Sample ID: SOPILE 2

EPA Method 1613B

Client Data
Name: Tetra Tech
Project: Beazer-Gainesville
Date Collected: 12-Nov-2015 13:28

Sample Data
Matrix: Soil
Sample Size: 11.1 g
% Solids: 89.7

Laboratory Data
Lab Sample: 1501150-11 Date Received: 19-Nov-2015 9:30
QC Batch: B5L0018 Date Extracted: 03-Dec-2015 15:59
Date Analyzed : 10-Dec-15 20:51 Column: ZB-5MS Analyst: WJL

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
2,3,7,8-TCDD	ND	0.0711		
1,2,3,7,8-PeCDD	ND	0.0600		
1,2,3,4,7,8-HxCDD	0.190			J
1,2,3,6,7,8-HxCDD	0.461			J
1,2,3,7,8,9-HxCDD	0.396			J
1,2,3,4,6,7,8-HpCDD	16.1			
OCDD	226			B
2,3,7,8-TCDF	ND	0.0723		
1,2,3,7,8-PeCDF	ND	0.0660		
2,3,4,7,8-PeCDF	0.630			J
1,2,3,4,7,8-HxCDF	0.160			J
1,2,3,6,7,8-HxCDF	0.209			J
2,3,4,6,7,8-HxCDF	0.354			J
1,2,3,7,8,9-HxCDF	ND	0.122		
1,2,3,4,6,7,8-HpCDF	2.71			
1,2,3,4,7,8,9-HpCDF	ND	0.0780		
OCDF	8.18			
TOTALS				
Total TCDD	ND	0.0711		
Total PeCDD	0.501		1.12	
Total HxCDD	6.80		6.99	
Total HpCDD	58.3			
Total TCDF	2.21		2.55	
Total PeCDF	8.77			
Total HxCDF	5.31		5.36	
Total HpCDF	7.72			

	Labeled Standard	%R	LCL-UCL	Qualifiers
IS	13C-2,3,7,8-TCDD	88.9	25 - 164	
	13C-1,2,3,7,8-PeCDD	104	25 - 181	
	13C-1,2,3,4,7,8-HxCDD	97.3	32 - 141	
	13C-1,2,3,6,7,8-HxCDD	89.8	28 - 130	
	13C-1,2,3,7,8,9-HxCDD	93.5	32 - 141	
	13C-1,2,3,4,6,7,8-HpCDD	98.9	23 - 140	
	13C-OCDD	82.5	17 - 157	
	13C-2,3,7,8-TCDF	88.2	24 - 169	
	13C-1,2,3,7,8-PeCDF	93.6	24 - 185	
	13C-2,3,4,7,8-PeCDF	99.8	21 - 178	
	13C-1,2,3,4,7,8-HxCDF	84.6	26 - 152	
	13C-1,2,3,6,7,8-HxCDF	80.5	26 - 123	
	13C-2,3,4,6,7,8-HxCDF	82.6	28 - 136	
	13C-1,2,3,7,8,9-HxCDF	90.9	29 - 147	
	13C-1,2,3,4,6,7,8-HpCDF	84.0	28 - 143	
	13C-1,2,3,4,7,8,9-HpCDF	94.3	26 - 138	
	13C-OCDF	78.5	17 - 157	
CRS	37Cl-2,3,7,8-TCDD	81.5	35 - 197	

Toxic Equivalent Quotient (TEQ) Data

TEQMinWHO2005Dioxin 0.624

DL - Sample specifc estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Min-The TEQ is calculated using zero for the concentration of congeners that are not detected.

Sample ID: SOPILE 3-5

EPA Method 1613B

Client Data
Name: Tetra Tech
Project: Beazer-Gainesville
Date Collected: 13-Nov-2015 9:26

Sample Data
Matrix: Soil
Sample Size: 11.4 g
% Solids: 89.4

Laboratory Data
Lab Sample: 1501150-15 Date Received: 19-Nov-2015 9:30
QC Batch: B5L0018 Date Extracted: 03-Dec-2015 15:59
Date Analyzed : 10-Dec-15 21:39 Column: ZB-5MS Analyst: WJL

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
2,3,7,8-TCDD	ND	0.0697		
1,2,3,7,8-PeCDD	0.882			J
1,2,3,4,7,8-HxCDD	2.08			J
1,2,3,6,7,8-HxCDD	9.62			
1,2,3,7,8,9-HxCDD	5.65			
1,2,3,4,6,7,8-HpCDD	217			
OCDD	1590			B
2,3,7,8-TCDF	0.168			J
1,2,3,7,8-PeCDF	0.394			J
2,3,4,7,8-PeCDF	1.48			J
1,2,3,4,7,8-HxCDF	1.39			J
1,2,3,6,7,8-HxCDF	1.21			J
2,3,4,6,7,8-HxCDF	2.09			J
1,2,3,7,8,9-HxCDF	0.763			J
1,2,3,4,6,7,8-HpCDF	25.2			
1,2,3,4,7,8,9-HpCDF	1.63			J
OCDF	77.9			

	Labeled Standard	%R	LCL-UCL	Qualifiers
IS	13C-2,3,7,8-TCDD	89.7	25 - 164	
	13C-1,2,3,7,8-PeCDD	106	25 - 181	
	13C-1,2,3,4,7,8-HxCDD	96.3	32 - 141	
	13C-1,2,3,6,7,8-HxCDD	91.6	28 - 130	
	13C-1,2,3,7,8,9-HxCDD	92.9	32 - 141	
	13C-1,2,3,4,6,7,8-HpCDD	105	23 - 140	
	13C-OCDD	96.8	17 - 157	
	13C-2,3,7,8-TCDF	90.3	24 - 169	
	13C-1,2,3,7,8-PeCDF	95.2	24 - 185	
	13C-2,3,4,7,8-PeCDF	102	21 - 178	
	13C-1,2,3,4,7,8-HxCDF	85.5	26 - 152	
	13C-1,2,3,6,7,8-HxCDF	82.4	26 - 123	
	13C-2,3,4,6,7,8-HxCDF	85.1	28 - 136	
	13C-1,2,3,7,8,9-HxCDF	88.8	29 - 147	
	13C-1,2,3,4,6,7,8-HpCDF	88.3	28 - 143	
	13C-1,2,3,4,7,8,9-HpCDF	99.2	26 - 138	
	13C-OCDF	90.3	17 - 157	
CRS	37Cl-2,3,7,8-TCDD	82.7	35 - 197	

Toxic Equivalent Quotient (TEQ) Data

TEQMinWHO2005Dioxin	6.57

TOTALS

Total TCDD	0.444	0.513
Total PeCDD	2.72	4.04
Total HxCDD	53.5	
Total HpCDD	490	
Total TCDF	3.59	
Total PeCDF	16.7	
Total HxCDF	41.6	
Total HpCDF	88.3	

DL - Sample specifc estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Min-The TEQ is calculated using zero for the concentration of congeners that are not detected.

Sample ID: SOPILE 3-1

EPA Method 1613B

Client Data
Name: Tetra Tech
Project: Beazer-Gainesville
Date Collected: 13-Nov-2015 12:34

Sample Data
Matrix: Soil
Sample Size: 11.2 g
% Solids: 91.4

Laboratory Data
Lab Sample: 1501150-19 Date Received: 19-Nov-2015 9:30
QC Batch: B5L0018 Date Extracted: 03-Dec-2015 15:59
Date Analyzed : 10-Dec-15 22:27 Column: ZB-5MS Analyst: WJL

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
2,3,7,8-TCDD	ND	0.0627		
1,2,3,7,8-PeCDD	0.181			J
1,2,3,4,7,8-HxCDD	0.547			J
1,2,3,6,7,8-HxCDD	1.53			J
1,2,3,7,8,9-HxCDD	1.03			J
1,2,3,4,6,7,8-HpCDD	62.4			
OCDD	1410			B
2,3,7,8-TCDF	0.287			J
1,2,3,7,8-PeCDF	0.339			J
2,3,4,7,8-PeCDF	1.39			J
1,2,3,4,7,8-HxCDF	1.39			J
1,2,3,6,7,8-HxCDF	0.933			J
2,3,4,6,7,8-HxCDF	1.09			J
1,2,3,7,8,9-HxCDF	0.204			J
1,2,3,4,6,7,8-HpCDF	16.5			
1,2,3,4,7,8,9-HpCDF	0.695			J
OCDF	40.1			

	Labeled Standard	%R	LCL-UCL	Qualifiers
IS	13C-2,3,7,8-TCDD	90.7	25 - 164	
	13C-1,2,3,7,8-PeCDD	105	25 - 181	
	13C-1,2,3,4,7,8-HxCDD	98.7	32 - 141	
	13C-1,2,3,6,7,8-HxCDD	91.2	28 - 130	
	13C-1,2,3,7,8,9-HxCDD	93.3	32 - 141	
	13C-1,2,3,4,6,7,8-HpCDD	103	23 - 140	
	13C-OCDD	91.2	17 - 157	
	13C-2,3,7,8-TCDF	90.0	24 - 169	
	13C-1,2,3,7,8-PeCDF	94.6	24 - 185	
	13C-2,3,4,7,8-PeCDF	101	21 - 178	
	13C-1,2,3,4,7,8-HxCDF	87.7	26 - 152	
	13C-1,2,3,6,7,8-HxCDF	83.7	26 - 123	
	13C-2,3,4,6,7,8-HxCDF	85.2	28 - 136	
	13C-1,2,3,7,8,9-HxCDF	89.2	29 - 147	
	13C-1,2,3,4,6,7,8-HpCDF	87.1	28 - 143	
	13C-1,2,3,4,7,8,9-HpCDF	97.5	26 - 138	
	13C-OCDF	86.4	17 - 157	
CRS	37Cl-2,3,7,8-TCDD	84.0	35 - 197	

Toxic Equivalent Quotient (TEQ) Data

TEQMinWHO2005Dioxin 2.54

TOTALS		
Total TCDD	2.02	
Total PeCDD	1.74	2.55
Total HxCDD	21.1	
Total HpCDD	230	
Total TCDF	5.76	
Total PeCDF	19.5	19.7
Total HxCDF	18.7	18.9
Total HpCDF	39.7	

DL - Sample specifc estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Min-The TEQ is calculated using zero for the concentration of congeners that are not detected.

Sample ID: SOPILE 3-2

EPA Method 1613B

Client Data
Name: Tetra Tech
Project: Beazer-Gainesville
Date Collected: 17-Nov-2015 10:22

Sample Data
Matrix: Soil
Sample Size: 11.3 g
% Solids: 90.6

Laboratory Data
Lab Sample: 1501150-21 Date Received: 19-Nov-2015 9:30
QC Batch: B5L0018 Date Extracted: 03-Dec-2015 15:59
Date Analyzed : 10-Dec-15 23:15 Column: ZB-5MS Analyst: WJL

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
2,3,7,8-TCDD	ND	0.0770		
1,2,3,7,8-PeCDD	0.273			J
1,2,3,4,7,8-HxCDD	0.661			J
1,2,3,6,7,8-HxCDD	2.25			J
1,2,3,7,8,9-HxCDD	1.29			J
1,2,3,4,6,7,8-HpCDD	81.7			
OCDD	1210			B
2,3,7,8-TCDF	0.185			J
1,2,3,7,8-PeCDF	0.237			J
2,3,4,7,8-PeCDF	1.21			J
1,2,3,4,7,8-HxCDF	1.08			J
1,2,3,6,7,8-HxCDF	0.835			J
2,3,4,6,7,8-HxCDF	1.23			J
1,2,3,7,8,9-HxCDF	0.301			J
1,2,3,4,6,7,8-HpCDF	14.8			
1,2,3,4,7,8,9-HpCDF	0.789			J
OCDF	40.4			
TOTALS				
Total TCDD	1.20		1.28	
Total PeCDD	2.21		3.33	
Total HxCDD	30.7			
Total HpCDD	349			
Total TCDF	4.60		4.87	
Total PeCDF	16.1			
Total HxCDF	19.1			
Total HpCDF	41.5			

	Labeled Standard	%R	LCL-UCL	Qualifiers
IS	13C-2,3,7,8-TCDD	82.9	25 - 164	
	13C-1,2,3,7,8-PeCDD	98.6	25 - 181	
	13C-1,2,3,4,7,8-HxCDD	93.7	32 - 141	
	13C-1,2,3,6,7,8-HxCDD	84.9	28 - 130	
	13C-1,2,3,7,8,9-HxCDD	91.1	32 - 141	
	13C-1,2,3,4,6,7,8-HpCDD	98.6	23 - 140	
	13C-OCDD	86.5	17 - 157	
	13C-2,3,7,8-TCDF	85.8	24 - 169	
	13C-1,2,3,7,8-PeCDF	92.7	24 - 185	
	13C-2,3,4,7,8-PeCDF	96.5	21 - 178	
	13C-1,2,3,4,7,8-HxCDF	81.5	26 - 152	
	13C-1,2,3,6,7,8-HxCDF	78.8	26 - 123	
	13C-2,3,4,6,7,8-HxCDF	81.4	28 - 136	
	13C-1,2,3,7,8,9-HxCDF	88.1	29 - 147	
	13C-1,2,3,4,6,7,8-HpCDF	83.8	28 - 143	
	13C-1,2,3,4,7,8,9-HpCDF	92.9	26 - 138	
	13C-OCDF	79.2	17 - 157	
CRS	37Cl-2,3,7,8-TCDD	76.7	35 - 197	

Toxic Equivalent Quotient (TEQ) Data

TEQMinWHO2005Dioxin	2.77

DL - Sample specifc estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Min-The TEQ is calculated using zero for the concentration of congeners that are not detected.

Sample ID: SOPILE 3-3

EPA Method 1613B

Client Data
Name: Tetra Tech
Project: Beazer-Gainesville
Date Collected: 17-Nov-2015 13:54

Sample Data
Matrix: Soil
Sample Size: 11.2 g
% Solids: 92.5

Laboratory Data
Lab Sample: 1501150-24 Date Received: 19-Nov-2015 9:30
QC Batch: B5L0018 Date Extracted: 03-Dec-2015 15:59
Date Analyzed : 11-Dec-15 00:03 Column: ZB-5MS Analyst: WJL

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
2,3,7,8-TCDD	ND	0.0734		
1,2,3,7,8-PeCDD	ND		0.289	
1,2,3,4,7,8-HxCDD	0.913			J
1,2,3,6,7,8-HxCDD	3.12			
1,2,3,7,8,9-HxCDD	1.63			J
1,2,3,4,6,7,8-HpCDD	139			
OCDD	2590			B
2,3,7,8-TCDF	0.0941			J
1,2,3,7,8-PeCDF	0.118			J
2,3,4,7,8-PeCDF	1.53			J
1,2,3,4,7,8-HxCDF	0.811			J
1,2,3,6,7,8-HxCDF	0.679			J
2,3,4,6,7,8-HxCDF	1.24			J
1,2,3,7,8,9-HxCDF	0.342			J
1,2,3,4,6,7,8-HpCDF	20.4			
1,2,3,4,7,8,9-HpCDF	1.34			J
OCDF	90.9			

	Labeled Standard	%R	LCL-UCL	Qualifiers
IS	13C-2,3,7,8-TCDD	86.3	25 - 164	
	13C-1,2,3,7,8-PeCDD	102	25 - 181	
	13C-1,2,3,4,7,8-HxCDD	94.9	32 - 141	
	13C-1,2,3,6,7,8-HxCDD	87.8	28 - 130	
	13C-1,2,3,7,8,9-HxCDD	90.8	32 - 141	
	13C-1,2,3,4,6,7,8-HpCDD	104	23 - 140	
	13C-OCDD	95.1	17 - 157	
	13C-2,3,7,8-TCDF	88.3	24 - 169	
	13C-1,2,3,7,8-PeCDF	94.1	24 - 185	
	13C-2,3,4,7,8-PeCDF	99.3	21 - 178	
	13C-1,2,3,4,7,8-HxCDF	85.4	26 - 152	
	13C-1,2,3,6,7,8-HxCDF	81.8	26 - 123	
	13C-2,3,4,6,7,8-HxCDF	82.7	28 - 136	
	13C-1,2,3,7,8,9-HxCDF	87.3	29 - 147	
	13C-1,2,3,4,6,7,8-HpCDF	82.8	28 - 143	
	13C-1,2,3,4,7,8,9-HpCDF	96.3	26 - 138	
	13C-OCDF	85.6	17 - 157	
CRS	37Cl-2,3,7,8-TCDD	81.7	35 - 197	

Toxic Equivalent Quotient (TEQ) Data

TEQMinWHO2005Dioxin	3.76

TOTALS

Total TCDD	ND	0.393	
Total PeCDD	2.16	2.89	
Total HxCDD	39.7		
Total HpCDD	512		
Total TCDF	4.08	4.16	
Total PeCDF	18.3	19.1	
Total HxCDF	24.5		
Total HpCDF	82.5		

DL - Sample specifc estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Min-The TEQ is calculated using zero for the concentration of congeners that are not detected.

Sample ID: SOPILE 3-4

EPA Method 1613B

Client Data
Name: Tetra Tech
Project: Beazer-Gainesville
Date Collected: 18-Nov-2015 13:35

Sample Data
Matrix: Soil
Sample Size: 10.7 g
% Solids: 93.0

Laboratory Data
Lab Sample: 1501150-32 Date Received: 19-Nov-2015 9:30
QC Batch: B5L0018 Date Extracted: 03-Dec-2015 15:59
Date Analyzed : 11-Dec-15 00:51 Column: ZB-5MS Analyst: WJL

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
2,3,7,8-TCDD	ND	0.0575		
1,2,3,7,8-PeCDD	0.450			J
1,2,3,4,7,8-HxCDD	1.58			J
1,2,3,6,7,8-HxCDD	5.06			
1,2,3,7,8,9-HxCDD	2.53			
1,2,3,4,6,7,8-HpCDD	270			
OCDD	3740			B
2,3,7,8-TCDF	0.189			J
1,2,3,7,8-PeCDF	0.238			J
2,3,4,7,8-PeCDF	2.07			J
1,2,3,4,7,8-HxCDF	1.26			J
1,2,3,6,7,8-HxCDF	1.09			J
2,3,4,6,7,8-HxCDF	1.92			J
1,2,3,7,8,9-HxCDF	0.405			J
1,2,3,4,6,7,8-HpCDF	33.3			
1,2,3,4,7,8,9-HpCDF	2.31			J
OCDF	162			

	Labeled Standard	%R	LCL-UCL	Qualifiers
IS	13C-2,3,7,8-TCDD	92.7	25 - 164	
	13C-1,2,3,7,8-PeCDD	112	25 - 181	
	13C-1,2,3,4,7,8-HxCDD	102	32 - 141	
	13C-1,2,3,6,7,8-HxCDD	94.4	28 - 130	
	13C-1,2,3,7,8,9-HxCDD	97.9	32 - 141	
	13C-1,2,3,4,6,7,8-HpCDD	114	23 - 140	
	13C-OCDD	108	17 - 157	
	13C-2,3,7,8-TCDF	92.9	24 - 169	
	13C-1,2,3,7,8-PeCDF	98.5	24 - 185	
	13C-2,3,4,7,8-PeCDF	105	21 - 178	
	13C-1,2,3,4,7,8-HxCDF	87.9	26 - 152	
	13C-1,2,3,6,7,8-HxCDF	85.3	26 - 123	
	13C-2,3,4,6,7,8-HxCDF	88.8	28 - 136	
	13C-1,2,3,7,8,9-HxCDF	95.1	29 - 147	
	13C-1,2,3,4,6,7,8-HpCDF	93.0	28 - 143	
	13C-1,2,3,4,7,8,9-HpCDF	107	26 - 138	
	13C-OCDF	97.0	17 - 157	
CRS	37Cl-2,3,7,8-TCDD	84.1	35 - 197	

Toxic Equivalent Quotient (TEQ) Data

TEQMinWHO2005Dioxin	6.71

TOTALS

Total TCDD	1.39	2.03
Total PeCDD	1.88	5.24
Total HxCDD	89.1	
Total HpCDD	1330	
Total TCDF	6.95	7.81
Total PeCDF	31.6	
Total HxCDF	41.8	
Total HpCDF	144	

DL - Sample specifc estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Min-The TEQ is calculated using zero for the concentration of congeners that are not detected.

