Client:	Beazer East, Inc.	**Service Request:**	J1509207
Project:	Beazer Gainesville	**Date Collected:**	11/17/15 1340
Sample Matrix:	Soil	**Date Received:**	11/18/15
Sample Name:	SOPILE 3-3C	**Units:**	µg/Kg
Lab Code:	J1509207-004	**Basis:**	Basis Adjustment Factor Missing

Semivolatile Organic Compounds by GC/MS SIM

Analytical Method: 8270D SIM
Prep Method: EPA 3546

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1-Methylnaphthalene	ND	U	174	138	50	12/ 4/15	12/5/15 23:49	251337	475077	Q
2-Methylnaphthalene	ND	U	174	118	50	12/ 4/15	12/5/15 23:49	251337	475077	Q
Acenaphthene	ND	U	347	159	50	12/ 4/15	12/5/15 23:49	251337	475077	Q
Acenaphthylene	ND	U	347	113	50	12/ 4/15	12/5/15 23:49	251337	475077	Q
Anthracene	ND	U	174	81.7	50	12/ 4/15	12/5/15 23:49	251337	475077	Q
Benz(a)anthracene	ND	U	174	97.1	50	12/ 4/15	12/5/15 23:49	251337	475077	Q
Benzo(a)pyrene	ND	U	174	51.1	50	12/ 4/15	12/5/15 23:49	251337	475077	Q
Benzo(b)fluoranthene	ND	U	174	103	50	12/ 4/15	12/5/15 23:49	251337	475077	Q
Benzo(g,h,i)perylene	ND	U	174	113	50	12/ 4/15	12/5/15 23:49	251337	475077	Q
Benzo(k)fluoranthene	ND	U	174	123	50	12/ 4/15	12/5/15 23:49	251337	475077	Q
Chrysene	ND	U	174	97.1	50	12/ 4/15	12/5/15 23:49	251337	475077	Q
Dibenz(a,h)anthracene	ND	U	174	138	50	12/ 4/15	12/5/15 23:49	251337	475077	Q
Fluoranthene	ND	U	174	103	50	12/ 4/15	12/5/15 23:49	251337	475077	Q
Fluorene	ND	U	174	113	50	12/ 4/15	12/5/15 23:49	251337	475077	Q
Indeno(1,2,3-cd)pyrene	ND	U	174	113	50	12/ 4/15	12/5/15 23:49	251337	475077	Q
Naphthalene	ND	U	174	159	50	12/ 4/15	12/5/15 23:49	251337	475077	Q
Pentachlorophenol (PCP)	ND	U	1740	766	50	12/ 4/15	12/5/15 23:49	251337	475077	Q
Phenanthrene	ND	U	347	86.8	50	12/ 4/15	12/5/15 23:49	251337	475077	Q
Pyrene	ND	U	174	103	50	12/ 4/15	12/5/15 23:49	251337	475077	Q

Surrogate Name	%Rec		Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	0	*	34-166	12/5/15 23:49	
2-Fluorobiphenyl	66		30-118	12/5/15 23:49	
p-Terphenyl-d14	69		41-146	12/5/15 23:49	

Client:	Beazer East, Inc.	**Service Request:**	J1509207
Project:	Beazer Gainesville	**Date Collected:**	11/17/15 1354
Sample Matrix:	Soil	**Date Received:**	11/18/15
Sample Name:	SOPILE 3-3	**Units:**	µg/Kg
Lab Code:	J1509207-005	**Basis:**	Dry
		Percent Solids:	92

Semivolatile Organic Compounds by GC/MS SIM

Analytical Method: 8270D SIM
Prep Method: EPA 3546

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1-Methylnaphthalene	ND	U	78.1	62.1	20	11/19/15	11/21/15 03:24	250349	473367	
2-Methylnaphthalene	ND	U	78.1	52.9	20	11/19/15	11/21/15 03:24	250349	473367	
Acenaphthene	ND	U	156	71.3	20	11/19/15	11/21/15 03:24	250349	473367	
Acenaphthylene	ND	U	156	50.6	20	11/19/15	11/21/15 03:24	250349	473367	
Anthracene	ND	U	78.1	36.8	20	11/19/15	11/21/15 03:24	250349	473367	
Benz(a)anthracene	**125**		78.1	43.7	20	11/19/15	11/21/15 03:24	250349	473367	
Benzo(a)pyrene	**25.8**	I	78.1	23.0	20	11/19/15	11/21/15 03:24	250349	473367	
Benzo(b)fluoranthene	**50.1**	I	78.1	46.0	20	11/19/15	11/21/15 03:24	250349	473367	
Benzo(g,h,i)perylene	ND	U	78.1	50.6	20	11/19/15	11/21/15 03:24	250349	473367	
Benzo(k)fluoranthene	ND	U	78.1	55.2	20	11/19/15	11/21/15 03:24	250349	473367	
Chrysene	ND	U	78.1	43.7	20	11/19/15	11/21/15 03:24	250349	473367	
Dibenz(a,h)anthracene	ND	U	78.1	62.1	20	11/19/15	11/21/15 03:24	250349	473367	
Fluoranthene	ND	U	78.1	46.0	20	11/19/15	11/21/15 03:24	250349	473367	
Fluorene	ND	U	78.1	50.6	20	11/19/15	11/21/15 03:24	250349	473367	
Indeno(1,2,3-cd)pyrene	ND	U	78.1	50.6	20	11/19/15	11/21/15 03:24	250349	473367	
Naphthalene	ND	U	78.1	71.3	20	11/19/15	11/21/15 03:24	250349	473367	
Pentachlorophenol (PCP)	ND	U	781	345	20	11/19/15	11/21/15 03:24	250349	473367	
Phenanthrene	ND	U	156	39.1	20	11/19/15	11/21/15 03:24	250349	473367	
Pyrene	ND	U	78.1	46.0	20	11/19/15	11/21/15 03:24	250349	473367	

Surrogate Name	%Rec		Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	0	*	34-166	11/21/15 03:24	
2-Fluorobiphenyl	82		30-118	11/21/15 03:24	
p-Terphenyl-d14	87		41-146	11/21/15 03:24	

Client:	Beazer East, Inc.	**Service Request:**	J1509207
Project:	Beazer Gainesville	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	µg/Kg
Lab Code:	JQ1509033-01	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS SIM

Analytical Method: 8270D SIM
Prep Method: EPA 3546

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1-Methylnaphthalene	ND	U	3.40	2.70	1	11/19/15	11/19/15 01:01	250349	473315	
2-Methylnaphthalene	ND	U	3.40	2.30	1	11/19/15	11/19/15 01:01	250349	473315	
Acenaphthene	ND	U	6.80	3.10	1	11/19/15	11/19/15 01:01	250349	473315	
Acenaphthylene	ND	U	6.80	2.20	1	11/19/15	11/19/15 01:01	250349	473315	
Anthracene	ND	U	3.40	1.60	1	11/19/15	11/19/15 01:01	250349	473315	
Benz(a)anthracene	ND	U	3.40	1.90	1	11/19/15	11/19/15 01:01	250349	473315	
Benzo(a)pyrene	ND	U	3.40	1.00	1	11/19/15	11/19/15 01:01	250349	473315	
Benzo(b)fluoranthene	ND	U	3.40	2.00	1	11/19/15	11/19/15 01:01	250349	473315	
Benzo(g,h,i)perylene	ND	U	3.40	2.20	1	11/19/15	11/19/15 01:01	250349	473315	
Benzo(k)fluoranthene	ND	U	3.40	2.40	1	11/19/15	11/19/15 01:01	250349	473315	
Chrysene	ND	U	3.40	1.90	1	11/19/15	11/19/15 01:01	250349	473315	
Dibenz(a,h)anthracene	ND	U	3.40	2.70	1	11/19/15	11/19/15 01:01	250349	473315	
Fluoranthene	ND	U	3.40	2.00	1	11/19/15	11/19/15 01:01	250349	473315	
Fluorene	ND	U	3.40	2.20	1	11/19/15	11/19/15 01:01	250349	473315	
Indeno(1,2,3-cd)pyrene	ND	U	3.40	2.20	1	11/19/15	11/19/15 01:01	250349	473315	
Naphthalene	ND	U	3.40	3.10	1	11/19/15	11/19/15 01:01	250349	473315	
Pentachlorophenol (PCP)	ND	U	34.0	15.0	1	11/19/15	11/19/15 01:01	250349	473315	
Phenanthrene	ND	U	6.80	1.70	1	11/19/15	11/19/15 01:01	250349	473315	
Pyrene	ND	U	3.40	2.00	1	11/19/15	11/19/15 01:01	250349	473315	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	64	34-166	11/19/15 01:01	
2-Fluorobiphenyl	77	30-118	11/19/15 01:01	
p-Terphenyl-d14	88	41-146	11/19/15 01:01	

Client:	Beazer East, Inc.	**Service Request:**	J1509207
Project:	Beazer Gainesville	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	µg/Kg
Lab Code:	JQ1509458-01	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS SIM

Analytical Method: 8270D SIM
Prep Method: EPA 3546

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1-Methylnaphthalene	ND	U	3.40	2.70	1	12/ 4/15	12/5/15 03:11	251337	475075	
2-Methylnaphthalene	ND	U	3.40	2.30	1	12/ 4/15	12/5/15 03:11	251337	475075	
Acenaphthene	ND	U	6.80	3.10	1	12/ 4/15	12/5/15 03:11	251337	475075	
Acenaphthylene	ND	U	6.80	2.20	1	12/ 4/15	12/5/15 03:11	251337	475075	
Anthracene	ND	U	3.40	1.60	1	12/ 4/15	12/5/15 03:11	251337	475075	
Benz(a)anthracene	ND	U	3.40	1.90	1	12/ 4/15	12/5/15 03:11	251337	475075	
Benzo(a)pyrene	ND	U	3.40	1.00	1	12/ 4/15	12/5/15 03:11	251337	475075	
Benzo(b)fluoranthene	ND	U	3.40	2.00	1	12/ 4/15	12/5/15 03:11	251337	475075	
Benzo(g,h,i)perylene	ND	U	3.40	2.20	1	12/ 4/15	12/5/15 03:11	251337	475075	
Benzo(k)fluoranthene	ND	U	3.40	2.40	1	12/ 4/15	12/5/15 03:11	251337	475075	
Chrysene	ND	U	3.40	1.90	1	12/ 4/15	12/5/15 03:11	251337	475075	
Dibenz(a,h)anthracene	ND	U	3.40	2.70	1	12/ 4/15	12/5/15 03:11	251337	475075	
Fluoranthene	ND	U	3.40	2.00	1	12/ 4/15	12/5/15 03:11	251337	475075	
Fluorene	ND	U	3.40	2.20	1	12/ 4/15	12/5/15 03:11	251337	475075	
Indeno(1,2,3-cd)pyrene	ND	U	3.40	2.20	1	12/ 4/15	12/5/15 03:11	251337	475075	
Naphthalene	ND	U	3.40	3.10	1	12/ 4/15	12/5/15 03:11	251337	475075	
Pentachlorophenol (PCP)	ND	U	34.0	15.0	1	12/ 4/15	12/5/15 03:11	251337	475075	
Phenanthrene	ND	U	6.80	1.70	1	12/ 4/15	12/5/15 03:11	251337	475075	
Pyrene	ND	U	3.40	2.00	1	12/ 4/15	12/5/15 03:11	251337	475075	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	69	34-166	12/5/15 03:11	
2-Fluorobiphenyl	63	30-118	12/5/15 03:11	
p-Terphenyl-d14	65	41-146	12/5/15 03:11	

Client: Beazer East, Inc.
Project: Beazer Gainesville
Sample Matrix: Soil

Service Request: J1509207

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
SOPILE 3-2A	J1509207-001	0 *	51	60
SOPILE 3-2	J1509207-002	0 *	91	114
SOPILE 3-3B	J1509207-003	0 *	61	55
SOPILE 3-3C	J1509207-004	0 *	66	69
SOPILE 3-3	J1509207-005	0 *	82	87
Method Blank	JQ1509033-01	64	77	88
Method Blank	JQ1509458-01	69	63	65
Lab Control Sample	JQ1509033-02	94	85	91
Lab Control Sample	JQ1509458-02	68	55	62
SOPILE 3-3MS	JQ1509033-03	0 *	67	75
SOPILE 3-3DMS	JQ1509033-04	0 *	90	89

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

Service Request: J1509207
Date Analyzed: 11/20/15 18:38

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

File ID: I:\MS02\DATA\MS02-151120\1120-004.D\
Instrument ID: J-MS-02
Analytical Method: 8270D SIM

Lab Code: JQ1509120-05
Analysis Lot: 473367
Signal ID:

		Acenaphthene-d10		Chrysene-d12		Naphthalene-d8	
		Area	**RT**	**Area**	**RT**	**Area**	**RT**
	Results ==>	424,157	8.38	537,347	13.41	877,421	6.27
	Upper Limit ==>	848,314	8.88	1,074,694	13.91	1,754,842	6.77
	Lower Limit ==>	212,079	7.88	268,674	12.91	438,711	5.77
	ICAL Result ==>	571,408	8.57	711,625	13.62	1,216,959	6.46
Associated Analyses							
SOPILE 3-3	J1509207-005	390,449	8.38	439,815	13.41	821,478	6.27
SOPILE 3-3MS	JQ1509033-03	388,895	8.38	420,961	13.41	823,821	6.27
SOPILE 3-3DMS	JQ1509033-04	374,976	8.38	413,702	13.41	791,693	6.27
SOPILE 3-2	J1509207-002	387,381	8.38	468,290	13.41	805,723	6.27

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

Client: Beazer East, Inc.
Project: Beazer Gainesville

Service Request: J1509207
Date Analyzed: 11/20/15 18:38

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

File ID: I:\MS02\DATA\MS02-151120\1120-004.D\
Instrument ID: J-MS-02
Analytical Method: 8270D SIM

Lab Code: JQ1509120-05
Analysis Lot: 473367
Signal ID:

		Perylene-d12		Phenanthrene-d10	
		Area	**RT**	**Area**	**RT**
	Results ==>	458,930	15.06	704,551	10.19
	Upper Limit ==>	917,860	15.56	1,409,102	10.69
	Lower Limit ==>	229,465	14.56	352,276	9.69
	ICAL Result ==>	622,619	15.29	940,532	10.39
Associated Analyses					
SOPILE 3-3	J1509207-005	383,864	15.05	627,011	10.19
SOPILE 3-3MS	JQ1509033-03	362,987	15.05	626,734	10.19
SOPILE 3-3DMS	JQ1509033-04	356,858	15.05	594,936	10.19
SOPILE 3-2	J1509207-002	394,193	15.05	635,593	10.19

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

Client: Beazer East, Inc.
Project: Beazer Gainesville

Service Request: J1509207
Date Analyzed: 12/5/15 10:16

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

File ID: I:\MS02\DATA\MS02-151204\1204-024.D\
Instrument ID: J-MS-02
Analytical Method: 8270D SIM

Lab Code: JQ1510157-02
Analysis Lot: 475076
Signal ID:

		Acenaphthene-d10		Chrysene-d12		Naphthalene-d8	
		Area	**RT**	**Area**	**RT**	**Area**	**RT**
	Results ==>	271,609	8.36	386,191	13.40	539,714	6.26
	Upper Limit ==>	543,218	8.86	772,382	13.90	1,079,428	6.76
	Lower Limit ==>	135,805	7.86	193,096	12.90	269,857	5.76
	ICAL Result ==>	360,420	8.37	532,777	13.40	707,468	6.26
Associated Analyses							
SOPILE 3-2A	J1509207-001	270,354	8.36	337,949	13.40	545,220	6.25

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

Client: Beazer East, Inc.
Project: Beazer Gainesville

Service Request: J1509207
Date Analyzed: 12/5/15 10:16

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

File ID: I:\MS02\DATA\MS02-151204\1204-024.D\
Instrument ID: J-MS-02
Analytical Method: 8270D SIM

Lab Code: JQ1510157-02
Analysis Lot: 475076
Signal ID:

		Perylene-d12		Phenanthrene-d10	
		Area	**RT**	**Area**	**RT**
	Results ==>	336,318	15.05	466,412	10.18
	Upper Limit ==>	672,636	15.55	932,824	10.68
	Lower Limit ==>	168,159	14.55	233,206	9.68
	ICAL Result ==>	454,833	15.05	616,850	10.18
Associated Analyses					
SOPILE 3-2A	J1509207-001	297,454	15.04	447,905	10.18

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

Client: Beazer East, Inc.
Project: Beazer Gainesville

Service Request: J1509207
Date Analyzed: 12/5/15 20:36

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

File ID: I:\MS02\DATA\MS02-151204\1204-047.D\
Instrument ID: J-MS-02
Analytical Method: 8270D SIM

Lab Code: JQ1510158-02
Analysis Lot: 475077
Signal ID:

