
Phenanthrene	<0.020		0.20	0.020	ug/L		09/09/15 08:08	09/10/15 11:59	1
Pyrene	<0.020		0.20	0.020	ug/L		09/09/15 08:08	09/10/15 11:59	1
Simazine	<0.35		0.50	0.35	ug/L		09/09/15 08:08	09/10/15 11:59	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Nitro-m-xylene	*92*		*70 - 130*	*09/09/15 08:08*	*09/10/15 11:59*	*1*
Acenaphthene-d10 (Surr)	*85*		*70 - 130*	*09/09/15 08:08*	*09/10/15 11:59*	*1*
Chrysene-d12 (Surr)	*106*		*70 - 130*	*09/09/15 08:08*	*09/10/15 11:59*	*1*
Perylene-d12	*91*		*70 - 130*	*09/09/15 08:08*	*09/10/15 11:59*	*1*
Phenanthrene-d10 (Surr)	*90*		*70 - 130*	*09/09/15 08:08*	*09/10/15 11:59*	*1*
Triphenylphosphate	*96*		*70 - 130*	*09/09/15 08:08*	*09/10/15 11:59*	*1*

Lab Sample ID: LCS 680-400045/21-A
Matrix: Water
Analysis Batch: 400293

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 400045

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Methylnaphthalene	5.00	4.44		ug/L		89	70 - 130
Acenaphthene	5.00	4.73		ug/L		95	70 - 130
Acenaphthylene	5.00	4.81		ug/L		96	70 - 130
Alachlor	5.00	4.98		ug/L		100	70 - 130
Anthracene	5.00	4.71		ug/L		94	70 - 130
Atrazine	5.00	4.86		ug/L		97	70 - 130
Benzo[a]anthracene	5.00	4.68		ug/L		94	70 - 130
Benzo[a]pyrene	5.00	4.58		ug/L		92	70 - 130
Benzo[b]fluoranthene	5.00	4.65		ug/L		93	70 - 130
Benzo[g,h,i]perylene	5.00	4.52		ug/L		90	70 - 130
Benzo[k]fluoranthene	5.00	4.76		ug/L		95	70 - 130
Bis(2-ethylhexyl) phthalate	5.00	4.88		ug/L		98	70 - 130
Chrysene	5.00	4.73		ug/L		95	70 - 130
Di(2-ethylhexyl)adipate	5.00	4.91		ug/L		98	70 - 130
Dibenz(a,h)anthracene	5.00	4.68		ug/L		94	70 - 130
Endrin	5.00	4.45		ug/L		89	70 - 130
Fluoranthene	5.00	5.37		ug/L		107	70 - 130
Fluorene	5.00	5.03		ug/L		101	70 - 130
gamma-BHC (Lindane)	5.00	4.42		ug/L		88	70 - 130
Heptachlor	5.00	4.37		ug/L		87	70 - 130
Heptachlor epoxide	5.00	4.67		ug/L		93	70 - 130
Hexachlorobenzene	5.00	4.36		ug/L		87	70 - 130
Hexachlorocyclopentadiene	5.00	3.42	*	ug/L		68	70 - 130
Indeno[1,2,3-cd]pyrene	5.00	4.55		ug/L		91	70 - 130
Methoxychlor	5.00	4.66		ug/L		93	70 - 130
Naphthalene	5.00	4.46		ug/L		89	70 - 130
Phenanthrene	5.00	4.64		ug/L		93	70 - 130
Pyrene	5.00	5.05		ug/L		101	70 - 130
Simazine	5.00	5.01		ug/L		100	70 - 130

Method: 525.2 - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 680-400045/21-A
Matrix: Water
Analysis Batch: 400293

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 400045

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Nitro-m-xylene	97		70 - 130
Acenaphthene-d10 (Surr)	80	*	70 - 130
Chrysene-d12 (Surr)	96	*	70 - 130
Perylene-d12	97		70 - 130
Phenanthrene-d10 (Surr)	86	*	70 - 130
Triphenylphosphate	100		70 - 130

Lab Sample ID: LLCS 680-400045/22-A
Matrix: Water
Analysis Batch: 400293

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 400045

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Methylnaphthalene	0.200	<0.20		ug/L		65	50 - 150
Acenaphthene	0.200	0.193	J	ug/L		97	50 - 150
Acenaphthylene	0.200	0.221		ug/L		110	50 - 150
Alachlor	0.200	0.209		ug/L		104	50 - 150
Anthracene	0.200	0.200		ug/L		100	50 - 150
Atrazine	0.200	<0.30		ug/L		110	50 - 150
Benzo[a]anthracene	0.200	0.198		ug/L		99	50 - 150
Benzo[a]pyrene	0.200	0.174		ug/L		87	50 - 150
Benzo[b]fluoranthene	0.200	0.186		ug/L		93	50 - 150
Benzo[g,h,i]perylene	0.200	0.174		ug/L		87	50 - 150
Benzo[k]fluoranthene	0.200	0.187		ug/L		93	50 - 150
Bis(2-ethylhexyl) phthalate	2.00	2.23		ug/L		111	50 - 150
Chrysene	0.200	0.195	J	ug/L		97	50 - 150
Di(2-ethylhexyl)adipate	1.50	1.47	J	ug/L		98	50 - 150
Dibenz(a,h)anthracene	0.200	0.154		ug/L		77	50 - 150
Endrin	0.500	0.466	J	ug/L		93	50 - 150
Fluoranthene	0.200	0.230		ug/L		115	50 - 150
Fluorene	0.200	0.210		ug/L		105	50 - 150
gamma-BHC (Lindane)	0.200	0.183	J	ug/L		91	50 - 150
Heptachlor	0.200	0.217		ug/L		108	50 - 150
Heptachlor epoxide	0.200	0.257	J	ug/L		129	50 - 150
Hexachlorobenzene	0.200	0.194	J	ug/L		97	50 - 150
Hexachlorocyclopentadiene	2.00	1.52	J	ug/L		76	50 - 150
Indeno[1,2,3-cd]pyrene	0.200	0.156		ug/L		78	50 - 150
Methoxychlor	0.500	0.477	J	ug/L		95	50 - 150
Naphthalene	0.200	0.135	J	ug/L		68	50 - 150
Phenanthrene	0.200	0.201		ug/L		101	50 - 150
Pyrene	0.200	0.103	J	ug/L		52	50 - 150
Simazine	0.500	0.435	J	ug/L		87	50 - 150