Sample ID: SOPILE FD4

EPA Method 1613B

Client Data
Name: Tetra Tech
Project: Beazer-Gainesville
Date Collected: 18-Nov-2015 13:40

Sample Data
Matrix: Soil
Sample Size: 11.4 g
% Solids: 89.8

Laboratory Data
Lab Sample: 1501150-33 Date Received: 19-Nov-2015 9:30
QC Batch: B5L0018 Date Extracted: 03-Dec-2015 15:59
Date Analyzed : 11-Dec-15 01:39 Column: ZB-5MS Analyst: WJL

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
2,3,7,8-TCDD	ND	0.0617		
1,2,3,7,8-PeCDD	0.382			J
1,2,3,4,7,8-HxCDD	1.38			J
1,2,3,6,7,8-HxCDD	4.34			
1,2,3,7,8,9-HxCDD	2.27			J
1,2,3,4,6,7,8-HpCDD	241			
OCDD	3630			B
2,3,7,8-TCDF	0.178			J
1,2,3,7,8-PeCDF	0.213			J
2,3,4,7,8-PeCDF	2.02			J
1,2,3,4,7,8-HxCDF	1.11			J
1,2,3,6,7,8-HxCDF	0.945			J
2,3,4,6,7,8-HxCDF	1.68			J
1,2,3,7,8,9-HxCDF	0.396			J
1,2,3,4,6,7,8-HpCDF	28.3			
1,2,3,4,7,8,9-HpCDF	1.96			J
OCDF	137			

	Labeled Standard	%R	LCL-UCL	Qualifiers
IS	13C-2,3,7,8-TCDD	86.4	25 - 164	
	13C-1,2,3,7,8-PeCDD	99.5	25 - 181	
	13C-1,2,3,4,7,8-HxCDD	92.5	32 - 141	
	13C-1,2,3,6,7,8-HxCDD	84.5	28 - 130	
	13C-1,2,3,7,8,9-HxCDD	89.2	32 - 141	
	13C-1,2,3,4,6,7,8-HpCDD	91.9	23 - 140	
	13C-OCDD	76.3	17 - 157	
	13C-2,3,7,8-TCDF	86.9	24 - 169	
	13C-1,2,3,7,8-PeCDF	90.6	24 - 185	
	13C-2,3,4,7,8-PeCDF	96.7	21 - 178	
	13C-1,2,3,4,7,8-HxCDF	81.6	26 - 152	
	13C-1,2,3,6,7,8-HxCDF	77.9	26 - 123	
	13C-2,3,4,6,7,8-HxCDF	80.6	28 - 136	
	13C-1,2,3,7,8,9-HxCDF	89.3	29 - 147	
	13C-1,2,3,4,6,7,8-HpCDF	76.7	28 - 143	
	13C-1,2,3,4,7,8,9-HpCDF	88.7	26 - 138	
	13C-OCDF	71.7	17 - 157	
CRS	37Cl-2,3,7,8-TCDD	86.7	35 - 197	

Toxic Equivalent Quotient (TEQ) Data

TEQMinWHO2005Dioxin	6.07

TOTALS

Total TCDD	1.10	
Total PeCDD	3.60	4.77
Total HxCDD	79.7	
Total HpCDD	1250	
Total TCDF	6.24	7.22
Total PeCDF	27.8	28.0
Total HxCDF	35.6	
Total HpCDF	123	

DL - Sample specifc estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Min-The TEQ is calculated using zero for the concentration of congeners that are not detected.

DATA QUALIFIERS & ABBREVIATIONS

B	**This compound was also detected in the method blank.**
D	**Dilution**
E	**The associated compound concentration exceeded the calibration range of the instrument.**
H	**Recovery and/or RPD was outside laboratory acceptance limits.**
I	**Chemical Interference**
J	**The amount detected is below the Lower Calibration Limit of the instrument.**
*****	**See Cover Letter**
Conc.	**Concentration**
DL	**Sample-specific estimated detection limit**
MDL	**The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero in the matrix tested.**
EMPC	**Estimated Maximum Possible Concentration**
NA	**Not applicable**
RL	**Reporting Limit – concentrations that correspond to low calibration point**
ND	**Not Detected**
TEQ	**Toxic Equivalency**

Unless otherwise noted, solid sample results are reported in dry weight. Tissue samples are reported in wet weight.

CERTIFICATIONS

Accrediting Authority	Certificate Number
California Department of Health – ELAP	2892
DoD ELAP - A2LA Accredited - ISO/IEC 17025:2005	3091.01
Florida Department of Health	E87777
Hawaii Department of Health	N/A
Louisiana Department of Environmental Quality	01977
Maine Department of Health	2014022
Michigan Department of Natural Resources	9932
Nevada Division of Environmental Protection	CA004132015-1
New Jersey Department of Environmental Protection	CA003
New York Department of Health	11411
Oregon Laboratory Accreditation Program	4042-003
Pennsylvania Department of Environmental Protection	012
South Carolina Department of Health	87002001
Tennessee Department of Environment & Conservation	TN02996
Texas Commission on Environmental Quality	T104704189-15-6
Virginia Department of General Services	7923
Washington Department of Ecology	C584
Wisconsin Department of Natural Resources	998036160

CHAIN OF CUSTODY

Vista

FOR LABORATORY USE ONLY
Laboratory Project ID: 1501150
Storage ID: WR-2
Storage Secured: Yes ☑ No ☐
Temp: 1.4 °C
-0.1°C

TAT: (Check One):
Standard: ☑ 21 Days
Rush (surcharge may apply):
○ 14 days ○ 7 days Specify:

Project I.D.: Beazer-Gainesville 117-2201363
P.O.#:
Sampler: Ben Marshall (Name)

Invoice to: Name Beazer Company Address City State Zip Ph# Fax#

Relinquished by: (Signature and Printed Name) Ben Marshall Date: 11/18/15 Time: Received by: (Signature and Printed Name) FedEx Date: 11/18/15 Time: 3:50

Relinquished by: (Signature and Printed Name) FedEx Date: 11/19/15 Time: 0930 Received by: (Signature and Printed Name) B. Benedict Date: 11/19/15 Time: 0955

See "Sample Log-in Checklist" for additional sample information

SHIP TO: Vista Analytical Laboratory
1104 Windfield Way
El Dorado Hills, CA 95762
(916) 673-1520 • Fax (916) 673-0106

ATTN:

Method of Shipment: Fed-Ex

Tracking No.:

Add Analysis(es) Requested

Sample ID	Date	Time	Location/Sample Description	Container(s) Quantity	Type	Matrix	EPA1613 2378-TCDD	EPA1613 2378-TCDD/TCDF	EPA1613 PCDD/PCDF	EPA8290 2378-TCDD	EPA8290 2378-TCDD/TCDF	EPA8290 PCDD/PCDF	EPA8280 2378-TCDD	EPA8280 2378-TCDD/TCDF	EPA8280 PCDD/PCDF	EPA1668 TOTALS	EPA1668 COPLANAR PCB's	EPA1668 209 CONGENERS	EPA1668 PBDE	EPA1614 PAH	CARB429 WHO-29	
SOPILE 1C	11/11/15	3:06		1	G	SO	X	X	X													HOLD
SOPILE 1B		11:45																				HOLD
SOPILE 1A		2:25																				HOLD
SOPILE 1E		11:44																				HOLD
SOPILE 1D		3:59																				HOLD
SOPILE 1	↓	4:28																				Test
~~SOPILE 2B~~																						~~HOLD~~
SOPILE 2E	11/12/15	9:40																				HOLD
SOPILE 2A	↓	10:47																				HOLD
SOPILE 2C	↓	11:34		↓	↓	↓	↓	↓	↓													HOLD

Special Instructions/Comments: No SOPILE 2B sample
HOLD all except SOPILE 1

(pg 1 of 4)

SEND DOCUMENTATION AND RESULTS TO:

Name: Greg Council
Company: Tetra Tech
Address: 1465 Sanctuary Pkwy, Ste 250
City: Alpharetta State: GA Zip: 30009
Phone: 770.619.9950 Fax: 770.619.9903
Email: Greg.Council@tetratech.com

Container Types: A = 1 Liter Amber, G = Glass Jar
P = PUF, T = MM5 Train, O= Other

*Bottle Preservative Type: T = Thiosulfate,
O = Other

Matrix Types: DW = Drinking Water, EF = Effluent, PP = Pulp/Paper, SD = Sediment, SL = Sludge, SO = Soil, WW = Wastewater, B = Blood/Serum AQ = Aqueous, O = Other

WHITE - ORIGINAL YELLOW - ARCHIVE PINK - COPY

Vista

CHAIN OF CUSTODY

FOR LABORATORY USE ONLY

Laboratory Project ID: 1501150

Storage ID: WR-2

Storage Secured: Yes ☑ No ☐

Temp ~~6~~ 1.4 °C ~~0.3~~ -0.1 °C

TAT: (Check One):
Standard: ☑ 21 Days
Rush (surcharge may apply):
○ 14 days ○ 7 days Specify:___

Project I.D.: Beazer Gainesville 117-2201363 P.O.#: ________ Sampler: Ben Marshall (Name)

Invoice to: Name	Company	Address	City	State	Zip	Ph#	Fax#
Beazer							

Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:
[signature] Ben Marshall	11/18/15		Fed-Ex	11/18/15	3:50
FedEx	11-19-15	0930	[signature] B. Benedict	11-19-15	0955

See "Sample Log-in Checklist" for additional sample information

SHIP TO: Vista Analytical Laboratory
1104 Windfield Way
El Dorado Hills, CA 95762
(916) 673-1520 • Fax (916) 673-0106

ATTN: ________

Method of Shipment: Fed-Ex

Tracking No.: ________

Add Analysis(es) Requested

				Container(s)			EPA1613			EPA8290			EPA8280			EPA1668			EPA1614	CARB429		
Sample ID	Date	Time	Location/Sample Description	Quantity	Type	Matrix	2378-TCDD	2378-TCDD/TCDF	PCDD/PCDF	2378-TCDD	2378-TCDD/TCDF	PCDD/PCDF	2378-TCDD	2378-TCDD/TCDF	PCDD/PCDF	TOTALS	COPLANAR PCB's	209 CONGENERS	PBDE	PAH	WHO-29	
SOPILE 2D	11/12/15	9:04		1	G	SO	X	X	X													HOLD
SOPILE 2	↓	1:28		↓	↓	↓	↓	↓	↓													Test
SOPILE 3-5A	↓	2:47		↓	↓	↓	↓	↓	↓													HOLD
SOPILE 3-5B	11/13/15	8:35		↓	↓	↓	↓	↓	↓													HOLD
SOPILE 3-5C	↓	9:16		↓	↓	↓	↓	↓	↓													HOLD
SOPILE 3-5	↓	9:26		↓	↓	↓	↓	↓	↓													Test
SOPILE 3-1A	↓	10:54		↓	↓	↓	↓	↓	↓													HOLD
SOPILE 3-1B	↓	11:40		↓	↓	↓	↓	↓	↓													HOLD
SOPILE 3-1C	↓	12:26		↓	↓	↓	↓	↓	↓													HOLD
SOPILE 3-1	↓	12:34		↓	↓	↓	↓	↓	↓													Test

Special Instructions/Comments: Hold all except for SOPILE 2, SOPILE 3-5, and SOPILE 3-1 (pg 2 of 4)

SEND DOCUMENTATION AND RESULTS TO:

Name: Greg Council
Company: Tetra Tech
Address: 1165 Sanctuary Pkwy, Ste 270
City: Alpharetta State: GA Zip: 30009
Phone: 770.619.9950 Fax: 770.619.9903
Email: Greg.Council@tetratech.com

Container Types: A = 1 Liter Amber, G = Glass Jar
P = PUF, T = MM5 Train, O= Other________

*Bottle Preservative Type: T = Thiosulfate,
O = Other________

Matrix Types: DW = Drinking Water, EF = Effluent, PP = Pulp/Paper,
SD = Sediment, SL = Sludge, SO = Soil, WW = Wastewater, B = Blood/Serum
AQ = Aqueous, O = Other________

WHITE - ORIGINAL YELLOW - ARCHIVE PINK - COPY

CHAIN OF CUSTODY

Vista

FOR LABORATORY USE ONLY
Laboratory Project ID: 1501150
Storage ID: WR-2
Storage Secured: Yes ☑ No ☐
Temp: 1.4 °C
-0.1°C

TAT: (Check One):
Standard: ☑ 21 Days
Rush (surcharge may apply):
○ 14 days ○ 7 days Specify:

Project I.D.: Beazer Gainesville 117-220136 3 P.O.#: Sampler: Ben Marshall (Name)

Invoice to: Name: Beazer Company: Address: City: State: Zip: Ph#: Fax#:

Relinquished by: (Signature and Printed Name) Ben Marshall Date: Time: Received by: (Signature and Printed Name) Fed-Ex Date: 11/18/15 Time: 3:50

Relinquished by: (Signature and Printed Name) FedEx Date: 11-19-15 Time: 0930 Received by: (Signature and Printed Name) B. Benedict Date: 11-19-15 Time: 0956

See "Sample Log-in Checklist" for additional sample information

SHIP TO: Vista Analytical Laboratory
1104 Windfield Way
El Dorado Hills, CA 95762
(916) 673-1520 • Fax (916) 673-0106

ATTN:

Method of Shipment: Fed-Ex

Tracking No.:

Add Analysis(es) Requested

Sample ID	Date	Time	Location/Sample Description	Container(s) Quantity	Type	Matrix	EPA1613 2378-TCDD	EPA1613 2378-TCDD/TCDF	EPA1613 PCDD/PCDF	EPA8290 2378-TCDD	EPA8290 2378-TCDD/TCDF	EPA8290 PCDD/PCDF	EPA8280 2378-TCDD	EPA8280 2378-TCDD/TCDF	EPA8280 PCDD/PCDF	EPA1668 TOTALS	EPA1668 COPLANAR PCB's	EPA1668 209 CONGENEKS	EPA1668 PBDE	EPA1614 PAH	CARB429 WHO-29	
SOPILE 3-2A	11/17/15	9:24		1	G	SO	X	X	X													HOLD
~~SOPILE 3-2B~~																						
~~SOPILE 3-2C~~																						
SOPILE 3-2		10:22																				Test
~~SOPILE 3-3A~~																						
SOPILE 3-3B		11:57																				HOLD
SOPILE 3-3C		1:40																				HOLD
SOPILE 3-3		1:54																				Test
EBSOPILE	11/18/15	9:20		2	G	AQ																HOLD
SOPILE 3-4A	11/18/15	10:42		1	G	SO																HOLD

Special Instructions/Comments:
No sample for 3-2B, 3-2C, 3-3A
(pg 3 of 4)

SEND DOCUMENTATION AND RESULTS TO:

Name: Greg Council
Company: Tetra Tech
Address: 1165 Sanctuary Pkwy, Ste 270
City: Alpharetta State: GA Zip: 30009
Phone: 770.619.9950 Fax: 770.619.9903
Email: Greg.Council@tetratech.com

Container Types: A = 1 Liter Amber, G = Glass Jar
P = PUF, T = MM5 Train, O= Other

*Bottle Preservative Type: T = Thiosulfate,
O = Other

Matrix Types: DW = Drinking Water, EF = Effluent, PP = Pulp/Paper,
SD = Sediment, SL = Sludge, SO = Soil, WW = Wastewater, B = Blood/Serum
AQ = Aqueous, O = Other

WHITE - ORIGINAL YELLOW - ARCHIVE PINK - COPY

CHAIN OF CUSTODY

Vista

FOR LABORATORY USE ONLY
Laboratory Project ID: 1501150
Storage ID: WR-2
Storage Secured: Yes ☑ No ☐
Temp: 1.4 °C ±0.1°C

TAT: (Check One):
Standard: ☑ 21 Days
Rush (surcharge may apply):
○ 14 days ○ 7 days Specify:

Project I.D.: Bedzer Gainesville 117-2201363
P.O.#:
Sampler: Ben Marshall (Name)

Invoice to: Name: Bedzer Company: Address: City: State: Zip: Ph#: Fax#:

Relinquished by: (Signature and Printed Name) Ben Marshall Date: 11/18/15 Time: Received by: (Signature and Printed Name) Fed-Ex Date: 11/18/15 Time: 3:50

Relinquished by: (Signature and Printed Name) FedEx Date: 11-19-15 Time: 0930 Received by: (Signature and Printed Name) Bethany Benedict B. Benedict Date: 11-19-15 Time: 0956

See "Sample Log-in Checklist" for additional sample information

SHIP TO: Vista Analytical Laboratory
1104 Windfield Way
El Dorado Hills, CA 95762
(916) 673-1520 • Fax (916) 673-0106

ATTN:

Method of Shipment: Fed-Ex

Tracking No.:

Add Analysis(es) Requested

Sample ID	Date	Time	Location/Sample Description	Container(s) Quantity	Type	Matrix	EPA1613 2378-TCDD	EPA1613 2378-TCDD/TCDF	EPA1613 PCDD/PCDF	EPA8290 2378-TCDD	EPA8290 2378-TCDD/TCDF	EPA8290 PCDD/PCDF	EPA8280 2378-TCDD	EPA8280 2378-TCDD/TCDF	EPA8280 PCDD/PCDF	EPA1668 TOTALS	EPA1668 COPLANAR PCB's	EPA1668 209 CONGENEKS	EPA1614 PBDE	EPA1614 PAH	CARB429 WHO-29	
SOPILE FD1	11/18/15	10:44		1	G	SO	X	X	X													HOLD
SOPILE 3-4B		11:44																				HOLD
SOPILE FD2		11:48																				HOLD
SOPILE 3-4C		12:42																				HOLD
SOPILE FD3		12:46																				HOLD
SOPILE 3-4		1:35																				Test
SOPILE FD4		1:40																				Test

Special Instructions/Comments:

(pg 4 of 4)

SEND DOCUMENTATION AND RESULTS TO:

Name: Greg Council
Company: Tetra Tech
Address: 1145 Sanctuary Pkwy, Ste 270
City: Alpharetta State: GA Zip: 30009
Phone: 770.619.9950 Fax: 770.619.9903
Email: Greg.Council@tetratech.com

Container Types: A = 1 Liter Amber, G = Glass Jar
P = PUF, T = MM5 Train, O= Other

*Bottle Preservative Type: T = Thiosulfate,
O = Other

Matrix Types: DW = Drinking Water, EF = Effluent, PP = Pulp/Paper, SD = Sediment, SL = Sludge, SO = Soil, WW = Wastewater, B = Blood/Serum AQ = Aqueous, O = Other

WHITE - ORIGINAL YELLOW - ARCHIVE PINK - COPY

SAMPLE LOG-IN CHECKLIST

Vista Analytical Laboratory

Vista Project #: 1501150 **TAT** Std / Hold

Samples Arrival:	**Date/Time** 11/19/15 0930	**Initials:** JBB	**Location:** WR2 **Shelf/Rack:** NA
Logged In:	**Date/Time** 11/21/15 1246	**Initials:** JBB	**Location:** WR-2 **Shelf/Rack:** E6

Delivered By:	(FedEx)	UPS	On Trac	DHL	Hand Delivered	Other
Preservation:	(Ice)	Blue Ice	Dry Ice	None		
Temp °C: 1.5 (uncorrected) / **Temp °C:** 1.4 (corrected)	**Time:** 0950			**Thermometer ID:** IR-2		

	YES	NO	NA
Adequate Sample Volume Received?	✓		
Holding Time Acceptable?	✓		
Shipping Container(s) Intact?	✓		
Shipping Custody Seals Intact?	✓		
Shipping Documentation Present?	✓		
Airbill 1 of 2 Trk # 8084 2911 8306	✓		
Sample Container Intact?	✓		
Sample Custody Seals Intact?			✓
Chain of Custody / Sample Documentation Present?	✓		
COC Anomaly/Sample Acceptance Form completed?	✓		
If Chlorinated or Drinking Water Samples, Acceptable Preservation?			✓

$Na_2S_2O_3$ Preservation Documented?	COC	Sample Container	(None)		
Shipping Container	(Vista)	Client	(Retain)	Return	Dispose

Comments:

Sample Login 11/2013 ckt

SAMPLE LOG-IN CHECKLIST

Vista Analytical Laboratory

Vista Project #: 1501150 **TAT** Std / Hold

Samples Arrival:	**Date/Time** 11/19/15 0930	**Initials:** YBSB	**Location:** WR-2 **Shelf/Rack:** NA
Logged In:	**Date/Time** 11/21/15 1246	**Initials:** YBSB	**Location:** WR-2 **Shelf/Rack:** A4

Delivered By:	(FedEx)	UPS	On Trac	DHL	Hand Delivered	Other
Preservation:	(Ice)	Blue Ice	Dry Ice	None		

Temp °C: 0.0 (uncorrected)	**Time:** 0959	**Thermometer ID:** IR-2	
Temp °C: -0.1 (corrected)			

	YES	NO	NA
Adequate Sample Volume Received?	✓		
Holding Time Acceptable?	✓		
Shipping Container(s) Intact?	✓		
Shipping Custody Seals Intact?	✓		
Shipping Documentation Present?	✓		
Airbill 2 of 2 Trk # 7817 4237 7512	✓		
Sample Container Intact?	✓		
Sample Custody Seals Intact?			✓
Chain of Custody / Sample Documentation Present? In Cooler 1 of 2		✓	
COC Anomaly/Sample Acceptance Form completed?	✓		
If Chlorinated or Drinking Water Samples, Acceptable Preservation?			✓

$Na_2S_2O_3$ Preservation Documented?		COC	Sample Container	(None)	
Shipping Container	(Vista)	Client	(Retain)	Return	Dispose

Comments:

Sample label: ID EB SOPILE Date 11/18/15 Time 0920 Volume A, B, C, D

Sample Login 11/2013 ckt

Chain of Custody Anomaly/Sample Acceptance Form

Vista Analytical Laboratory

Client:	Tetra Tech	Workorder Number:	1501150
Contact:	Greg Council	Date Received:	19-Nov-15 09:30
Email:	Greg.Council@tetratech.com	Documented by/date:	B.Benedict 11/21/2015
Phone:	770-6199950		

Please review the following information and complete the Client Authorization section. To comply with NELAC regulations, we must receive authorization before proceeding with sample analysis.

Thank you,

Martha Maier
mmaier@vista-analytical.com
916-673-1520

The following information or item is needed to proceed with analysis:

☐	Complete Chain-of-Custody	☐	Preservative	☐	Collector's Name
☐	Test Method Requested	☐	Sample Identification	☐	Sample Type
☐	Analyte List Requested	☐	Sample Collection Date and/or Time	☐	Sample Location
☒	Other: Sample "**SOPILE 1**" sample jar empty.				

The following anomalies were noted. Authorization is needed to proceed with analysis.