		Acenaphthene-d10		Chrysene-d12		Naphthalene-d8	
		Area	**RT**	**Area**	**RT**	**Area**	**RT**
	Results ==>	276,679	8.36	385,760	13.40	551,142	6.26
	Upper Limit ==>	553,358	8.86	771,520	13.90	1,102,284	6.76
	Lower Limit ==>	138,340	7.86	192,880	12.90	275,571	5.76
	ICAL Result ==>	360,420	8.37	532,777	13.40	707,468	6.26
Associated Analyses							
SOPILE 3-3B	J1509207-003	246,892	8.37	339,504	13.40	497,709	6.26
SOPILE 3-3C	J1509207-004	255,506	8.37	322,491	13.40	511,800	6.26

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

Client: Beazer East, Inc.
Project: Beazer Gainesville

Service Request: J1509207
Date Analyzed: 12/5/15 20:36

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

File ID: I:\MS02\DATA\MS02-151204\1204-047.D\
Instrument ID: J-MS-02
Analytical Method: 8270D SIM

Lab Code: JQ1510158-02
Analysis Lot: 475077
Signal ID:

		Perylene-d12		Phenanthrene-d10	
		Area	**RT**	**Area**	**RT**
	Results ==>	337,670	15.04	467,669	10.18
	Upper Limit ==>	675,340	15.54	935,338	10.68
	Lower Limit ==>	168,835	14.54	233,835	9.68
	ICAL Result ==>	454,833	15.05	616,850	10.18
Associated Analyses					
SOPILE 3-3B	J1509207-003	297,711	15.04	427,280	10.18
SOPILE 3-3C	J1509207-004	284,236	15.04	425,773	10.18

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

Client: Beazer East, Inc.
Project: Beazer Gainesville
Sample Matrix: Soil

Service Request: J1509207
Date Collected: 11/17/15
Date Received: 11/18/15
Date Analyzed: 11/21/15

Matrix Spike Summary
Semivolatile Organic Compounds by GC/MS SIM

Sample Name: SOPILE 3-3
Lab Code: J1509207-005

Units: µg/Kg
Basis: Dry

Analytical Method: 8270D SIM
Prep Method: EPA 3546

		SOPILE 3-3MS Matrix Spike JQ1509033-03				SOPILE 3-3DMS Duplicate Matrix Spike JQ1509033-04					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**		**Result**	**Spike Amount**	**% Rec**		**% Rec Limits**	**RPD**	**RPD Limit**
1-Methylnaphthalene	ND	ND	75.0	0	*	71.2	77.3	92		32 - 101	NC	30
2-Methylnaphthalene	ND	ND	75.0	0	*	69.0	77.3	89		32 - 103	NC	30
Acenaphthene	ND	ND	75.0	0	*	75.4	77.3	98		29 - 122	NC	30
Acenaphthylene	ND	53.4	75.0	71		70.8	77.3	92		36 - 114	28	30
Anthracene	ND	57.5	75.0	77		74.5	77.3	96		36 - 135	26	30
Benz(a)anthracene	125	175	75.0	66		197	77.3	93		43 - 139	12	30
Benzo(a)pyrene	25.8	81.2	75.0	74		103	77.3	100		43 - 127	24	30
Benzo(b)fluoranthene	50.1	106	75.0	75		127	77.3	99		49 - 139	17	30
Benzo(g,h,i)perylene	ND	86.7	75.0	116		108	77.3	140	*	30 - 135	22	30
Benzo(k)fluoranthene	ND	77.5	75.0	103		88.7	77.3	115		45 - 132	14	30
Chrysene	ND	86.9	75.0	116		103	77.3	133	*	36 - 130	17	30
Dibenz(a,h)anthracene	ND	ND	75.0	0	*	76.6	77.3	99		32 - 139	NC	30
Fluoranthene	ND	81.3	75.0	108		101	77.3	131	*	42 - 127	22	30
Fluorene	ND	54.1	75.0	72		72.1	77.3	93		41 - 118	29	30
Indeno(1,2,3-cd)pyrene	ND	74.1	75.0	99		92.4	77.3	120		32 - 133	22	30
Naphthalene	ND	ND	75.0	0	*	77.1	77.3	100		29 - 107	NC	30
Pentachlorophenol (PCP)	ND	ND	150	0	*	ND	155	0	*	10 - 100	NC	30
Phenanthrene	ND	76.5	75.0	102		94.9	77.3	123		34 - 130	21	30
Pyrene	ND	100	75.0	134	*	114	77.3	148	*	45 - 118	13	30

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

Results flagged with a pound (#) indicate the control criteria is not applicable.

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

Client: Beazer East, Inc.
Project: Beazer Gainesville
Sample Matrix: Soil

Service Request: J1509207
Date Analyzed: 11/20/15

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: 250349

Lab Control Sample
JQ1509033-02

Analyte Name	Result	Spike Amount	% Rec	% Rec Limits
1-Methylnaphthalene	54.4	66.7	82	32 - 101
2-Methylnaphthalene	54.1	66.7	81	32 - 103
Acenaphthene	59.8	66.7	90	29 - 122
Acenaphthylene	51.0	66.7	76	36 - 114
Anthracene	55.6	66.7	83	36 - 135
Benz(a)anthracene	59.8	66.7	90	43 - 139
Benzo(a)pyrene	55.9	66.7	84	43 - 127
Benzo(b)fluoranthene	66.6	66.7	100	49 - 139
Benzo(g,h,i)perylene	63.0	66.7	94	30 - 135
Benzo(k)fluoranthene	63.1	66.7	95	45 - 132
Chrysene	70.0	66.7	105	36 - 130
Dibenz(a,h)anthracene	62.0	66.7	93	32 - 139
Fluoranthene	59.3	66.7	89	42 - 127
Fluorene	60.1	66.7	90	41 - 118
Indeno(1,2,3-cd)pyrene	60.4	66.7	91	32 - 133
Naphthalene	56.9	66.7	85	29 - 107
Pentachlorophenol (PCP)	121	133	91	10 - 100
Phenanthrene	62.2	66.7	93	34 - 130
Pyrene	63.5	66.7	95	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.

Client: Beazer East, Inc.
Project: Beazer Gainesville
Sample Matrix: Soil

Service Request: J1509207
Date Analyzed: 12/ 5/15

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: 251337

Lab Control Sample
JQ1509458-02

Analyte Name	Result	Spike Amount	% Rec	% Rec Limits
1-Methylnaphthalene	40.1	66.7	60	32 - 101
2-Methylnaphthalene	40.0	66.7	60	32 - 103
Acenaphthene	44.1	66.7	66	29 - 122
Acenaphthylene	43.4	66.7	65	36 - 114
Anthracene	46.1	66.7	69	36 - 135
Benz(a)anthracene	49.8	66.7	75	43 - 139
Benzo(a)pyrene	50.0	66.7	75	43 - 127
Benzo(b)fluoranthene	48.9	66.7	73	49 - 139
Benzo(g,h,i)perylene	53.1	66.7	80	30 - 135
Benzo(k)fluoranthene	52.6	66.7	79	45 - 132
Chrysene	51.3	66.7	77	36 - 130
Dibenz(a,h)anthracene	52.9	66.7	79	32 - 139
Fluoranthene	50.7	66.7	76	42 - 127
Fluorene	46.3	66.7	69	41 - 118
Indeno(1,2,3-cd)pyrene	53.7	66.7	81	32 - 133
Naphthalene	41.7	66.7	63	29 - 107
Pentachlorophenol (PCP)	70.9	133	53	10 - 100
Phenanthrene	47.1	66.7	71	34 - 130
Pyrene	51.6	66.7	77	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.

Client:	Beazer East, Inc.	**Service Request:**	J1509207
Project:	Beazer Gainesville	**Date Analyzed:**	11/19/15 01:01
Sample Matrix:	Soil	**Date Extracted:**	11/19/15

Method Blank Summary
Semivolatile Organic Compounds by GC/MS SIM

Sample Name:	Method Blank	**Instrument ID:**	J-MS-02
Lab Code:	JQ1509033-01	**File ID:**	I:\MS02\DATA\MS02-151119\1119-011.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	JQ1509033-02	I:\MS02\DATA\MS02-151119\1119-012.D\	11/20/15 01:29
SOPILE 3-3	J1509207-005	I:\MS02\DATA\MS02-151120\1120-023.D\	11/21/15 03:24
SOPILE 3-3MS	JQ1509033-03	I:\MS02\DATA\MS02-151120\1120-024.D\	11/21/15 03:52
SOPILE 3-3DMS	JQ1509033-04	I:\MS02\DATA\MS02-151120\1120-025.D\	11/21/15 04:20
SOPILE 3-2	J1509207-002	I:\MS02\DATA\MS02-151120\1120-027.D\	11/21/15 05:16

Client:	Beazer East, Inc.	**Service Request:**	J1509207
Project:	Beazer Gainesville	**Date Analyzed:**	12/5/15 03:11
Sample Matrix:	Soil	**Date Extracted:**	12/4/15

Method Blank Summary
Semivolatile Organic Compounds by GC/MS SIM

Sample Name:	Method Blank	**Instrument ID:**	J-MS-02
Lab Code:	JQ1509458-01	**File ID:**	I:\MS02\DATA\MS02-151204\1204-008.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	JQ1509458-02	I:\MS02\DATA\MS02-151204\1204-009.D\	12/5/15 03:39
SOPILE 3-2A	J1509207-001	I:\MS02\DATA\MS02-151204\1204-044.D\	12/5/15 19:28
SOPILE 3-3B	J1509207-003	I:\MS02\DATA\MS02-151204\1204-053.D\	12/5/15 23:21
SOPILE 3-3C	J1509207-004	I:\MS02\DATA\MS02-151204\1204-054.D\	12/5/15 23:49

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Beazer East, Inc.	**Service Request:**	J1509207
Project:	Beazer Gainesville	**Date Analyzed:**	11/20/15 01:29
Sample Matrix:	Soil	**Date Extracted:**	11/19/15

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

Sample Name:	Lab Control Sample	**Instrument ID:**	J-MS-02
Lab Code:	JQ1509033-02	**File ID:**	I:\MS02\DATA\MS02-151119\1119-012.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
SOPILE 3-3MS	JQ1509033-03	I:\MS02\DATA\MS02-151120\1120-024.D\	11/21/15 03:52
SOPILE 3-3	J1509207-005	I:\MS02\DATA\MS02-151120\1120-023.D\	11/21/15 03:24
Method Blank	JQ1509033-01	I:\MS02\DATA\MS02-151119\1119-011.D\	11/19/15 01:01
SOPILE 3-3DMS	JQ1509033-04	I:\MS02\DATA\MS02-151120\1120-025.D\	11/21/15 04:20
SOPILE 3-2	J1509207-002	I:\MS02\DATA\MS02-151120\1120-027.D\	11/21/15 05:16

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Beazer East, Inc.	**Service Request:**	J1509207
Project:	Beazer Gainesville	**Date Analyzed:**	12/5/15 03:39
Sample Matrix:	Soil	**Date Extracted:**	12/4/15

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

Sample Name:	Lab Control Sample	**Instrument ID:**	J-MS-02
Lab Code:	JQ1509458-02	**File ID:**	I:\MS02\DATA\MS02-151204\1204-009.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
Method Blank	JQ1509458-01	I:\MS02\DATA\MS02-151204\1204-008.D\	12/5/15 03:11
SOPILE 3-2A	J1509207-001	I:\MS02\DATA\MS02-151204\1204-044.D\	12/5/15 19:28
SOPILE 3-3C	J1509207-004	I:\MS02\DATA\MS02-151204\1204-054.D\	12/5/15 23:49
SOPILE 3-3B	J1509207-003	I:\MS02\DATA\MS02-151204\1204-053.D\	12/5/15 23:21

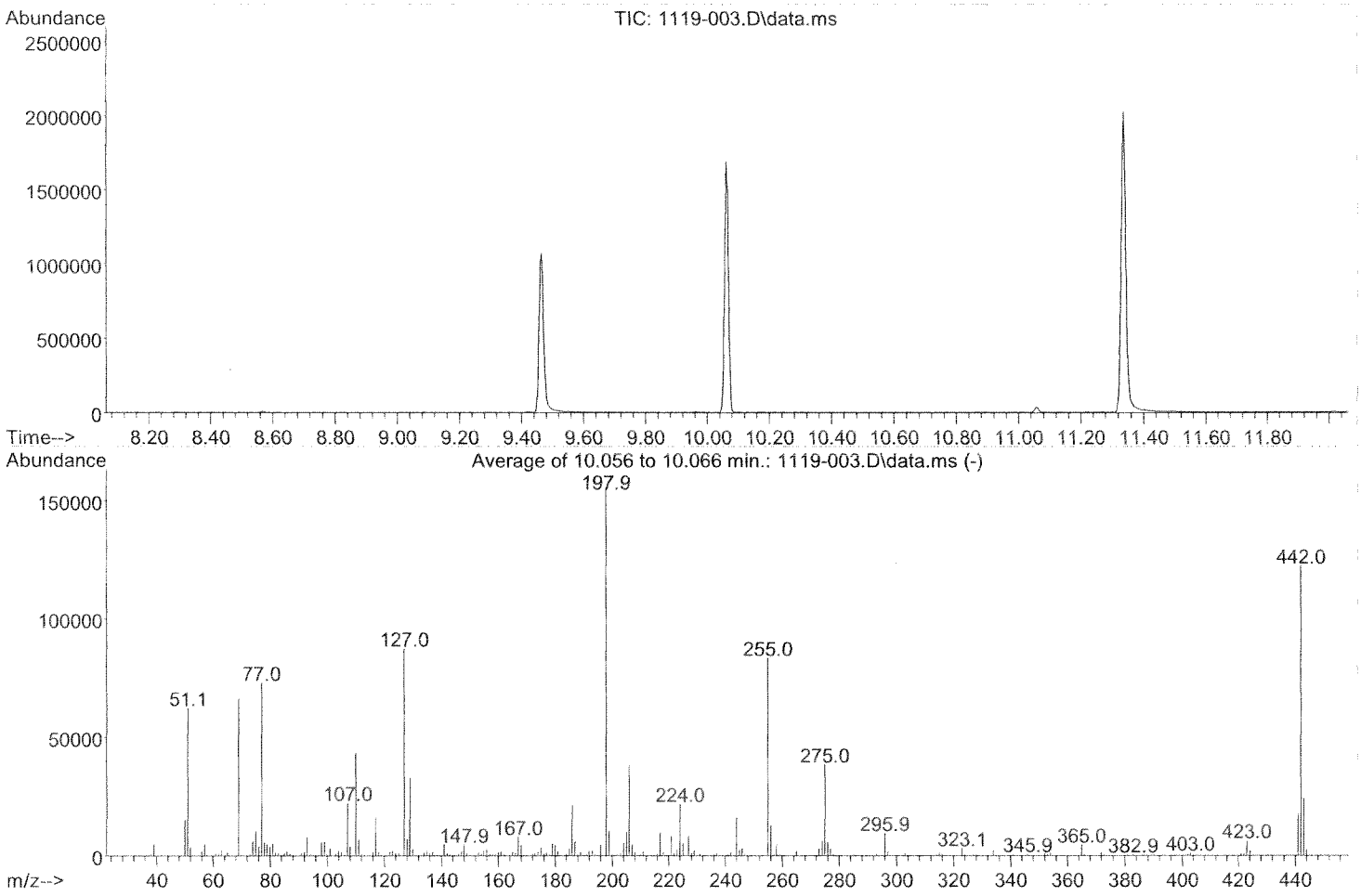
DFTPP

1st JSW 11/20/15
2nd 11/23/15

Data Path : I:\MS02\DATA\MS02-151119\
Data File : 1119-003.D
Acq On : 19 Nov 2015 21:16
Operator : JSW
Sample : TUNE
Misc : 8270C SIM
ALS Vial : 3 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\MS02\METHODS\MS02-TUNE.M
Title : Tune
Last Update : Wed Jun 03 15:30:56 2015



AutoFind: Scans 1033, 1034, 1035; Background Corrected with Scan 1027

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	40.1	62448	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	42.6	66253	PASS
70	69	0.00	2	0.4	276	PASS
127	198	40	60	56.3	87629	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	155701	PASS
199	198	5	9	6.7	10377	PASS
275	198	10	30	24.8	38560	PASS
365	198	1	100	3.0	4642	PASS
441	443	0.01	100	74.3	17872	PASS
442	198	40	200	78.7	122573	PASS
443	442	17	23	19.6	24049	PASS