Surrogate	LLCS %Recovery	LLCS Qualifier	Limits
2-Nitro-m-xylene	96		70 - 130
Acenaphthene-d10 (Surr)	82		70 - 130
Chrysene-d12 (Surr)	94		70 - 130
Perylene-d12	88		70 - 130

Method: 525.2 - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LLCS 680-400045/22-A
Matrix: Water
Analysis Batch: 400293

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 400045

Surrogate	LLCS %Recovery	LLCS Qualifier	Limits
Phenanthrene-d10 (Surr)	*89*		*70 - 130*
Triphenylphosphate	*99*		*70 - 130*

Lab Sample ID: MB 680-400839/4-A
Matrix: Water
Analysis Batch: 401227

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 400839

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	<0.20		0.20	0.20	ug/L		09/14/15 07:31	09/16/15 11:16	1
Acenaphthene	<0.040		0.20	0.040	ug/L		09/14/15 07:31	09/16/15 11:16	1
Acenaphthylene	<0.020		0.20	0.020	ug/L		09/14/15 07:31	09/16/15 11:16	1
Alachlor	<0.20		0.20	0.20	ug/L		09/14/15 07:31	09/16/15 11:16	1
Anthracene	<0.023		0.20	0.023	ug/L		09/14/15 07:31	09/16/15 11:16	1
Atrazine	<0.30		0.30	0.30	ug/L		09/14/15 07:31	09/16/15 11:16	1
Benzo[a]anthracene	<0.020		0.10	0.020	ug/L		09/14/15 07:31	09/16/15 11:16	1
Benzo[a]pyrene	<0.10		0.10	0.10	ug/L		09/14/15 07:31	09/16/15 11:16	1
Benzo[b]fluoranthene	<0.022		0.10	0.022	ug/L		09/14/15 07:31	09/16/15 11:16	1
Benzo[g,h,i]perylene	<0.045		0.10	0.045	ug/L		09/14/15 07:31	09/16/15 11:16	1
Benzo[k]fluoranthene	<0.035		0.10	0.035	ug/L		09/14/15 07:31	09/16/15 11:16	1
Bis(2-ethylhexyl) phthalate	<1.8		2.0	1.8	ug/L		09/14/15 07:31	09/16/15 11:16	1
Chrysene	<0.020		0.20	0.020	ug/L		09/14/15 07:31	09/16/15 11:16	1
Di(2-ethylhexyl)adipate	<0.60		1.5	0.60	ug/L		09/14/15 07:31	09/16/15 11:16	1
Dibenz(a,h)anthracene	<0.062		0.10	0.062	ug/L		09/14/15 07:31	09/16/15 11:16	1
Endrin	<0.10		0.50	0.10	ug/L		09/14/15 07:31	09/16/15 11:16	1
Fluoranthene	<0.020		0.20	0.020	ug/L		09/14/15 07:31	09/16/15 11:16	1
Fluorene	<0.020		0.20	0.020	ug/L		09/14/15 07:31	09/16/15 11:16	1
gamma-BHC (Lindane)	<0.10		0.20	0.10	ug/L		09/14/15 07:31	09/16/15 11:16	1
Heptachlor	<0.040		0.20	0.040	ug/L		09/14/15 07:31	09/16/15 11:16	1
Heptachlor epoxide	<0.020		0.40	0.020	ug/L		09/14/15 07:31	09/16/15 11:16	1
Hexachlorobenzene	<0.10		0.20	0.10	ug/L		09/14/15 07:31	09/16/15 11:16	1
Hexachlorocyclopentadiene	<0.50		2.0	0.50	ug/L		09/14/15 07:31	09/16/15 11:16	1
Indeno[1,2,3-cd]pyrene	<0.035		0.10	0.035	ug/L		09/14/15 07:31	09/16/15 11:16	1
Methoxychlor	<0.10		0.50	0.10	ug/L		09/14/15 07:31	09/16/15 11:16	1
Naphthalene	<0.020		0.20	0.020	ug/L		09/14/15 07:31	09/16/15 11:16	1
Phenanthrene	<0.020		0.20	0.020	ug/L		09/14/15 07:31	09/16/15 11:16	1
Pyrene	<0.020		0.20	0.020	ug/L		09/14/15 07:31	09/16/15 11:16	1
Simazine	<0.35		0.50	0.35	ug/L		09/14/15 07:31	09/16/15 11:16	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Nitro-m-xylene	*93*		*70 - 130*	*09/14/15 07:31*	*09/16/15 11:16*	*1*
Acenaphthene-d10 (Surr)	*86*		*70 - 130*	*09/14/15 07:31*	*09/16/15 11:16*	*1*
Chrysene-d12 (Surr)	*102*		*70 - 130*	*09/14/15 07:31*	*09/16/15 11:16*	*1*
Perylene-d12	*101*		*70 - 130*	*09/14/15 07:31*	*09/16/15 11:16*	*1*
Phenanthrene-d10 (Surr)	*91*		*70 - 130*	*09/14/15 07:31*	*09/16/15 11:16*	*1*
Triphenylphosphate	*109*		*70 - 130*	*09/14/15 07:31*	*09/16/15 11:16*	*1*