☐ Temperature outside < 6°C Range Samples Affected: _____

Temperature _____°C Ice Present? Yes No Melted

☐	Sample ID Discrepancy	☐	Insufficient Sample Size
☐	Sample Holding Time Missed	☐	Sample Container(s) Broken
☐	Custody Seals Broken	☐	Incorrect Container Type

Comments:

Client Authorization

Proceed with Analysis: (YES) NO Signature and Date [signature] _____

Client Comments/Instructions per 11/25/15 email, SOPILE1 is composite of SOPILE1C, SOPILE1B, SOPILE1A, SOPILE1E & SOPILE1D

ALS Environmental
ALS Group USA, Corp
9143 Philips Highway, Suite 200
Jacksonville, FL 32256
T: 904-739-2277
F: 904-739-2011
www.alsglobal.com

February 03, 2016

Analytical Report for Service Request No: J1509885

Lisa Grogin
Tetra Tech
1165 Sanctuary Parkway
Suite 270
Alpaharetta, GA 30009

Laboratory Results for: Beazer Gainesville/117-2201363

Dear Lisa:

Enclosed are the results of the sample(s) submitted to our laboratory on December 12, 2015. For your reference, these analyses have been assigned our service request number **J1509885**.

All analyses were performed according to our laboratory's quality assurance program. The test results meet requirements of the NELAP standards except as noted in the case narrative report. All results are intended to be considered in their entirety, and ALS Environmental is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report. In accordance to the NELAC 2003 Standard, a statement on the estimated uncertainty of measurement of any quantitative analysis will be supplied upon request.

Please contact me if you have any questions. My extension is 4409. You may also contact me via email at mike.kimmel@alsglobal.com.

Respectfully submitted,

ALS Group USA Corp. dba ALS Environmental

Mike Kimmel
Project Manager

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Non CLP Tier IV (w/ Raw Data)

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This report contains a total of 531 pages

ALS Environmental

Client:	Beazer East, Inc.	**Service Request No.:**	J1509885
Project:	Beazer Gainesville	**Date Received:**	12/12/15
Sample Matrix:	Water and Soil		

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of ALS Environmental. This report contains analytical results for samples designated for Tier II data deliverables, including results of QC samples analyzed from this delivery group. When appropriate to the procedure, method blank results have been reported with each analytical test. Analytical procedures performed by the lab are validated in accordance with NELAC standards. Parameters that are included in the NELAC Fields of Testing but are not included in the lab's NELAC accreditation are identified in the discussion of each analytical procedure.

Sample Receipt

One blank and nine soil samples were received for analysis at ALS Environmental on 12/12/15. The samples were received in good condition and consistent with the accompanying chain of custody form. Samples are refrigerated at $\leq$6°C upon receipt at the lab except for aqueous samples designated for metals analyses, which are stored at room temperature.

Semi-Volatile Organic Analyses:

Method 8270D SIM: The control criteria for the following surrogate(s) in sample J1509885-001, -003, -004, -005, and -006 are not applicable: 2,4,6-Tribromophenol. The analysis of the sample required a dilution, which resulted in a surrogate concentration below the Method Reporting Limit (MRL). No further corrective action was appropriate.

Method 8270D SIM: The control criterion was exceeded for the following surrogates in the Continuing Calibration Verification (CCV): 2,4,6-Tribromophenol. The surrogate in question was within acceptance criteria for the associated field samples. The data quality was not significantly affected and no further corrective action was taken.

Method 8270D SIM: The lower control criterion was exceeded for the following analytes in the Continuing Calibration Verification (CCV): Pentachlorophenol. The analyte in question was not reported from this run. The data quality was not significantly affected and no further corrective action was taken.5

Metals Analyses: No discrepancies noted

General Chemistry Analyses: No discrepancies noted

Approved by _____ **Date** 02/03/16

Client: Tetra Tech
Project: Beazer Gainesville/117-2201363

Service Request: J1509885

SAMPLE CROSS-REFERENCE

SAMPLE #	CLIENT SAMPLE ID	DATE	TIME
J1509885-001	SDMSY 720A	12/11/15	10:30
J1509885-002	SDMSY 720B	12/11/15	10:40
J1509885-003	SDMSY 480A	12/11/15	12:45
J1509885-004	SDMSY 480B	12/11/15	12:57
J1509885-005	SDMSY 240A	12/11/15	13:20
J1509885-006	SDMSY 240B	12/11/15	13:32
J1509885-007	EB SDMSY	12/11/15	14:20
J1509885-008	SDMSY 010A	12/11/15	14:35
J1509885-009	SDMSY FD1	12/11/15	14:35
J1509885-010	SDMSY 010B	12/11/15	14:55

ALS Environmental

State Certifications, Accreditations, and Licenses

Agency	Number	Expire Date
Department of Defense	66206	9/20/2016
Florida Department of Health	E82502	6/30/2016
Georgia Department of Natural Resources	958	6/30/2016
Kentucky Division of Waste Management	63	6/30/2016
Louisiana Department of Environmental Quality	02086	6/30/2016
Maine Department of Health and Human Services	2015002	2/3/2017
North Carolina Department of Environment and Natural Resources	527	12/31/2016
Pennsylvania Department of Environmental Protection	68-04835	8/31/2016
South Carolina Department of Health and Environmental Control	96021001	6/30/2016
Texas Commision on Environmental Quality	T104704197-13-5	5/31/2016
Virginia Environmental Accreditation Program	460191	12/14/2016

Florida DEP Data Qualifiers

B	Results based upon colony counts outside the acceptable range.
D	Measurement was made in the field.
H	Value based on field kit determination; results may not be accurate.
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
J	Estimated value (one of the following reasons is discussed in the project case narrative). 1. The result may be inaccurate because the surrogate recovery limits have been exceeded. 2. No known quality control criteria exists for the component. 3. The reported value failed to meet the established quality control criteria for either precision or accuracy. 4. The sample matrix interfered with the ability to make any accurate determination (e.g., primary and confirmation results show greater than 40% RPD). 5. The data is questionable because of improper laboratory or field protocols (e.g., GC/MS Tune did not meet method criteria).
K	Off scale low. The value is less than the lowest calibration standard but greater than the method reporting limit (MRL).
L	Off scale high. The analyte is above the upper limit of the linear calibration range.
M	The MDL/MRL has been elevated because the analyte could not be accurately quantified due to matrix interference.
N	Presumptive evidence of the analyte. Confirmation was not performed.
Q	Sample held beyond the accepted holding time.
T	Value reported is less than the laboratory method detection limit. The value is reported for informational purposes only.
U	Indicates that the compound was analyzed for but not detected.
V	Indicates that the analyte was detected in both the sample and the associated method blank.
Y	The laboratory analysis was from an improperly preserved sample.
Z	Too many colonies were present (TNTC). The numeric value represents the filtration volume.

Acronyms

ASTM	American Society for Testing and Materials
A2LA	American Association for Laboratory Accreditation
CARB	California Air Resources Board
CAS Number	Chemical Abstract Service registry Number
CFC	Chlorofluorocarbon
CFU	Colony-Forming Unit
DEC	Department of Environmental Conservation
DEQ	Department of Environmental Quality
DHS	Department of Health Services
DOE	Department of Ecology
DOH	Department of Health
EPA	U. S. Environmental Protection Agency
ELAP	Environmental Laboratory Accreditation Program
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
LUFT	Leaking Underground Fuel Tank
M	Modified
MCL	Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA.
MDL	Method Detection Limit
MPN	Most Probable Number
MRL	Method Reporting Limit
NA	Not Applicable
NC	Not Calculated
NCASI	National Council of the Paper Industry for Air and Stream Improvement
ND	Not Detected
NIOSH	National Institute for Occupational Safety and Health
PQL	Practical Quantitation Limit
RCRA	Resource Conservation and Recovery Act
SIM	Selected Ion Monitoring
TPH	Total Petroleum Hydrocarbons
tr	Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL.

Chain of Custody Documentation

9143 Philips Highway, Suite 200
Jacksonville, Florida 32256
Phone: (904) 739-2277 Fax (904) 739-2011
www.alsglobal.com

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

ALS Environmental

9143 Philips Highway, Ste 200 • Jacksonville, FL 32256 (904) 739-2277 • 800-695-7222 x06 • FAX (904) 739-2011

PAGE 1 OF 1

SR# 5150985

CAS Contract

Project Name: Beazer Gainesville	Project Number: 117-220363
Project Manager: Greg Council	Email Address: Greg.Council@tetratech.com
Company/Address: 1165 Sanctuary Pkwy Ste 270, Alpharetta, GA 30009	
Phone #: 770.619.9950	FAX #: 770.619.9903
Sampler's Signature:	Sampler's Printed Name: Ben Marshall

ANALYSIS REQUESTED (Include Method Number and [redacted])

PRESERVATIVE

NUMBER OF CONTAINERS | PCP + PAHs | Arsenic

1. None
2. HNO_3
3. H_2SO_4
4. NaOH
5. Zn. Acetate
6. MeOH
7. $NaHSO_4$
8. Other _____

REMARKS/ ALTERNATE DESCRIPTION

CLIENT SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	# CONTAINERS	PCP + PAHs	Arsenic	REMARKS/ ALTERNATE DESCRIPTION
SDMSY 720A		12-11-15	10:30	SO	1	X	X	
SDMSY 720B			10:40		1			
SDMSY 480A			12:45		1			
SDMSY 480B			12:57		1			
SDMSY 240A			1:20		1			
SDMSY 240B			1:32		1			
EBSDMSY			2:20	Water	6	X	X	HNO_3 pres for As
SDMSY 010A			2:35	SO	1			
SDMSY FD1			2:35		1			
SDMSY 010B			2:55		1			

SPECIAL INSTRUCTIONS/COMMENTS

Analyze all

See QAPP ☐

SAMPLE RECEIPT: CONDITION/COOLER TEMP: 3.8°C CUSTODY SEALS: Y N

TURNAROUND REQUIREMENTS

_____ RUSH (SURCHARGES APPLY)

_____ STANDARD

REQUESTED FAX DATE

_____

REQUESTED REPORT DATE

_____

REPORT REQUIREMENTS

_____ I. Results Only

_____ II. Results + QC Summaries (LCS, DUP, MS/MSD as required)

_____ III. Results + QC and Calibration Summaries

_____ IV. Data Validation Report with Raw Data

_____ V. Specialized Forms / Custom Report

Edata _____ Yes _____ No

INVOICE INFORMATION

PO #

BILL TO:

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature	Signature	Signature	Signature	Signature	Signature
Printed Name: Ben Marshall	Printed Name	Printed Name	Printed Name	Printed Name	Printed Name
Firm: Tetra Tech	Firm: ALS	Firm	Firm	Firm	Firm
Date/Time: 12/12/15 10:18	Date/Time: 12/12/15 1048	Date/Time	Date/Time	Date/Time	Date/Time

Distribution: White - Return to Originator; Yellow - Retained by Client

ALS Environmental

Cooler Receipt Form

Client: Tetra Tech Service Request #: J1509885

Project: Beazer Gainesville

Cooler received on 12/12/15 and opened on 12/14/15 by SC

COURIER: ALS UPS FEDEX (Client) Other _____ Airbill # _____

1	Were custody seals on outside of cooler?	Yes	(No)		
	If yes, how many and where?	#:___ on lid		other	
2	Were seals intact and signature and date correct?	Yes	No	(N/A)	
3	Were custody papers properly filled out?	(Yes)	No	N/A	
4	Temperature of cooler(s) upon receipt (Should be 0°C and ≤ 6°C)	3.8°C			
5	Thermometer ID	TR4			
6	Temperature Blank Present?	(Yes)	No		
7	Were Ice or Ice Packs present	(Ice)	Ice Packs	No	
8	Did all bottles arrive in good condition (unbroken, etc....)?	(Yes)	No	N/A	
9	Type of packing material present	(Netting)	Vial Holder	(Bubble Wrap)	
		Paper	Styrofoam	Other	N/A
10	Were all bottle labels complete (sample ID, preservation, etc....)?	(Yes)	No	N/A	
11	Did all bottle labels and tags agree with custody papers?	(Yes)	No	N/A	
12	Were the correct bottles used for the tests indicated?	(Yes)	No	N/A	
13	Were all of the preserved bottles received with the appropriate preservative?	(Yes)	No	N/A	
	(HNO3 pH<2) H2SO4 pH<2 ZnAc2/NaOH pH>9 NaOH pH>12 HCl pH<2				
	Preservative additions noted below				
14	Were all samples received within analysis holding times?	(Yes)	No	N/A	
15	Were all VOA vials free of air bubbles? If present, note below	Yes	No	(N/A)	
16	Where did the bottles originate?	(ALS)	Client		

Sample ID	Reagent	Lot #	ml added	Initials Date/Time

Additional comments and/or explanation of all discrepancies noted above:

Client approval to run samples if discrepancies noted: Date: 10

ALS Environmental

Jacksonville Laboratory
Condition Upon Receipt - Sample pH

SR # J 2509885 Date: 12/14/15 Initials: SC

Note that pH is checked and meets the required pH criterion listed in the column heading unless otherwise noted on the cooler receipt form.

	40mL	40mL	40mL	125mL	125mL	125mL	125mL	250mL	250mL	250mL	250mL	250mL	250mL	250mL	500mL	500mL	500mL	500mL	500mL	1L	1L	1L	1L	1L	2oz	4oz	8oz	16oz	100ml	Ziplock	Misc.	
Container	G	G	G	P	P	P	P	P	P	P	P	P	G	G	P	P	P	P	G	P	P	G	G	G	G	G	G	G	P	P	Misc.	
Preserve	N/A	HCl	Na2 S2O3	N/A	HCl	H2SO4	HNO3	N/A	H2SO4	HNO3	ZnAc2/ NaOH	NaOH	N/A	HNO3	N/A	HCl	H2SO4	HNO3	N/A	N/A	HNO3	N/A	HCl	H2SO4	N/A	N/A	N/A	N/A	Na2 S2O3	N/A	N/A	
Req. pH	N/A	<2	N/A	N/A	<2	<2	<2	N/A	<2	<2	>9	>12	N/A	<2	N/A	<2	<2	<2	N/A	N/A	<2	N/A	<2	<2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Sample #	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-1																																-1
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-39																																-39
-40																																-40

Note: VOA pH checks are performed by the analytical area, not sample control.

CUR Preservation Checklist

Summary Package

9143 Philips Highway, Suite 200
Jacksonville, Florida 32256
Phone: (904) 739-2277 Fax (904) 739-2011
www.alsglobal.com

Organics Analysis:

Semivolatile Organic Compounds by GC/MS SIM

Summary Package

Sample and QC Results

Client: Beazer East, Inc.
Project: Beazer Gainesville/117-2201363

Service Request: J1509885

Semivolatile Organic Compounds by GC/MS SIM

Sample Name	Lab Code	Date Collected	Date Received
SDMSY 720A	J1509885-001	12/11/2015	12/12/2015
SDMSY 720B	J1509885-002	12/11/2015	12/12/2015
SDMSY 480A	J1509885-003	12/11/2015	12/12/2015
SDMSY 480B	J1509885-004	12/11/2015	12/12/2015
SDMSY 240A	J1509885-005	12/11/2015	12/12/2015
SDMSY 240B	J1509885-006	12/11/2015	12/12/2015
EB SDMSY	J1509885-007	12/11/2015	12/12/2015
SDMSY 010A	J1509885-008	12/11/2015	12/12/2015
SDMSY FD1	J1509885-009	12/11/2015	12/12/2015
SDMSY 010B	J1509885-010	12/11/2015	12/12/2015

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed in the case narrative. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Mike Kimmel
Name: Mike Kimmel
Date: 02/03/16
Title: Lab Director

Client:	Beazer East, Inc.	**Service Request:**	J1509885
Project:	Beazer Gainesville/117-2201363	**Date Collected:**	12/11/15 1030
Sample Matrix:	Soil	**Date Received:**	12/12/15
Sample Name:	SDMSY 720A	**Units:**	µg/Kg
Lab Code:	J1509885-001	**Basis:**	Dry
		Percent Solids:	100

Semivolatile Organic Compounds by GC/MS SIM

Analytical Method: 8270D SIM
Prep Method: EPA 3546

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1-Methylnaphthalene	ND	U	33.6	10	12/15/15	12/17/15 01:30	252085	476661	
2-Methylnaphthalene	ND	U	33.6	10	12/15/15	12/17/15 01:30	252085	476661	
Acenaphthene	ND	U	67.3	10	12/15/15	12/17/15 01:30	252085	476661	
Acenaphthylene	**250**		67.3	10	12/15/15	12/17/15 01:30	252085	476661	
Anthracene	**474**		33.6	10	12/15/15	12/17/15 01:30	252085	476661	
Benz(a)anthracene	**814**		33.6	10	12/15/15	12/17/15 01:30	252085	476661	
Benzo(a)pyrene	**718**		33.6	10	12/15/15	12/17/15 01:30	252085	476661	
Benzo(b)fluoranthene	**1680**		33.6	10	12/15/15	12/17/15 01:30	252085	476661	
Benzo(g,h,i)perylene	**558**		33.6	10	12/15/15	12/17/15 01:30	252085	476661	
Benzo(k)fluoranthene	**503**		33.6	10	12/15/15	12/17/15 01:30	252085	476661	
Chrysene	**1020**		33.6	10	12/15/15	12/17/15 01:30	252085	476661	
Dibenz(a,h)anthracene	**146**		33.6	10	12/15/15	12/17/15 01:30	252085	476661	
Fluoranthene	**1880**		33.6	10	12/15/15	12/17/15 01:30	252085	476661	
Fluorene	ND	U	33.6	10	12/15/15	12/17/15 01:30	252085	476661	
Indeno(1,2,3-cd)pyrene	**524**		33.6	10	12/15/15	12/17/15 01:30	252085	476661	
Naphthalene	ND	U	33.6	10	12/15/15	12/17/15 01:30	252085	476661	
Pentachlorophenol (PCP)	**1190**		336	10	12/15/15	12/17/15 01:30	252085	476661	
Phenanthrene	**152**		67.3	10	12/15/15	12/17/15 01:30	252085	476661	
Pyrene	**1650**		33.6	10	12/15/15	12/17/15 01:30	252085	476661	

Surrogate Name	%Rec		Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	174	*	34-166	12/17/15 01:30	
2-Fluorobiphenyl	59		30-118	12/17/15 01:30	
p-Terphenyl-d14	66		41-146	12/17/15 01:30	

Client:	Beazer East, Inc.	**Service Request:**	J1509885
Project:	Beazer Gainesville/117-2201363	**Date Collected:**	12/11/15 1040
Sample Matrix:	Soil	**Date Received:**	12/12/15
Sample Name:	SDMSY 720B	**Units:**	µg/Kg
Lab Code:	J1509885-002	**Basis:**	Dry
		Percent Solids:	100

Semivolatile Organic Compounds by GC/MS SIM

Analytical Method: 8270D SIM
Prep Method: EPA 3546

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1-Methylnaphthalene	ND	U	35.3	10	12/15/15	12/17/15 01:56	252085	476661	
2-Methylnaphthalene	ND	U	35.3	10	12/15/15	12/17/15 01:56	252085	476661	
Acenaphthene	ND	U	70.6	10	12/15/15	12/17/15 01:56	252085	476661	
Acenaphthylene	**212**		70.6	10	12/15/15	12/17/15 01:56	252085	476661	
Anthracene	**472**		35.3	10	12/15/15	12/17/15 01:56	252085	476661	
Benz(a)anthracene	**1040**		35.3	10	12/15/15	12/17/15 01:56	252085	476661	
Benzo(a)pyrene	**705**		35.3	10	12/15/15	12/17/15 01:56	252085	476661	
Benzo(b)fluoranthene	**1820**		35.3	10	12/15/15	12/17/15 01:56	252085	476661	
Benzo(g,h,i)perylene	**535**		35.3	10	12/15/15	12/17/15 01:56	252085	476661	
Benzo(k)fluoranthene	**533**		35.3	10	12/15/15	12/17/15 01:56	252085	476661	
Chrysene	**1280**		35.3	10	12/15/15	12/17/15 01:56	252085	476661	
Dibenz(a,h)anthracene	**142**		35.3	10	12/15/15	12/17/15 01:56	252085	476661	
Fluoranthene	**2560**		35.3	10	12/15/15	12/17/15 01:56	252085	476661	
Fluorene	ND	U	35.3	10	12/15/15	12/17/15 01:56	252085	476661	
Indeno(1,2,3-cd)pyrene	**500**		35.3	10	12/15/15	12/17/15 01:56	252085	476661	
Naphthalene	ND	U	35.3	10	12/15/15	12/17/15 01:56	252085	476661	
Pentachlorophenol (PCP)	**659**		353	10	12/15/15	12/17/15 01:56	252085	476661	
Phenanthrene	**265**		70.6	10	12/15/15	12/17/15 01:56	252085	476661	
Pyrene	**2150**		35.3	10	12/15/15	12/17/15 01:56	252085	476661	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	164	34-166	12/17/15 01:56	
2-Fluorobiphenyl	67	30-118	12/17/15 01:56	
p-Terphenyl-d14	79	41-146	12/17/15 01:56	

Client:	Beazer East, Inc.	**Service Request:**	J1509885
Project:	Beazer Gainesville/117-2201363	**Date Collected:**	12/11/15 1245
Sample Matrix:	Soil	**Date Received:**	12/12/15
Sample Name:	SDMSY 480A	**Units:**	µg/Kg
Lab Code:	J1509885-003	**Basis:**	Dry
		Percent Solids:	100