Client: Beazer East, Inc.
Project: Beazer Gainesville

Service Request: J1509207
Date Analyzed: 11/20/15 18:17

Tune Summary
Semivolatile Organic Compounds by GC/MS SIM

File ID: I:\MS02\DATA\MS02-151120\1120-003.D\
Instrument ID: J-MS-02

Analytical Method: 8270D SIM
Analysis Lot: 473367

Target Mass	Relative to Mass	Lower Limit%	Upper Limit%	Relative Abundance %	Raw Abundance	Result Pass/Fail
127	198	40	60	54.25	75723	Pass
197	198	0	1	0.00	0	Pass
198	198	100	100	100.00	139579	Pass
199	198	5	9	6.48	9038	Pass
275	198	10	30	27.28	38077	Pass
365	198	1	100	3.65	5089	Pass
441	443	0	100	76.02	19904	Pass
442	198	40	200	95.97	133955	Pass
443	442	17	23	19.55	26184	Pass
51	198	30	60	36.52	50979	Pass
68	69	0	2	0.00	0	Pass
70	69	0	2	0.79	443	Pass
69	198	0	100	40.01	55851	Pass

Sample Name	Lab Code	File ID	Date Analyzed	Q
Continuing Calibration Verification	JQ1509120-05	I:\MS02\DATA\MS02-151120\1120-004.D\	11/20/15 18:38	
SOPILE 3-3	J1509207-005	I:\MS02\DATA\MS02-151120\1120-023.D\	11/21/15 03:24	
SOPILE 3-3MS	JQ1509033-03	I:\MS02\DATA\MS02-151120\1120-024.D\	11/21/15 03:52	
SOPILE 3-3DMS	JQ1509033-04	I:\MS02\DATA\MS02-151120\1120-025.D\	11/21/15 04:20	
SOPILE 3-2	J1509207-002	I:\MS02\DATA\MS02-151120\1120-027.D\	11/21/15 05:16	

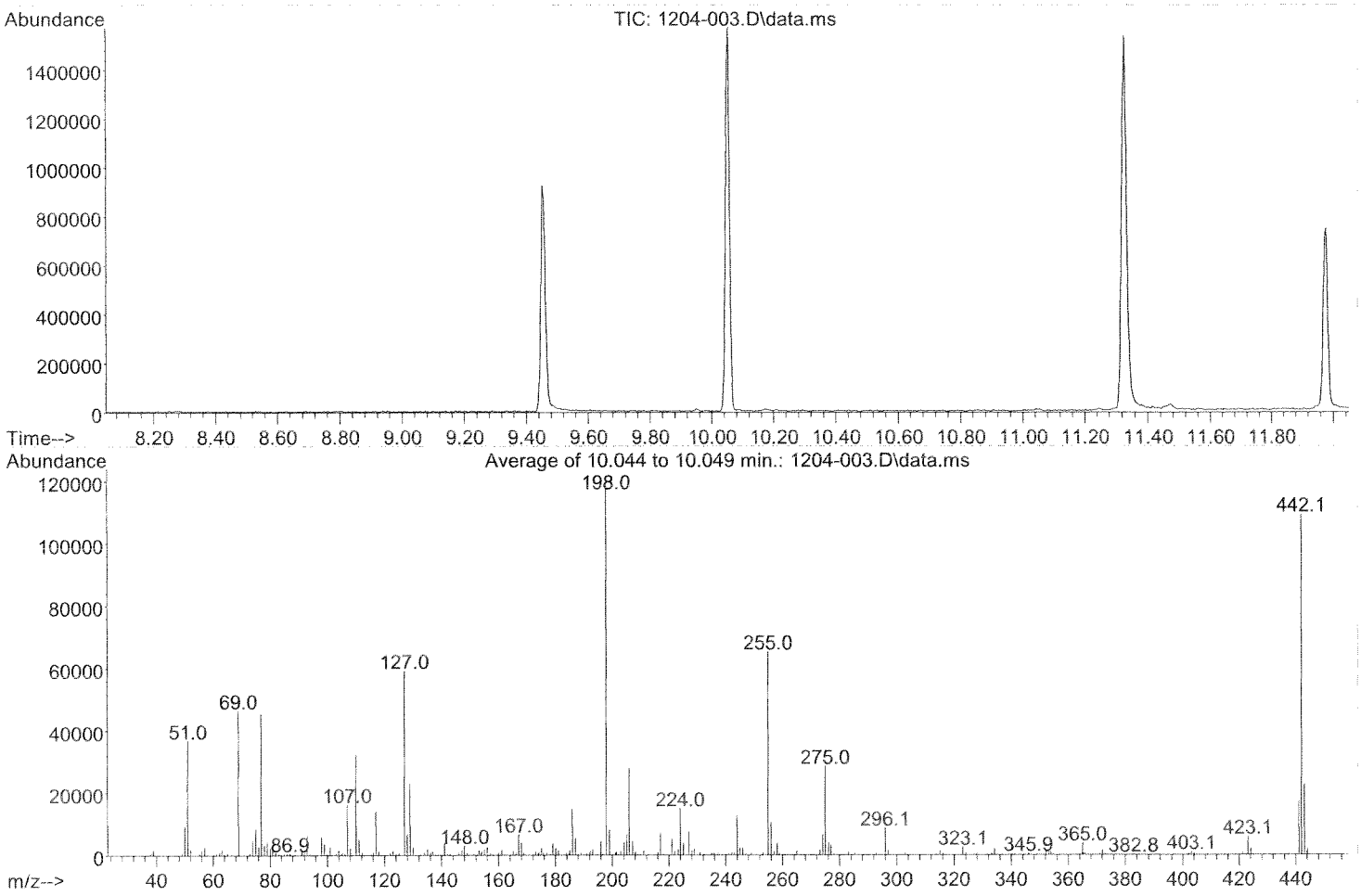
DFTPP

1st JSW 12/06/15
2nd [illegible] 12/07/15

Data Path : I:\MS02\DATA\MS02-151204\
Data File : 1204-003.D
Acq On : 5 Dec 2015 1:00
Operator : JSW
Sample : TUNE
Misc : 8270C SIM
ALS Vial : 3 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\MS02\METHODS\MS02-TUNE.M
Title : Tune
Last Update : Wed Jun 03 15:30:56 2015



Spectrum Information: Average of 10.044 to 10.049 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	31.2	36876	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	39.4	46600	PASS
70	69	0.00	2	0.2	88	PASS
127	198	40	60	50.3	59376	PASS
197	198	0.00	1	0.3	396	PASS
198	198	100	100	100.0	118148	PASS
199	198	5	9	6.8	8054	PASS
275	198	10	30	24.2	28572	PASS
365	198	1	100	3.3	3880	PASS
441	443	0.01	100	76.5	17282	PASS
442	198	40	200	92.7	109480	PASS
443	442	17	23	20.6	22582	PASS

Client: Beazer East, Inc.
Project: Beazer Gainesville

Service Request: J1509207
Date Analyzed: 12/5/15 09:55

Tune Summary
Semivolatile Organic Compounds by GC/MS SIM

File ID: I:\MS02\DATA\MS02-151204\1204-023.D\
Instrument ID: J-MS-02

Analytical Method: 8270D SIM
Analysis Lot: 475076

Target Mass	Relative to Mass	Lower Limit%	Upper Limit%	Relative Abundance %	Raw Abundance	Result Pass/Fail
127	198	40	60	52.14	49416	Pass
197	198	0	1	0.00	0	Pass
198	198	100	100	100.00	94774	Pass
199	198	5	9	7.94	7521	Pass
275	198	10	30	29.46	27918	Pass
365	198	1	100	3.73	3537	Pass
441	443	0	100	81.66	15182	Pass
442	198	40	200	102.38	97025	Pass
443	442	17	23	19.16	18592	Pass
51	198	30	60	30.45	28860	Pass
68	69	0	2	1.52	560	Pass
70	69	0	2	0.66	244	Pass
69	198	0	100	38.79	36766	Pass

Sample Name	Lab Code	File ID	Date Analyzed	Q
Continuing Calibration Verification	JQ1510157-02	I:\MS02\DATA\MS02-151204\1204-024.D\	12/5/15 10:16	
SOPILE 3-2A	J1509207-001	I:\MS02\DATA\MS02-151204\1204-044.D\	12/5/15 19:28	

Client: Beazer East, Inc.
Project: Beazer Gainesville

Service Request: J1509207
Date Analyzed: 12/5/15 20:15

Tune Summary
Semivolatile Organic Compounds by GC/MS SIM

File ID: I:\MS02\DATA\MS02-151204\1204-046.D\
Instrument ID: J-MS-02

Analytical Method: 8270D SIM
Analysis Lot: 475077

Target Mass	Relative to Mass	Lower Limit%	Upper Limit%	Relative Abundance %	Raw Abundance	Result Pass/Fail
127	198	40	60	50.67	35431	Pass
197	198	0	1	0.00	0	Pass
198	198	100	100	100.00	69923	Pass
199	198	5	9	8.09	5658	Pass
275	198	10	30	29.09	20343	Pass
365	198	1	100	3.73	2605	Pass
441	443	0	100	70.36	8054	Pass
442	198	40	200	86.56	60524	Pass
443	442	17	23	18.91	11447	Pass
51	198	30	60	31.30	21887	Pass
68	69	0	2	1.64	460	Pass
70	69	0	2	1.05	295	Pass
69	198	0	100	40.03	27988	Pass

Sample Name	Lab Code	File ID	Date Analyzed	Q
Continuing Calibration Verification	JQ1510158-02	I:\MS02\DATA\MS02-151204\1204-047.D\	12/5/15 20:36	
SOPILE 3-3B	J1509207-003	I:\MS02\DATA\MS02-151204\1204-053.D\	12/5/15 23:21	
SOPILE 3-3C	J1509207-004	I:\MS02\DATA\MS02-151204\1204-054.D\	12/5/15 23:49	

Client: Beazer East, Inc.
Project: Beazer Gainesville

Service Request: J1509207
Calibration Date: 9/14/15

Initial Calibration Summary
Semivolatile Organic Compounds by GC/MS SIM

Calibration ID: JC1500048
Instrument ID: J-MS-02

Signal ID: 1

#	File Location	Acquisition Date	#	File Location	Acquisition Date
01	I:\MS02\DATA\MS02-150914\0914-004.D	9/14/15 13:07	02	I:\MS02\DATA\MS02-150914\0914-005.D	9/14/15 13:34
03	I:\MS02\DATA\MS02-150914\0914-006.D	9/14/15 14:02	04	I:\MS02\DATA\MS02-150914\0914-007.D	9/14/15 14:29
05	I:\MS02\DATA\MS02-150914\0914-008.D	9/14/15 14:57	06	I:\MS02\DATA\MS02-150914\0914-009.D	9/14/15 15:24
07	I:\MS02\DATA\MS02-150914\0914-010.D	9/14/15 15:51	08	I:\MS02\DATA\MS02-150914\0914-011.D	9/14/15 16:19

Analyte

1-Methylnaphthalene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	100.00	1.310	02	500.00	1.319	03	1000.0	1.348	04	2000.0	1.345
05	5000.0	1.361	06	8000.0	1.400	07	10000	1.409	08	20000	1.400

2-Methylnaphthalene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	100.00	1.426	02	500.00	1.463	03	1000.0	1.501	04	2000.0	1.505
05	5000.0	1.525	06	8000.0	1.576	07	10000	1.582	08	20000	1.585

Acenaphthene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	100.00	1.374	02	500.00	1.343	03	1000.0	1.348	04	2000.0	1.340
05	5000.0	1.340	06	8000.0	1.351	07	10000	1.359	08	20000	1.347

Acenaphthylene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	100.00	1.899	02	500.00	1.932	03	1000.0	1.962	04	2000.0	1.975
05	5000.0	2.060	06	8000.0	2.128	07	10000	2.157	08	20000	2.184

Anthracene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	100.00	1.043	02	500.00	0.9864	03	1000.0	1.045	04	2000.0	1.079
05	5000.0	1.150	06	8000.0	1.212	07	10000	1.208	08	20000	1.240

Benz(a)anthracene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	100.00	1.837	02	500.00	1.298	03	1000.0	1.239	04	2000.0	1.215
05	5000.0	1.241	06	8000.0	1.268	07	10000	1.276	08	20000	1.301

Benzo(a)pyrene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	100.00	1.176	02	500.00	1.123	03	1000.0	1.142	04	2000.0	1.156
05	5000.0	1.274	06	8000.0	1.300	07	10000	1.313	08	20000	1.345

Benzo(b)fluoranthene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	100.00	1.192	02	500.00	1.192	03	1000.0	1.217	04	2000.0	1.251
05	5000.0	1.319	06	8000.0	1.344	07	10000	1.377	08	20000	1.382

Client: Beazer East, Inc.
Project: Beazer Gainesville

Service Request: J1509207
Calibration Date: 9/14/15

Initial Calibration Summary
Semivolatile Organic Compounds by GC/MS SIM

Calibration ID: JC1500048
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	1.266	02	500.00	1.217	03	1000.0	1.220	04	2000.0	1.217
05	5000.0	1.247	06	8000.0	1.264	07	10000	1.277	08	20000	1.291

Benzo(k)fluoranthene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	100.00	1.418	02	500.00	1.349	03	1000.0	1.386	04	2000.0	1.372
05	5000.0	1.399	06	8000.0	1.429	07	10000	1.443	08	20000	1.481

Chrysene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	100.00	1.488	02	500.00	1.394	03	1000.0	1.411	04	2000.0	1.391
05	5000.0	1.375	06	8000.0	1.380	07	10000	1.382	08	20000	1.352

Dibenz(a,h)anthracene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	100.00	1.117	02	500.00	1.121	03	1000.0	1.128	04	2000.0	1.133
05	5000.0	1.187	06	8000.0	1.208	07	10000	1.227	08	20000	1.260

Fluoranthene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	100.00	1.210	02	500.00	1.100	03	1000.0	1.117	04	2000.0	1.136
05	5000.0	1.173	06	8000.0	1.187	07	10000	1.189	08	20000	1.205

Fluorene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	100.00	1.442	02	500.00	1.440	03	1000.0	1.456	04	2000.0	1.474
05	5000.0	1.506	06	8000.0	1.533	07	10000	1.554	08	20000	1.546

Indeno(1,2,3-cd)pyrene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	100.00	1.380	02	500.00	1.359	03	1000.0	1.373	04	2000.0	1.371
05	5000.0	1.429	06	8000.0	1.454	07	10000	1.475	08	20000	1.504

Naphthalene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	100.00	1.197	02	500.00	1.193	03	1000.0	1.203	04	2000.0	1.176
05	5000.0	1.155	06	8000.0	1.161	07	10000	1.165	08	20000	1.145

Pentachlorophenol (PCP)

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	200.00	0.05207	02	1000.0	0.04299	03	2000.0	0.04400	04	4000.0	0.05633
05	10000	0.08216	06	16000	0.1012	07	20000	0.1137	08	40000	0.1479

Client: Beazer East, Inc.
Project: Beazer Gainesville

Service Request: J1509207
Calibration Date: 9/14/15

Initial Calibration Summary
Semivolatile Organic Compounds by GC/MS SIM

Calibration ID: JC1500048
Instrument ID: J-MS-02

Signal ID: 1

Analyte

Phenanthrene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	100.00	1.435	02	500.00	1.311	03	1000.0	1.293	04	2000.0	1.275
05	5000.0	1.265	06	8000.0	1.272	07	10000	1.268	08	20000	1.243

Pyrene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	100.00	1.597	02	500.00	1.487	03	1000.0	1.512	04	2000.0	1.517
05	5000.0	1.576	06	8000.0	1.619	07	10000	1.642	08	20000	1.653

2,4,6-Tribromophenol

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	100.00	0.06333	02	500.00	0.06505	03	1000.0	0.06320	04	2000.0	0.06875
05	5000.0	0.07753	06	8000.0	0.08230	07	10000	0.08597	08	20000	0.09654

2-Fluorobiphenyl

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	100.00	1.592	02	500.00	1.621	03	1000.0	1.645	04	2000.0	1.661
05	5000.0	1.684	06	8000.0	1.732	07	10000	1.741	08	20000	1.736

p-Terphenyl-d14

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	100.00	0.7724	02	500.00	0.7583	03	1000.0	0.7717	04	2000.0	0.7769
05	5000.0	0.8021	06	8000.0	0.8308	07	10000	0.8410	08	20000	0.8597