Method: 525.2 - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 680-400839/5-A
Matrix: Water
Analysis Batch: 401227

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 400839

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	<0.10		0.10	0.10	ug/L		09/14/15 07:31	09/16/15 11:43	1
Acenaphthene	<0.020		0.10	0.020	ug/L		09/14/15 07:31	09/16/15 11:43	1
Acenaphthylene	<0.010		0.10	0.010	ug/L		09/14/15 07:31	09/16/15 11:43	1
Alachlor	<0.10		0.10	0.10	ug/L		09/14/15 07:31	09/16/15 11:43	1
Anthracene	<0.012		0.10	0.012	ug/L		09/14/15 07:31	09/16/15 11:43	1
Atrazine	<0.15		0.15	0.15	ug/L		09/14/15 07:31	09/16/15 11:43	1
Benzo[a]anthracene	<0.010		0.050	0.010	ug/L		09/14/15 07:31	09/16/15 11:43	1
Benzo[a]pyrene	<0.050		0.050	0.050	ug/L		09/14/15 07:31	09/16/15 11:43	1
Benzo[b]fluoranthene	<0.011		0.050	0.011	ug/L		09/14/15 07:31	09/16/15 11:43	1
Benzo[g,h,i]perylene	<0.023		0.050	0.023	ug/L		09/14/15 07:31	09/16/15 11:43	1
Benzo[k]fluoranthene	<0.018		0.050	0.018	ug/L		09/14/15 07:31	09/16/15 11:43	1
Bis(2-ethylhexyl) phthalate	<0.90		1.0	0.90	ug/L		09/14/15 07:31	09/16/15 11:43	1
Chrysene	<0.010		0.10	0.010	ug/L		09/14/15 07:31	09/16/15 11:43	1
Di(2-ethylhexyl)adipate	<0.30		0.75	0.30	ug/L		09/14/15 07:31	09/16/15 11:43	1
Dibenz(a,h)anthracene	<0.031		0.050	0.031	ug/L		09/14/15 07:31	09/16/15 11:43	1
Endrin	<0.050		0.25	0.050	ug/L		09/14/15 07:31	09/16/15 11:43	1
Fluoranthene	<0.010		0.10	0.010	ug/L		09/14/15 07:31	09/16/15 11:43	1
Fluorene	<0.010		0.10	0.010	ug/L		09/14/15 07:31	09/16/15 11:43	1
gamma-BHC (Lindane)	<0.050		0.10	0.050	ug/L		09/14/15 07:31	09/16/15 11:43	1
Heptachlor	<0.020		0.10	0.020	ug/L		09/14/15 07:31	09/16/15 11:43	1
Heptachlor epoxide	<0.010		0.20	0.010	ug/L		09/14/15 07:31	09/16/15 11:43	1
Hexachlorobenzene	<0.050		0.10	0.050	ug/L		09/14/15 07:31	09/16/15 11:43	1
Hexachlorocyclopentadiene	<0.25		1.0	0.25	ug/L		09/14/15 07:31	09/16/15 11:43	1
Indeno[1,2,3-cd]pyrene	<0.018		0.050	0.018	ug/L		09/14/15 07:31	09/16/15 11:43	1
Methoxychlor	<0.050		0.25	0.050	ug/L		09/14/15 07:31	09/16/15 11:43	1
Naphthalene	<0.010		0.10	0.010	ug/L		09/14/15 07:31	09/16/15 11:43	1
Phenanthrene	<0.010		0.10	0.010	ug/L		09/14/15 07:31	09/16/15 11:43	1
Pyrene	<0.010		0.10	0.010	ug/L		09/14/15 07:31	09/16/15 11:43	1
Simazine	<0.18		0.25	0.18	ug/L		09/14/15 07:31	09/16/15 11:43	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Nitro-m-xylene	*97*		*70 - 130*	*09/14/15 07:31*	*09/16/15 11:43*	*1*
Acenaphthene-d10 (Surr)	*77*		*70 - 130*	*09/14/15 07:31*	*09/16/15 11:43*	*1*
Chrysene-d12 (Surr)	*90*		*70 - 130*	*09/14/15 07:31*	*09/16/15 11:43*	*1*
Perylene-d12	*98*		*70 - 130*	*09/14/15 07:31*	*09/16/15 11:43*	*1*
Phenanthrene-d10 (Surr)	*83*		*70 - 130*	*09/14/15 07:31*	*09/16/15 11:43*	*1*
Triphenylphosphate	*112*		*70 - 130*	*09/14/15 07:31*	*09/16/15 11:43*	*1*

Lab Sample ID: LCS 680-400839/6-A
Matrix: Water
Analysis Batch: 401227

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 400839

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Methylnaphthalene	5.00	3.85		ug/L		77	70 - 130
Acenaphthene	5.00	4.50		ug/L		90	70 - 130
Acenaphthylene	5.00	4.68		ug/L		94	70 - 130
Alachlor	5.00	4.96		ug/L		99	70 - 130
Anthracene	5.00	4.56		ug/L		91	70 - 130

Method: 525.2 - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 680-400839/6-A
Matrix: Water
Analysis Batch: 401227