Semivolatile Organic Compounds by GC/MS SIM

Analytical Method: 8270D SIM
Prep Method: EPA 3546

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1-Methylnaphthalene	ND	U	69.7	20	12/15/15	12/17/15 02:23	252085	476661	
2-Methylnaphthalene	ND	U	69.7	20	12/15/15	12/17/15 02:23	252085	476661	
Acenaphthene	ND	U	139	20	12/15/15	12/17/15 02:23	252085	476661	
Acenaphthylene	**444**		139	20	12/15/15	12/17/15 02:23	252085	476661	
Anthracene	**970**		69.7	20	12/15/15	12/17/15 02:23	252085	476661	
Benz(a)anthracene	**1020**		69.7	20	12/15/15	12/17/15 02:23	252085	476661	
Benzo(a)pyrene	**912**		69.7	20	12/15/15	12/17/15 02:23	252085	476661	
Benzo(b)fluoranthene	**2370**		69.7	20	12/15/15	12/17/15 02:23	252085	476661	
Benzo(g,h,i)perylene	**988**		69.7	20	12/15/15	12/17/15 02:23	252085	476661	
Benzo(k)fluoranthene	**755**		69.7	20	12/15/15	12/17/15 02:23	252085	476661	
Chrysene	**1380**		69.7	20	12/15/15	12/17/15 02:23	252085	476661	
Dibenz(a,h)anthracene	**218**		69.7	20	12/15/15	12/17/15 02:23	252085	476661	
Fluoranthene	**2480**		69.7	20	12/15/15	12/17/15 02:23	252085	476661	
Fluorene	ND	U	69.7	20	12/15/15	12/17/15 02:23	252085	476661	
Indeno(1,2,3-cd)pyrene	**824**		69.7	20	12/15/15	12/17/15 02:23	252085	476661	
Naphthalene	ND	U	69.7	20	12/15/15	12/17/15 02:23	252085	476661	
Pentachlorophenol (PCP)	**1630**		697	20	12/15/15	12/17/15 02:23	252085	476661	
Phenanthrene	**453**		139	20	12/15/15	12/17/15 02:23	252085	476661	
Pyrene	**2190**		69.7	20	12/15/15	12/17/15 02:23	252085	476661	

Surrogate Name	%Rec		Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	187	*	34-166	12/17/15 02:23	
2-Fluorobiphenyl	71		30-118	12/17/15 02:23	
p-Terphenyl-d14	94		41-146	12/17/15 02:23	

Client:	Beazer East, Inc.	**Service Request:**	J1509885
Project:	Beazer Gainesville/117-2201363	**Date Collected:**	12/11/15 1257
Sample Matrix:	Soil	**Date Received:**	12/12/15
Sample Name:	SDMSY 480B	**Units:**	µg/Kg
Lab Code:	J1509885-004	**Basis:**	Dry
		Percent Solids:	100

Semivolatile Organic Compounds by GC/MS SIM

Analytical Method: 8270D SIM
Prep Method: EPA 3546

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1-Methylnaphthalene	ND	U	69.7	20	12/15/15	12/17/15 02:49	252085	476661	
2-Methylnaphthalene	ND	U	69.7	20	12/15/15	12/17/15 02:49	252085	476661	
Acenaphthene	ND	U	139	20	12/15/15	12/17/15 02:49	252085	476661	
Acenaphthylene	**604**		139	20	12/15/15	12/17/15 02:49	252085	476661	
Anthracene	**1440**		69.7	20	12/15/15	12/17/15 02:49	252085	476661	
Benz(a)anthracene	**1000**		69.7	20	12/15/15	12/17/15 02:49	252085	476661	
Benzo(a)pyrene	**1030**		69.7	20	12/15/15	12/17/15 02:49	252085	476661	
Benzo(b)fluoranthene	**2590**		69.7	20	12/15/15	12/17/15 02:49	252085	476661	
Benzo(g,h,i)perylene	**1220**		69.7	20	12/15/15	12/17/15 02:49	252085	476661	
Benzo(k)fluoranthene	**820**		69.7	20	12/15/15	12/17/15 02:49	252085	476661	
Chrysene	**1290**		69.7	20	12/15/15	12/17/15 02:49	252085	476661	
Dibenz(a,h)anthracene	**252**		69.7	20	12/15/15	12/17/15 02:49	252085	476661	
Fluoranthene	**1810**		69.7	20	12/15/15	12/17/15 02:49	252085	476661	
Fluorene	**71.0**		69.7	20	12/15/15	12/17/15 02:49	252085	476661	
Indeno(1,2,3-cd)pyrene	**945**		69.7	20	12/15/15	12/17/15 02:49	252085	476661	
Naphthalene	**114**		69.7	20	12/15/15	12/17/15 02:49	252085	476661	
Pentachlorophenol (PCP)	**3150**		697	20	12/15/15	12/17/15 02:49	252085	476661	
Phenanthrene	**358**		139	20	12/15/15	12/17/15 02:49	252085	476661	
Pyrene	**1940**		69.7	20	12/15/15	12/17/15 02:49	252085	476661	

Surrogate Name	%Rec		Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	207	*	34-166	12/17/15 02:49	
2-Fluorobiphenyl	87		30-118	12/17/15 02:49	
p-Terphenyl-d14	93		41-146	12/17/15 02:49	

Client:	Beazer East, Inc.	**Service Request:**	J1509885
Project:	Beazer Gainesville/117-2201363	**Date Collected:**	12/11/15 1320
Sample Matrix:	Soil	**Date Received:**	12/12/15
Sample Name:	SDMSY 240A	**Units:**	µg/Kg
Lab Code:	J1509885-005	**Basis:**	Dry
		Percent Solids:	100

Semivolatile Organic Compounds by GC/MS SIM

Analytical Method: 8270D SIM
Prep Method: EPA 3546

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1-Methylnaphthalene	ND	U	34.3	10	12/15/15	12/17/15 03:13	252085	476661	
2-Methylnaphthalene	ND	U	34.3	10	12/15/15	12/17/15 03:13	252085	476661	
Acenaphthene	ND	U	68.6	10	12/15/15	12/17/15 03:13	252085	476661	
Acenaphthylene	**218**		68.6	10	12/15/15	12/17/15 03:13	252085	476661	
Anthracene	**474**		34.3	10	12/15/15	12/17/15 03:13	252085	476661	
Benz(a)anthracene	**663**		34.3	10	12/15/15	12/17/15 03:13	252085	476661	
Benzo(a)pyrene	**696**		34.3	10	12/15/15	12/17/15 03:13	252085	476661	
Benzo(b)fluoranthene	**1730**		34.3	10	12/15/15	12/17/15 03:13	252085	476661	
Benzo(g,h,i)perylene	**553**		34.3	10	12/15/15	12/17/15 03:13	252085	476661	
Benzo(k)fluoranthene	**506**		34.3	10	12/15/15	12/17/15 03:13	252085	476661	
Chrysene	**871**		34.3	10	12/15/15	12/17/15 03:13	252085	476661	
Dibenz(a,h)anthracene	**140**		34.3	10	12/15/15	12/17/15 03:13	252085	476661	
Fluoranthene	**933**		34.3	10	12/15/15	12/17/15 03:13	252085	476661	
Fluorene	ND	U	34.3	10	12/15/15	12/17/15 03:13	252085	476661	
Indeno(1,2,3-cd)pyrene	**497**		34.3	10	12/15/15	12/17/15 03:13	252085	476661	
Naphthalene	**36.3**		34.3	10	12/15/15	12/17/15 03:13	252085	476661	
Pentachlorophenol (PCP)	**745**		343	10	12/15/15	12/17/15 03:13	252085	476661	
Phenanthrene	**109**		68.6	10	12/15/15	12/17/15 03:13	252085	476661	
Pyrene	**1150**		34.3	10	12/15/15	12/17/15 03:13	252085	476661	

Surrogate Name	%Rec		Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	173	*	34-166	12/17/15 03:13	
2-Fluorobiphenyl	71		30-118	12/17/15 03:13	
p-Terphenyl-d14	73		41-146	12/17/15 03:13	

Client:	Beazer East, Inc.	**Service Request:**	J1509885
Project:	Beazer Gainesville/117-2201363	**Date Collected:**	12/11/15 1332
Sample Matrix:	Soil	**Date Received:**	12/12/15
Sample Name:	SDMSY 240B	**Units:**	µg/Kg
Lab Code:	J1509885-006	**Basis:**	Dry
		Percent Solids:	99

Semivolatile Organic Compounds by GC/MS SIM

Analytical Method: 8270D SIM
Prep Method: EPA 3546

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1-Methylnaphthalene	ND	U	33.8	10	12/15/15	12/17/15 03:37	252085	476661	
2-Methylnaphthalene	ND	U	33.8	10	12/15/15	12/17/15 03:37	252085	476661	
Acenaphthene	ND	U	67.6	10	12/15/15	12/17/15 03:37	252085	476661	
Acenaphthylene	**220**		67.6	10	12/15/15	12/17/15 03:37	252085	476661	
Anthracene	**406**		33.8	10	12/15/15	12/17/15 03:37	252085	476661	
Benz(a)anthracene	**465**		33.8	10	12/15/15	12/17/15 03:37	252085	476661	
Benzo(a)pyrene	**426**		33.8	10	12/15/15	12/17/15 03:37	252085	476661	
Benzo(b)fluoranthene	**1110**		33.8	10	12/15/15	12/17/15 03:37	252085	476661	
Benzo(g,h,i)perylene	**446**		33.8	10	12/15/15	12/17/15 03:37	252085	476661	
Benzo(k)fluoranthene	**317**		33.8	10	12/15/15	12/17/15 03:37	252085	476661	
Chrysene	**596**		33.8	10	12/15/15	12/17/15 03:37	252085	476661	
Dibenz(a,h)anthracene	**102**		33.8	10	12/15/15	12/17/15 03:37	252085	476661	
Fluoranthene	**966**		33.8	10	12/15/15	12/17/15 03:37	252085	476661	
Fluorene	ND	U	33.8	10	12/15/15	12/17/15 03:37	252085	476661	
Indeno(1,2,3-cd)pyrene	**375**		33.8	10	12/15/15	12/17/15 03:37	252085	476661	
Naphthalene	**34.5**		33.8	10	12/15/15	12/17/15 03:37	252085	476661	
Pentachlorophenol (PCP)	**977**		338	10	12/15/15	12/17/15 03:37	252085	476661	
Phenanthrene	**141**		67.6	10	12/15/15	12/17/15 03:37	252085	476661	
Pyrene	**961**		33.8	10	12/15/15	12/17/15 03:37	252085	476661	

Surrogate Name	%Rec		Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	174	*	34-166	12/17/15 03:37	
2-Fluorobiphenyl	75		30-118	12/17/15 03:37	
p-Terphenyl-d14	72		41-146	12/17/15 03:37	

Client:	Beazer East, Inc.	**Service Request:**	J1509885
Project:	Beazer Gainesville/117-2201363	**Date Collected:**	12/11/15 1420
Sample Matrix:	Water	**Date Received:**	12/12/15
Sample Name:	EB SDMSY	**Units:**	µg/L
Lab Code:	J1509885-007	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS SIM

Analytical Method: 8270D SIM
Prep Method: EPA 3510C

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1-Methylnaphthalene	ND	U	0.102	0.0449	1	12/16/15	12/17/15 08:10	252143	476855	
2-Methylnaphthalene	ND	U	0.102	0.0449	1	12/16/15	12/17/15 08:10	252143	476855	
Acenaphthene	ND	U	0.102	0.0419	1	12/16/15	12/17/15 08:10	252143	476855	
Acenaphthylene	ND	U	0.102	0.0256	1	12/16/15	12/17/15 08:10	252143	476855	
Anthracene	ND	U	0.102	0.0388	1	12/16/15	12/17/15 08:10	252143	476855	
Benz(a)anthracene	ND	U	0.102	0.0358	1	12/16/15	12/17/15 08:10	252143	476855	
Benzo(a)pyrene	ND	U	0.102	0.0317	1	12/16/15	12/17/15 08:10	252143	476855	
Benzo(b)fluoranthene	ND	U	0.102	0.0256	1	12/16/15	12/17/15 08:10	252143	476855	
Benzo(g,h,i)perylene	ND	U	0.102	0.0398	1	12/16/15	12/17/15 08:10	252143	476855	
Benzo(k)fluoranthene	ND	U	0.102	0.0358	1	12/16/15	12/17/15 08:10	252143	476855	
Chrysene	ND	U	0.102	0.0245	1	12/16/15	12/17/15 08:10	252143	476855	
Dibenz(a,h)anthracene	ND	U	0.102	0.0368	1	12/16/15	12/17/15 08:10	252143	476855	
Fluoranthene	ND	U	0.102	0.0398	1	12/16/15	12/17/15 08:10	252143	476855	
Fluorene	ND	U	0.102	0.0480	1	12/16/15	12/17/15 08:10	252143	476855	
Indeno(1,2,3-cd)pyrene	ND	U	0.102	0.0409	1	12/16/15	12/17/15 08:10	252143	476855	
Naphthalene	ND	U	0.102	0.0398	1	12/16/15	12/17/15 08:10	252143	476855	
Pentachlorophenol (PCP)	ND	U	1.02	0.0398	1	12/16/15	12/17/15 08:10	252143	476855	
Phenanthrene	ND	U	0.102	0.0358	1	12/16/15	12/17/15 08:10	252143	476855	
Pyrene	ND	U	0.102	0.0317	1	12/16/15	12/17/15 08:10	252143	476855	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	78	11-163	12/17/15 08:10	
2-Fluorobiphenyl	58	22-105	12/17/15 08:10	
p-Terphenyl-d14	86	25-127	12/17/15 08:10	

Client:	Beazer East, Inc.	**Service Request:**	J1509885
Project:	Beazer Gainesville/117-2201363	**Date Collected:**	12/11/15 1435
Sample Matrix:	Soil	**Date Received:**	12/12/15
Sample Name:	SDMSY 010A	**Units:**	µg/Kg
Lab Code:	J1509885-008	**Basis:**	Dry
		Percent Solids:	100

Semivolatile Organic Compounds by GC/MS SIM

Analytical Method: 8270D SIM
Prep Method: EPA 3546

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1-Methylnaphthalene	ND	U	67.9	20	12/17/15	12/18/15 01:59	252240	476973	
2-Methylnaphthalene	ND	U	67.9	20	12/17/15	12/18/15 01:59	252240	476973	
Acenaphthene	ND	U	136	20	12/17/15	12/18/15 01:59	252240	476973	
Acenaphthylene	**297**		136	20	12/17/15	12/18/15 01:59	252240	476973	
Anthracene	**583**		67.9	20	12/17/15	12/18/15 01:59	252240	476973	
Benz(a)anthracene	**1300**		67.9	20	12/17/15	12/18/15 01:59	252240	476973	
Benzo(a)pyrene	**952**		67.9	20	12/17/15	12/18/15 01:59	252240	476973	
Benzo(b)fluoranthene	**2510**		67.9	20	12/17/15	12/18/15 01:59	252240	476973	
Benzo(g,h,i)perylene	**777**		67.9	20	12/17/15	12/18/15 01:59	252240	476973	
Benzo(k)fluoranthene	**782**		67.9	20	12/17/15	12/18/15 01:59	252240	476973	
Chrysene	**1580**		67.9	20	12/17/15	12/18/15 01:59	252240	476973	
Dibenz(a,h)anthracene	**206**		67.9	20	12/17/15	12/18/15 01:59	252240	476973	
Fluoranthene	**2830**		67.9	20	12/17/15	12/18/15 01:59	252240	476973	
Fluorene	ND	U	67.9	20	12/17/15	12/18/15 01:59	252240	476973	
Indeno(1,2,3-cd)pyrene	**708**		67.9	20	12/17/15	12/18/15 01:59	252240	476973	
Naphthalene	ND	U	67.9	20	12/17/15	12/18/15 01:59	252240	476973	
Pentachlorophenol (PCP)	**1000**		679	20	12/17/15	12/18/15 01:59	252240	476973	
Phenanthrene	ND	U	136	20	12/17/15	12/18/15 01:59	252240	476973	
Pyrene	**2780**		67.9	20	12/17/15	12/18/15 01:59	252240	476973	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	142	34-166	12/18/15 01:59	
2-Fluorobiphenyl	60	30-118	12/18/15 01:59	
p-Terphenyl-d14	75	41-146	12/18/15 01:59	

Client:	Beazer East, Inc.	**Service Request:**	J1509885
Project:	Beazer Gainesville/117-2201363	**Date Collected:**	12/11/15 1435
Sample Matrix:	Soil	**Date Received:**	12/12/15
Sample Name:	SDMSY FD1	**Units:**	µg/Kg
Lab Code:	J1509885-009	**Basis:**	Dry
		Percent Solids:	100

Semivolatile Organic Compounds by GC/MS SIM

Analytical Method: 8270D SIM
Prep Method: EPA 3546

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1-Methylnaphthalene	ND	U	68.1	20	12/17/15	12/18/15 02:24	252240	476973	
2-Methylnaphthalene	ND	U	68.1	20	12/17/15	12/18/15 02:24	252240	476973	
Acenaphthene	ND	U	136	20	12/17/15	12/18/15 02:24	252240	476973	
Acenaphthylene	**302**		136	20	12/17/15	12/18/15 02:24	252240	476973	
Anthracene	**663**		68.1	20	12/17/15	12/18/15 02:24	252240	476973	
Benz(a)anthracene	**1130**		68.1	20	12/17/15	12/18/15 02:24	252240	476973	
Benzo(a)pyrene	**731**		68.1	20	12/17/15	12/18/15 02:24	252240	476973	
Benzo(b)fluoranthene	**1790**		68.1	20	12/17/15	12/18/15 02:24	252240	476973	
Benzo(g,h,i)perylene	**677**		68.1	20	12/17/15	12/18/15 02:24	252240	476973	
Benzo(k)fluoranthene	**598**		68.1	20	12/17/15	12/18/15 02:24	252240	476973	
Chrysene	**1240**		68.1	20	12/17/15	12/18/15 02:24	252240	476973	
Dibenz(a,h)anthracene	**154**		68.1	20	12/17/15	12/18/15 02:24	252240	476973	
Fluoranthene	**3220**		68.1	20	12/17/15	12/18/15 02:24	252240	476973	
Fluorene	ND	U	68.1	20	12/17/15	12/18/15 02:24	252240	476973	
Indeno(1,2,3-cd)pyrene	**565**		68.1	20	12/17/15	12/18/15 02:24	252240	476973	
Naphthalene	ND	U	68.1	20	12/17/15	12/18/15 02:24	252240	476973	
Pentachlorophenol (PCP)	**1630**		681	20	12/17/15	12/18/15 02:24	252240	476973	
Phenanthrene	**444**		136	20	12/17/15	12/18/15 02:24	252240	476973	
Pyrene	**2650**		68.1	20	12/17/15	12/18/15 02:24	252240	476973	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	133	34-166	12/18/15 02:24	
2-Fluorobiphenyl	66	30-118	12/18/15 02:24	
p-Terphenyl-d14	81	41-146	12/18/15 02:24	

Client:	Beazer East, Inc.	**Service Request:**	J1509885
Project:	Beazer Gainesville/117-2201363	**Date Collected:**	12/11/15 1455
Sample Matrix:	Soil	**Date Received:**	12/12/15
Sample Name:	SDMSY 010B	**Units:**	µg/Kg
Lab Code:	J1509885-010	**Basis:**	Dry
		Percent Solids:	100

Semivolatile Organic Compounds by GC/MS SIM

Analytical Method: 8270D SIM
Prep Method: EPA 3546

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1-Methylnaphthalene	ND	U	16.9	5	12/17/15	12/18/15 02:50	252240	476973	
2-Methylnaphthalene	ND	U	16.9	5	12/17/15	12/18/15 02:50	252240	476973	
Acenaphthene	ND	U	33.9	5	12/17/15	12/18/15 02:50	252240	476973	
Acenaphthylene	**86.8**		33.9	5	12/17/15	12/18/15 02:50	252240	476973	
Anthracene	**181**		16.9	5	12/17/15	12/18/15 02:50	252240	476973	
Benz(a)anthracene	**161**		16.9	5	12/17/15	12/18/15 02:50	252240	476973	
Benzo(a)pyrene	**170**		16.9	5	12/17/15	12/18/15 02:50	252240	476973	
Benzo(b)fluoranthene	**414**		16.9	5	12/17/15	12/18/15 02:50	252240	476973	
Benzo(g,h,i)perylene	**188**		16.9	5	12/17/15	12/18/15 02:50	252240	476973	
Benzo(k)fluoranthene	**142**		16.9	5	12/17/15	12/18/15 02:50	252240	476973	
Chrysene	**217**		16.9	5	12/17/15	12/18/15 02:50	252240	476973	
Dibenz(a,h)anthracene	**40.9**		16.9	5	12/17/15	12/18/15 02:50	252240	476973	
Fluoranthene	**261**		16.9	5	12/17/15	12/18/15 02:50	252240	476973	
Fluorene	ND	U	16.9	5	12/17/15	12/18/15 02:50	252240	476973	
Indeno(1,2,3-cd)pyrene	**152**		16.9	5	12/17/15	12/18/15 02:50	252240	476973	
Naphthalene	**23.8**		16.9	5	12/17/15	12/18/15 02:50	252240	476973	
Pentachlorophenol (PCP)	**451**		169	5	12/17/15	12/18/15 02:50	252240	476973	
Phenanthrene	**40.0**		33.9	5	12/17/15	12/18/15 02:50	252240	476973	
Pyrene	**307**		16.9	5	12/17/15	12/18/15 02:50	252240	476973	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	137	34-166	12/18/15 02:50	
2-Fluorobiphenyl	61	30-118	12/18/15 02:50	
p-Terphenyl-d14	60	41-146	12/18/15 02:50	