Client: Beazer East, Inc.
Project: Beazer Gainesville

Service Request: J1509207
Calibration Date: 9/14/15

Initial Calibration Summary
Semivolatile Organic Compounds by GC/MS SIM

Calibration ID: JC1500048
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	2.8		≤ 20	1.361		0.1
2-Methylnaphthalene	TRG	Average RF	% RSD	3.8		≤ 20	1.520		0.1
Acenaphthene	TRG	Average RF	% RSD	0.9		≤ 20	1.350		0.1
Acenaphthylene	TRG	Average RF	% RSD	5.4		≤ 20	2.037		0.1
Anthracene	TRG	Average RF	% RSD	8.4		≤ 20	1.121		0.1
Benz(a)anthracene	TRG	Linear	R2	1.000		≥ 0.990	NA		0.1
Benzo(a)pyrene	TRG	Average RF	% RSD	7.2		≤ 20	1.229		0.1
Benzo(b)fluoranthene	TRG	Average RF	% RSD	6.3		≤ 20	1.284		0.1
Benzo(g,h,i)perylene	TRG	Average RF	% RSD	2.3		≤ 20	1.250		0.1
Benzo(k)fluoranthene	TRG	Average RF	% RSD	3.0		≤ 20	1.410		0.1
Chrysene	TRG	Average RF	% RSD	2.9		≤ 20	1.397		0.1
Dibenz(a,h)anthracene	TRG	Average RF	% RSD	4.7		≤ 20	1.173		0.1
Fluoranthene	TRG	Average RF	% RSD	3.6		≤ 20	1.165		0.1
Fluorene	TRG	Average RF	% RSD	3.1		≤ 20	1.494		0.1
Indeno(1,2,3-cd)pyrene	TRG	Average RF	% RSD	3.9		≤ 20	1.418		0.1
Naphthalene	TRG	Average RF	% RSD	1.8		≤ 20	1.174		0.1
Pentachlorophenol (PCP)	TRG	Quadratic	COD	0.999		≥ 0.990	NA	*	0.1
Phenanthrene	TRG	Average RF	% RSD	4.6		≤ 20	1.295		0.1
Pyrene	TRG	Average RF	% RSD	4.0		≤ 20	1.575		0.1
2,4,6-Tribromophenol	SURR	Quadratic	COD	1.000		≥ 0.990	NA	*	0.1
2-Fluorobiphenyl	SURR	Average RF	% RSD	3.4		≤ 20	1.677		0.1
p-Terphenyl-d14	SURR	Average RF	% RSD	4.7		≤ 20	0.8016		0.1

Client: Beazer East, Inc.
Project: Beazer Gainesville

Service Request: J1509207
Calibration Date: 9/14/15

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

Calibration ID: JC1500048
Instrument ID: J-MS-02

Signal ID: 1

#	File Location	Acquisition Date
09	I:\MS02\DATA\MS02-150914\0914-012.D	9/14/15 16:46

Analyte Name	Expected	Result	Average RF	SSV RF	%D	Criteria	Curve Fit
1-Methylnaphthalene	10000	10636.27	1.361	1.448	6.36	±30	Average RF
2-Methylnaphthalene	10000	9983.55	1.520	1.518	-0.16	±30	Average RF
Acenaphthene	10000	10308.79	1.350	1.392	3.09	±30	Average RF
Acenaphthylene	10000	10774.28	2.037	2.195	7.74	±30	Average RF
Anthracene	10000	10207.76	1.121	1.144	2.08	±30	Average RF
Benz(a)anthracene	10000	9803.00	1.335	1.262	-1.97	±30	Linear
Benzo(a)pyrene	10000	10654.92	1.229	1.309	6.55	±30	Average RF
Benzo(b)fluoranthene	10000	11139.35	1.284	1.431	11.39	±30	Average RF
Benzo(g,h,i)perylene	10000	10528.98	1.250	1.316	5.29	±30	Average RF
Benzo(k)fluoranthene	10000	10318.44	1.410	1.454	3.18	±30	Average RF
Chrysene	10000	10274.01	1.397	1.435	2.74	±30	Average RF
Dibenz(a,h)anthracene	10000	10825.45	1.173	1.269	8.25	±30	Average RF
Fluoranthene	10000	10693.75	1.165	1.245	6.94	±30	Average RF
Fluorene	10000	10645.05	1.494	1.590	6.45	±30	Average RF
Indeno(1,2,3-cd)pyrene	10000	10717.70	1.418	1.520	7.18	±30	Average RF
Naphthalene	10000	10074.03	1.174	1.183	0.74	±30	Average RF
Pentachlorophenol (PCP)	10000	8865.62	0.08005	0.07608	-11.34	±30	Quadratic
Phenanthrene	10000	10244.49	1.295	1.327	2.44	±30	Average RF
Pyrene	10000	10522.98	1.575	1.658	5.23	±30	Average RF

Client: Beazer East, Inc.
Project: Beazer Gainesville

Service Request: J1509207
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

Service Request: J1509207
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

Service Request: J1509207
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

Service Request: J1509207
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		0.1
2-Fluorobiphenyl	SURR	Average RF	% RSD	4.0		≤ 20	1.969		0.1
p-Terphenyl-d14	SURR	Average RF	% RSD	4.5		≤ 20	0.9269		0.1

Client: Beazer East, Inc.
Project: Beazer Gainesville

Service Request: J1509207
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	11204.12	1.541	1.727	12.04	±30	Average RF
2-Methylnaphthalene	10000	10636.05	1.718	1.827	6.36	±30	Average RF
Acenaphthene	10000	10804.76	1.548	1.673	8.05	±30	Average RF
Acenaphthylene	10000	11698.51	2.215	2.592	16.99	±30	Average RF
Anthracene	10000	10437.30	1.236	1.290	4.37	±30	Average RF
Benz(a)anthracene	10000	10404.50	1.323	1.376	4.05	±30	Average RF
Benzo(a)pyrene	10000	11363.22	1.251	1.422	13.63	±30	Average RF
Benzo(b)fluoranthene	10000	11174.20	1.370	1.531	11.74	±30	Average RF
Benzo(g,h,i)perylene	10000	11174.49	1.281	1.432	11.74	±30	Average RF
Benzo(k)fluoranthene	10000	11416.88	1.460	1.667	14.17	±30	Average RF
Chrysene	10000	10506.55	1.421	1.493	5.07	±30	Average RF
Dibenz(a,h)anthracene	10000	11489.03	1.241	1.426	14.89	±30	Average RF
Fluoranthene	10000	11443.20	1.262	1.444	14.43	±30	Average RF
Fluorene	10000	11299.28	1.690	1.910	12.99	±30	Average RF
Indeno(1,2,3-cd)pyrene	10000	11497.74	1.432	1.647	14.98	±30	Average RF
Naphthalene	10000	10638.71	1.369	1.457	6.39	±30	Average RF
Pentachlorophenol (PCP)	10000	10010.61	0.2027	0.2309	-3.32	±30	Quadratic
Phenanthrene	10000	10741.20	1.425	1.530	7.41	±30	Average RF
Pyrene	10000	11276.42	1.551	1.749	12.76	±30	Average RF

Evaluate Continuing Calibration Report

1st JSW 11/20/15
2nd 11/23/15

Data Path : I:\MS02\DATA\MS02-151119\
Data File : 1119-004.D
Acq On : 19 Nov 2015 21:38
Operator : JSW
Sample : CCV7
Misc : 8270C SIM
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 19 20:54:36 2015
Quant Method : I:\MS02\METHODS\MS02-150914SIM.M
Quant Title : PAH/PCP by GC/MS SIM
QLast Update : Fri Sep 18 08:18:28 2015
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20000.000	20000.000	0.0	74	-0.03
2	T	n-Decane	10000.000	8921.892	10.8	66	-0.03
3	T	2-Methylphenol	10000.000	10547.784	-5.5	70	-0.03
4	T	3- & 4-Methylphenol Coeluti	10000.000	10048.013	-0.5	74	-0.03
5	I	Naphthalene-d8	20000.000	20000.000	0.0	72	-0.03
6	T	Naphthalene	10000.000	9708.771	2.9	71	-0.03
7	I	Acenaphthene-d10	20000.000	20000.000	0.0	74	-0.03
8	T	2-Methylnaphthalene	10000.000	10176.347	-1.8	72	-0.03
9	T	1-Methylnaphthalene	10000.000	10173.357	-1.7	73	-0.03
10	T	2,4,6-Trichlorophenol	10000.000	11538.757	-15.4	85	-0.03
11	S	2-Fluorobiphenyl	10000.000	10377.741	-3.8	74	-0.03
12	T	Acenaphthylene	10000.000	9793.163	2.1	68	-0.03
13	T	Acenaphthene	10000.000	9985.333	0.1	73	-0.03
14	T	Fluorene	10000.000	10180.753	-1.8	72	-0.03
15	S	2,4,6-Tribromophenol	10000.000	11440.370	-14.4	85	-0.04
16	T	Pentachlorophenol	20000.000	25992.332	-30.0#	103	-0.04
17	I	Phenanthrene-d10	20000.000	20000.000	0.0	76	-0.03
18	T	n-Octadecane	10000.000	10122.337	-1.2	69	-0.03
19	T	Phenanthrene	10000.000	9750.233	2.5	76	-0.03
20	T	Anthracene	10000.000	10337.796	-3.4	73	-0.03
21	T	Carbazole	10000.000	10793.421	-7.9	78	-0.03
22	T	Fluoranthene	10000.000	10419.695	-4.2	78	-0.04
23	I	Chrysene-d12	20000.000	20000.000	0.0	80	-0.03
24	T	Pyrene	10000.000	10335.260	-3.4	79	-0.04
25	S	p-Terphenyl-d14	10000.000	10128.518	-1.3	77	-0.04
26	T	Benzo[a]anthracene	10000.000	9395.002	6.0	76	-0.03
27	T	Chrysene	10000.000	10113.426	-1.1	81	-0.03
28	T	Bis(2-ethylhexyl) Phthalate	50000.000	56982.608	-14.0	82	-0.03
29	I	Perylene-d12	20000.000	20000.000	0.0	80	-0.04
30	T	Benzo[b]fluoranthene	10000.000	10227.638	-2.3	76	-0.03
31	T	Benzo[k]fluoranthene	10000.000	10666.632	-6.7	83	-0.03
32	T	Benzo(a)pyrene	10000.000	10448.593	-4.5	78	-0.04
33	T	Indeno[1,2,3-cd]pyrene	10000.000	10307.001	-3.1	79	-0.06
34	T	Dibenz[a,h]anthracene	10000.000	10403.916	-4.0	79	-0.06
35	T	Benzo[g,h,i]perylene	10000.000	10283.341	-2.8	80	-0.06

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Client: Beazer East, Inc.
Project: Beazer Gainesville

Service Request: J1509207
Date Analyzed: 11/20/15

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

Analytical Method: 8270D SIM

File ID: I:\MS02\DATA\MS02-151120\1120-004.D\

Calibration Date: 9/14/15
Calibration ID: JC1500048
Analysis Lot: 473367
Units: µg/L

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
1-Methylnaphthalene	10000	10100	1.361	1.370	0.6	NA	± 20 %	Average RF
2-Methylnaphthalene	10000	10000	1.520	1.524	0.3	NA	± 20 %	Average RF
Acenaphthene	10000	9940	1.350	1.342	-0.6	NA	± 20 %	Average RF
Acenaphthylene	10000	9760	2.037	1.988	-2.4	NA	± 20 %	Average RF
Anthracene	10000	10300	1.121	1.152	2.8	NA	± 20 %	Average RF
Benz(a)anthracene	10000	9300	NA	NA	NA	-7.0	± 20 %	Linear
Benzo(a)pyrene	10000	10500	1.229	1.288	4.9	NA	± 20 %	Average RF
Benzo(b)fluoranthene	10000	10100	1.284	1.299	1.2	NA	± 20 %	Average RF
Benzo(g,h,i)perylene	10000	9940	1.250	1.242	-0.6	NA	± 20 %	Average RF
Benzo(k)fluoranthene	10000	10900	1.410	1.533	8.8	NA	± 20 %	Average RF
Chrysene	10000	10000	1.397	1.400	0.3	NA	± 20 %	Average RF
Dibenz(a,h)anthracene	10000	10100	1.173	1.185	1.1	NA	± 20 %	Average RF
Fluoranthene	10000	10000	1.165	1.167	0.2	NA	± 20 %	Average RF
Fluorene	10000	10100	1.494	1.508	0.9	NA	± 20 %	Average RF
Indeno(1,2,3-cd)pyrene	10000	10000	1.418	1.421	0.2	NA	± 20 %	Average RF
Naphthalene	10000	9660	1.174	1.135	-3.4	NA	± 20 %	Average RF
Pentachlorophenol (PCP)	20000	25200	NA	NA	NA	25.9 *	± 20 %	Quadratic
Phenanthrene	10000	9660	1.295	1.252	-3.4	NA	± 20 %	Average RF
Pyrene	10000	10300	1.575	1.618	2.7	NA	± 20 %	Average RF
2,4,6-Tribromophenol	10000	11300	NA	NA	NA	12.9	± 20 %	Quadratic
2-Fluorobiphenyl	10000	10200	1.677	1.714	2.2	NA	± 20 %	Average RF
p-Terphenyl-d14	10000	10000	0.8016	0.8054	0.5	NA	± 20 %	Average RF

Evaluate Continuing Calibration Report

1st JSW 12/06/15
2nd 12/07/15

Data Path : I:\MS02\DATA\MS02-151204\
Data File : 1204-004.D
Acq On : 5 Dec 2015 1:21
Operator : JSW
Sample : CCV7
Misc : 8270C SIM
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 06 17:09:10 2015
Quant Method : I:\MS02\METHODS\MS02-151203SIM.M
Quant Title : PAH/PCP by GC/MS SIM
QLast Update : Thu Dec 03 16:22:04 2015
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20000.000	20000.000	0.0	79	0.00
2	T	n-Decane	10000.000	8143.696	18.6	64	0.00
3	T	2-Methylphenol	10000.000	9150.127	8.5	67	0.00
4	T	3- & 4-Methylphenol Coeluti	10000.000	9386.818	6.1	69	0.00
5	I	Naphthalene-d8	20000.000	20000.000	0.0	76	0.00
6	T	Naphthalene	10000.000	8772.112	12.3	67	0.00
7	I	Acenaphthene-d10	20000.000	20000.000	0.0	74	0.00
8	T	2-Methylnaphthalene	10000.000	9309.530	6.9	67	0.00
9	T	1-Methylnaphthalene	10000.000	9184.818	8.2	66	0.00
10	T	2,4,6-Trichlorophenol	10000.000	10151.302	-1.5	69	0.00
11	S	2-Fluorobiphenyl	10000.000	9031.778	9.7	66	0.00
12	T	Acenaphthylene	10000.000	10056.897	-0.6	69	0.00
13	T	Acenaphthene	10000.000	8982.371	10.2	66	0.00
14	T	Fluorene	10000.000	9418.751	5.8	67	0.00
15	S	2,4,6-Tribromophenol	10000.000	10806.442	-8.1	73	0.00
16	T	Pentachlorophenol	20000.000	19332.161	3.3	68	0.00
17	I	Phenanthrene-d10	20000.000	20000.000	0.0	74	0.00
18	T	n-Octadecane	10000.000	9670.621	3.3	64	0.00
19	T	Phenanthrene	10000.000	8855.289	11.4	67	0.00
20	T	Anthracene	10000.000	9836.838	1.6	67	0.00
21	T	Carbazole	10000.000	9891.350	1.1	66	0.00
22	T	Fluoranthene	10000.000	9543.272	4.6	67	0.00
23	I	Chrysene-d12	20000.000	20000.000	0.0	71	0.00
24	T	Pyrene	10000.000	9721.883	2.8	66	0.00
25	S	p-Terphenyl-d14	10000.000	8955.341	10.4	63	0.00
26	T	Benzo[a]anthracene	10000.000	8926.032	10.7	64	0.00
27	T	Chrysene	10000.000	8735.372	12.6	63	0.00
28	T	Bis(2-ethylhexyl) Phthalate	50000.000	49053.629	1.9	72	0.00
29	I	Perylene-d12	20000.000	20000.000	0.0	73	0.00
30	T	Benzo[b]fluoranthene	10000.000	9476.486	5.2	63	0.00
31	T	Benzo[k]fluoranthene	10000.000	8833.722	11.7	63	0.00
32	T	Benzo(a)pyrene	10000.000	9710.992	2.9	64	0.00
33	T	Indeno[1,2,3-cd]pyrene	10000.000	9687.135	3.1	65	0.00
34	T	Dibenz[a,h]anthracene	10000.000	9570.962	4.3	65	0.00
35	T	Benzo[g,h,i]perylene	10000.000	9321.227	6.8	65	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Client: Beazer East, Inc.
Project: Beazer Gainesville

Service Request: J1509207
Date Analyzed: 12/ 5/15

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

Analytical Method: 8270D SIM

File ID: I:\MS02\DATA\MS02-151204\1204-024.D\

Calibration Date: 12/3/15
Calibration ID: JC1500054
Analysis Lot: 475076
Units: µg/L