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 400839

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Atrazine	5.00	4.93		ug/L		99	70 - 130
Benzo[a]anthracene	5.00	4.50		ug/L		90	70 - 130
Benzo[a]pyrene	5.00	4.89		ug/L		98	70 - 130
Benzo[b]fluoranthene	5.00	4.85		ug/L		97	70 - 130
Benzo[g,h,i]perylene	5.00	5.15		ug/L		103	70 - 130
Benzo[k]fluoranthene	5.00	5.07		ug/L		101	70 - 130
Bis(2-ethylhexyl) phthalate	5.00	4.73		ug/L		95	70 - 130
Chrysene	5.00	4.50		ug/L		90	70 - 130
Di(2-ethylhexyl)adipate	5.00	4.44		ug/L		89	70 - 130
Dibenz(a,h)anthracene	5.00	5.37		ug/L		107	70 - 130
Endrin	5.00	4.52		ug/L		90	70 - 130
Fluoranthene	5.00	5.46		ug/L		109	70 - 130
Fluorene	5.00	4.92		ug/L		98	70 - 130
gamma-BHC (Lindane)	5.00	4.28		ug/L		86	70 - 130
Heptachlor	5.00	4.01		ug/L		80	70 - 130
Heptachlor epoxide	5.00	4.20		ug/L		84	70 - 130
Hexachlorobenzene	5.00	4.79		ug/L		96	70 - 130
Hexachlorocyclopentadiene	5.00	3.77		ug/L		75	70 - 130
Indeno[1,2,3-cd]pyrene	5.00	5.21		ug/L		104	70 - 130
Methoxychlor	5.00	4.64		ug/L		93	70 - 130
Naphthalene	5.00	4.16		ug/L		83	70 - 130
Phenanthrene	5.00	4.46		ug/L		89	70 - 130
Pyrene	5.00	4.83		ug/L		97	70 - 130
Simazine	5.00	5.02		ug/L		100	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Nitro-m-xylene	*97*		*70 - 130*
Acenaphthene-d10 (Surr)	*78*		*70 - 130*
Chrysene-d12 (Surr)	*97*		*70 - 130*
Perylene-d12	*107*		*70 - 130*
Phenanthrene-d10 (Surr)	*86*		*70 - 130*
Triphenylphosphate	*110*		*70 - 130*

Lab Sample ID: LCSD 680-400839/8-A
Matrix: Water
Analysis Batch: 401227

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 400839

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2-Methylnaphthalene	5.00	3.84		ug/L		77	70 - 130	0	30
Acenaphthene	5.00	4.46		ug/L		89	70 - 130	1	30
Acenaphthylene	5.00	4.60		ug/L		92	70 - 130	2	30
Alachlor	5.00	5.02		ug/L		100	70 - 130	1	30
Anthracene	5.00	4.44		ug/L		89	70 - 130	3	30
Atrazine	5.00	4.92		ug/L		98	70 - 130	0	30
Benzo[a]anthracene	5.00	4.38		ug/L		88	70 - 130	3	30
Benzo[a]pyrene	5.00	4.73		ug/L		95	70 - 130	3	30
Benzo[b]fluoranthene	5.00	4.93		ug/L		99	70 - 130	2	30
Benzo[g,h,i]perylene	5.00	4.93		ug/L		99	70 - 130	4	30

Method: 525.2 - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 680-400839/8-A
Matrix: Water
Analysis Batch: 401227

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 400839

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzo[k]fluoranthene			5.00	5.11		ug/L		102	70 - 130	1	30
Bis(2-ethylhexyl) phthalate			5.00	4.65		ug/L		93	70 - 130	2	30
Chrysene			5.00	4.40		ug/L		88	70 - 130	2	30
Di(2-ethylhexyl)adipate			5.00	4.26		ug/L		85	70 - 130	4	30
Dibenz(a,h)anthracene			5.00	5.24		ug/L		105	70 - 130	2	30
Endrin			5.00	4.53		ug/L		91	70 - 130	0	30
Fluoranthene			5.00	5.23		ug/L		105	70 - 130	4	30
Fluorene			5.00	4.80		ug/L		96	70 - 130	3	30
gamma-BHC (Lindane)			5.00	4.37		ug/L		87	70 - 130	2	30
Heptachlor			5.00	3.87		ug/L		77	70 - 130	4	30
Heptachlor epoxide			5.00	4.13		ug/L		83	70 - 130	2	30
Hexachlorobenzene			5.00	4.67		ug/L		93	70 - 130	3	30
Hexachlorocyclopentadiene			5.00	3.36	*	ug/L		67	70 - 130	12	30
Indeno[1,2,3-cd]pyrene			5.00	4.98		ug/L		100	70 - 130	4	30
Methoxychlor			5.00	4.69		ug/L		94	70 - 130	1	30
Naphthalene			5.00	4.16		ug/L		83	70 - 130	0	30
Phenanthrene			5.00	4.37		ug/L		87	70 - 130	2	30
Pyrene			5.00	4.83		ug/L		97	70 - 130	0	30
Simazine			5.00	5.08		ug/L		102	70 - 130	1	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Nitro-m-xylene	*102*		*70 - 130*
Acenaphthene-d10 (Surr)	*77*		*70 - 130*
Chrysene-d12 (Surr)	*94*		*70 - 130*
Perylene-d12	*108*		*70 - 130*
Phenanthrene-d10 (Surr)	*83*		*70 - 130*
Triphenylphosphate	*113*		*70 - 130*

Lab Sample ID: LLCS 680-400839/7-A
Matrix: Water
Analysis Batch: 401227

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 400839

Analyte			Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec. Limits		
2-Methylnaphthalene			0.200	<0.20		ug/L		57	50 - 150		
Acenaphthene			0.200	0.159	J	ug/L		80	50 - 150		
Acenaphthylene			0.200	0.201		ug/L		101	50 - 150		
Alachlor			0.200	<0.20		ug/L		99	50 - 150		
Anthracene			0.200	0.184	J	ug/L		92	50 - 150		
Atrazine			0.200	<0.30		ug/L		112	50 - 150		
Benzo[a]anthracene			0.200	0.190		ug/L		95	50 - 150		
Benzo[a]pyrene			0.200	0.175		ug/L		88	50 - 150		
Benzo[b]fluoranthene			0.200	0.175		ug/L		87	50 - 150		
Benzo[g,h,i]perylene			0.200	0.173		ug/L		87	50 - 150		
Benzo[k]fluoranthene			0.200	0.191		ug/L		96	50 - 150		
Bis(2-ethylhexyl) phthalate			2.00	2.02		ug/L		101	50 - 150		
Chrysene			0.200	0.175	J	ug/L		87	50 - 150		
Di(2-ethylhexyl)adipate			1.50	1.64		ug/L		109	50 - 150		
Dibenz(a,h)anthracene			0.200	0.152		ug/L		76	50 - 150		