Client:	Beazer East, Inc.	**Service Request:**	J1509885
Project:	Beazer Gainesville/117-2201363	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	µg/Kg
Lab Code:	JQ1509805-01	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS SIM

Analytical Method: 8270D SIM
Prep Method: EPA 3546

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1-Methylnaphthalene	ND	U	3.40	1	12/15/15	12/15/15 20:55	252085	476660	
2-Methylnaphthalene	ND	U	3.40	1	12/15/15	12/15/15 20:55	252085	476660	
Acenaphthene	ND	U	6.80	1	12/15/15	12/15/15 20:55	252085	476660	
Acenaphthylene	ND	U	6.80	1	12/15/15	12/15/15 20:55	252085	476660	
Anthracene	ND	U	3.40	1	12/15/15	12/15/15 20:55	252085	476660	
Benz(a)anthracene	ND	U	3.40	1	12/15/15	12/15/15 20:55	252085	476660	
Benzo(a)pyrene	ND	U	3.40	1	12/15/15	12/15/15 20:55	252085	476660	
Benzo(b)fluoranthene	ND	U	3.40	1	12/15/15	12/15/15 20:55	252085	476660	
Benzo(g,h,i)perylene	ND	U	3.40	1	12/15/15	12/15/15 20:55	252085	476660	
Benzo(k)fluoranthene	ND	U	3.40	1	12/15/15	12/15/15 20:55	252085	476660	
Chrysene	ND	U	3.40	1	12/15/15	12/15/15 20:55	252085	476660	
Dibenz(a,h)anthracene	ND	U	3.40	1	12/15/15	12/15/15 20:55	252085	476660	
Fluoranthene	ND	U	3.40	1	12/15/15	12/15/15 20:55	252085	476660	
Fluorene	ND	U	3.40	1	12/15/15	12/15/15 20:55	252085	476660	
Indeno(1,2,3-cd)pyrene	ND	U	3.40	1	12/15/15	12/15/15 20:55	252085	476660	
Naphthalene	ND	U	3.40	1	12/15/15	12/15/15 20:55	252085	476660	
Phenanthrene	ND	U	6.80	1	12/15/15	12/15/15 20:55	252085	476660	
Pyrene	ND	U	3.40	1	12/15/15	12/15/15 20:55	252085	476660	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	59	34-166	12/15/15 20:55	
2-Fluorobiphenyl	32	30-118	12/15/15 20:55	
p-Terphenyl-d14	67	41-146	12/15/15 20:55	

Client:	Beazer East, Inc.	**Service Request:**	J1509885
Project:	Beazer Gainesville/117-2201363	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	µg/Kg
Lab Code:	JQ1509805-01	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS SIM

Analytical Method: 8270D SIM
Prep Method: EPA 3546

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Pentachlorophenol (PCP)	ND	U	34.0	1	12/15/15	12/16/15 23:26	252085	476661	

Client:	Beazer East, Inc.	**Service Request:**	J1509885
Project:	Beazer Gainesville/117-2201363	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	µg/L
Lab Code:	JQ1509829-01	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS SIM

Analytical Method: 8270D SIM
Prep Method: EPA 3510C

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1-Methylnaphthalene	ND	U	0.100	0.0440	1	12/16/15	12/17/15 01:38	252143	476855	
2-Methylnaphthalene	ND	U	0.100	0.0440	1	12/16/15	12/17/15 01:38	252143	476855	
Acenaphthene	ND	U	0.100	0.0410	1	12/16/15	12/17/15 01:38	252143	476855	
Acenaphthylene	ND	U	0.100	0.0250	1	12/16/15	12/17/15 01:38	252143	476855	
Anthracene	ND	U	0.100	0.0380	1	12/16/15	12/17/15 01:38	252143	476855	
Benz(a)anthracene	ND	U	0.100	0.0350	1	12/16/15	12/17/15 01:38	252143	476855	
Benzo(a)pyrene	ND	U	0.100	0.0310	1	12/16/15	12/17/15 01:38	252143	476855	
Benzo(b)fluoranthene	ND	U	0.100	0.0250	1	12/16/15	12/17/15 01:38	252143	476855	
Benzo(g,h,i)perylene	ND	U	0.100	0.0390	1	12/16/15	12/17/15 01:38	252143	476855	
Benzo(k)fluoranthene	ND	U	0.100	0.0350	1	12/16/15	12/17/15 01:38	252143	476855	
Chrysene	ND	U	0.100	0.0240	1	12/16/15	12/17/15 01:38	252143	476855	
Dibenz(a,h)anthracene	ND	U	0.100	0.0360	1	12/16/15	12/17/15 01:38	252143	476855	
Fluoranthene	ND	U	0.100	0.0390	1	12/16/15	12/17/15 01:38	252143	476855	
Fluorene	ND	U	0.100	0.0470	1	12/16/15	12/17/15 01:38	252143	476855	
Indeno(1,2,3-cd)pyrene	ND	U	0.100	0.0400	1	12/16/15	12/17/15 01:38	252143	476855	
Naphthalene	ND	U	0.100	0.0390	1	12/16/15	12/17/15 01:38	252143	476855	
Pentachlorophenol (PCP)	ND	U	1.00	0.0390	1	12/16/15	12/17/15 01:38	252143	476855	
Phenanthrene	ND	U	0.100	0.0350	1	12/16/15	12/17/15 01:38	252143	476855	
Pyrene	ND	U	0.100	0.0310	1	12/16/15	12/17/15 01:38	252143	476855	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	64	11-163	12/17/15 01:38	
2-Fluorobiphenyl	64	22-105	12/17/15 01:38	
p-Terphenyl-d14	87	25-127	12/17/15 01:38	

Client:	Beazer East, Inc.	**Service Request:**	J1509885
Project:	Beazer Gainesville/117-2201363	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	µg/Kg
Lab Code:	JQ1509874-01	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS SIM

Analytical Method: 8270D SIM
Prep Method: EPA 3546

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1-Methylnaphthalene	ND	U	3.40	1	12/17/15	12/18/15 01:09	252240	476973	
2-Methylnaphthalene	ND	U	3.40	1	12/17/15	12/18/15 01:09	252240	476973	
Acenaphthene	ND	U	6.80	1	12/17/15	12/18/15 01:09	252240	476973	
Acenaphthylene	ND	U	6.80	1	12/17/15	12/18/15 01:09	252240	476973	
Anthracene	ND	U	3.40	1	12/17/15	12/18/15 01:09	252240	476973	
Benz(a)anthracene	ND	U	3.40	1	12/17/15	12/18/15 01:09	252240	476973	
Benzo(a)pyrene	ND	U	3.40	1	12/17/15	12/18/15 01:09	252240	476973	
Benzo(b)fluoranthene	ND	U	3.40	1	12/17/15	12/18/15 01:09	252240	476973	
Benzo(g,h,i)perylene	ND	U	3.40	1	12/17/15	12/18/15 01:09	252240	476973	
Benzo(k)fluoranthene	ND	U	3.40	1	12/17/15	12/18/15 01:09	252240	476973	
Chrysene	ND	U	3.40	1	12/17/15	12/18/15 01:09	252240	476973	
Dibenz(a,h)anthracene	ND	U	3.40	1	12/17/15	12/18/15 01:09	252240	476973	
Fluoranthene	ND	U	3.40	1	12/17/15	12/18/15 01:09	252240	476973	
Fluorene	ND	U	3.40	1	12/17/15	12/18/15 01:09	252240	476973	
Indeno(1,2,3-cd)pyrene	ND	U	3.40	1	12/17/15	12/18/15 01:09	252240	476973	
Naphthalene	ND	U	3.40	1	12/17/15	12/18/15 01:09	252240	476973	
Pentachlorophenol (PCP)	ND	U	34.0	1	12/17/15	12/18/15 01:09	252240	476973	
Phenanthrene	ND	U	6.80	1	12/17/15	12/18/15 01:09	252240	476973	
Pyrene	ND	U	3.40	1	12/17/15	12/18/15 01:09	252240	476973	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	79	34-166	12/18/15 01:09	
2-Fluorobiphenyl	66	30-118	12/18/15 01:09	
p-Terphenyl-d14	71	41-146	12/18/15 01:09	

Client: Beazer East, Inc.
Project: Beazer Gainesville/117-2201363
Sample Matrix: Soil

Service Request: J1509885

Surrogate Recovery Summary
Semivolatile Organic Compounds by GC/MS SIM

Analytical Method: 8270D SIM
Prep Method: EPA 3546

Units: Percent

Sample Name	Lab Code	Sur1	Sur2	Sur3
SDMSY 720A	J1509885-001	174 *	59	66
SDMSY 720B	J1509885-002	164	67	79
SDMSY 480A	J1509885-003	187 *	71	94
SDMSY 480B	J1509885-004	207 *	87	93
SDMSY 240A	J1509885-005	173 *	71	73
SDMSY 240B	J1509885-006	174 *	75	72
SDMSY 010A	J1509885-008	142	60	75
SDMSY FD1	J1509885-009	133	66	81
SDMSY 010B	J1509885-010	137	61	60
Method Blank	JQ1509805-01	59	32	67
Method Blank	JQ1509874-01	79	66	71
Lab Control Sample	JQ1509805-02	88	54	69
Duplicate Lab Control Sample	JQ1509805-03	92	59	71
Lab Control Sample	JQ1509874-02	100	65	73

Surrogate Recovery Control Limits (%)

Sur1	= 2,4,6-Tribromophenol	34 - 166
Sur2	= 2-Fluorobiphenyl	30 - 118
Sur3	= p-Terphenyl-d14	41 - 146

Results flagged with an asterisk (*) indicate values outside control criteria.
Results flagged with a pound (#) indicate the control criteria is not applicable.

Client: Beazer East, Inc.
Project: Beazer Gainesville/117-2201363
Sample Matrix: Water

Service Request: J1509885

Surrogate Recovery Summary
Semivolatile Organic Compounds by GC/MS SIM

Analytical Method: 8270D SIM
Prep Method: EPA 3510C

Units: Percent

Sample Name	Lab Code	Sur1	Sur2	Sur3
EB SDMSY	J1509885-007	78	58	86
Method Blank	JQ1509829-01	64	64	87
Lab Control Sample	JQ1509829-02	73	61	86
Duplicate Lab Control Sample	JQ1509829-03	73	53	85

Surrogate Recovery Control Limits (%)

Sur1	= 2,4,6-Tribromophenol	11 - 163
Sur2	= 2-Fluorobiphenyl	22 - 105
Sur3	= p-Terphenyl-d14	25 - 127

Results flagged with an asterisk (*) indicate values outside control criteria.
Results flagged with a pound (#) indicate the control criteria is not applicable.

Client: Beazer East, Inc.
Project: Beazer Gainesville/117-2201363

Service Request: J1509885
Date Analyzed: 12/15/15 19:18

Internal Standard Area and RT Summary
Semivolatile Organic Compounds by GC/MS SIM

File ID: I:\MS05\DATA\MS05-151215\1215-004.D\
Instrument ID: J-MS-05
Analytical Method: 8270D SIM

Lab Code: JQ1600373-02
Analysis Lot: 476660
Signal ID:

		Acenaphthene-d10		Chrysene-d12		Naphthalene-d8	
		Area	RT	Area	RT	Area	RT
	Results ==>	264,631	8.49	419,021	13.54	609,672	6.38
	Upper Limit ==>	529,262	8.99	838,042	14.04	1,219,344	6.88
	Lower Limit ==>	132,316	7.99	209,511	13.04	304,836	5.88
	ICAL Result ==>	219,803	8.49	352,727	13.54	497,543	6.38
Associated Analyses							
Method Blank	JQ1509805-01	263,666	8.49	383,742	13.53	617,323	6.38
Lab Control Sample	JQ1509805-02	271,454	8.49	402,417	13.54	633,138	6.38
Duplicate Lab Control Sample	JQ1509805-03	256,948	8.49	377,566	13.54	600,605	6.38

Results flagged with an asterisk (*) indicate values outside control criteria.

Client: Beazer East, Inc.
Project: Beazer Gainesville/117-2201363

Service Request: J1509885
Date Analyzed: 12/15/15 19:18

Internal Standard Area and RT Summary
Semivolatile Organic Compounds by GC/MS SIM

File ID: I:\MS05\DATA\MS05-151215\1215-004.D\
Instrument ID: J-MS-05
Analytical Method: 8270D SIM

Lab Code: JQ1600373-02
Analysis Lot: 476660
Signal ID:

		Perylene-d12		Phenanthrene-d10	
		Area	RT	Area	RT
	Results ==>	361,599	15.21	507,216	10.30
	Upper Limit ==>	723,198	15.71	1,014,432	10.80
	Lower Limit ==>	180,800	14.71	253,608	9.80
	ICAL Result ==>	302,966	15.21	430,225	10.30
Associated Analyses					
Method Blank	JQ1509805-01	337,719	15.20	498,687	10.30
Lab Control Sample	JQ1509805-02	350,444	15.20	518,918	10.30
Duplicate Lab Control Sample	JQ1509805-03	328,435	15.20	490,431	10.30

Results flagged with an asterisk (*) indicate values outside control criteria.

Client: Beazer East, Inc.
Project: Beazer Gainesville/117-2201363

Service Request: J1509885
Date Analyzed: 12/16/15 05:42

Internal Standard Area and RT Summary
Semivolatile Organic Compounds by GC/MS SIM

File ID: I:\MS05\DATA\MS05-151215\1215-030.D\
Instrument ID: J-MS-05
Analytical Method: 8270D SIM

Lab Code: JQ1600373-03
Analysis Lot: 476660
Signal ID:

	Acenaphthene-d10		Chrysene-d12		Naphthalene-d8	
	Area	RT	Area	RT	Area	RT
Results ==>	276,448	8.49	447,566	13.54	635,451	6.37
Upper Limit ==>	552,896	8.99	895,132	14.04	1,270,902	6.87
Lower Limit ==>	138,224	7.99	223,783	13.04	317,726	5.87
ICAL Result ==>	219,803	8.49	352,727	13.54	497,543	6.38

Associated Analyses

Results flagged with an asterisk (*) indicate values outside control criteria.

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: Beazer East, Inc.
Project: Beazer Gainesville/117-2201363

Service Request: J1509885
Date Analyzed: 12/16/15 05:42

Internal Standard Area and RT Summary
Semivolatile Organic Compounds by GC/MS SIM

File ID: I:\MS05\DATA\MS05-151215\1215-030.D\
Instrument ID: J-MS-05
Analytical Method: 8270D SIM

Lab Code: JQ1600373-03
Analysis Lot: 476660
Signal ID:

	Perylene-d12		Phenanthrene-d10	
	Area	**RT**	**Area**	**RT**
Results ==>	398,160	15.20	529,321	10.30
Upper Limit ==>	796,320	15.70	1,058,642	10.80
Lower Limit ==>	199,080	14.70	264,661	9.80
ICAL Result ==>	302,966	15.21	430,225	10.30

Associated Analyses

Results flagged with an asterisk (*) indicate values outside control criteria.

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: Beazer East, Inc.
Project: Beazer Gainesville/117-2201363

Service Request: J1509885
Date Analyzed: 12/16/15 22:13

Internal Standard Area and RT Summary
Semivolatile Organic Compounds by GC/MS SIM

File ID: I:\MS05\DATA\MS05-151216\1216-004.D\
Instrument ID: J-MS-05
Analytical Method: 8270D SIM

Lab Code: JQ1509907-02
Analysis Lot: 476661
Signal ID:

		Acenaphthene-d10		Chrysene-d12		Naphthalene-d8	
		Area	RT	Area	RT	Area	RT
	Results ==>	304,516	8.49	492,630	13.54	698,437	6.37
	Upper Limit ==>	609,032	8.99	985,260	14.04	1,396,874	6.87
	Lower Limit ==>	152,258	7.99	246,315	13.04	349,219	5.87
	ICAL Result ==>	219,803	8.49	352,727	13.54	497,543	6.38
Associated Analyses							
Lab Control Sample	JQ1509805-02	283,868	8.49	436,776	13.53	656,996	6.37
Duplicate Lab Control Sample	JQ1509805-03	278,335	8.49	425,102	13.53	646,297	6.37
Method Blank	JQ1509805-01	276,171	8.49	413,923	13.53	647,156	6.37
SDMSY 720A	J1509885-001	287,324	8.49	464,952	13.53	657,726	6.37
SDMSY 720B	J1509885-002	251,394	8.49	407,852	13.53	580,684	6.37
SDMSY 480A	J1509885-003	245,843	8.49	391,587	13.53	568,179	6.37
SDMSY 480B	J1509885-004	247,160	8.49	394,535	13.53	574,020	6.37
SDMSY 240A	J1509885-005	240,955	8.49	382,940	13.53	559,264	6.37
SDMSY 240B	J1509885-006	242,518	8.49	381,603	13.53	559,958	6.37

Results flagged with an asterisk (*) indicate values outside control criteria.

Client: Beazer East, Inc.
Project: Beazer Gainesville/117-2201363

Service Request: J1509885
Date Analyzed: 12/16/15 22:13

Internal Standard Area and RT Summary
Semivolatile Organic Compounds by GC/MS SIM

File ID: I:\MS05\DATA\MS05-151216\1216-004.D\
Instrument ID: J-MS-05
Analytical Method: 8270D SIM

Lab Code: JQ1509907-02
Analysis Lot: 476661
Signal ID:

		Perylene-d12		Phenanthrene-d10	
		Area	RT	Area	RT
	Results ==>	432,155	15.20	584,716	10.30
	Upper Limit ==>	864,310	15.70	1,169,432	10.80
	Lower Limit ==>	216,078	14.70	292,358	9.80
	ICAL Result ==>	302,966	15.21	430,225	10.30
Associated Analyses					
Lab Control Sample	JQ1509805-02	390,100	15.20	544,332	10.30
Duplicate Lab Control Sample	JQ1509805-03	378,617	15.20	532,871	10.30
Method Blank	JQ1509805-01	369,373	15.20	523,917	10.29
SDMSY 720A	J1509885-001	427,333	15.20	548,936	10.30
SDMSY 720B	J1509885-002	371,206	15.20	485,373	10.29
SDMSY 480A	J1509885-003	357,005	15.20	470,285	10.30
SDMSY 480B	J1509885-004	361,105	15.20	473,525	10.30
SDMSY 240A	J1509885-005	348,507	15.20	460,338	10.29
SDMSY 240B	J1509885-006	345,398	15.20	460,689	10.29

Results flagged with an asterisk (*) indicate values outside control criteria.

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: Beazer East, Inc.
Project: Beazer Gainesville/117-2201363

Service Request: J1509885
Date Analyzed: 12/17/15 09:27

Internal Standard Area and RT Summary
Semivolatile Organic Compounds by GC/MS SIM

File ID: I:\MS05\DATA\MS05-151216\1216-032.D\
Instrument ID: J-MS-05
Analytical Method: 8270D SIM

Lab Code: JQ1509907-03
Analysis Lot: 476661
Signal ID:

	Acenaphthene-d10		Chrysene-d12		Naphthalene-d8	
	Area	**RT**	**Area**	**RT**	**Area**	**RT**
Results ==>	270,942	8.49	433,209	13.53	618,987	6.37
Upper Limit ==>	541,884	8.99	866,418	14.03	1,237,974	6.87
Lower Limit ==>	135,471	7.99	216,605	13.03	309,494	5.87
ICAL Result ==>	219,803	8.49	352,727	13.54	497,543	6.38

Associated Analyses

Results flagged with an asterisk (*) indicate values outside control criteria.

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: Beazer East, Inc.
Project: Beazer Gainesville/117-2201363

Service Request: J1509885
Date Analyzed: 12/17/15 09:27

Internal Standard Area and RT Summary
Semivolatile Organic Compounds by GC/MS SIM

File ID: I:\MS05\DATA\MS05-151216\1216-032.D\
Instrument ID: J-MS-05
Analytical Method: 8270D SIM

Lab Code: JQ1509907-03
Analysis Lot: 476661
Signal ID:

	Perylene-d12		Phenanthrene-d10	
	Area	**RT**	**Area**	**RT**
Results ==>	379,164	15.20	514,783	10.29
Upper Limit ==>	758,328	15.70	1,029,566	10.79
Lower Limit ==>	189,582	14.70	257,392	9.79
ICAL Result ==>	302,966	15.21	430,225	10.30

Associated Analyses

Results flagged with an asterisk (*) indicate values outside control criteria.

Client: Beazer East, Inc.
Project: Beazer Gainesville/117-2201363

Service Request: J1509885
Date Analyzed: 12/17/15 00:14

Internal Standard Area and RT Summary
Semivolatile Organic Compounds by GC/MS SIM

File ID: I:\MS02\DATA\MS02-151216\1216-004.D\
Instrument ID: J-MS-02
Analytical Method: 8270D SIM

Lab Code: JQ1600351-02
Analysis Lot: 476855
Signal ID:

		Acenaphthene-d10		Chrysene-d12		Naphthalene-d8	
		Area	RT	Area	RT	Area	RT
ICAL Result ==>		360,420	8.37	532,777	13.40	707,468	6.26
Upper Limit ==>		720,840	10.37	1,065,554	15.40	1,414,936	8.26
Lower Limit ==>		180,210	6.37	266,389	11.40	353,734	4.26
Associated Analyses							
Continuing Calibration Verification	JQ1600351-02	297,032	8.36	400,903	13.39	606,588	6.25
Lab Control Sample	JQ1509829-02	292,740	8.36	379,862	13.39	574,546	6.25
Duplicate Lab Control Sample	JQ1509829-03	294,421	8.36	379,892	13.39	590,748	6.25
Method Blank	JQ1509829-01	289,753	8.36	382,811	13.39	580,805	6.25
EB SDMSY	J1509885-007	298,285	8.36	402,456	13.40	596,688	6.25

Results flagged with an asterisk (*) indicate values outside control criteria.