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
1-Methylnaphthalene	10000	9120	1.541	1.406	-8.8	NA	± 20 %	Average RF
2-Methylnaphthalene	10000	9210	1.718	1.582	-7.9	NA	± 20 %	Average RF
Acenaphthene	10000	8930	1.548	1.382	-10.7	NA	± 20 %	Average RF
Acenaphthylene	10000	9930	2.215	2.199	-0.7	NA	± 20 %	Average RF
Anthracene	10000	9710	1.236	1.200	-2.9	NA	± 20 %	Average RF
Benz(a)anthracene	10000	8770	1.323	1.160	-12.3	NA	± 20 %	Average RF
Benzo(a)pyrene	10000	9650	1.251	1.208	-3.5	NA	± 20 %	Average RF
Benzo(b)fluoranthene	10000	9770	1.370	1.338	-2.3	NA	± 20 %	Average RF
Benzo(g,h,i)perylene	10000	9320	1.281	1.193	-6.8	NA	± 20 %	Average RF
Benzo(k)fluoranthene	10000	8580	1.460	1.253	-14.2	NA	± 20 %	Average RF
Chrysene	10000	8690	1.421	1.235	-13.1	NA	± 20 %	Average RF
Dibenz(a,h)anthracene	10000	9510	1.241	1.181	-4.9	NA	± 20 %	Average RF
Fluoranthene	10000	9410	1.262	1.188	-5.9	NA	± 20 %	Average RF
Fluorene	10000	9350	1.690	1.581	-6.5	NA	± 20 %	Average RF
Indeno(1,2,3-cd)pyrene	10000	9640	1.432	1.381	-3.6	NA	± 20 %	Average RF
Naphthalene	10000	8750	1.369	1.198	-12.5	NA	± 20 %	Average RF
Pentachlorophenol (PCP)	20000	21100	NA	NA	NA	5.3	± 20 %	Quadratic
Phenanthrene	10000	8680	1.425	1.236	-13.2	NA	± 20 %	Average RF
Pyrene	10000	9620	1.551	1.491	-3.8	NA	± 20 %	Average RF
2,4,6-Tribromophenol	10000	10900	0.1859	0.2019	8.6	NA	± 20 %	Average RF
2-Fluorobiphenyl	10000	9000	1.969	1.772	-10.0	NA	± 20 %	Average RF
p-Terphenyl-d14	10000	8940	0.9269	0.8291	-10.6	NA	± 20 %	Average RF

Client: Beazer East, Inc.
Project: Beazer Gainesville

Service Request: J1509207
Date Analyzed: 12/ 5/15

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

Analytical Method: 8270D SIM

File ID: I:\MS02\DATA\MS02-151204\1204-047.D\

Calibration Date: 12/3/15
Calibration ID: JC1500054
Analysis Lot: 475077
Units: µg/L

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
1-Methylnaphthalene	10000	9120	1.541	1.406	-8.8	NA	± 20 %	Average RF
2-Methylnaphthalene	10000	9210	1.718	1.583	-7.9	NA	± 20 %	Average RF
Acenaphthene	10000	8900	1.548	1.378	-11.0	NA	± 20 %	Average RF
Acenaphthylene	10000	10000	2.215	2.215	0.0	NA	± 20 %	Average RF
Anthracene	10000	9820	1.236	1.214	-1.8	NA	± 20 %	Average RF
Benz(a)anthracene	10000	8890	1.323	1.176	-11.1	NA	± 20 %	Average RF
Benzo(a)pyrene	10000	9670	1.251	1.209	-3.3	NA	± 20 %	Average RF
Benzo(b)fluoranthene	10000	9100	1.370	1.248	-9.0	NA	± 20 %	Average RF
Benzo(g,h,i)perylene	10000	9400	1.281	1.204	-6.0	NA	± 20 %	Average RF
Benzo(k)fluoranthene	10000	9090	1.460	1.328	-9.1	NA	± 20 %	Average RF
Chrysene	10000	8670	1.421	1.232	-13.3	NA	± 20 %	Average RF
Dibenz(a,h)anthracene	10000	9570	1.241	1.188	-4.3	NA	± 20 %	Average RF
Fluoranthene	10000	9420	1.262	1.189	-5.8	NA	± 20 %	Average RF
Fluorene	10000	9390	1.690	1.587	-6.1	NA	± 20 %	Average RF
Indeno(1,2,3-cd)pyrene	10000	9770	1.432	1.399	-2.3	NA	± 20 %	Average RF
Naphthalene	10000	8720	1.369	1.194	-12.8	NA	± 20 %	Average RF
Pentachlorophenol (PCP)	20000	19900	NA	NA	NA	-0.6	± 20 %	Quadratic
Phenanthrene	10000	8840	1.425	1.259	-11.6	NA	± 20 %	Average RF
Pyrene	10000	9660	1.551	1.499	-3.4	NA	± 20 %	Average RF
2,4,6-Tribromophenol	10000	10500	0.1859	0.1951	5.0	NA	± 20 %	Average RF
2-Fluorobiphenyl	10000	9000	1.969	1.773	-10.0	NA	± 20 %	Average RF
p-Terphenyl-d14	10000	8980	0.9269	0.8326	-10.2	NA	± 20 %	Average RF

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: Beazer East, Inc. **Service Request:** J1509207
Project: Beazer Gainesville

Analysis Run Log
Semivolatile Organic Compounds by GC/MS SIM

Analytical Method: 8270D SIM **Analysis Lot:** 473315
Instrument ID: J-MS-02

Raw Data File	Sample Name	Lab Code	Date Analyzed	Time Analyzed	Q
1119-009.D\	ZZZZZZZ	ZZZZZZZ	11/~~19~~20/15	00:07	
1119-010.D\	ZZZZZZZ	ZZZZZZZ	11/19/15	00:34	
1119-011.D\	Method Blank	JQ1509033-01	11/19/15	01:01	
1119-003.D	~~ZZZZZZZ~~ Tune (Ion Ratios)	ZZZZZZZ	11/19/15	21:16	
1119-004.D\	~~ZZZZZZZ~~ Continuing Calibration Verification	ZZZZZZZ	11/19/15	21:38	
1119-005.D\	ZZZZZZZ	ZZZZZZZ	11/19/15	22:17	
1119-006.D\	ZZZZZZZ	ZZZZZZZ	11/19/15	22:44	
1119-007.D\	ZZZZZZZ	ZZZZZZZ	11/19/15	23:12	
1119-008.D\	ZZZZZZZ	ZZZZZZZ	11/19/15	23:39	
1119-012.D\	Lab Control Sample	JQ1509033-02	11/20/15	01:29	
1119-013.D\	ZZZZZZZ	ZZZZZZZ	11/20/15	01:56	
1119-014.D\	ZZZZZZZ	ZZZZZZZ	11/20/15	02:24	
1119-015.D\	ZZZZZZZ	ZZZZZZZ	11/20/15	02:51	
1119-016.D\	ZZZZZZZ	ZZZZZZZ	11/20/15	03:19	
1119-017.D\	ZZZZZZZ	ZZZZZZZ	11/20/15	03:46	
1119-018.D\	ZZZZZZZ	ZZZZZZZ	11/20/15	04:14	
1119-019.D\	ZZZZZZZ	ZZZZZZZ	11/20/15	04:41	
1119-020.D\	ZZZZZZZ	ZZZZZZZ	11/20/15	05:09	

Results flagged with an asterisk (*) indicate the holding time was exceeded for the analysis

Client: Beazer East, Inc. **Service Request:** J1509207
Project: Beazer Gainesville

Analysis Run Log
Semivolatile Organic Compounds by GC/MS SIM

Analytical Method: 8270D SIM **Analysis Lot:** 473367
Instrument ID: J-MS-02

Raw Data File	Sample Name	Lab Code	Date Analyzed	Time Analyzed	Q
1120-003.D\	Tune (Ion Ratios)	JQ1509120-04	11/20/15	18:17	
1120-004.D\	Continuing Calibration Verification	JQ1509120-05	11/20/15	18:38	
1120-005.D\	ZZZZZZZ	ZZZZZZZ	11/20/15	19:06	
1120-006.D\	ZZZZZZZ	ZZZZZZZ	11/20/15	19:33	
1120-007.D\	ZZZZZZZ	ZZZZZZZ	11/20/15	20:01	
1120-008.D\	ZZZZZZZ	ZZZZZZZ	11/20/15	20:28	
1120-009.D\	ZZZZZZZ	ZZZZZZZ	11/20/15	20:56	
1120-010.D\	ZZZZZZZ	ZZZZZZZ	11/20/15	21:24	
1120-011.D\	ZZZZZZZ	ZZZZZZZ	11/20/15	21:52	
1120-012.D\	ZZZZZZZ	ZZZZZZZ	11/20/15	22:19	
1120-013.D\	ZZZZZZZ	ZZZZZZZ	11/20/15	22:47	
1120-014.D\	ZZZZZZZ	ZZZZZZZ	11/20/15	23:15	
1120-015.D\	ZZZZZZZ	ZZZZZZZ	11/20/15	23:42	
1120-016.D\	ZZZZZZZ	ZZZZZZZ	11/21/15	00:10	
1120-017.D\	ZZZZZZZ	ZZZZZZZ	11/21/15	00:38	
1120-018.D\	ZZZZZZZ	ZZZZZZZ	11/21/15	01:06	
1120-019.D\	ZZZZZZZ	ZZZZZZZ	11/21/15	01:33	
1120-020.D\	ZZZZZZZ	ZZZZZZZ	11/21/15	02:01	
1120-021.D\	ZZZZZZZ	ZZZZZZZ	11/21/15	02:29	
1120-022.D\	ZZZZZZZ	ZZZZZZZ	11/21/15	02:57	
1120-023.D\	SOPILE 3-3	J1509207-005	11/21/15	03:24	
1120-024.D\	SOPILE 3-3MS	JQ1509033-03	11/21/15	03:52	
1120-025.D\	SOPILE 3-3DMS	JQ1509033-04	11/21/15	04:20	
1120-026.D\	ZZZZZZZ	ZZZZZZZ	11/21/15	04:48	
1120-027.D\	SOPILE 3-2	J1509207-002	11/21/15	05:16	

Results flagged with an asterisk (*) indicate the holding time was exceeded for the analysis

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: Beazer East, Inc. **Service Request:** J1509207
Project: Beazer Gainesville

Analysis Run Log
Semivolatile Organic Compounds by GC/MS SIM

Analytical Method: 8270D SIM **Analysis Lot:** 475075
Instrument ID: J-MS-02

Raw Data File	Sample Name	Lab Code	Date Analyzed	Time Analyzed	Q
1204-003.D\	~~ZZZZZZZ~~ Tune (Ion Ratios)	ZZZZZZZ	12/5/15	01:00	
1204-004.D\	~~ZZZZZZZ~~ Continuing Calibration Verification	ZZZZZZZ	12/5/15	01:21	
1204-005.D\	ZZZZZZZ	ZZZZZZZ	12/5/15	01:48	
1204-006.D\	ZZZZZZZ	ZZZZZZZ	12/5/15	02:16	
1204-007.D\	ZZZZZZZ	ZZZZZZZ	12/5/15	02:43	
1204-008.D\	Method Blank	JQ1509458-01	12/5/15	03:11	
1204-009.D\	Lab Control Sample	JQ1509458-02	12/5/15	03:39	
1204-010.D\	ZZZZZZZ	ZZZZZZZ	12/5/15	04:06	
1204-011.D\	ZZZZZZZ	ZZZZZZZ	12/5/15	04:34	
1204-012.D\	ZZZZZZZ	ZZZZZZZ	12/5/15	05:01	
1204-013.D\	ZZZZZZZ	ZZZZZZZ	12/5/15	05:29	
1204-014.D\	ZZZZZZZ	ZZZZZZZ	12/5/15	05:56	
1204-015.D\	ZZZZZZZ	ZZZZZZZ	12/5/15	06:24	
1204-016.D\	ZZZZZZZ	ZZZZZZZ	12/5/15	06:51	
1204-017.D\	ZZZZZZZ	ZZZZZZZ	12/5/15	07:19	
1204-018.D\	ZZZZZZZ	ZZZZZZZ	12/5/15	07:46	
1204-019.D\	ZZZZZZZ	ZZZZZZZ	12/5/15	08:13	
1204-020.D\	ZZZZZZZ	ZZZZZZZ	12/5/15	08:41	
1204-021.D\	ZZZZZZZ	ZZZZZZZ	12/5/15	09:08	

Results flagged with an asterisk (*) indicate the holding time was exceeded for the analysis

Client: Beazer East, Inc. **Service Request:** J1509207
Project: Beazer Gainesville

Analysis Run Log
Semivolatile Organic Compounds by GC/MS SIM

Analytical Method: 8270D SIM **Analysis Lot:** 475076
Instrument ID: J-MS-02

Raw Data File	Sample Name	Lab Code	Date Analyzed	Time Analyzed	Q
1204-023.D\	Tune (Ion Ratios)	JQ1510157-01	12/5/15	09:55	
1204-024.D\	Continuing Calibration Verification	JQ1510157-02	12/5/15	10:16	
1204-025.D\	ZZZZZZZ	ZZZZZZZ	12/5/15	10:44	
1204-026.D\	ZZZZZZZ	ZZZZZZZ	12/5/15	11:11	
1204-027.D\	ZZZZZZZ	ZZZZZZZ	12/5/15	11:39	
1204-028.D\	ZZZZZZZ	ZZZZZZZ	12/5/15	12:06	
1204-029.D\	ZZZZZZZ	ZZZZZZZ	12/5/15	12:34	
1204-030.D\	ZZZZZZZ	ZZZZZZZ	12/5/15	13:01	
1204-031.D\	ZZZZZZZ	ZZZZZZZ	12/5/15	13:29	
1204-032.D\	ZZZZZZZ	ZZZZZZZ	12/5/15	13:57	
1204-033.D\	ZZZZZZZ	ZZZZZZZ	12/5/15	14:24	
1204-034.D\	ZZZZZZZ	ZZZZZZZ	12/5/15	14:52	
1204-035.D\	ZZZZZZZ	ZZZZZZZ	12/5/15	15:19	
1204-036.D\	ZZZZZZZ	ZZZZZZZ	12/5/15	15:47	
1204-037.D\	ZZZZZZZ	ZZZZZZZ	12/5/15	16:15	
1204-038.D\	ZZZZZZZ	ZZZZZZZ	12/5/15	16:42	
1204-039.D\	ZZZZZZZ	ZZZZZZZ	12/5/15	17:10	
1204-040.D\	ZZZZZZZ	ZZZZZZZ	12/5/15	17:38	
1204-041.D\	ZZZZZZZ	ZZZZZZZ	12/5/15	18:06	
1204-042.D\	ZZZZZZZ	ZZZZZZZ	12/5/15	18:33	
1204-043.D\	ZZZZZZZ	ZZZZZZZ	12/5/15	19:01	
1204-044.D\	SOPILE 3-2A	J1509207-001	12/5/15	19:28	

Results flagged with an asterisk (*) indicate the holding time was exceeded for the analysis

Client: Beazer East, Inc. **Service Request:** J1509207
Project: Beazer Gainesville

Analysis Run Log
Semivolatile Organic Compounds by GC/MS SIM

Analytical Method: 8270D SIM **Analysis Lot:** 475077
Instrument ID: J-MS-02

Raw Data File	Sample Name	Lab Code	Date Analyzed	Time Analyzed	Q
1204-046.D\	Tune (Ion Ratios)	JQ1510158-01	12/5/15	20:15	
1204-047.D\	Continuing Calibration Verification	JQ1510158-02	12/5/15	20:36	
1204-048.D\	ZZZZZZZ	ZZZZZZZ	12/5/15	21:04	
1204-049.D\	ZZZZZZZ	ZZZZZZZ	12/5/15	21:31	
1204-050.D\	ZZZZZZZ	ZZZZZZZ	12/5/15	21:59	
1204-051.D\	ZZZZZZZ	ZZZZZZZ	12/5/15	22:26	
1204-052.D\	ZZZZZZZ	ZZZZZZZ	12/5/15	22:54	
1204-053.D\	SOPILE 3-3B	J1509207-003	12/5/15	23:21	
1204-054.D\	SOPILE 3-3C	J1509207-004	12/5/15	23:49	
1204-055.D\	ZZZZZZZ	ZZZZZZZ	12/6/15	00:16	
1204-056.D\	ZZZZZZZ	ZZZZZZZ	12/6/15	00:44	
1204-057.D\	ZZZZZZZ	ZZZZZZZ	12/6/15	01:11	

Results flagged with an asterisk (*) indicate the holding time was exceeded for the analysis

Client: Beazer East, Inc.
Project: Beazer Gainesville
Sample Matrix: Soil

Service Request: J1509207

Semivolatile Organic Compounds by GC/MS SIM

Prep Method: EPA 3546
Analytical Method: 8270D SIM

Extraction Lot: 250349

Sample Name	Lab Code	Date Collected	Date Received	Sample Amount	Final Amount	Percent Solids
SOPILE 3-2	J1509207-002	11/17/15	11/18/15	28.3000 g	10 mL	92
SOPILE 3-3	J1509207-005	11/17/15	11/18/15	28.3800 g	1 mL	92
Method Blank	JQ1509033-01			30 g	1 mL	
Lab Control Sample	JQ1509033-02			30 g	1 mL	
SOPILE 3-3MS	JQ1509033-03	11/17/15	11/18/15	29.0000 g	1 mL	92
SOPILE 3-3DMS	JQ1509033-04	11/17/15	11/18/15	28.1200 g	1 mL	92