Method: 525.2 - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LLCS 680-400839/7-A
Matrix: Water
Analysis Batch: 401227

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 400839

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Endrin	0.500	0.423	J	ug/L		85	50 - 150
Fluoranthene	0.200	0.216		ug/L		108	50 - 150
Fluorene	0.200	0.188	J	ug/L		94	50 - 150
gamma-BHC (Lindane)	0.200	0.176	J	ug/L		88	50 - 150
Heptachlor	0.200	0.203		ug/L		101	50 - 150
Heptachlor epoxide	0.200	0.221	J	ug/L		110	50 - 150
Hexachlorobenzene	0.200	0.195	J	ug/L		97	50 - 150
Hexachlorocyclopentadiene	2.00	1.46	J	ug/L		73	50 - 150
Indeno[1,2,3-cd]pyrene	0.200	0.162		ug/L		81	50 - 150
Methoxychlor	0.500	0.460	J	ug/L		92	50 - 150
Naphthalene	0.200	0.171	J	ug/L		86	50 - 150
Phenanthrene	0.200	0.184	J	ug/L		92	50 - 150
Pyrene	0.200	0.177	J	ug/L		89	50 - 150
Simazine	0.500	0.414	J	ug/L		83	50 - 150

Surrogate	*LLCS %Recovery*	*LLCS Qualifier*	*Limits*
2-Nitro-m-xylene	*96*		*70 - 130*
Acenaphthene-d10 (Surr)	*83*		*70 - 130*
Chrysene-d12 (Surr)	*96*		*70 - 130*
Perylene-d12	*102*		*70 - 130*
Phenanthrene-d10 (Surr)	*88*		*70 - 130*
Triphenylphosphate	*109*		*70 - 130*

GC/MS VOA

Analysis Batch: 400271

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-116473-1	Site 2 E	Total/NA	Water	524.2	
680-116473-2	Site 2 L	Total/NA	Water	524.2	
680-116473-3	Field Blank Site 2	Total/NA	Water	524.2	
680-116473-4	Site 5 E	Total/NA	Water	524.2	
680-116473-5	Site 5 L	Total/NA	Water	524.2	
680-116473-6	Field Blank Site 5	Total/NA	Water	524.2	
680-116473-7	Site 1 E	Total/NA	Water	524.2	
680-116473-8	Site 1 L	Total/NA	Water	524.2	
680-116473-9	Site 3 E	Total/NA	Water	524.2	
680-116473-10	Site 3 L	Total/NA	Water	524.2	
680-116473-11	Site 4 E	Total/NA	Water	524.2	
680-116473-12	Site 4 L	Total/NA	Water	524.2	
680-116473-13	Field Blank Site 4	Total/NA	Water	524.2	
680-116473-14	Site 6 E	Total/NA	Water	524.2	
680-116473-15	Site 6 L	Total/NA	Water	524.2	
680-116473-16	Trip Blank	Total/NA	Water	524.2	
LCS 680-400271/4	Lab Control Sample	Total/NA	Water	524.2	
LCSD 680-400271/5	Lab Control Sample Dup	Total/NA	Water	524.2	
MB 680-400271/9	Method Blank	Total/NA	Water	524.2	

GC/MS Semi VOA

Prep Batch: 400045

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-116473-1	Site 2 E	Total/NA	Water	525.2	
680-116473-2	Site 2 L	Total/NA	Water	525.2	
680-116473-3	Field Blank Site 2	Total/NA	Water	525.2	
680-116473-4	Site 5 E	Total/NA	Water	525.2	
680-116473-5	Site 5 L	Total/NA	Water	525.2	
680-116473-6	Field Blank Site 5	Total/NA	Water	525.2	
680-116473-8	Site 1 L	Total/NA	Water	525.2	
680-116473-9	Site 3 E	Total/NA	Water	525.2	
680-116473-10	Site 3 L	Total/NA	Water	525.2	
680-116473-11	Site 4 E	Total/NA	Water	525.2	
680-116473-12	Site 4 L	Total/NA	Water	525.2	
680-116473-13	Field Blank Site 4	Total/NA	Water	525.2	
680-116473-14	Site 6 E	Total/NA	Water	525.2	
680-116473-15	Site 6 L	Total/NA	Water	525.2	
LCS 680-400045/21-A	Lab Control Sample	Total/NA	Water	525.2	
LLCS 680-400045/22-A	Lab Control Sample	Total/NA	Water	525.2	
MB 680-400045/20-A	Method Blank	Total/NA	Water	525.2	

Analysis Batch: 400292

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-116473-9	Site 3 E	Total/NA	Water	525.2	400045
680-116473-10	Site 3 L	Total/NA	Water	525.2	400045
680-116473-11	Site 4 E	Total/NA	Water	525.2	400045
680-116473-12	Site 4 L	Total/NA	Water	525.2	400045
680-116473-13	Field Blank Site 4	Total/NA	Water	525.2	400045
680-116473-14	Site 6 E	Total/NA	Water	525.2	400045

GC/MS Semi VOA (Continued)

Analysis Batch: 400292 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-116473-15	Site 6 L	Total/NA	Water	525.2	400045