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: Beazer East, Inc.
Project: Beazer Gainesville/117-2201363

Service Request: J1509885
Date Analyzed: 12/17/15 00:14

Internal Standard Area and RT Summary
Semivolatile Organic Compounds by GC/MS SIM

File ID: I:\MS02\DATA\MS02-151216\1216-004.D\
Instrument ID: J-MS-02
Analytical Method: 8270D SIM

Lab Code: JQ1600351-02
Analysis Lot: 476855
Signal ID:

		Perylene-d12		Phenanthrene-d10	
		Area	RT	Area	RT
ICAL Result ==>		454,833	15.05	616,850	10.18
Upper Limit ==>		909,666	17.05	1,233,700	12.18
Lower Limit ==>		227,417	13.05	308,425	8.18
Associated Analyses					
Continuing Calibration Verification	JQ1600351-02	358,730	15.04	499,779	10.17
Lab Control Sample	JQ1509829-02	337,428	15.04	477,040	10.17
Duplicate Lab Control Sample	JQ1509829-03	338,057	15.04	481,913	10.18
Method Blank	JQ1509829-01	332,767	15.04	490,812	10.17
EB SDMSY	J1509885-007	362,811	15.04	504,631	10.17

Results flagged with an asterisk (*) indicate values outside control criteria.

Client: Beazer East, Inc.
Project: Beazer Gainesville/117-2201363

Service Request: J1509885
Date Analyzed: 12/17/15 10:01

Internal Standard Area and RT Summary
Semivolatile Organic Compounds by GC/MS SIM

File ID: I:\MS02\DATA\MS02-151216\1216-025.D\
Instrument ID: J-MS-02
Analytical Method: 8270D SIM

Lab Code: JQ1600351-03
Analysis Lot: 476855
Signal ID:

		Acenaphthene-d10		Chrysene-d12		Naphthalene-d8	
		Area	RT	Area	RT	Area	RT
ICAL Result ==>		360,420	8.37	532,777	13.40	707,468	6.26
Upper Limit ==>		720,840	10.37	1,065,554	15.40	1,414,936	8.26
Lower Limit ==>		180,210	6.37	266,389	11.40	353,734	4.26
Associated Analyses							
Continuing Calibration Verification	JQ1600351-03	320,888	8.36	425,007	13.39	646,516	6.25

Results flagged with an asterisk (*) indicate values outside control criteria.

Client: Beazer East, Inc.
Project: Beazer Gainesville/117-2201363

Service Request: J1509885
Date Analyzed: 12/17/15 10:01

Internal Standard Area and RT Summary
Semivolatile Organic Compounds by GC/MS SIM

File ID: I:\MS02\DATA\MS02-151216\1216-025.D\
Instrument ID: J-MS-02
Analytical Method: 8270D SIM

Lab Code: JQ1600351-03
Analysis Lot: 476855
Signal ID:

		Perylene-d12		Phenanthrene-d10	
		Area	RT	Area	RT
ICAL Result ==>		454,833	15.05	616,850	10.18
Upper Limit ==>		909,666	17.05	1,233,700	12.18
Lower Limit ==>		227,417	13.05	308,425	8.18
Associated Analyses					
Continuing Calibration Verification	JQ1600351-03	377,288	15.04	528,601	10.17

Results flagged with an asterisk (*) indicate values outside control criteria.

Client: Beazer East, Inc.
Project: Beazer Gainesville/117-2201363

Service Request: J1509885
Date Analyzed: 12/17/15 23:31

Internal Standard Area and RT Summary
Semivolatile Organic Compounds by GC/MS SIM

File ID: I:\MS05\DATA\MS05-151217\1217-004.D\
Instrument ID: J-MS-05
Analytical Method: 8270D SIM

Lab Code: JQ1509929-01
Analysis Lot: 476973
Signal ID:

		Acenaphthene-d10		Chrysene-d12		Naphthalene-d8	
		Area	**RT**	**Area**	**RT**	**Area**	**RT**
	Results ==>	262,862	8.48	412,996	13.53	606,051	6.37
	Upper Limit ==>	525,724	8.98	825,992	14.03	1,212,102	6.87
	Lower Limit ==>	131,431	7.98	206,498	13.03	303,026	5.87
	ICAL Result ==>	219,803	8.49	352,727	13.54	497,543	6.38
Associated Analyses							
Method Blank	JQ1509874-01	258,909	8.48	370,560	13.53	605,323	6.37
Lab Control Sample	JQ1509874-02	285,490	8.49	420,985	13.53	662,867	6.37
SDMSY 010A	J1509885-008	279,860	8.49	435,574	13.53	654,914	6.37
SDMSY FD1	J1509885-009	253,745	8.48	387,365	13.53	601,071	6.37
SDMSY 010B	J1509885-010	273,051	8.49	422,929	13.53	640,839	6.37

Results flagged with an asterisk (*) indicate values outside control criteria.

Client: Beazer East, Inc.
Project: Beazer Gainesville/117-2201363

Service Request: J1509885
Date Analyzed: 12/17/15 23:31

Internal Standard Area and RT Summary
Semivolatile Organic Compounds by GC/MS SIM

File ID: I:\MS05\DATA\MS05-151217\1217-004.D\
Instrument ID: J-MS-05
Analytical Method: 8270D SIM

Lab Code: JQ1509929-01
Analysis Lot: 476973
Signal ID:

		Perylene-d12		Phenanthrene-d10	
		Area	**RT**	**Area**	**RT**
	Results ==>	355,761	15.20	503,962	10.29
	Upper Limit ==>	711,522	15.70	1,007,924	10.79
	Lower Limit ==>	177,881	14.70	251,981	9.79
	ICAL Result ==>	302,966	15.21	430,225	10.30
Associated Analyses					
Method Blank	JQ1509874-01	322,635	15.20	486,775	10.29
Lab Control Sample	JQ1509874-02	365,093	15.20	542,055	10.29
SDMSY 010A	J1509885-008	388,101	15.20	532,495	10.29
SDMSY FD1	J1509885-009	342,892	15.20	481,488	10.29
SDMSY 010B	J1509885-010	379,868	15.20	520,039	10.29

Results flagged with an asterisk (*) indicate values outside control criteria.

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: Beazer East, Inc.
Project: Beazer Gainesville/117-2201363
Sample Matrix: Soil

Service Request: J1509885
Date Analyzed: 12/15/15 - 12/16/15

Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS SIM

Analytical Method: 8270D SIM
Prep Method: EPA 3546

Units: µg/Kg
Basis: Dry

Extraction Lot: 252085

Analyte Name	Lab Control Sample JQ1509805-02 Result	Spike Amount	% Rec	Duplicate Lab Control Sample JQ1509805-03 Result	Spike Amount	% Rec	% Rec Limits	RPD	RPD Limit
1-Methylnaphthalene	35.4	66.7	53	38.7	66.7	58	32 - 101	9	30
2-Methylnaphthalene	35.3	66.7	53	38.4	66.7	58	32 - 103	9	30
Acenaphthene	39.1	66.7	59	42.7	66.7	64	29 - 122	9	30
Acenaphthylene	33.1	66.7	50	36.2	66.7	54	36 - 114	9	30
Anthracene	39.4	66.7	59	41.8	66.7	63	36 - 135	6	30
Benz(a)anthracene	44.8	66.7	67	45.7	66.7	69	43 - 139	2	30
Benzo(a)pyrene	45.1	66.7	68	46.1	66.7	69	43 - 127	2	30
Benzo(b)fluoranthene	49.6	66.7	74	51.3	66.7	77	49 - 139	3	30
Benzo(g,h,i)perylene	51.2	66.7	77	53.0	66.7	79	30 - 135	3	30
Benzo(k)fluoranthene	48.9	66.7	73	50.4	66.7	76	45 - 132	3	30
Chrysene	51.8	66.7	78	54.1	66.7	81	36 - 130	4	30
Dibenz(a,h)anthracene	49.8	66.7	75	51.4	66.7	77	32 - 139	3	30
Fluoranthene	46.8	66.7	70	48.2	66.7	72	42 - 127	3	30
Fluorene	39.7	66.7	60	43.9	66.7	66	41 - 118	10	30
Indeno(1,2,3-cd)pyrene	49.3	66.7	74	50.9	66.7	76	32 - 133	3	30
Naphthalene	37.5	66.7	56	40.6	66.7	61	29 - 107	8	30
Pentachlorophenol (PCP)	106	133	80	114	133	86	10 - 100	8	30
Phenanthrene	44.2	66.7	66	47.3	66.7	71	34 - 130	7	30
Pyrene	48.3	66.7	72	50.1	66.7	75	45 - 118	4	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: Beazer East, Inc.
Project: Beazer Gainesville/117-2201363
Sample Matrix: Soil

Service Request: J1509885
Date Analyzed: 12/18/15

Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS SIM

Analytical Method: 8270D SIM
Prep Method: EPA 3546

Units: µg/Kg
Basis: Dry

Extraction Lot: 252240

Lab Control Sample
JQ1509874-02

Analyte Name	Result	Spike Amount	% Rec	% Rec Limits
1-Methylnaphthalene	43.3	66.7	65	32 - 101
2-Methylnaphthalene	42.9	66.7	64	32 - 103
Acenaphthene	47.4	66.7	71	29 - 122
Acenaphthylene	41.5	66.7	62	36 - 114
Anthracene	45.6	66.7	68	36 - 135
Benz(a)anthracene	47.1	66.7	71	43 - 139
Benzo(a)pyrene	46.7	66.7	70	43 - 127
Benzo(b)fluoranthene	52.8	66.7	79	49 - 139
Benzo(g,h,i)perylene	52.6	66.7	79	30 - 135
Benzo(k)fluoranthene	50.0	66.7	75	45 - 132
Chrysene	54.4	66.7	82	36 - 130
Dibenz(a,h)anthracene	51.6	66.7	77	32 - 139
Fluoranthene	51.1	66.7	77	42 - 127
Fluorene	47.8	66.7	72	41 - 118
Indeno(1,2,3-cd)pyrene	51.0	66.7	76	32 - 133
Naphthalene	46.3	66.7	69	29 - 107
Pentachlorophenol (PCP)	130	133	98	10 - 100
Phenanthrene	49.9	66.7	75	34 - 130
Pyrene	52.6	66.7	79	45 - 118

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: Beazer East, Inc.
Project: Beazer Gainesville/117-2201363
Sample Matrix: Water

Service Request: J1509885
Date Analyzed: 12/17/15

Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS SIM

Analytical Method: 8270D SIM
Prep Method: EPA 3510C

Units: µg/L
Basis: NA

Extraction Lot: 252143

	Lab Control Sample JQ1509829-02			Duplicate Lab Control Sample JQ1509829-03					
Analyte Name	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
1-Methylnaphthalene	1.18	2.00	59	1.02	2.00	51	34 - 107	15	30
2-Methylnaphthalene	1.18	2.00	59	1.01	2.00	51	41 - 107	15	30
Acenaphthene	1.29	2.00	64	1.15	2.00	58	41 - 109	11	30
Acenaphthylene	1.32	2.00	66	1.21	2.00	60	44 - 120	9	30
Anthracene	1.47	2.00	73	1.48	2.00	74	50 - 115	<1	30
Benz(a)anthracene	1.80	2.00	90	1.77	2.00	89	46 - 133	2	30
Benzo(a)pyrene	1.74	2.00	87	1.64	2.00	82	49 - 122	6	30
Benzo(b)fluoranthene	1.67	2.00	84	1.58	2.00	79	48 - 122	6	30
Benzo(g,h,i)perylene	1.73	2.00	86	1.63	2.00	82	49 - 114	6	30
Benzo(k)fluoranthene	1.69	2.00	84	1.69	2.00	85	51 - 119	<1	30
Chrysene	1.70	2.00	85	1.67	2.00	83	51 - 117	2	30
Dibenz(a,h)anthracene	1.67	2.00	83	1.61	2.00	81	48 - 121	3	30
Fluoranthene	1.69	2.00	85	1.64	2.00	82	52 - 122	3	30
Fluorene	1.38	2.00	69	1.33	2.00	66	46 - 113	4	30
Indeno(1,2,3-cd)pyrene	1.75	2.00	88	1.67	2.00	83	45 - 121	5	30
Naphthalene	1.25	2.00	63	1.06	2.00	53	42 - 104	17	30
Pentachlorophenol (PCP)	2.25	4.00	56	2.23	4.00	56	10 - 157	<1	30
Phenanthrene	1.46	2.00	73	1.44	2.00	72	49 - 107	1	30
Pyrene	1.76	2.00	88	1.78	2.00	89	49 - 128	<1	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Beazer East, Inc.	**Service Request:**	J1509885
Project:	Beazer Gainesville/117-2201363	**Date Analyzed:**	12/15/15 20:55
Sample Matrix:	Soil	**Date Extracted:**	12/15/15

Method Blank Summary
Semivolatile Organic Compounds by GC/MS SIM

Sample Name:	Method Blank	**Instrument ID:**	J-MS-05
Lab Code:	JQ1509805-01	**File ID:**	I:\MS05\DATA\MS05-151215\1215-008.D\
Analytical Method:	8270D SIM		
Prep Method:	EPA 3546		

This Method Blank applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed
Lab Control Sample	JQ1509805-02	I:\MS05\DATA\MS05-151215\1215-009.D\	12/15/15 21:19
Duplicate Lab Control Sample	JQ1509805-03	I:\MS05\DATA\MS05-151215\1215-010.D\	12/15/15 21:44
Lab Control Sample	JQ1509805-02	I:\MS05\DATA\MS05-151216\1216-005.D\	12/16/15 22:38
Duplicate Lab Control Sample	JQ1509805-03	I:\MS05\DATA\MS05-151216\1216-006.D\	12/16/15 23:02
SDMSY 720A	J1509885-001	I:\MS05\DATA\MS05-151216\1216-012.D\	12/17/15 01:30
SDMSY 720B	J1509885-002	I:\MS05\DATA\MS05-151216\1216-013.D\	12/17/15 01:56
SDMSY 480A	J1509885-003	I:\MS05\DATA\MS05-151216\1216-014.D\	12/17/15 02:23
SDMSY 480B	J1509885-004	I:\MS05\DATA\MS05-151216\1216-015.D\	12/17/15 02:49
SDMSY 240A	J1509885-005	I:\MS05\DATA\MS05-151216\1216-016.D\	12/17/15 03:13
SDMSY 240B	J1509885-006	I:\MS05\DATA\MS05-151216\1216-017.D\	12/17/15 03:37

Client:	Beazer East, Inc.	**Service Request:**	J1509885
Project:	Beazer Gainesville/117-2201363	**Date Analyzed:**	12/17/15 01:38
Sample Matrix:	Water	**Date Extracted:**	12/16/15

Method Blank Summary
Semivolatile Organic Compounds by GC/MS SIM

Sample Name:	Method Blank	**Instrument ID:**	J-MS-02
Lab Code:	JQ1509829-01	**File ID:**	I:\MS02\DATA\MS02-151216\1216-007.D\
Analytical Method:	8270D SIM		
Prep Method:	EPA 3510C		

This Method Blank applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed
Lab Control Sample	JQ1509829-02	I:\MS02\DATA\MS02-151216\1216-005.D\	12/17/15 00:42
Duplicate Lab Control Sample	JQ1509829-03	I:\MS02\DATA\MS02-151216\1216-006.D\	12/17/15 01:10
EB SDMSY	J1509885-007	I:\MS02\DATA\MS02-151216\1216-021.D\	12/17/15 08:10

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Beazer East, Inc.	**Service Request:**	J1509885
Project:	Beazer Gainesville/117-2201363	**Date Analyzed:**	12/18/15 01:09
Sample Matrix:	Soil	**Date Extracted:**	12/17/15

Method Blank Summary
Semivolatile Organic Compounds by GC/MS SIM

Sample Name:	Method Blank	**Instrument ID:**	J-MS-05
Lab Code:	JQ1509874-01	**File ID:**	I:\MS05\DATA\MS05-151217\1217-008.D\
Analytical Method:	8270D SIM		
Prep Method:	EPA 3546		

This Method Blank applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed
Lab Control Sample	JQ1509874-02	I:\MS05\DATA\MS05-151217\1217-009.D\	12/18/15 01:33
SDMSY 010A	J1509885-008	I:\MS05\DATA\MS05-151217\1217-010.D\	12/18/15 01:59
SDMSY FD1	J1509885-009	I:\MS05\DATA\MS05-151217\1217-011.D\	12/18/15 02:24
SDMSY 010B	J1509885-010	I:\MS05\DATA\MS05-151217\1217-012.D\	12/18/15 02:50

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Beazer East, Inc.	**Service Request:**	J1509885
Project:	Beazer Gainesville/117-2201363	**Date Analyzed:**	12/15/15 21:19
Sample Matrix:	Soil	**Date Extracted:**	12/15/15

Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS SIM

Sample Name:	Lab Control Sample	**Instrument ID:**	J-MS-05
Lab Code:	JQ1509805-02	**File ID:**	I:\MS05\DATA\MS05-151215\1215-009.D\
Analytical Method:	8270D SIM		
Prep Method:	EPA 3546		

This Lab Control Sample applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed
Duplicate Lab Control Sample	JQ1509805-03	I:\MS05\DATA\MS05-151215\1215-010.D\	12/15/15 21:44
Method Blank	JQ1509805-01	I:\MS05\DATA\MS05-151215\1215-008.D\	12/15/15 20:55
SDMSY 240B	J1509885-006	I:\MS05\DATA\MS05-151216\1216-017.D\	12/17/15 03:37
SDMSY 240A	J1509885-005	I:\MS05\DATA\MS05-151216\1216-016.D\	12/17/15 03:13
SDMSY 480B	J1509885-004	I:\MS05\DATA\MS05-151216\1216-015.D\	12/17/15 02:49
Duplicate Lab Control Sample	JQ1509805-03	I:\MS05\DATA\MS05-151216\1216-006.D\	12/16/15 23:02
SDMSY 720A	J1509885-001	I:\MS05\DATA\MS05-151216\1216-012.D\	12/17/15 01:30
SDMSY 480A	J1509885-003	I:\MS05\DATA\MS05-151216\1216-014.D\	12/17/15 02:23
Method Blank	JQ1509805-01	I:\MS05\DATA\MS05-151216\1216-007.D\	12/16/15 23:26
SDMSY 720B	J1509885-002	I:\MS05\DATA\MS05-151216\1216-013.D\	12/17/15 01:56

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Beazer East, Inc.	**Service Request:**	J1509885
Project:	Beazer Gainesville/117-2201363	**Date Analyzed:**	12/18/15 01:33
Sample Matrix:	Soil	**Date Extracted:**	12/17/15

Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS SIM

Sample Name:	Lab Control Sample	**Instrument ID:**	J-MS-05
Lab Code:	JQ1509874-02	**File ID:**	I:\MS05\DATA\MS05-151217\1217-009.D\
Analytical Method:	8270D SIM		
Prep Method:	EPA 3546		

This Lab Control Sample applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed
SDMSY 010B	J1509885-010	I:\MS05\DATA\MS05-151217\1217-012.D\	12/18/15 02:50
SDMSY FD1	J1509885-009	I:\MS05\DATA\MS05-151217\1217-011.D\	12/18/15 02:24
Method Blank	JQ1509874-01	I:\MS05\DATA\MS05-151217\1217-008.D\	12/18/15 01:09
SDMSY 010A	J1509885-008	I:\MS05\DATA\MS05-151217\1217-010.D\	12/18/15 01:59

Client:	Beazer East, Inc.	**Service Request:**	J1509885
Project:	Beazer Gainesville/117-2201363	**Date Analyzed:**	12/17/15 00:42
Sample Matrix:	Water	**Date Extracted:**	12/16/15

Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS SIM

Sample Name:	Lab Control Sample	**Instrument ID:**	J-MS-02
Lab Code:	JQ1509829-02	**File ID:**	I:\MS02\DATA\MS02-151216\1216-005.D\
Analytical Method:	8270D SIM		
Prep Method:	EPA 3510C		

This Lab Control Sample applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed
Duplicate Lab Control Sample	JQ1509829-03	I:\MS02\DATA\MS02-151216\1216-006.D\	12/17/15 01:10
Method Blank	JQ1509829-01	I:\MS02\DATA\MS02-151216\1216-007.D\	12/17/15 01:38
EB SDMSY	J1509885-007	I:\MS02\DATA\MS02-151216\1216-021.D\	12/17/15 08:10