Client: Beazer East, Inc.
Project: Beazer Gainesville
Sample Matrix: Soil

Service Request: J1509207

Semivolatile Organic Compounds by GC/MS SIM

Prep Method: EPA 3546
Analytical Method: 8270D SIM

Extraction Lot: 251337

Sample Name	Lab Code	Date Collected	Date Received	Sample Amount	Final Amount	Percent Solids
SOPILE 3-2A	J1509207-001	11/17/15	11/18/15	28.5400 g	1 mL	
SOPILE 3-3B	J1509207-003	11/17/15	11/18/15	14.5000 g	1 mL	84
SOPILE 3-3C	J1509207-004	11/17/15	11/18/15	29.3800 g	1 mL	
Method Blank	JQ1509458-01			30 g	1 mL	
Lab Control Sample	JQ1509458-02			30.0000 g	1 mL	

Organics Analysis:
Organochlorine Pesticides by Gas Chromatography
Summary Package

Sample and QC Results

Client: Beazer East, Inc.
Project: Beazer Gainesville

Service Request: J1509207

Organochlorine Pesticides by Gas Chromatography

Sample Name	Lab Code	Date Collected	Date Received
SOPILE 3-2	J1509207-002	11/17/2015	11/18/2015
SOPILE 3-3	J1509207-005	11/17/2015	11/18/2015

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 K

Name: Mike Kimmer

Date: 01/14/16

Title: Lab Director

Client: Beazer East, Inc.
Project: Beazer Gainesville
Sample Matrix: Soil

Service Request: J1509207
Date Collected: 11/17/15 1022
Date Received: 11/18/15

Sample Name: SOPILE 3-2
Lab Code: J1509207-002

Units: µg/Kg
Basis: Dry
Percent Solids: 92

Organochlorine Pesticides by Gas Chromatography

Analytical Method: 8081A
Prep Method: EPA 3541

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
4,4'-DDD	4.20	U	10.6	4.20	1	11/19/15	11/20/15 05:20	250344	473310	
4,4'-DDE	**4.88**	I	10.6	4.63	1	11/19/15	11/20/15 05:20	250344	473310	
4,4'-DDT	6.97	U	10.6	6.97	1	11/19/15	11/20/15 05:20	250344	473310	
Aldrin	4.64	U	10.6	4.64	1	11/19/15	11/20/15 05:20	250344	473310	
alpha-BHC	3.24	U	10.6	3.24	1	11/19/15	11/20/15 05:20	250344	473310	
alpha-Chlordane	3.44	U	10.6	3.44	1	11/19/15	11/20/15 05:20	250344	473310	
beta-BHC	3.41	U	10.6	3.41	1	11/19/15	11/20/15 05:20	250344	473310	
Chlordane	66.6	U	211	66.6	1	11/19/15	11/20/15 05:20	250344	473310	
delta-BHC	3.41	U	10.6	3.41	1	11/19/15	11/20/15 05:20	250344	473310	
Dieldrin	5.56	U	10.6	5.56	1	11/19/15	11/20/15 05:20	250344	473310	
Endosulfan I	4.58	U	10.6	4.58	1	11/19/15	11/20/15 05:20	250344	473310	
Endosulfan II	6.50	U	10.6	6.50	1	11/19/15	11/20/15 05:20	250344	473310	
Endosulfan Sulfate	6.20	U	10.6	6.20	1	11/19/15	11/20/15 05:20	250344	473310	
Endrin	7.72	U	10.6	7.72	1	11/19/15	11/20/15 05:20	250344	473310	
Endrin Aldehyde	6.20	U	10.6	6.20	1	11/19/15	11/20/15 05:20	250344	473310	
Endrin Ketone	4.99	U	10.6	4.99	1	11/19/15	11/20/15 05:20	250344	473310	
gamma-BHC (Lindane)	6.66	U	10.6	6.66	1	11/19/15	11/20/15 05:20	250344	473310	
gamma-Chlordane	3.41	U	10.6	3.41	1	11/19/15	11/20/15 05:20	250344	473310	
Heptachlor	6.66	U	10.6	6.66	1	11/19/15	11/20/15 05:20	250344	473310	
Heptachlor Epoxide	5.31	U	10.6	5.31	1	11/19/15	11/20/15 05:20	250344	473310	
Methoxychlor	4.51	U	21.1	4.51	1	11/19/15	11/20/15 05:20	250344	473310	
Toxaphene	79.8	U	211	79.8	1	11/19/15	11/20/15 05:20	250344	473310	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	62	32-170	11/20/15 05:20	
Tetrachloro-m-xylene	87	10-147	11/20/15 05:20	

Client: Beazer East, Inc.
Project: Beazer Gainesville
Sample Matrix: Soil

Sample Name: SOPILE 3-3
Lab Code: J1509207-005

Service Request: J1509207
Date Collected: 11/17/15 1354
Date Received: 11/18/15

Units: µg/Kg
Basis: Dry
Percent Solids: 92

Organochlorine Pesticides by Gas Chromatography

Analytical Method: 8081A
Prep Method: EPA 3541

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
4,4'-DDD	4.02	U	10.1	4.02	1	11/19/15	11/20/15 06:10	250344	473310	
4,4'-DDE	4.44	U	10.1	4.44	1	11/19/15	11/20/15 06:10	250344	473310	
4,4'-DDT	6.68	U	10.1	6.68	1	11/19/15	11/20/15 06:10	250344	473310	
Aldrin	4.45	U	10.1	4.45	1	11/19/15	11/20/15 06:10	250344	473310	
alpha-BHC	3.11	U	10.1	3.11	1	11/19/15	11/20/15 06:10	250344	473310	
alpha-Chlordane	**9.26**	I	10.1	3.30	1	11/19/15	11/20/15 06:10	250344	473310	
beta-BHC	3.27	U	10.1	3.27	1	11/19/15	11/20/15 06:10	250344	473310	
Chlordane	**70.6**	I	203	63.9	1	11/19/15	11/20/15 06:10	250344	473310	
delta-BHC	3.27	U	10.1	3.27	1	11/19/15	11/20/15 06:10	250344	473310	
Dieldrin	5.33	U	10.1	5.33	1	11/19/15	11/20/15 06:10	250344	473310	
Endosulfan I	4.39	U	10.1	4.39	1	11/19/15	11/20/15 06:10	250344	473310	
Endosulfan II	6.23	U	10.1	6.23	1	11/19/15	11/20/15 06:10	250344	473310	
Endosulfan Sulfate	5.94	U	10.1	5.94	1	11/19/15	11/20/15 06:10	250344	473310	
Endrin	7.40	U	10.1	7.40	1	11/19/15	11/20/15 06:10	250344	473310	
Endrin Aldehyde	5.95	U	10.1	5.95	1	11/19/15	11/20/15 06:10	250344	473310	
Endrin Ketone	4.79	U	10.1	4.79	1	11/19/15	11/20/15 06:10	250344	473310	
gamma-BHC (Lindane)	6.39	U	10.1	6.39	1	11/19/15	11/20/15 06:10	250344	473310	
gamma-Chlordane	**12.5**		10.1	3.27	1	11/19/15	11/20/15 06:10	250344	473310	
Heptachlor	6.39	U	10.1	6.39	1	11/19/15	11/20/15 06:10	250344	473310	
Heptachlor Epoxide	5.09	U	10.1	5.09	1	11/19/15	11/20/15 06:10	250344	473310	
Methoxychlor	4.32	U	20.3	4.32	1	11/19/15	11/20/15 06:10	250344	473310	
Toxaphene	76.6	U	203	76.6	1	11/19/15	11/20/15 06:10	250344	473310	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	49	32-170	11/20/15 06:10	
Tetrachloro-m-xylene	92	10-147	11/20/15 06:10	

Client:	Beazer East, Inc.	**Service Request:**	J1509207
Project:	Beazer Gainesville	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	µg/Kg
Lab Code:	JQ1509031-01	**Basis:**	Dry

Organochlorine Pesticides by Gas Chromatography

Analytical Method: 8081A
Prep Method: EPA 3550B

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
4,4'-DDD	3.37	U	8.50	3.37	1	11/19/15	11/20/15 02:51	250344	473310	
4,4'-DDE	3.72	U	8.50	3.72	1	11/19/15	11/20/15 02:51	250344	473310	
4,4'-DDT	5.61	U	8.50	5.61	1	11/19/15	11/20/15 02:51	250344	473310	
Aldrin	3.73	U	8.50	3.73	1	11/19/15	11/20/15 02:51	250344	473310	
alpha-BHC	2.60	U	8.50	2.60	1	11/19/15	11/20/15 02:51	250344	473310	
alpha-Chlordane	2.77	U	8.50	2.77	1	11/19/15	11/20/15 02:51	250344	473310	
beta-BHC	2.74	U	8.50	2.74	1	11/19/15	11/20/15 02:51	250344	473310	
Chlordane	53.5	U	170	53.5	1	11/19/15	11/20/15 02:51	250344	473310	
delta-BHC	2.74	U	8.50	2.74	1	11/19/15	11/20/15 02:51	250344	473310	
Dieldrin	4.47	U	8.50	4.47	1	11/19/15	11/20/15 02:51	250344	473310	
Endosulfan I	3.68	U	8.50	3.68	1	11/19/15	11/20/15 02:51	250344	473310	
Endosulfan II	5.23	U	8.50	5.23	1	11/19/15	11/20/15 02:51	250344	473310	
Endosulfan Sulfate	4.98	U	8.50	4.98	1	11/19/15	11/20/15 02:51	250344	473310	
Endrin	6.20	U	8.50	6.20	1	11/19/15	11/20/15 02:51	250344	473310	
Endrin Aldehyde	4.99	U	8.50	4.99	1	11/19/15	11/20/15 02:51	250344	473310	
Endrin Ketone	4.01	U	8.50	4.01	1	11/19/15	11/20/15 02:51	250344	473310	
gamma-BHC (Lindane)	5.36	U	8.50	5.36	1	11/19/15	11/20/15 02:51	250344	473310	
gamma-Chlordane	2.74	U	8.50	2.74	1	11/19/15	11/20/15 02:51	250344	473310	
Heptachlor	5.36	U	8.50	5.36	1	11/19/15	11/20/15 02:51	250344	473310	
Heptachlor Epoxide	4.27	U	8.50	4.27	1	11/19/15	11/20/15 02:51	250344	473310	
Methoxychlor	3.62	U	17.0	3.62	1	11/19/15	11/20/15 02:51	250344	473310	
Toxaphene	64.2	U	170	64.2	1	11/19/15	11/20/15 02:51	250344	473310	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	85	32-170	11/20/15 02:51	
Tetrachloro-m-xylene	102	10-147	11/20/15 02:51	

Client: Beazer East, Inc.
Project: Beazer Gainesville
Sample Matrix: Soil

Service Request: J1509207

Surrogate Recovery Summary
Organochlorine Pesticides by Gas Chromatography

Analytical Method: 8081A
Prep Method: EPA 3541

Units: Percent

Sample Name	Lab Code	Sur1	Sur2
SOPILE 3-2	J1509207-002	62	87
SOPILE 3-3	J1509207-005	49	92

Surrogate Recovery Control Limits (%)

Sur1	=	Decachlorobiphenyl	32 - 170
Sur2	=	Tetrachloro-m-xylene	10 - 147

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
Sample Matrix: Soil

Service Request: J1509207
Date Collected: 11/17/15
Date Received: 11/18/15
Date Analyzed: 11/20/15

Matrix Spike Summary
Organochlorine Pesticides by Gas Chromatography

Sample Name: SOPILE 3-2
Lab Code: J1509207-002

Units: µg/Kg
Basis: Dry

Analytical Method: 8081A
Prep Method: EPA 3550B

		SOPILE 3-2MS Matrix Spike JQ1509031-03			SOPILE 3-2DMS Duplicate Matrix Spike JQ1509031-04					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
4,4'-DDD	ND	27.5	39.3	70	27.2	37.7	72	28 - 120	1	30
4,4'-DDE	4.88	33.6	39.3	73	32.5	37.7	73	47 - 116	3	30
4,4'-DDT	ND	32.5	39.3	83	28.9	37.7	77	39 - 135	12	30
Aldrin	ND	30.8	39.3	78	29.6	37.7	79	43 - 110	4	30
alpha-BHC	ND	33.2	39.3	84	31.8	37.7	84	42 - 103	4	30
alpha-Chlordane	ND	29.9	39.3	76	28.3	37.7	75	45 - 114	5	30
beta-BHC	ND	30.6	39.3	78	28.4	37.7	75	43 - 117	8	30
delta-BHC	ND	32.2	39.3	82	29.4	37.7	78	46 - 113	9	30
Dieldrin	ND	31.0	39.3	79	29.6	37.7	79	41 - 118	5	30
Endosulfan I	ND	28.8	39.3	73	27.9	37.7	74	45 - 116	3	30
Endosulfan II	ND	29.5	39.3	75	27.2	37.7	72	43 - 120	8	30
Endosulfan Sulfate	ND	28.6	39.3	73	25.2	37.7	67	48 - 115	13	30
Endrin	ND	30.3	39.3	77	28.2	37.7	75	49 - 111	7	30
Endrin Aldehyde	ND	24.8	39.3	63	22.3	37.7	59	29 - 122	11	30
Endrin Ketone	ND	25.5	39.3	65	22.5	37.7	60	44 - 122	13	30
gamma-BHC (Lindane)	ND	32.1	39.3	82	30.4	37.7	81	40 - 106	5	30
gamma-Chlordane	ND	33.9	39.3	86	32.7	37.7	87	46 - 114	3	30
Heptachlor	ND	31.2	39.3	79	28.9	37.7	77	39 - 115	8	30
Heptachlor Epoxide	ND	30.0	39.3	76	28.4	37.7	75	41 - 117	6	30
Methoxychlor	ND	40.7	39.3	103	27.3	37.7	72	32 - 133	39 *	30

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

Results flagged with a pound (#) indicate the control criteria is not applicable.

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

Client: Beazer East, Inc.
Project: Beazer Gainesville
Sample Matrix: Soil

Service Request: J1509207
Date Analyzed: 11/20/15

Lab Control Sample Summary
Organochlorine Pesticides by Gas Chromatography

Analytical Method: 8081A
Prep Method: EPA 3550B

Units: µg/Kg
Basis: Dry

Extraction Lot: 250344

Lab Control Sample
JQ1509031-05

Analyte Name	Result	Spike Amount	% Rec	% Rec Limits
4,4'-DDD	30.7	33.3	92	28 - 120
4,4'-DDE	31.3	33.3	94	47 - 116
4,4'-DDT	32.3	33.3	97	39 - 135
Aldrin	33.7	33.3	101	43 - 110
alpha-BHC	33.6	33.3	101	42 - 103
alpha-Chlordane	30.1	33.3	90	45 - 114
beta-BHC	33.9	33.3	102	43 - 117
delta-BHC	32.7	33.3	98	46 - 113
Dieldrin	29.5	33.3	88	41 - 118
Endosulfan I	29.3	33.3	88	45 - 116
Endosulfan II	30.3	33.3	91	43 - 120
Endosulfan Sulfate	30.1	33.3	90	48 - 115
Endrin	31.3	33.3	94	49 - 111
Endrin Aldehyde	27.6	33.3	83	29 - 122
Endrin Ketone	28.2	33.3	85	44 - 122
gamma-BHC (Lindane)	29.9	33.3	90	40 - 106
gamma-Chlordane	30.1	33.3	90	46 - 114
Heptachlor	30.1	33.3	90	39 - 115
Heptachlor Epoxide	29.4	33.3	88	41 - 117
Methoxychlor	34.4	33.3	103	32 - 133

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:**	J1509207
Project:	Beazer Gainesville	**Date Analyzed:**	11/20/15 02:51
Sample Matrix:	Soil	**Date Extracted:**	11/19/15

Method Blank Summary
Organochlorine Pesticides by Gas Chromatography

Sample Name:	Method Blank	**Instrument ID:**	J-GC-01
Lab Code:	JQ1509031-01	**File ID:**	I:\GC01\DATA\GC01-151119\1119-013.D\
Analytical Method:	8081A		
Prep Method:	EPA 3550B		

This Method Blank applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed
Lab Control Sample	JQ1509031-05	I:\GC01\DATA\GC01-151119\1119-014.D\	11/20/15 03:08
SOPILE 3-2	J1509207-002	I:\GC01\DATA\GC01-151119\1119-022.D\	11/20/15 05:20
SOPILE 3-2MS	JQ1509031-03	I:\GC01\DATA\GC01-151119\1119-023.D\	11/20/15 05:37
SOPILE 3-2DMS	JQ1509031-04	I:\GC01\DATA\GC01-151119\1119-024.D\	11/20/15 05:54
SOPILE 3-3	J1509207-005	I:\GC01\DATA\GC01-151119\1119-025.D\	11/20/15 06:10