Analysis Batch: 400293

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-116473-1	Site 2 E	Total/NA	Water	525.2	400045
680-116473-2	Site 2 L	Total/NA	Water	525.2	400045
680-116473-3	Field Blank Site 2	Total/NA	Water	525.2	400045
680-116473-4	Site 5 E	Total/NA	Water	525.2	400045
680-116473-5	Site 5 L	Total/NA	Water	525.2	400045
680-116473-6	Field Blank Site 5	Total/NA	Water	525.2	400045
680-116473-8	Site 1 L	Total/NA	Water	525.2	400045
LCS 680-400045/21-A	Lab Control Sample	Total/NA	Water	525.2	400045
LLCS 680-400045/22-A	Lab Control Sample	Total/NA	Water	525.2	400045
MB 680-400045/20-A	Method Blank	Total/NA	Water	525.2	400045

Prep Batch: 400839

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-116473-7	Site 1 E	Total/NA	Water	525.2	
LCS 680-400839/6-A	Lab Control Sample	Total/NA	Water	525.2	
LCSD 680-400839/8-A	Lab Control Sample Dup	Total/NA	Water	525.2	
LLCS 680-400839/7-A	Lab Control Sample	Total/NA	Water	525.2	
MB 680-400839/4-A	Method Blank	Total/NA	Water	525.2	
MB 680-400839/5-A	Method Blank	Total/NA	Water	525.2	

Analysis Batch: 401227

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-116473-7	Site 1 E	Total/NA	Water	525.2	400839
LCS 680-400839/6-A	Lab Control Sample	Total/NA	Water	525.2	400839
LCSD 680-400839/8-A	Lab Control Sample Dup	Total/NA	Water	525.2	400839
LLCS 680-400839/7-A	Lab Control Sample	Total/NA	Water	525.2	400839
MB 680-400839/4-A	Method Blank	Total/NA	Water	525.2	400839
MB 680-400839/5-A	Method Blank	Total/NA	Water	525.2	400839

Lab Chronicle

Client: SCS Engineers
Project/Site: James Park - 25214107

TestAmerica Job ID: 680-116473-1
SDG: Residential Well Sampling

Client Sample ID: Site 2 E

Date Collected: 09/04/15 11:25
Date Received: 09/05/15 11:02

Lab Sample ID: 680-116473-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	5 mL	5 mL	400271	09/10/15 12:29	JLK	TAL SAV
	Instrument ID: CMSO2									
Total/NA	Prep	525.2			1041.1 mL	1 mL	400045	09/09/15 08:08	CMV	TAL SAV
Total/NA	Analysis	525.2		1	1041.1 mL	1 mL	400293	09/10/15 16:10	NED	TAL SAV
	Instrument ID: CMSR									

Client Sample ID: Site 2 L

Date Collected: 09/04/15 11:35
Date Received: 09/05/15 11:02

Lab Sample ID: 680-116473-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	5 mL	5 mL	400271	09/10/15 12:50	JLK	TAL SAV
	Instrument ID: CMSO2									
Total/NA	Prep	525.2			1033.6 mL	1 mL	400045	09/09/15 08:08	CMV	TAL SAV
Total/NA	Analysis	525.2		1	1033.6 mL	1 mL	400293	09/10/15 16:38	NED	TAL SAV
	Instrument ID: CMSR									

Client Sample ID: Field Blank Site 2

Date Collected: 09/04/15 11:25
Date Received: 09/05/15 11:02

Lab Sample ID: 680-116473-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	5 mL	5 mL	400271	09/10/15 11:04	JLK	TAL SAV
	Instrument ID: CMSO2									
Total/NA	Prep	525.2			1034.7 mL	1 mL	400045	09/09/15 08:08	CMV	TAL SAV
Total/NA	Analysis	525.2		1	1034.7 mL	1 mL	400293	09/10/15 17:06	NED	TAL SAV
	Instrument ID: CMSR									

Client Sample ID: Site 5 E

Date Collected: 09/04/15 12:15
Date Received: 09/05/15 11:02

Lab Sample ID: 680-116473-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	5 mL	5 mL	400271	09/10/15 13:11	JLK	TAL SAV
	Instrument ID: CMSO2									
Total/NA	Prep	525.2			1034.7 mL	1 mL	400045	09/09/15 08:08	CMV	TAL SAV
Total/NA	Analysis	525.2		1	1034.7 mL	1 mL	400293	09/10/15 17:34	NED	TAL SAV
	Instrument ID: CMSR									

Lab Chronicle

Client: SCS Engineers
Project/Site: James Park - 25214107

TestAmerica Job ID: 680-116473-1
SDG: Residential Well Sampling

Client Sample ID: Site 5 L

Date Collected: 09/04/15 12:25
Date Received: 09/05/15 11:02

Lab Sample ID: 680-116473-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	5 mL	5 mL	400271	09/10/15 13:33	JLK	TAL SAV
	Instrument ID: CMSO2									
Total/NA	Prep	525.2			1039.1 mL	1 mL	400045	09/09/15 08:08	CMV	TAL SAV
Total/NA	Analysis	525.2		1	1039.1 mL	1 mL	400293	09/10/15 18:02	NED	TAL SAV
	Instrument ID: CMSR									

Client Sample ID: Field Blank Site 5

Date Collected: 09/04/15 12:35
Date Received: 09/05/15 11:02

Lab Sample ID: 680-116473-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	5 mL	5 mL	400271	09/10/15 11:26	JLK	TAL SAV
	Instrument ID: CMSO2									
Total/NA	Prep	525.2			1043.4 mL	1 mL	400045	09/09/15 08:08	CMV	TAL SAV
Total/NA	Analysis	525.2		1	1043.4 mL	1 mL	400293	09/10/15 18:30	NED	TAL SAV
	Instrument ID: CMSR									

Client Sample ID: Site 1 E

Date Collected: 09/04/15 13:15
Date Received: 09/05/15 11:02

Lab Sample ID: 680-116473-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	5 mL	5 mL	400271	09/10/15 13:54	JLK	TAL SAV
	Instrument ID: CMSO2									
Total/NA	Prep	525.2			1032.9 mL	1 mL	400839	09/14/15 07:31	CMV	TAL SAV
Total/NA	Analysis	525.2		1	1032.9 mL	1 mL	401227	09/16/15 13:34	NED	TAL SAV
	Instrument ID: CMSR									