Client: Beazer East, Inc.
Project: Beazer Gainesville/117-2201363

Service Request: J1509885
Date Analyzed: 12/16/15 21:55

Tune Summary
Semivolatile Organic Compounds by GC/MS SIM

File ID: I:\MS05\DATA\MS05-151216\1216-003.D\
Instrument ID: J-MS-05

Analytical Method: 8270D SIM
Analysis Lot: 476661

Target Mass	Relative to Mass	Lower Limit%	Upper Limit%	Relative Abundance %	Raw Abundance	Result Pass/Fail
127	198	40	60	52.09	113659	Pass
197	198	0	1	0.53	1163	Pass
198	198	100	100	100.00	218211	Pass
199	198	5	9	6.62	14449	Pass
275	198	10	30	23.95	52256	Pass
365	198	1	100	3.01	6577	Pass
441	443	0	100	74.44	26981	Pass
442	198	40	200	83.78	182824	Pass
443	442	17	23	19.83	36246	Pass
51	198	30	60	42.37	92452	Pass
68	69	0	2	1.66	1616	Pass
70	69	0	2	0.61	595	Pass
69	198	0	100	44.71	97555	Pass

Sample Name	Lab Code	File ID	Date Analyzed	Q
Continuing Calibration Verification	JQ1509907-02	I:\MS05\DATA\MS05-151216\1216-004.D\	12/16/15 22:13	
Lab Control Sample	JQ1509805-02	I:\MS05\DATA\MS05-151216\1216-005.D\	12/16/15 22:38	
Duplicate Lab Control Sample	JQ1509805-03	I:\MS05\DATA\MS05-151216\1216-006.D\	12/16/15 23:02	
Method Blank	JQ1509805-01	I:\MS05\DATA\MS05-151216\1216-007.D\	12/16/15 23:26	
SDMSY 720A	J1509885-001	I:\MS05\DATA\MS05-151216\1216-012.D\	12/17/15 01:30	
SDMSY 720B	J1509885-002	I:\MS05\DATA\MS05-151216\1216-013.D\	12/17/15 01:56	
SDMSY 480A	J1509885-003	I:\MS05\DATA\MS05-151216\1216-014.D\	12/17/15 02:23	
SDMSY 480B	J1509885-004	I:\MS05\DATA\MS05-151216\1216-015.D\	12/17/15 02:49	
SDMSY 240A	J1509885-005	I:\MS05\DATA\MS05-151216\1216-016.D\	12/17/15 03:13	
SDMSY 240B	J1509885-006	I:\MS05\DATA\MS05-151216\1216-017.D\	12/17/15 03:37	
Continuing Calibration Verification	JQ1509907-03	I:\MS05\DATA\MS05-151216\1216-032.D\	12/17/15 09:27	

Client: Beazer East, Inc.
Project: Beazer Gainesville/117-2201363

Service Request: J1509885
Date Analyzed: 12/17/15 23:13

Tune Summary
Semivolatile Organic Compounds by GC/MS SIM

File ID: I:\MS05\DATA\MS05-151217\1217-003.D\
Instrument ID: J-MS-05

Analytical Method: 8270D SIM
Analysis Lot: 476973

Target Mass	Relative to Mass	Lower Limit%	Upper Limit%	Relative Abundance %	Raw Abundance	Result Pass/Fail
127	198	40	60	51.17	113011	Pass
197	198	0	1	0.32	709	Pass
198	198	100	100	100.00	220864	Pass
199	198	5	9	6.59	14549	Pass
275	198	10	30	24.26	53573	Pass
365	198	1	100	3.14	6927	Pass
441	443	0	100	72.59	27549	Pass
442	198	40	200	86.43	190888	Pass
443	442	17	23	19.88	37949	Pass
51	198	30	60	41.91	92554	Pass
68	69	0	2	1.66	1616	Pass
70	69	0	2	0.49	476	Pass
69	198	0	100	44.16	97533	Pass

Sample Name	Lab Code	File ID	Date Analyzed	Q
Continuing Calibration Verification	JQ1509929-01	I:\MS05\DATA\MS05-151217\1217-004.D\	12/17/15 23:31	
Method Blank	JQ1509874-01	I:\MS05\DATA\MS05-151217\1217-008.D\	12/18/15 01:09	
Lab Control Sample	JQ1509874-02	I:\MS05\DATA\MS05-151217\1217-009.D\	12/18/15 01:33	
SDMSY 010A	J1509885-008	I:\MS05\DATA\MS05-151217\1217-010.D\	12/18/15 01:59	
SDMSY FD1	J1509885-009	I:\MS05\DATA\MS05-151217\1217-011.D\	12/18/15 02:24	
SDMSY 010B	J1509885-010	I:\MS05\DATA\MS05-151217\1217-012.D\	12/18/15 02:50	

Client: Beazer East, Inc.
Project: Beazer Gainesville/117-2201363

Service Request: J1509885
Date Analyzed: 12/16/15 23:53

Tune Summary
Semivolatile Organic Compounds by GC/MS SIM

File ID: I:\MS02\DATA\MS02-151216\1216-003.D\
Instrument ID: J-MS-02

Analytical Method: 8270D SIM
Analysis Lot: 476855

Target Mass	Relative to Mass	Lower Limit%	Upper Limit%	Relative Abundance %	Raw Abundance	Result Pass/Fail
127	198	40	60	59.38	53064	Pass
197	198	0	1	0.00	0	Pass
198	198	100	100	100.00	89360	Pass
199	198	5	9	7.97	7122	Pass
275	198	10	30	26.96	24087	Pass
365	198	1	100	4.55	4068	Pass
441	443	0.01	100	70.37	11131	Pass
442	198	40	150	86.36	77173	Pass
443	442	17	23	20.50	15818	Pass
51	198	30	60	43.29	38685	Pass
68	69	0	2	0.11	50	Pass
70	69	0	2	0.74	324	Pass
69	198	0	100	49.33	44079	Pass

Sample Name	Lab Code	File ID	Date Analyzed	Q
Continuing Calibration Verification	JQ1600351-02	I:\MS02\DATA\MS02-151216\1216-004.D\	12/17/15 00:14	
Lab Control Sample	JQ1509829-02	I:\MS02\DATA\MS02-151216\1216-005.D\	12/17/15 00:42	
Duplicate Lab Control Sample	JQ1509829-03	I:\MS02\DATA\MS02-151216\1216-006.D\	12/17/15 01:10	
Method Blank	JQ1509829-01	I:\MS02\DATA\MS02-151216\1216-007.D\	12/17/15 01:38	
EB SDMSY	J1509885-007	I:\MS02\DATA\MS02-151216\1216-021.D\	12/17/15 08:10	
Continuing Calibration Verification	JQ1600351-03	I:\MS02\DATA\MS02-151216\1216-025.D\	12/17/15 10:01	

Client: Beazer East, Inc.
Project: Beazer Gainesville/117-2201363

Service Request: J1509885
Date Analyzed: 12/15/15 19:00

Tune Summary
Semivolatile Organic Compounds by GC/MS SIM

File ID: I:\MS05\DATA\MS05-151215\1215-003.D\
Instrument ID: J-MS-05

Analytical Method: 8270D SIM
Analysis Lot: 476660

Target Mass	Relative to Mass	Lower Limit%	Upper Limit%	Relative Abundance %	Raw Abundance	Result Pass/Fail
127	198	40	60	49.15	108528	Pass
197	198	0	1	0.24	525	Pass
198	198	100	100	100.00	220795	Pass
199	198	5	9	6.66	14715	Pass
275	198	10	30	24.95	55088	Pass
365	198	1	100	3.21	7089	Pass
441	443	0	100	74.19	29851	Pass
442	198	40	200	93.93	207403	Pass
443	442	17	23	19.40	40235	Pass
51	198	30	60	37.81	83475	Pass
68	69	0	2	1.52	1356	Pass
70	69	0	2	0.54	481	Pass
69	198	0	100	40.32	89027	Pass

Sample Name	Lab Code	File ID	Date Analyzed	Q
Continuing Calibration Verification	JQ1600373-02	I:\MS05\DATA\MS05-151215\1215-004.D\	12/15/15 19:18	
Method Blank	JQ1509805-01	I:\MS05\DATA\MS05-151215\1215-008.D\	12/15/15 20:55	
Lab Control Sample	JQ1509805-02	I:\MS05\DATA\MS05-151215\1215-009.D\	12/15/15 21:19	
Duplicate Lab Control Sample	JQ1509805-03	I:\MS05\DATA\MS05-151215\1215-010.D\	12/15/15 21:44	
Continuing Calibration Verification	JQ1600373-03	I:\MS05\DATA\MS05-151215\1215-030.D\	12/16/15 05:42	

Client: Beazer East, Inc.
Project: Beazer Gainesville/117-2201363

Service Request: J1509885
Calibration Date: 12/3/15

Initial Calibration Summary
Semivolatile Organic Compounds by GC/MS SIM

Calibration ID: JC1500054
Instrument ID: J-MS-02

Signal ID: 1

#	File Location	Acquisition Date	#	File Location	Acquisition Date
01	I:\MS02\DATA\MS02-151202\1202-005.D	12/3/15 00:44	02	I:\MS02\DATA\MS02-151202\1202-006.D	12/3/15 01:11
03	I:\MS02\DATA\MS02-151202\1202-007.D	12/3/15 01:39	04	I:\MS02\DATA\MS02-151202\1202-008.D	12/3/15 02:07
05	I:\MS02\DATA\MS02-151202\1202-009.D	12/3/15 02:34	06	I:\MS02\DATA\MS02-151202\1202-010.D	12/3/15 03:02
07	I:\MS02\DATA\MS02-151202\1202-011.D	12/3/15 03:30	08	I:\MS02\DATA\MS02-151202\1202-012.D	12/3/15 03:58

Analyte

1-Methylnaphthalene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	100.00	1.450	02	500.00	1.453	03	1000.0	1.488	04	2000.0	1.538
05	5000.0	1.593	06	8000.0	1.590	07	10000	1.585	08	20000	1.632

2-Methylnaphthalene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	100.00	1.574	02	500.00	1.596	03	1000.0	1.652	04	2000.0	1.725
05	5000.0	1.780	06	8000.0	1.793	07	10000	1.782	08	20000	1.843

Acenaphthene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	100.00	1.508	02	500.00	1.510	03	1000.0	1.539	04	2000.0	1.545
05	5000.0	1.554	06	8000.0	1.572	07	10000	1.566	08	20000	1.593

Acenaphthylene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	100.00	2.036	02	500.00	1.941	03	1000.0	2.008	04	2000.0	2.115
05	5000.0	2.276	06	8000.0	2.367	07	10000	2.409	08	20000	2.572

Anthracene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	100.00	1.050	02	500.00	1.147	03	1000.0	1.187	04	2000.0	1.174
05	5000.0	1.267	06	8000.0	1.312	07	10000	1.349	08	20000	1.401

Benz(a)anthracene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	100.00	1.635	02	500.00	1.241	03	1000.0	1.215	04	2000.0	1.243
05	5000.0	1.268	06	8000.0	1.299	07	10000	1.307	08	20000	1.372

Benzo(a)pyrene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	100.00	1.103	02	500.00	1.068	03	1000.0	1.130	04	2000.0	1.189
05	5000.0	1.330	06	8000.0	1.353	07	10000	1.383	08	20000	1.453

Benzo(b)fluoranthene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	100.00	1.151	02	500.00	1.231	03	1000.0	1.282	04	2000.0	1.362
05	5000.0	1.418	06	8000.0	1.442	07	10000	1.498	08	20000	1.580

Client: Beazer East, Inc.
Project: Beazer Gainesville/117-2201363

Service Request: J1509885
Calibration Date: 12/3/15

Initial Calibration Summary
Semivolatile Organic Compounds by GC/MS SIM

Calibration ID: JC1500054
Instrument ID: J-MS-02

Signal ID: 1

Analyte

Benzo(g,h,i)perylene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	100.00	1.191	02	500.00	1.190	03	1000.0	1.213	04	2000.0	1.273
05	5000.0	1.313	06	8000.0	1.335	07	10000	1.344	08	20000	1.390

Benzo(k)fluoranthene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	100.00	1.427	02	500.00	1.314	03	1000.0	1.398	04	2000.0	1.422
05	5000.0	1.512	06	8000.0	1.535	07	10000	1.504	08	20000	1.569

Chrysene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	100.00	1.429	02	500.00	1.371	03	1000.0	1.440	04	2000.0	1.428
05	5000.0	1.438	06	8000.0	1.436	07	10000	1.417	08	20000	1.408

Dibenz(a,h)anthracene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	100.00	1.052	02	500.00	1.113	03	1000.0	1.170	04	2000.0	1.229
05	5000.0	1.292	06	8000.0	1.333	07	10000	1.341	08	20000	1.403

Fluoranthene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	100.00	1.149	02	500.00	1.131	03	1000.0	1.193	04	2000.0	1.243
05	5000.0	1.302	06	8000.0	1.324	07	10000	1.344	08	20000	1.409

Fluorene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	100.00	1.532	02	500.00	1.556	03	1000.0	1.622	04	2000.0	1.682
05	5000.0	1.733	06	8000.0	1.771	07	10000	1.780	08	20000	1.846

Indeno(1,2,3-cd)pyrene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	100.00	1.252	02	500.00	1.276	03	1000.0	1.364	04	2000.0	1.432
05	5000.0	1.496	06	8000.0	1.533	07	10000	1.553	08	20000	1.552

Naphthalene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	100.00	1.398	02	500.00	1.350	03	1000.0	1.376	04	2000.0	1.376
05	5000.0	1.363	06	8000.0	1.362	07	10000	1.355	08	20000	1.375

Pentachlorophenol (PCP)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	200.00	0.08356	02	1000.0	0.1273	03	2000.0	0.1442	04	4000.0	0.1697
05	10000	0.2292	06	16000	0.2626	07	20000	0.2780	08	40000	0.3266

Client: Beazer East, Inc.
Project: Beazer Gainesville/117-2201363

Service Request: J1509885
Calibration Date: 12/3/15

Initial Calibration Summary
Semivolatile Organic Compounds by GC/MS SIM

Calibration ID: JC1500054
Instrument ID: J-MS-02

Signal ID: 1

Analyte

Phenanthrene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	100.00	1.494	02	500.00	1.368	03	1000.0	1.429	04	2000.0	1.437
05	5000.0	1.422	06	8000.0	1.409	07	10000	1.405	08	20000	1.432

Pyrene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	100.00	1.421	02	500.00	1.399	03	1000.0	1.474	04	2000.0	1.539
05	5000.0	1.593	06	8000.0	1.621	07	10000	1.636	08	20000	1.725

2,4,6-Tribromophenol

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	100.00	0.1776	02	500.00	0.1639	03	1000.0	0.1591	04	2000.0	0.1675
05	5000.0	0.1815	06	8000.0	0.2005	07	10000	0.2061	08	20000	0.2311

2-Fluorobiphenyl

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	100.00	1.868	02	500.00	1.851	03	1000.0	1.933	04	2000.0	1.973
05	5000.0	2.021	06	8000.0	2.031	07	10000	2.014	08	20000	2.065

p-Terphenyl-d14

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	100.00	0.9683	02	500.00	0.8637	03	1000.0	0.8788	04	2000.0	0.9096
05	5000.0	0.9283	06	8000.0	0.9378	07	10000	0.9438	08	20000	0.9852

Client: Beazer East, Inc.
Project: Beazer Gainesville/117-2201363

Service Request: J1509885
Calibration Date: 12/3/15

Initial Calibration Summary
Semivolatile Organic Compounds by GC/MS SIM

Calibration ID: JC1500054
Instrument ID: J-MS-02

Signal ID: 1

Analyte Name	Compound Type	Calibration Evaluation					RRF Evaluation		
		Fit Type	Eval.	Eval. Result	Q	Control Criteria	Average RRF	Q	Minimum RRF
1-Methylnaphthalene	TRG	Average RF	% RSD	4.5		≤ 20	1.541		0.1
2-Methylnaphthalene	TRG	Average RF	% RSD	5.8		≤ 20	1.718		0.1
Acenaphthene	TRG	Average RF	% RSD	1.9		≤ 20	1.548		0.1
Acenaphthylene	TRG	Average RF	% RSD	10.1		≤ 20	2.215		0.1
Anthracene	TRG	Average RF	% RSD	9.5		≤ 20	1.236		0.1
Benz(a)anthracene	TRG	Average RF	% RSD	10.2		≤ 20	1.323		0.1
Benzo(a)pyrene	TRG	Average RF	% RSD	11.6		≤ 20	1.251		0.1
Benzo(b)fluoranthene	TRG	Average RF	% RSD	10.4		≤ 20	1.370		0.1
Benzo(g,h,i)perylene	TRG	Average RF	% RSD	6.0		≤ 20	1.281		0.1
Benzo(k)fluoranthene	TRG	Average RF	% RSD	5.8		≤ 20	1.460		0.1
Chrysene	TRG	Average RF	% RSD	1.6		≤ 20	1.421		0.1
Dibenz(a,h)anthracene	TRG	Average RF	% RSD	9.8		≤ 20	1.241		0.1
Fluoranthene	TRG	Average RF	% RSD	7.9		≤ 20	1.262		0.1
Fluorene	TRG	Average RF	% RSD	6.6		≤ 20	1.690		0.1
Indeno(1,2,3-cd)pyrene	TRG	Average RF	% RSD	8.6		≤ 20	1.432		0.1
Naphthalene	TRG	Average RF	% RSD	1.1		≤ 20	1.369		0.1
Pentachlorophenol (PCP)	TRG	Quadratic	COD	1.000		≥ 0.990	NA		0.1
Phenanthrene	TRG	Average RF	% RSD	2.5		≤ 20	1.425		0.1
Pyrene	TRG	Average RF	% RSD	7.3		≤ 20	1.551		0.1
2,4,6-Tribromophenol	SURR	Average RF	% RSD	13.3		≤ 20	0.1859		
2-Fluorobiphenyl	SURR	Average RF	% RSD	4.0		≤ 20	1.969		
p-Terphenyl-d14	SURR	Average RF	% RSD	4.5		≤ 20	0.9269		

Client: Beazer East, Inc.
Project: Beazer Gainesville/117-2201363

Service Request: J1509885
Calibration Date: 12/3/15

Initial Calibration Verfication Summary
Semivolatile Organic Compounds by GC/MS SIM

Calibration ID: JC1500054
Instrument ID: J-MS-02

Signal ID: 1

#	File Location	Acquisition Date
09	I:\MS02\DATA\MS02-151202\1202-013.D	12/3/15 04:25

Analyte Name	Expected	Result	Average RF	SSV RF	%D	Criteria	Curve Fit
1-Methylnaphthalene	10000	11200	1.541	1.727	12.04	±30	Average RF
2-Methylnaphthalene	10000	10600	1.718	1.827	6.36	±30	Average RF
Acenaphthene	10000	10800	1.548	1.673	8.05	±30	Average RF
Acenaphthylene	10000	11700	2.215	2.592	16.99	±30	Average RF
Anthracene	10000	10400	1.236	1.290	4.37	±30	Average RF
Benz(a)anthracene	10000	10400	1.323	1.376	4.05	±30	Average RF
Benzo(a)pyrene	10000	11400	1.251	1.422	13.63	±30	Average RF
Benzo(b)fluoranthene	10000	11200	1.370	1.531	11.74	±30	Average RF
Benzo(g,h,i)perylene	10000	11200	1.281	1.432	11.74	±30	Average RF
Benzo(k)fluoranthene	10000	11400	1.460	1.667	14.17	±30	Average RF
Chrysene	10000	10500	1.421	1.493	5.07	±30	Average RF
Dibenz(a,h)anthracene	10000	11500	1.241	1.426	14.89	±30	Average RF
Fluoranthene	10000	11400	1.262	1.444	14.43	±30	Average RF
Fluorene	10000	11300	1.690	1.910	12.99	±30	Average RF
Indeno(1,2,3-cd)pyrene	10000	11500	1.432	1.647	14.98	±30	Average RF
Naphthalene	10000	10600	1.369	1.457	6.39	±30	Average RF
Pentachlorophenol (PCP)	10000	9670	0.2027	0.2309	-3.32	±30	Quadratic
Phenanthrene	10000	10700	1.425	1.530	7.41	±30	Average RF
Pyrene	10000	11300	1.551	1.749	12.76	±30	Average RF

Client: Beazer East, Inc.
Project: Beazer Gainesville/117-2201363

Service Request: J1509885
Calibration Date: 12/7/15

Initial Calibration Summary
Semivolatile Organic Compounds by GC/MS SIM

Calibration ID: JC1500055
Instrument ID: J-MS-05

Signal ID: 1

#	File Location	Acquisition Date	#	File Location	Acquisition Date
01	I:\MS05\DATA\MS05-151207\1207-005.D	12/7/15 19:20	02	I:\MS05\DATA\MS05-151207\1207-006.D	12/7/15 19:53
03	I:\MS05\DATA\MS05-151207\1207-007.D	12/7/15 20:18	04	I:\MS05\DATA\MS05-151207\1207-008.D	12/7/15 20:42
05	I:\MS05\DATA\MS05-151207\1207-009.D	12/7/15 21:06	06	I:\MS05\DATA\MS05-151207\1207-010.D	12/7/15 21:30
07	I:\MS05\DATA\MS05-151207\1207-011.D	12/7/15 21:54	08	I:\MS05\DATA\MS05-151207\1207-012.D	12/7/15 22:19

Analyte

1-Methylnaphthalene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	100.00	1.790	02	500.00	1.751	03	1000.0	1.796	04	2000.0	1.842
05	5000.0	1.864	06	8000.0	1.872	07	10000	1.870	08	20000	1.892

2-Methylnaphthalene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	100.00	1.964	02	500.00	1.924	03	1000.0	1.974	04	2000.0	2.022
05	5000.0	2.069	06	8000.0	2.082	07	10000	2.079	08	20000	2.110