Client Sample ID: Site 1 L

Date Collected: 09/04/15 13:25
Date Received: 09/05/15 11:02

Lab Sample ID: 680-116473-8

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	5 mL	5 mL	400271	09/10/15 14:15	JLK	TAL SAV
	Instrument ID: CMSO2									
Total/NA	Prep	525.2			1029.6 mL	1 mL	400045	09/09/15 08:08	CMV	TAL SAV
Total/NA	Analysis	525.2		1	1029.6 mL	1 mL	400293	09/10/15 19:26	NED	TAL SAV
	Instrument ID: CMSR									

Client Sample ID: Site 3 E

Date Collected: 09/04/15 13:55
Date Received: 09/05/15 11:02

Lab Sample ID: 680-116473-9
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	5 mL	5 mL	400271	09/10/15 14:36	JLK	TAL SAV
	Instrument ID: CMSO2									
Total/NA	Prep	525.2			1028.3 mL	1 mL	400045	09/09/15 08:08	CMV	TAL SAV
Total/NA	Analysis	525.2		1	1028.3 mL	1 mL	400292	09/10/15 21:17	NED	TAL SAV
	Instrument ID: CMSR									

Client Sample ID: Site 3 L

Date Collected: 09/04/15 14:05
Date Received: 09/05/15 11:02

Lab Sample ID: 680-116473-10
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	5 mL	5 mL	400271	09/10/15 14:57	JLK	TAL SAV
	Instrument ID: CMSO2									
Total/NA	Prep	525.2			1030 mL	1 mL	400045	09/09/15 08:08	CMV	TAL SAV
Total/NA	Analysis	525.2		1	1030 mL	1 mL	400292	09/10/15 21:45	NED	TAL SAV
	Instrument ID: CMSR									

Client Sample ID: Site 4 E

Date Collected: 09/04/15 14:35
Date Received: 09/05/15 11:02

Lab Sample ID: 680-116473-11
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	5 mL	5 mL	400271	09/10/15 15:19	JLK	TAL SAV
	Instrument ID: CMSO2									
Total/NA	Prep	525.2			1032.5 mL	1 mL	400045	09/09/15 08:08	CMV	TAL SAV
Total/NA	Analysis	525.2		1	1032.5 mL	1 mL	400292	09/10/15 22:12	NED	TAL SAV
	Instrument ID: CMSR									

Client Sample ID: Site 4 L

Date Collected: 09/04/15 14:45
Date Received: 09/05/15 11:02

Lab Sample ID: 680-116473-12
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	5 mL	5 mL	400271	09/10/15 15:40	JLK	TAL SAV
	Instrument ID: CMSO2									
Total/NA	Prep	525.2			1033.2 mL	1 mL	400045	09/09/15 08:08	CMV	TAL SAV
Total/NA	Analysis	525.2		1	1033.2 mL	1 mL	400292	09/10/15 22:40	NED	TAL SAV
	Instrument ID: CMSR									

Lab Chronicle

Client: SCS Engineers
Project/Site: James Park - 25214107

TestAmerica Job ID: 680-116473-1
SDG: Residential Well Sampling

Client Sample ID: Field Blank Site 4

Date Collected: 09/04/15 14:35
Date Received: 09/05/15 11:02

Lab Sample ID: 680-116473-13
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	5 mL	5 mL	400271	09/10/15 12:08	JLK	TAL SAV
	Instrument ID: CMSO2									
Total/NA	Prep	525.2			1034.9 mL	1 mL	400045	09/09/15 08:08	CMV	TAL SAV
Total/NA	Analysis	525.2		1	1034.9 mL	1 mL	400292	09/10/15 23:08	NED	TAL SAV
	Instrument ID: CMSR									

Client Sample ID: Site 6 E

Date Collected: 09/04/15 15:45
Date Received: 09/05/15 11:02

Lab Sample ID: 680-116473-14
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	5 mL	5 mL	400271	09/10/15 16:01	JLK	TAL SAV
	Instrument ID: CMSO2									
Total/NA	Prep	525.2			1030.2 mL	1 mL	400045	09/09/15 08:08	CMV	TAL SAV
Total/NA	Analysis	525.2		1	1030.2 mL	1 mL	400292	09/10/15 23:36	NED	TAL SAV
	Instrument ID: CMSR									

Client Sample ID: Site 6 L

Date Collected: 09/04/15 15:55
Date Received: 09/05/15 11:02

Lab Sample ID: 680-116473-15
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	5 mL	5 mL	400271	09/10/15 16:22	JLK	TAL SAV
	Instrument ID: CMSO2									
Total/NA	Prep	525.2			1030.8 mL	1 mL	400045	09/09/15 08:08	CMV	TAL SAV
Total/NA	Analysis	525.2		1	1030.8 mL	1 mL	400292	09/11/15 00:04	NED	TAL SAV
	Instrument ID: CMSR									

Client Sample ID: Trip Blank

Date Collected: 09/04/15 00:00
Date Received: 09/05/15 11:02

Lab Sample ID: 680-116473-16
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	5 mL	5 mL	400271	09/10/15 11:47	JLK	TAL SAV
	Instrument ID: CMSO2									

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Certification Summary

Client: SCS Engineers
Project/Site: James Park - 25214107

TestAmerica Job ID: 680-116473-1
SDG: Residential Well Sampling

Laboratory: TestAmerica Savannah

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Wisconsin	State Program	5	999819810	08-31-16

Laboratory: TestAmerica Chicago

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Wisconsin	State Program	5	999580010	08-31-16

Method Summary

Client: SCS Engineers
Project/Site: James Park - 25214107

TestAmerica Job ID: 680-116473-1
SDG: Residential Well Sampling

Method	Method Description	Protocol	Laboratory
524.2	Volatile Organic Compounds (GC/MS)	EPA-DW	TAL SAV
525.2	Semivolatile Organic Compounds (GC/MS)	EPA	TAL SAV

Protocol References:

EPA = US Environmental Protection Agency

EPA-DW = "Methods For The Determination Of Organic Compounds In Drinking Water", EPA/600/4-88/039, December 1988 And Its Supplements.

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

TestAmerica Savannah
5102 LaRoche Avenue

Savannah, GA 31404
phone 912.354.7858 fax 912.352.0165

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
TestAmerica Laboratories, Inc.

Regulatory Program: ☑ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact: Tony Kollasch	**Project Manager: Dave Hendron**	**Site Contact: Paul Herr**	**Date: 9/4/2015**	COC No:
Client: SCS Engineers	**Tel/Fax: 312-286-9397**	**Lab Contact: Sandra Fredrick**	**Carrier: Fex-Ex**	1 of 2 COCs
Address: 2830 Dairy Dr	**Analysis Turnaround Time**			Sampler:
City/State/Zip: Madison, WI 53718	☐ CALENDAR DAYS ☑ WORKING DAYS			**For Lab Use Only:**
Phone: (608) 224-2830	TAT if different from Below 3 Days			Walk-in Client:
FAX: 608-224-2839	☐ 2 weeks			Lab Sampling:
Project Name: James Park (25214107)	☐ 1 week			
Site: Residential Water Sampling	☐ 2 days			Job / SDG No.:
P O #: ———	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	VOC	SVOC	Sample Specific Notes:
Site 2 E	9/4/15	1125	GRAB	H_2O	5	N		X	X	
Site 2 L	9/4/15	1135	Grab	H_2O	5	N		X	X	
Field Blank Site 2	9/4/15	1125	G	H_2O	2	N		X	X	
Site 5 E	9/4/15	1215	G	W	5	N		X	X	
Site 5 L	9/4/15	1225	G	W	5	N		X	X	
Field Blank Site 5	9/4/15	1235	G	W	2	N		X	X	
Site 1 E	9/4/15	1315	G	W	5	N		X	X	
Site 1 L	9/4/15	1325	G	W	5	N		X	X	
Site 3 E	9/4/15	1355	G	W	5	N		X	X	
Site 3 L	9/4/15	1405	G	W	5	N		X	X	
Site 4 E	9/4/15	1435	G	W	5	N		X	X	
Site 4 L	9/4/15	1445	G	W	5	N		X	X	

680-116473 Chain of Custody

Preservation Used: 1= Ice, 2= HCl, 3= H_2SO_4, 4=HNO_3, 5=NaOH, 6= Other

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☑ Archive for 2 Months

Special Instructions/QC Requirements & Comments:
1L ambers labeled with primary and secondary - please test use primary first.
(680-116473 1.2/24/1.6/1.4(CF) 1.6/28/2.0/1.8°C

Custody Seals Intact: ☐ Yes ☑ No	Custody Seal No.:		Cooler Temp. (°C): Obs'd:	Corr'd:	Therm ID No.:	
Relinquished by:	Company: SCS Engineers	Date/Time: 9/4/15 1600	Received by:	Company:	Date/Time:	
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:	
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company: SAV.	Date/Time: 09-0515	1102

Form No. CA-C-WI-002, Rev. 4.2, dated 04/02/2013

TestAmerica Savannah
5102 LaRoche Avenue

Savannah, GA 31404
phone 912.354.7858 fax 912.352.0165

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Regulatory Program: ☑ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact: Tony Kollasch	**Project Manager:** Dave Hendron	**Site Contact:** Paul Herr	**Date:** 9/4/2015	COC No:
Client: SCS Engineers	**Tel/Fax:** 312-286-9397	**Lab Contact:** Sandra Fredrick	**Carrier:** Fex-Ex	2 of 2 COCs
Address: 2830 Dairy Dr	**Analysis Turnaround Time**			Sampler:
City/State/Zip: Madison, WI 53718	☐ CALENDAR DAYS ☑ WORKING DAYS			**For Lab Use Only:**
Phone: (608) 224-2830	TAT if different from Below 3 Days			Walk-in Client:
FAX: 608-224-2839	☐ 2 weeks			Lab Sampling:
Project Name: James Park (25214107)	☐ 1 week			
Site: Residential Water Sampling	☐ 2 days			Job / SDG No.:
PO #: ———	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	VOC	SVOC	Sample Specific Notes:
Field Blank Site 4	9/4/15	1435	GRAB	H_2O	2	N		X	X	
Site 6 E	9/4/15	1545	G	W	5	N		X	X	
Site 6 L	9/4/15	1555	G	W	5	N		X	X	
Trip Blank	9/4/15	—	G	W				X		

Preservation Used: 1= Ice, 2= HCl; 3= H_2SO_4; 4=HNO_3; 5=NaOH; 6= Other

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☑ Archive for 2 Months

Special Instructions/QC Requirements & Comments:

6801/6473 1.2/2.4/1.6/1.4 (CF) 1.6/2.8/2.0/1.8°C

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:		Cooler Temp. (°C): Obs'd:	Corr'd:	Therm ID No.:
Relinquished by:	Company: SCS Engineers	Date/Time: 9/4/15 1600	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company: SAV	Date/Time: 09-04-15 1102

Form No. CA-C-WI-002, Rev. 4.2, dated 04/02/2013

Login Sample Receipt Checklist

Client: SCS Engineers

Job Number: 680-116473-1
SDG Number: Residential Well Sampling

Login Number: 116473
List Number: 1
Creator: Banda, Christy S

List Source: TestAmerica Savannah

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	