Acenaphthene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	100.00	1.751	02	500.00	1.708	03	1000.0	1.747	04	2000.0	1.776
05	5000.0	1.781	06	8000.0	1.791	07	10000	1.786	08	20000	1.805

Acenaphthylene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	100.00	2.417	02	500.00	2.328	03	1000.0	2.390	04	2000.0	2.493
05	5000.0	2.696	06	8000.0	2.802	07	10000	2.842	08	20000	3.012

Anthracene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	100.00	1.186	02	500.00	1.165	03	1000.0	1.210	04	2000.0	1.302
05	5000.0	1.419	06	8000.0	1.486	07	10000	1.509	08	20000	1.572

Benz(a)anthracene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	100.00	1.894	02	500.00	1.349	03	1000.0	1.307	04	2000.0	1.334
05	5000.0	1.414	06	8000.0	1.464	07	10000	1.487	08	20000	1.553

Benzo(a)pyrene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	100.00	1.132	02	500.00	1.136	03	1000.0	1.188	04	2000.0	1.310
05	5000.0	1.480	06	8000.0	1.560	07	10000	1.633	08	20000	1.744

Benzo(b)fluoranthene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	100.00	1.299	02	500.00	1.308	03	1000.0	1.365	04	2000.0	1.520
05	5000.0	1.637	06	8000.0	1.704	07	10000	1.730	08	20000	1.803

Client: Beazer East, Inc.
Project: Beazer Gainesville/117-2201363

Service Request: J1509885
Calibration Date: 12/7/15

Initial Calibration Summary
Semivolatile Organic Compounds by GC/MS SIM

Calibration ID: JC1500055
Instrument ID: J-MS-05

Signal ID: 1

Analyte

Benzo(g,h,i)perylene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	100.00	1.177	02	500.00	1.207	03	1000.0	1.247	04	2000.0	1.330
05	5000.0	1.420	06	8000.0	1.468	07	10000	1.492	08	20000	1.591

Benzo(k)fluoranthene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	100.00	1.354	02	500.00	1.415	03	1000.0	1.553	04	2000.0	1.616
05	5000.0	1.755	06	8000.0	1.801	07	10000	1.813	08	20000	1.904

Chrysene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	100.00	1.561	02	500.00	1.584	03	1000.0	1.656	04	2000.0	1.716
05	5000.0	1.729	06	8000.0	1.724	07	10000	1.707	08	20000	1.692

Dibenz(a,h)anthracene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	100.00	1.027	02	500.00	1.106	03	1000.0	1.173	04	2000.0	1.264
05	5000.0	1.373	06	8000.0	1.424	07	10000	1.446	08	20000	1.548

Fluoranthene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	100.00	1.163	02	500.00	1.178	03	1000.0	1.222	04	2000.0	1.303
05	5000.0	1.416	06	8000.0	1.475	07	10000	1.496	08	20000	1.566

Fluorene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	100.00	1.766	02	500.00	1.764	03	1000.0	1.821	04	2000.0	1.896
05	5000.0	1.984	06	8000.0	2.032	07	10000	2.043	08	20000	2.104

Indeno(1,2,3-cd)pyrene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	100.00	1.305	02	500.00	1.316	03	1000.0	1.394	04	2000.0	1.502
05	5000.0	1.642	06	8000.0	1.715	07	10000	1.746	08	20000	1.882

Naphthalene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	100.00	1.583	02	500.00	1.486	03	1000.0	1.501	04	2000.0	1.506
05	5000.0	1.493	06	8000.0	1.485	07	10000	1.478	08	20000	1.476

Pentachlorophenol (PCP)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
02	1000.0	0.02134	03	2000.0	0.03029	04	4000.0	0.04361	05	10000	0.07484
06	16000	0.1081	07	20000	0.1369	08	40000	0.2289			

Client: Beazer East, Inc.
Project: Beazer Gainesville/117-2201363

Service Request: J1509885
Calibration Date: 12/7/15

Initial Calibration Summary
Semivolatile Organic Compounds by GC/MS SIM

Calibration ID: JC1500055
Instrument ID: J-MS-05

Signal ID: 1

Analyte

Phenanthrene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	100.00	1.676	02	500.00	1.570	03	1000.0	1.587	04	2000.0	1.607
05	5000.0	1.589	06	8000.0	1.597	07	10000	1.592	08	20000	1.598

Pyrene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	100.00	1.568	02	500.00	1.588	03	1000.0	1.659	04	2000.0	1.771
05	5000.0	1.882	06	8000.0	1.931	07	10000	1.935	08	20000	1.969

2,4,6-Tribromophenol

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	100.00	0.1130	02	500.00	0.1096	03	1000.0	0.1175	04	2000.0	0.1266
05	5000.0	0.1435	06	8000.0	0.1653	07	10000	0.1836	08	20000	0.2372

2-Fluorobiphenyl

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	100.00	2.270	02	500.00	2.198	03	1000.0	2.260	04	2000.0	2.301
05	5000.0	2.328	06	8000.0	2.336	07	10000	2.330	08	20000	2.354

p-Terphenyl-d14

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	100.00	0.8260	02	500.00	0.7511	03	1000.0	0.7756	04	2000.0	0.8074
05	5000.0	0.8388	06	8000.0	0.8480	07	10000	0.8461	08	20000	0.8553

Client: Beazer East, Inc.
Project: Beazer Gainesville/117-2201363

Service Request: J1509885
Calibration Date: 12/7/15

Initial Calibration Summary
Semivolatile Organic Compounds by GC/MS SIM

Calibration ID: JC1500055
Instrument ID: J-MS-05

Signal ID: 1

Analyte Name	Compound Type	Calibration Evaluation					RRF Evaluation		
		Fit Type	Eval.	Eval. Result	Q	Control Criteria	Average RRF	Q	Minimum RRF
1-Methylnaphthalene	TRG	Average RF	% RSD	2.7		≤ 20	1.835		0.1
2-Methylnaphthalene	TRG	Average RF	% RSD	3.3		≤ 20	2.028		0.1
Acenaphthene	TRG	Average RF	% RSD	1.8		≤ 20	1.768		0.1
Acenaphthylene	TRG	Average RF	% RSD	9.5		≤ 20	2.623		0.1
Anthracene	TRG	Average RF	% RSD	11.8		≤ 20	1.356		0.1
Benz(a)anthracene	TRG	Average RF	% RSD	12.8		≤ 20	1.475		0.1
Benzo(a)pyrene	TRG	Average RF	% RSD	17.1		≤ 20	1.398		0.1
Benzo(b)fluoranthene	TRG	Average RF	% RSD	13.0		≤ 20	1.546		0.1
Benzo(g,h,i)perylene	TRG	Average RF	% RSD	10.9		≤ 20	1.366		0.1
Benzo(k)fluoranthene	TRG	Average RF	% RSD	12.1		≤ 20	1.652		0.1
Chrysene	TRG	Average RF	% RSD	3.9		≤ 20	1.671		0.1
Dibenz(a,h)anthracene	TRG	Average RF	% RSD	14.1		≤ 20	1.295		0.1
Fluoranthene	TRG	Average RF	% RSD	11.6		≤ 20	1.353		0.1
Fluorene	TRG	Average RF	% RSD	6.9		≤ 20	1.926		0.1
Indeno(1,2,3-cd)pyrene	TRG	Average RF	% RSD	13.8		≤ 20	1.563		0.1
Naphthalene	TRG	Average RF	% RSD	2.3		≤ 20	1.501		0.1
Pentachlorophenol (PCP)	TRG	Quadratic	COD	1.000		≥ 0.990	NA	*	0.1
Phenanthrene	TRG	Average RF	% RSD	2.0		≤ 20	1.602		0.1
Pyrene	TRG	Average RF	% RSD	9.2		≤ 20	1.788		0.1
2,4,6-Tribromophenol	SURR	Quadratic	COD	1.000		≥ 0.990	NA		0.1
2-Fluorobiphenyl	SURR	Average RF	% RSD	2.3		≤ 20	2.297		0.1
p-Terphenyl-d14	SURR	Average RF	% RSD	4.6		≤ 20	0.8185		0.1

Client: Beazer East, Inc. **Service Request:** J1509885
Project: Beazer Gainesville/117-2201363 **Calibration Date:** 12/7/15

Initial Calibration Verfication Summary
Semivolatile Organic Compounds by GC/MS SIM

Calibration ID: JC1500055 **Signal ID:** 1
Instrument ID: J-MS-05

#	File Location	Acquisition Date
09	I:\MS05\DATA\MS05-151207\1207-013.D	12/7/15 22:44

Analyte Name	Expected	Result	Average RF	SSV RF	%D	Criteria	Curve Fit
1-Methylnaphthalene	10000	11100	1.835	2.032	10.77	±30	Average RF
2-Methylnaphthalene	10000	10300	2.028	2.098	3.45	±30	Average RF
Acenaphthene	10000	10800	1.768	1.908	7.90	±30	Average RF
Acenaphthylene	10000	11500	2.623	3.025	15.33	±30	Average RF
Anthracene	10000	10700	1.356	1.455	7.31	±30	Average RF
Benz(a)anthracene	10000	10600	1.475	1.559	5.69	±30	Average RF
Benzo(a)pyrene	10000	11700	1.398	1.635	16.96	±30	Average RF
Benzo(b)fluoranthene	10000	11700	1.546	1.813	17.30	±30	Average RF
Benzo(g,h,i)perylene	10000	11600	1.366	1.591	16.43	±30	Average RF
Benzo(k)fluoranthene	10000	11700	1.652	1.939	17.41	±30	Average RF
Chrysene	10000	10600	1.671	1.766	5.71	±30	Average RF
Dibenz(a,h)anthracene	10000	11900	1.295	1.546	19.37	±30	Average RF
Fluoranthene	10000	11800	1.353	1.596	17.98	±30	Average RF
Fluorene	10000	11300	1.926	2.183	13.33	±30	Average RF
Indeno(1,2,3-cd)pyrene	10000	11900	1.563	1.864	19.28	±30	Average RF
Naphthalene	10000	10500	1.501	1.573	4.82	±30	Average RF
Pentachlorophenol (PCP)	10000	11100	0.09200	0.09691	11.24	±30	Quadratic
Phenanthrene	10000	10700	1.602	1.720	7.33	±30	Average RF
Pyrene	10000	11500	1.788	2.050	14.68	±30	Average RF

Client: Beazer East, Inc.
Project: Beazer Gainesville/117-2201363

Service Request: J1509885
Date Analyzed: 12/16/15

Continuing Calibration Verification Summary
Semivolatile Organic Compounds by GC/MS SIM

Analytical Method: 8270D SIM

File ID: I:\MS05\DATA\MS05-151216\1216-004.D\

Calibration Date: 12/7/15
Calibration ID: JC1500055
Analysis Lot: 476661
Units: µg/L

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
1-Methylnaphthalene	10000	9010	1.857	1.654	-10.9	NA	± 20 %	Average RF
2-Methylnaphthalene	10000	9060	2.036	1.838	-9.7	NA	± 20 %	Average RF
Acenaphthene	10000	8860	1.784	1.566	-12.2	NA	± 20 %	Average RF
Acenaphthylene	10000	9430	2.667	2.472	-7.3	NA	± 20 %	Average RF
Anthracene	10000	9700	1.367	1.315	-3.8	NA	± 20 %	Average RF
Benz(a)anthracene	10000	9130	1.485	1.347	-9.3	NA	± 20 %	Average RF
Benzo(a)pyrene	10000	10300	1.424	1.434	0.7	NA	± 20 %	Average RF
Benzo(b)fluoranthene	10000	10000	1.576	1.550	-1.7	NA	± 20 %	Average RF
Benzo(g,h,i)perylene	10000	9580	1.391	1.309	-5.9	NA	± 20 %	Average RF
Benzo(k)fluoranthene	10000	9210	1.683	1.521	-9.7	NA	± 20 %	Average RF
Chrysene	10000	8750	1.682	1.462	-13.1	NA	± 20 %	Average RF
Dibenz(a,h)anthracene	10000	9730	1.323	1.260	-4.8	NA	± 20 %	Average RF
Fluoranthene	10000	9910	1.380	1.341	-2.8	NA	± 20 %	Average RF
Fluorene	10000	9320	1.955	1.795	-8.2	NA	± 20 %	Average RF
Indeno(1,2,3-cd)pyrene	10000	9890	1.596	1.546	-3.2	NA	± 20 %	Average RF
Naphthalene	10000	8780	1.509	1.318	-12.6	NA	± 20 %	Average RF
Pentachlorophenol (PCP)	20000	19300	NA	NA	NA	-3.6	± 20 %	Quadratic
Phenanthrene	10000	8760	1.615	1.404	-13.1	NA	± 20 %	Average RF
Pyrene	10000	9410	1.817	1.682	-7.4	NA	± 20 %	Average RF
2,4,6-Tribromophenol	10000	12000	NA	NA	NA	20.4 *	± 20 %	Quadratic
2-Fluorobiphenyl	10000	8660	2.297	1.988	-13.4	NA	± 20 %	Average RF
p-Terphenyl-d14	10000	8790	0.8185	0.7197	-12.1	NA	± 20 %	Average RF

Client: Beazer East, Inc.
Project: Beazer Gainesville/117-2201363

Service Request: J1509885
Date Analyzed: 12/17/15

Continuing Calibration Verification Summary
Semivolatile Organic Compounds by GC/MS SIM

Analytical Method: 8270D SIM

File ID: I:\MS05\DATA\MS05-151216\1216-032.D\

Calibration Date: 12/7/15
Calibration ID: JC1500055
Analysis Lot: 476661
Units: µg/L

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
1-Methylnaphthalene	10000	9040	1.857	1.659	-10.7	NA	± 20 %	Average RF
2-Methylnaphthalene	10000	9090	2.036	1.844	-9.4	NA	± 20 %	Average RF
Acenaphthene	10000	8910	1.784	1.575	-11.7	NA	± 20 %	Average RF
Acenaphthylene	10000	9750	2.667	2.556	-4.2	NA	± 20 %	Average RF
Anthracene	10000	9840	1.367	1.334	-2.4	NA	± 20 %	Average RF
Benz(a)anthracene	10000	9400	1.485	1.387	-6.6	NA	± 20 %	Average RF
Benzo(a)pyrene	10000	10400	1.424	1.449	1.7	NA	± 20 %	Average RF
Benzo(b)fluoranthene	10000	9990	1.576	1.544	-2.0	NA	± 20 %	Average RF
Benzo(g,h,i)perylene	10000	9630	1.391	1.316	-5.4	NA	± 20 %	Average RF
Benzo(k)fluoranthene	10000	9270	1.683	1.530	-9.1	NA	± 20 %	Average RF
Chrysene	10000	8670	1.682	1.449	-13.9	NA	± 20 %	Average RF
Dibenz(a,h)anthracene	10000	9790	1.323	1.268	-4.1	NA	± 20 %	Average RF
Fluoranthene	10000	10100	1.380	1.368	-0.8	NA	± 20 %	Average RF
Fluorene	10000	9420	1.955	1.814	-7.2	NA	± 20 %	Average RF
Indeno(1,2,3-cd)pyrene	10000	9940	1.596	1.553	-2.7	NA	± 20 %	Average RF
Naphthalene	10000	8830	1.509	1.326	-12.1	NA	± 20 %	Average RF
Pentachlorophenol (PCP)	20000	23400	NA	NA	NA	17.2	± 20 %	Quadratic
Phenanthrene	10000	8760	1.615	1.404	-13.1	NA	± 20 %	Average RF
Pyrene	10000	9570	1.817	1.712	-5.8	NA	± 20 %	Average RF
2,4,6-Tribromophenol	10000	12400	NA	NA	NA	24.4 *	± 20 %	Quadratic
2-Fluorobiphenyl	10000	8670	2.297	1.991	-13.3	NA	± 20 %	Average RF
p-Terphenyl-d14	10000	8850	0.8185	0.7246	-11.5	NA	± 20 %	Average RF

Client: Beazer East, Inc.
Project: Beazer Gainesville/117-2201363

Service Request: J1509885
Date Analyzed: 12/17/15

Continuing Calibration Verification Summary
Semivolatile Organic Compounds by GC/MS SIM

Analytical Method: 8270D SIM

File ID: I:\MS05\DATA\MS05-151217\1217-004.D\

Calibration Date: 12/7/15
Calibration ID: JC1500055
Analysis Lot: 476973
Units: µg/L

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
1-Methylnaphthalene	10000	9040	1.857	1.658	-10.7	NA	± 20 %	Average RF
2-Methylnaphthalene	10000	9080	2.036	1.841	-9.6	NA	± 20 %	Average RF
Acenaphthene	10000	8910	1.784	1.575	-11.7	NA	± 20 %	Average RF
Acenaphthylene	10000	9350	2.667	2.451	-8.1	NA	± 20 %	Average RF
Anthracene	10000	9570	1.367	1.298	-5.0	NA	± 20 %	Average RF
Benz(a)anthracene	10000	9010	1.485	1.330	-10.4	NA	± 20 %	Average RF
Benzo(a)pyrene	10000	10200	1.424	1.421	-0.3	NA	± 20 %	Average RF
Benzo(b)fluoranthene	10000	9970	1.576	1.541	-2.2	NA	± 20 %	Average RF
Benzo(g,h,i)perylene	10000	9660	1.391	1.321	-5.1	NA	± 20 %	Average RF
Benzo(k)fluoranthene	10000	9230	1.683	1.525	-9.4	NA	± 20 %	Average RF
Chrysene	10000	8830	1.682	1.476	-12.3	NA	± 20 %	Average RF
Dibenz(a,h)anthracene	10000	9710	1.323	1.257	-5.0	NA	± 20 %	Average RF
Fluoranthene	10000	9750	1.380	1.319	-4.4	NA	± 20 %	Average RF
Fluorene	10000	9280	1.955	1.788	-8.5	NA	± 20 %	Average RF
Indeno(1,2,3-cd)pyrene	10000	9870	1.596	1.542	-3.4	NA	± 20 %	Average RF
Naphthalene	10000	8830	1.509	1.325	-12.2	NA	± 20 %	Average RF
Pentachlorophenol (PCP)	20000	18200	NA	NA	NA	-9.1	± 20 %	Quadratic
Phenanthrene	10000	8750	1.615	1.402	-13.2	NA	± 20 %	Average RF
Pyrene	10000	9530	1.817	1.705	-6.2	NA	± 20 %	Average RF
2,4,6-Tribromophenol	10000	10900	NA	NA	NA	8.6	± 20 %	Quadratic
2-Fluorobiphenyl	10000	8690	2.297	1.997	-13.1	NA	± 20 %	Average RF
p-Terphenyl-d14	10000	8760	0.8185	0.7172	-12.4	NA	± 20 %	Average RF

Client: Beazer East, Inc.
Project: Beazer Gainesville/117-2201363

Service Request: J1509885
Date Analyzed: 12/17/15

Continuing Calibration Verification Summary
Semivolatile Organic Compounds by GC/MS SIM

Analytical Method: 8270D SIM

File ID: I:\MS02\DATA\MS02-151216\1216-004.D\

Calibration Date: 12/3/15
Calibration ID: JC1500054
Analysis Lot: 476855
Units: µg/L

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
1-Methylnaphthalene	10000	8630	1.541	1.330	-13.7	NA	± 20 %	Average RF
2-Methylnaphthalene	10000	8810	1.718	1.513	-11.9	NA	± 20 %	Average RF
Acenaphthene	10000	8370	1.548	1.296	-16.3	NA	± 20 %	Average RF
Acenaphthylene	10000	9330	2.215	2.067	-6.7	NA	± 20 %	Average RF
Anthracene	10000	9240	1.236	1.142	-7.6	NA	± 20 %	Average RF
Benz(a)anthracene	10000	8870	1.323	1.173	-11.3	NA	± 20 %	Average RF
Benzo(a)pyrene	10000	9640	1.251	1.206	-3.6	NA	± 20 %	Average RF
Benzo(b)fluoranthene	10000	9100	1.370	1.247	-9.0	NA	± 20 %	Average RF
Benzo(g,h,i)perylene	10000	9600	1.281	1.230	-4.0	NA	± 20 %	Average RF
Benzo(k)fluoranthene	10000	8940	1.460	1.305	-10.6	NA	± 20 %	Average RF
Chrysene	10000	8640	1.421	1.228	-13.6	NA	± 20 %	Average RF
Dibenz(a,h)anthracene	10000	9770	1.241	1.213	-2.3	NA	± 20 %	Average RF
Fluoranthene	10000	9020	1.262	1.138	-9.8	NA	± 20 %	Average RF
Fluorene	10000	8860	1.690	1.497	-11.4	NA	± 20 %	Average RF
Indeno(1,2,3-cd)pyrene	10000	9990	1.432	1.430	-0.1	NA	± 20 %	Average RF
Naphthalene	10000	8220	1.369	1.125	-17.8	NA	± 20 %	Average RF
Pentachlorophenol (PCP)	20000	18000	NA	NA	NA	-10.1	± 20 %	Quadratic
Phenanthrene	10000	8280	1.425	1.180	-17.2	NA	± 20 %	Average RF
Pyrene	10000	9470	1.551	1.469	-5.3	NA	± 20 %	Average RF
2,4,6-Tribromophenol	10000	9540	0.1859	0.1773	-4.6	NA	± 20 %	Average RF
2-Fluorobiphenyl	10000	8510	1.969	1.676	-14.9	NA	± 20 %	Average RF
p-Terphenyl-d14	10000	9260	0.9269	0.8588	-7.4	NA	± 20 %	Average RF