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Beazer East, Inc.	**Service Request:**	J1509207
Project:	Beazer Gainesville	**Date Analyzed:**	11/20/15 03:08
Sample Matrix:	Soil	**Date Extracted:**	11/19/15

Lab Control Sample Summary
Organochlorine Pesticides by Gas Chromatography

Sample Name:	Lab Control Sample	**Instrument ID:**	J-GC-01
Lab Code:	JQ1509031-05	**File ID:**	I:\GC01\DATA\GC01-151119\1119-014.D\
Analytical Method:	8081A		
Prep Method:	EPA 3550B		

This Lab Control Sample applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed
Method Blank	JQ1509031-01	I:\GC01\DATA\GC01-151119\1119-013.D\	11/20/15 02:51
SOPILE 3-3	J1509207-005	I:\GC01\DATA\GC01-151119\1119-025.D\	11/20/15 06:10
SOPILE 3-2DMS	JQ1509031-04	I:\GC01\DATA\GC01-151119\1119-024.D\	11/20/15 05:54
SOPILE 3-2	J1509207-002	I:\GC01\DATA\GC01-151119\1119-022.D\	11/20/15 05:20
SOPILE 3-2MS	JQ1509031-03	I:\GC01\DATA\GC01-151119\1119-023.D\	11/20/15 05:37

Client: Beazer East, Inc.
Project: Beazer Gainesville
Sample Matrix: Soil

Service Request: J1509207

Organochlorine Pesticides by Gas Chromatography

Prep Method: EPA 3541
Analytical Method: 8081A

Extraction Lot: 250344

Sample Name	Lab Code	Date Collected	Date Received	Sample Amount	Final Amount	Percent Solids
SOPILE 3-2	J1509207-002	11/17/15	11/18/15	13.1100 g	5 mL	92
SOPILE 3-3	J1509207-005	11/17/15	11/18/15	13.6700 g	5 mL	92
Method Blank	JQ1509031-01			15 g	5 mL	
Lab Control Sample	JQ1509031-05			15 g	5 mL	
SOPILE 3-2MS	JQ1509031-03	11/17/15	11/18/15	13.8200 g	5 mL	92
SOPILE 3-2DMS	JQ1509031-04	11/17/15	11/18/15	14.4300 g	5 mL	92

Confirmation Results

Client: Beazer East, Inc.
Project: Beazer Gainesville
Sample Matrix: Soil

Service Request: J1509207
Date Collected: 11/17/15 1022
Date Received: 11/18/15

Sample Name: SOPILE 3-2
Lab Code: J1509207-002

Units: µg/Kg
Basis: Dry
Percent Solids: 92

Organochlorine Pesticides by Gas Chromatography

Analytical Method: 8081A
Prep Method: EPA 3541

Analyte Name	LOQ	MDL	Primary Result	Confirmation Result	RPD	Q	Dilution Factor	Date Analyzed
4,4'-DDE	10.6	4.63	4.88	5.05	7.0	I	1	11/20/15 05:20

Client: Beazer East, Inc.
Project: Beazer Gainesville
Sample Matrix: Soil

Sample Name: SOPILE 3-3
Lab Code: J1509207-005

Service Request: J1509207
Date Collected: 11/17/15 1354
Date Received: 11/18/15

Units: µg/Kg
Basis: Dry
Percent Solids: 92

Organochlorine Pesticides by Gas Chromatography

Analytical Method: 8081A
Prep Method: EPA 3541

Analyte Name	LOQ	MDL	Primary Result	Confirmation Result	RPD	Q	Dilution Factor	Date Analyzed
alpha-Chlordane	10.1	3.30	9.26	22.7	290.3	I	1	11/20/15 06:10
Chlordane	203	63.9	70.6	65.6	14.2	I	1	11/20/15 06:10
gamma-Chlordane	10.1	3.27	12.5	21.1	137.6		1	11/20/15 06:10

Organics Analysis:
Polychlorinated Biphenyls (PCBs) by GC

Summary Package

Sample and QC Results

Client: Beazer East, Inc.
Project: Beazer Gainesville

Service Request: J1509207

Polychlorinated Biphenyls (PCBs) by GC

Sample Name	Lab Code	Date Collected	Date Received
SOPILE 3-2	J1509207-002	11/17/2015	11/18/2015
SOPILE 3-3	J1509207-005	11/17/2015	11/18/2015

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: 01/14/16

Title: Lab Director

Client:	Beazer East, Inc.	**Service Request:**	J1509207
Project:	Beazer Gainesville	**Date Collected:**	11/17/15 1022
Sample Matrix:	Soil	**Date Received:**	11/18/15
Sample Name:	SOPILE 3-2	**Units:**	µg/Kg
Lab Code:	J1509207-002	**Basis:**	Dry
		Percent Solids:	92

Polychlorinated Biphenyls (PCBs) by GC

Analytical Method: 8082
Prep Method: EPA 3550B

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Aroclor 1016	11.3	U	41.0	11.3	1	11/19/15	11/20/15 03:24	250344	473304	
Aroclor 1221	8.31	U	41.0	8.31	1	11/19/15	11/20/15 03:24	250344	473304	
Aroclor 1232	26.9	U	41.0	26.9	1	11/19/15	11/20/15 03:24	250344	473304	
Aroclor 1242	11.1	U	41.0	11.1	1	11/19/15	11/20/15 03:24	250344	473304	
Aroclor 1248	20.0	U	41.0	20.0	1	11/19/15	11/20/15 03:24	250344	473304	
Aroclor 1254	15.2	U	41.0	15.2	1	11/19/15	11/20/15 03:24	250344	473304	
Aroclor 1260	11.6	U	41.0	11.6	1	11/19/15	11/20/15 03:24	250344	473304	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	50	10-258	11/20/15 03:24	

Client:	Beazer East, Inc.	**Service Request:**	J1509207
Project:	Beazer Gainesville	**Date Collected:**	11/17/15 1354
Sample Matrix:	Soil	**Date Received:**	11/18/15
Sample Name:	SOPILE 3-3	**Units:**	µg/Kg
Lab Code:	J1509207-005	**Basis:**	Dry
		Percent Solids:	92

Polychlorinated Biphenyls (PCBs) by GC

Analytical Method: 8082
Prep Method: EPA 3550B

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Aroclor 1016	10.9	U	39.4	10.9	1	11/19/15	11/20/15 03:39	250344	473304	
Aroclor 1221	7.97	U	39.4	7.97	1	11/19/15	11/20/15 03:39	250344	473304	
Aroclor 1232	25.8	U	39.4	25.8	1	11/19/15	11/20/15 03:39	250344	473304	
Aroclor 1242	10.7	U	39.4	10.7	1	11/19/15	11/20/15 03:39	250344	473304	
Aroclor 1248	19.2	U	39.4	19.2	1	11/19/15	11/20/15 03:39	250344	473304	
Aroclor 1254	14.6	U	39.4	14.6	1	11/19/15	11/20/15 03:39	250344	473304	
Aroclor 1260	11.1	U	39.4	11.1	1	11/19/15	11/20/15 03:39	250344	473304	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	50	10-258	11/20/15 03:39	

Client:	Beazer East, Inc.	**Service Request:**	J1509207
Project:	Beazer Gainesville	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	µg/Kg
Lab Code:	JQ1509031-01	**Basis:**	Dry

Polychlorinated Biphenyls (PCBs) by GC

Analytical Method: 8082
Prep Method: EPA 3550B

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Aroclor 1016	9.06	U	33.0	9.06	1	11/19/15	11/20/15 01:05	250344	473304	
Aroclor 1221	6.68	U	33.0	6.68	1	11/19/15	11/20/15 01:05	250344	473304	
Aroclor 1232	21.6	U	33.0	21.6	1	11/19/15	11/20/15 01:05	250344	473304	
Aroclor 1242	8.89	U	33.0	8.89	1	11/19/15	11/20/15 01:05	250344	473304	
Aroclor 1248	16.1	U	33.0	16.1	1	11/19/15	11/20/15 01:05	250344	473304	
Aroclor 1254	12.2	U	33.0	12.2	1	11/19/15	11/20/15 01:05	250344	473304	
Aroclor 1260	9.30	U	33.0	9.30	1	11/19/15	11/20/15 01:05	250344	473304	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	70	10-258	11/20/15 01:05	

Client: Beazer East, Inc.
Project: Beazer Gainesville
Sample Matrix: Soil

Service Request: J1509207

Surrogate Recovery Summary
Polychlorinated Biphenyls (PCBs) by GC

Analytical Method: 8082
Prep Method: EPA 3550B

Units: Percent

Sample Name	Lab Code	Sur1
SOPILE 3-2	J1509207-002	50
SOPILE 3-3	J1509207-005	50
Method Blank	JQ1509031-01	70
Lab Control Sample	JQ1509031-06	70
Duplicate Lab Control Sample	JQ1509031-07	70

Surrogate Recovery Control Limits (%)

Sur1	=	Decachlorobiphenyl	10 - 258

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
Sample Matrix: Soil

Service Request: J1509207
Date Analyzed: 11/20/15

Lab Control Sample Summary
Polychlorinated Biphenyls (PCBs) by GC

Analytical Method: 8082
Prep Method: EPA 3550B

Units: µg/Kg
Basis: Dry

Extraction Lot: 250344

	Lab Control Sample JQ1509031-06			Duplicate Lab Control Sample JQ1509031-07					
Analyte Name	Result	Spike Amount	% Rec	Result	Spike Amount	% Rec	% Rec Limits	RPD	RPD Limit
Aroclor 1016	387	333	116	388	333	116	28 - 149	<1	30
Aroclor 1260	313	333	94	333	333	100	10 - 176	6	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.

Client:	Beazer East, Inc.	**Service Request:**	J1509207
Project:	Beazer Gainesville	**Date Analyzed:**	11/20/15 01:05
Sample Matrix:	Soil	**Date Extracted:**	11/19/15

Method Blank Summary
Polychlorinated Biphenyls (PCBs) by GC

Sample Name:	Method Blank	**Instrument ID:**	J-GC-03
Lab Code:	JQ1509031-01	**File ID:**	I:\GC03\DATA\GC03-151119\1119-007.D\
Analytical Method:	8082		
Prep Method:	EPA 3550B		

This Method Blank applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed
Lab Control Sample	JQ1509031-06	I:\GC03\DATA\GC03-151119\1119-008.D\	11/20/15 01:21
Duplicate Lab Control Sample	JQ1509031-07	I:\GC03\DATA\GC03-151119\1119-009.D\	11/20/15 01:36
SOPILE 3-2	J1509207-002	I:\GC03\DATA\GC03-151119\1119-016.D\	11/20/15 03:24
SOPILE 3-3	J1509207-005	I:\GC03\DATA\GC03-151119\1119-017.D\	11/20/15 03:39

Client:	Beazer East, Inc.	**Service Request:**	J1509207
Project:	Beazer Gainesville	**Date Analyzed:**	11/20/15 01:21
Sample Matrix:	Soil	**Date Extracted:**	11/19/15

Lab Control Sample Summary
Polychlorinated Biphenyls (PCBs) by GC

Sample Name:	Lab Control Sample	**Instrument ID:**	J-GC-03
Lab Code:	JQ1509031-06	**File ID:**	I:\GC03\DATA\GC03-151119\1119-008.D\
Analytical Method:	8082		
Prep Method:	EPA 3550B		

This Lab Control Sample applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed
Duplicate Lab Control Sample	JQ1509031-07	I:\GC03\DATA\GC03-151119\1119-009.D\	11/20/15 01:36
SOPILE 3-2	J1509207-002	I:\GC03\DATA\GC03-151119\1119-016.D\	11/20/15 03:24
SOPILE 3-3	J1509207-005	I:\GC03\DATA\GC03-151119\1119-017.D\	11/20/15 03:39
Method Blank	JQ1509031-01	I:\GC03\DATA\GC03-151119\1119-007.D\	11/20/15 01:05

Client: Beazer East, Inc. **Service Request:** J1509207
Project: Beazer Gainesville
Sample Matrix: Soil

Polychlorinated Biphenyls (PCBs) by GC

Prep Method: EPA 3550B **Extraction Lot:** 250344
Analytical Method: 8082

Sample Name	Lab Code	Date Collected	Date Received	Sample Amount	Final Amount	Percent Solids
SOPILE 3-2	J1509207-002	11/17/15	11/18/15	13.1100 g	5 mL	92
SOPILE 3-3	J1509207-005	11/17/15	11/18/15	13.6700 g	5 mL	92
Method Blank	JQ1509031-01			15 g	5 mL	
Lab Control Sample	JQ1509031-06			15 g	5 mL	
Duplicate Lab Control Sample	JQ1509031-07			15 g	5 mL	

Inorganic Analysis:
Metals

Summary Package

Sample and QC Results

Total Metals
- COVER PAGE -
INORGANIC ANALYSIS DATA PACKAGE

Client: Beazer East, Inc.

SDG No.: J1509207 Method Type: 6010B/6020/74 SOW No.:

Contract: Lab Code: ALJCK Case No.: SAS No.:

Lab Sample ID	Client Sample ID	QC Description
J1509207-002	SOPILE 3-2	
J1509207-005	SOPILE 3-3	
J1509207-005S	SOPILE 3-3S	Matrix Spike
J1509207-005SD	SOPILE 3-3SD	Matrix Spike Duplicate

Were ICP interelement corrections applied?	Yes/No	Yes	
Were ICP background corrections applied?	Yes/No	Yes	
If yes - were raw data generated before applications of background corrections?	Yes/No	No	

Comments: Perkin Elmer MSF program is used for IEC corrections

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 above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Name: Mandy Sullivan

Date: 1.14.2016 Title: Project Manager

Total Metals

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: Beazer East, Inc. SDG No.: J1509207 Method Type:

Sample ID: J1509207-002 Client ID: SOPILE 3-2

Matrix: SOIL Date Received: 11/18/2015 Level: LOW

% Solids: 92.0 Sample Wt/Vol: 1.4 Final Vol: 50.0

Prep Batch ID: 250379 Prep Date: 11/20/2015

Analyte	Concentration	Units	C	Qual	Method	MDL	MRL	Dil	Analytical Date	Time
Aluminum	4400	mg/Kg			6020	2.7	20	10.00	11/25/2015	22:01
Antimony	0.3	mg/Kg	U		6020	0.3	0.4	10.00	11/25/2015	22:01
Arsenic	0.73	mg/Kg			6020	0.22	0.40	10.00	11/25/2015	22:01
Barium	33	mg/Kg			6020	0.2	0.8	10.00	11/25/2015	22:01
Beryllium	0.19	mg/Kg	I		6020	0.06	0.40	10.00	11/25/2015	22:01
Cadmium	0.21	mg/Kg			6020	0.06	0.16	10.00	11/25/2015	22:01
Calcium	49100	mg/Kg			6010B	0.8	4.0	1.00	11/23/2015	16:06:33
Chromium	10	mg/Kg			6020	0.1	0.4	10.00	11/25/2015	22:01
Cobalt	0.66	mg/Kg			6020	0.02	0.40	10.00	11/25/2015	22:01
Copper	5.1	mg/Kg			6020	0.1	0.8	10.00	11/25/2015	22:01
Iron	1920	mg/Kg			6010B	0.5	4.0	1.00	11/21/2015	03:28:31
Lead	33	mg/Kg			6020	0.03	0.20	10.00	11/25/2015	22:01
Magnesium	908	mg/Kg			6010B	0.5	4.0	1.00	11/21/2015	03:28:31
Manganese	46	mg/Kg			6020	0.16	0.81	10.00	11/25/2015	22:01
Mercury	0.0332	mg/Kg			7471B	0.0007	0.0073	1.00	11/24/2015	11:22:23
Nickel	3.2	mg/Kg			6020	0.2	0.8	10.00	11/25/2015	22:01
Potassium	139	mg/Kg			6010B	2.9	80.5	1.00	11/21/2015	03:28:31
Selenium	0.3	mg/Kg	U		6020	0.3	0.8	10.00	11/25/2015	22:01
Sodium	34.2	mg/Kg			6010B	1.3	20.1	1.00	11/21/2015	03:28:31
Silver	0.02	mg/Kg	U		6020	0.02	0.20	10.00	11/25/2015	22:01
Thallium	0.061	mg/Kg	I		6020	0.008	0.40	10.00	11/25/2015	22:01
Vanadium	9.5	mg/Kg			6020	0.7	0.8	10.00	11/25/2015	22:01
Zinc	36	mg/Kg			6020	1.2	4.0	10.00	11/25/2015	22:01

Comments:

Total Metals

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: Beazer East, Inc. SDG No.: J1509207 Method Type:

Sample ID: J1509207-005 Client ID: SOPILE 3-3

Matrix: SOIL Date Received: 11/18/2015 Level: LOW

% Solids: 92.0 Sample Wt/Vol: 1.2 Final Vol: 50.0

Prep Batch ID: 250379 Prep Date: 11/20/2015

Analyte	Concentration	Units	C	Qual	Method	MDL	MRL	Dil	Analytical Date	Time
Aluminum	9550	mg/Kg			6020	3.0	22	10.00	11/25/2015	22:07
Antimony	0.3	mg/Kg	U		6020	0.3	0.5	10.00	11/25/2015	22:07
Arsenic	0.93	mg/Kg			6020	0.24	0.45	10.00	11/25/2015	22:07
Barium	46	mg/Kg			6020	0.2	0.9	10.00	11/25/2015	22:07
Beryllium	0.36	mg/Kg	I		6020	0.06	0.45	10.00	11/25/2015	22:07
Cadmium	0.20	mg/Kg			6020	0.06	0.18	10.00	11/25/2015	22:07
Calcium	60700	mg/Kg			6010B	0.9	4.5	1.00	11/23/2015	16:15:33
Chromium	27	mg/Kg			6020	0.1	0.5	10.00	11/25/2015	22:07
Cobalt	0.80	mg/Kg			6020	0.02	0.45	10.00	11/25/2015	22:07
Copper	3.1	mg/Kg			6020	0.1	0.9	10.00	11/25/2015	22:07
Iron	4000	mg/Kg			6010B	0.5	4.0	1.00	11/21/2015	03:38:24
Lead	22	mg/Kg			6020	0.03	0.22	10.00	11/25/2015	22:07
Magnesium	1020	mg/Kg			6010B	0.5	4.5	1.00	11/21/2015	03:38:24
Manganese	32	mg/Kg			6020	0.18	0.89	10.00	11/25/2015	22:07
Mercury	0.0296	mg/Kg			7471B	0.0007	0.0071	1.00	11/24/2015	11:24:17
Nickel	4.9	mg/Kg			6020	0.2	0.9	10.00	11/25/2015	22:07
Potassium	262	mg/Kg			6010B	3.3	89.1	1.00	11/21/2015	03:38:24
Selenium	0.4	mg/Kg	U		6020	0.4	0.9	10.00	11/25/2015	22:07
Sodium	50.5	mg/Kg			6010B	1.5	22.3	1.00	11/21/2015	03:38:24
Silver	0.02	mg/Kg	U		6020	0.02	0.22	10.00	11/25/2015	22:07
Thallium	0.054	mg/Kg	I		6020	0.009	0.45	10.00	11/25/2015	22:07
Vanadium	14	mg/Kg			6020	0.8	0.9	10.00	11/25/2015	22:07
Zinc	15	mg/Kg			6020	1.3	4.5	10.00	11/25/2015	22:07

Comments:

Total Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Beazer East, Inc. SDG No.: J1509207

Contract: Lab Code: ALJCK Case No.: SAS No.:

Initial Calibration Source: Inorganic Ventures

Continuing Calibration Source: High Purity STDs

Sample ID	Analyte	Result mg/L	True Value mg/L	% Recovery	Acceptance Window (%R)	Method	Analysis Date	Analysis Time	Run Number
ICV									
	Iron	39.200	40.000	98	90.0 - 110.0	6010B	11/20/2015	18:30	112015B1
	Magnesium	19.800	20.000	99	90.0 - 110.0	6010B	11/20/2015	18:30	112015B1
	Potassium	20.800	20.000	104	90.0 - 110.0	6010B	11/20/2015	18:30	112015B1
	Sodium	20.400	20.000	102	90.0 - 110.0	6010B	11/20/2015	18:30	112015B1
CCV									
	Iron	5.130	5.000	103	90.0 - 110.0	6010B	11/20/2015	19:09	112015B1
	Magnesium	5.150	5.000	103	90.0 - 110.0	6010B	11/20/2015	19:09	112015B1
	Potassium	102.000	100.000	102	90.0 - 110.0	6010B	11/20/2015	19:09	112015B1
	Sodium	25.200	25.000	101	90.0 - 110.0	6010B	11/20/2015	19:09	112015B1
CCV									
	Iron	4.990	5.000	100	90.0 - 110.0	6010B	11/20/2015	20:08	112015B1
	Magnesium	4.980	5.000	100	90.0 - 110.0	6010B	11/20/2015	20:08	112015B1
	Potassium	99.800	100.000	100	90.0 - 110.0	6010B	11/20/2015	20:08	112015B1
	Sodium	24.900	25.000	100	90.0 - 110.0	6010B	11/20/2015	20:08	112015B1
CCV									
	Iron	5.100	5.000	102	90.0 - 110.0	6010B	11/20/2015	21:10	112015B1
	Magnesium	5.110	5.000	102	90.0 - 110.0	6010B	11/20/2015	21:10	112015B1
	Potassium	100.000	100.000	100	90.0 - 110.0	6010B	11/20/2015	21:10	112015B1
	Sodium	25.100	25.000	100	90.0 - 110.0	6010B	11/20/2015	21:10	112015B1
CCV									
	Iron	5.030	5.000	101	90.0 - 110.0	6010B	11/20/2015	22:09	112015B1
	Magnesium	5.050	5.000	101	90.0 - 110.0	6010B	11/20/2015	22:09	112015B1
	Potassium	100.000	100.000	100	90.0 - 110.0	6010B	11/20/2015	22:09	112015B1
	Sodium	25.000	25.000	100	90.0 - 110.0	6010B	11/20/2015	22:09	112015B1
CCV									
	Iron	5.000	5.000	100	90.0 - 110.0	6010B	11/20/2015	23:06	112015B1
	Magnesium	5.010	5.000	100	90.0 - 110.0	6010B	11/20/2015	23:06	112015B1
	Potassium	100.000	100.000	100	90.0 - 110.0	6010B	11/20/2015	23:06	112015B1
	Sodium	24.900	25.000	100	90.0 - 110.0	6010B	11/20/2015	23:06	112015B1

Total Metals
- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Beazer East, Inc. SDG No.: J1509207

Contract: Lab Code: ALJCK Case No.: SAS No.:

Initial Calibration Source: Inorganic Ventures

Continuing Calibration Source: High Purity STDs

Sample ID	Analyte	Result mg/L	True Value mg/L	% Recovery	Acceptance Window (%R)	Method	Analysis Date	Analysis Time	Run Number
CCV									
	Iron	5.000	5.000	100	90.0 - 110.0	6010B	11/21/2015	00:02	112015B1
	Magnesium	5.010	5.000	100	90.0 - 110.0	6010B	11/21/2015	00:02	112015B1
	Potassium	99.700	100.000	100	90.0 - 110.0	6010B	11/21/2015	00:02	112015B1
	Sodium	24.800	25.000	99	90.0 - 110.0	6010B	11/21/2015	00:02	112015B1
CCV									
	Iron	5.110	5.000	102	90.0 - 110.0	6010B	11/21/2015	00:15	112015B1
	Magnesium	5.120	5.000	102	90.0 - 110.0	6010B	11/21/2015	00:15	112015B1
	Potassium	98.800	100.000	99	90.0 - 110.0	6010B	11/21/2015	00:15	112015B1
	Sodium	24.800	25.000	99	90.0 - 110.0	6010B	11/21/2015	00:15	112015B1
CCV									
	Iron	5.040	5.000	101	90.0 - 110.0	6010B	11/21/2015	00:59	112015B1
	Magnesium	5.010	5.000	100	90.0 - 110.0	6010B	11/21/2015	00:59	112015B1
	Potassium	100.000	100.000	100	90.0 - 110.0	6010B	11/21/2015	00:59	112015B1
	Sodium	25.000	25.000	100	90.0 - 110.0	6010B	11/21/2015	00:59	112015B1
CCV									
	Iron	5.050	5.000	101	90.0 - 110.0	6010B	11/21/2015	01:57	112015B1
	Magnesium	5.040	5.000	101	90.0 - 110.0	6010B	11/21/2015	01:57	112015B1
	Potassium	99.800	100.000	100	90.0 - 110.0	6010B	11/21/2015	01:57	112015B1
	Sodium	24.600	25.000	98	90.0 - 110.0	6010B	11/21/2015	01:57	112015B1
CCV									
	Iron	5.070	5.000	101	90.0 - 110.0	6010B	11/21/2015	02:54	112015B1
	Magnesium	5.040	5.000	101	90.0 - 110.0	6010B	11/21/2015	02:54	112015B1
	Potassium	100.000	100.000	100	90.0 - 110.0	6010B	11/21/2015	02:54	112015B1
	Sodium	24.800	25.000	99	90.0 - 110.0	6010B	11/21/2015	02:54	112015B1

Total Metals
- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Beazer East, Inc. SDG No.: J1509207

Contract: Lab Code: ALJCK Case No.: SAS No.:

Initial Calibration Source: Inorganic Ventures

Continuing Calibration Source: High Purity STDs

Sample ID	Analyte	Result mg/L	True Value mg/L	% Recovery	Acceptance Window (%R)	Method	Analysis Date	Analysis Time	Run Number
CCV									
	Iron	5.050	5.000	101	90.0 - 110.0	6010B	11/21/2015	04:09	112015B1
	Magnesium	5.050	5.000	101	90.0 - 110.0	6010B	11/21/2015	04:09	112015B1
	Potassium	99.200	100.000	99	90.0 - 110.0	6010B	11/21/2015	04:09	112015B1
	Sodium	24.700	25.000	99	90.0 - 110.0	6010B	11/21/2015	04:09	112015B1
CCV									
	Iron	5.100	5.000	102	90.0 - 110.0	6010B	11/21/2015	05:33	112015B1
	Magnesium	5.130	5.000	103	90.0 - 110.0	6010B	11/21/2015	05:33	112015B1
	Potassium	98.800	100.000	99	90.0 - 110.0	6010B	11/21/2015	05:33	112015B1
	Sodium	24.700	25.000	99	90.0 - 110.0	6010B	11/21/2015	05:33	112015B1
CCV									
	Iron	5.080	5.000	102	90.0 - 110.0	6010B	11/21/2015	06:30	112015B1
	Magnesium	5.050	5.000	101	90.0 - 110.0	6010B	11/21/2015	06:30	112015B1
	Potassium	97.900	100.000	98	90.0 - 110.0	6010B	11/21/2015	06:30	112015B1
	Sodium	24.500	25.000	98	90.0 - 110.0	6010B	11/21/2015	06:30	112015B1
CCV									
	Iron	5.070	5.000	101	90.0 - 110.0	6010B	11/21/2015	07:28	112015B1
	Magnesium	5.070	5.000	101	90.0 - 110.0	6010B	11/21/2015	07:28	112015B1
	Potassium	98.400	100.000	98	90.0 - 110.0	6010B	11/21/2015	07:28	112015B1
	Sodium	24.700	25.000	99	90.0 - 110.0	6010B	11/21/2015	07:28	112015B1
CCV									
	Iron	5.040	5.000	101	90.0 - 110.0	6010B	11/21/2015	08:26	112015B1
	Magnesium	5.040	5.000	101	90.0 - 110.0	6010B	11/21/2015	08:26	112015B1
	Potassium	98.400	100.000	98	90.0 - 110.0	6010B	11/21/2015	08:26	112015B1
	Sodium	24.600	25.000	98	90.0 - 110.0	6010B	11/21/2015	08:26	112015B1
CCV									
	Iron	5.040	5.000	101	90.0 - 110.0	6010B	11/21/2015	09:23	112015B1
	Magnesium	5.050	5.000	101	90.0 - 110.0	6010B	11/21/2015	09:23	112015B1
	Potassium	98.500	100.000	98	90.0 - 110.0	6010B	11/21/2015	09:23	112015B1
	Sodium	24.700	25.000	99	90.0 - 110.0	6010B	11/21/2015	09:23	112015B1

Total Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Beazer East, Inc. SDG No.: J1509207

Contract: Lab Code: ALJCK Case No.: SAS No.:

Initial Calibration Source: Inorganic Ventures

Continuing Calibration Source: High Purity STDs

Sample ID	Analyte	Result mg/L	True Value mg/L	% Recovery	Acceptance Window (%R)	Method	Analysis Date	Analysis Time	Run Number
CCV									
	Iron	5.070	5.000	101	90.0 - 110.0	6010B	11/21/2015	10:21	112015B1
	Magnesium	5.050	5.000	101	90.0 - 110.0	6010B	11/21/2015	10:21	112015B1
	Potassium	98.900	100.000	99	90.0 - 110.0	6010B	11/21/2015	10:21	112015B1
	Sodium	24.800	25.000	99	90.0 - 110.0	6010B	11/21/2015	10:21	112015B1
CCV									
	Iron	5.150	5.000	103	90.0 - 110.0	6010B	11/21/2015	11:18	112015B1
	Magnesium	5.140	5.000	103	90.0 - 110.0	6010B	11/21/2015	11:18	112015B1
	Potassium	99.100	100.000	99	90.0 - 110.0	6010B	11/21/2015	11:18	112015B1
	Sodium	24.800	25.000	99	90.0 - 110.0	6010B	11/21/2015	11:18	112015B1
CCV									
	Iron	5.050	5.000	101	90.0 - 110.0	6010B	11/21/2015	13:13	112015B1
	Magnesium	5.060	5.000	101	90.0 - 110.0	6010B	11/21/2015	13:13	112015B1
	Potassium	99.500	100.000	100	90.0 - 110.0	6010B	11/21/2015	13:13	112015B1
	Sodium	24.900	25.000	100	90.0 - 110.0	6010B	11/21/2015	13:13	112015B1
CCV									
	Iron	5.110	5.000	102	90.0 - 110.0	6010B	11/21/2015	14:11	112015B1
	Magnesium	5.100	5.000	102	90.0 - 110.0	6010B	11/21/2015	14:11	112015B1
	Potassium	100.000	100.000	100	90.0 - 110.0	6010B	11/21/2015	14:11	112015B1
	Sodium	25.100	25.000	100	90.0 - 110.0	6010B	11/21/2015	14:11	112015B1
CCV									
	Iron	5.090	5.000	102	90.0 - 110.0	6010B	11/21/2015	15:31	112015B1
	Magnesium	5.100	5.000	102	90.0 - 110.0	6010B	11/21/2015	15:31	112015B1
	Potassium	101.000	100.000	101	90.0 - 110.0	6010B	11/21/2015	15:31	112015B1
	Sodium	25.200	25.000	101	90.0 - 110.0	6010B	11/21/2015	15:31	112015B1

Total Metals
- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Beazer East, Inc. SDG No.: J1509207

Contract: Lab Code: ALJCK Case No.: SAS No.:

Initial Calibration Source: Inorganic Ventures

Continuing Calibration Source: High Purity STDs

Sample ID	Analyte	Result mg/L	True Value mg/L	% Recovery	Acceptance Window (%R)	Method	Analysis Date	Analysis Time	Run Number
CCV									
	Iron	5.130	5.000	103	90.0 - 110.0	6010B	11/21/2015	16:28	112015B1
	Magnesium	5.150	5.000	103	90.0 - 110.0	6010B	11/21/2015	16:28	112015B1
	Potassium	100.000	100.000	100	90.0 - 110.0	6010B	11/21/2015	16:28	112015B1
	Sodium	25.100	25.000	100	90.0 - 110.0	6010B	11/21/2015	16:28	112015B1
CCV									
	Iron	5.170	5.000	103	90.0 - 110.0	6010B	11/21/2015	17:25	112015B1
	Magnesium	5.200	5.000	104	90.0 - 110.0	6010B	11/21/2015	17:25	112015B1
	Potassium	101.000	100.000	101	90.0 - 110.0	6010B	11/21/2015	17:25	112015B1
	Sodium	25.300	25.000	101	90.0 - 110.0	6010B	11/21/2015	17:25	112015B1
ICV									
	Calcium	79.200	80.000	99	90.0 - 110.0	6010B	11/23/2015	13:40	112315A1
CCV									
	Calcium	5.050	5.000	101	90.0 - 110.0	6010B	11/23/2015	14:18	112315A1
CCV									
	Calcium	5.070	5.000	101	90.0 - 110.0	6010B	11/23/2015	15:24	112315A1
CCV									
	Calcium	5.160	5.000	103	90.0 - 110.0	6010B	11/23/2015	16:42	112315A1
CCV									
	Calcium	5.120	5.000	102	90.0 - 110.0	6010B	11/23/2015	17:49	112315A1
CCV									
	Calcium	5.220	5.000	104	90.0 - 110.0	6010B	11/23/2015	18:55	112315A1
CCV									
	Calcium	5.230	5.000	105	90.0 - 110.0	6010B	11/23/2015	20:13	112315A1

Total Metals
- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Beazer East, Inc. SDG No.: J1509207

Contract: Lab Code: ALJCK Case No.: SAS No.:

Initial Calibration Source: Inorganic Ventures

Continuing Calibration Source: High Purity STDs

Sample ID	Analyte	Result mg/L	True Value mg/L	% Recovery	Acceptance Window (%R)	Method	Analysis Date	Analysis Time	Run Number
CCV	Calcium	5.170	5.000	103	90.0 - 110.0	6010B	11/23/2015	21:21	112315A1
CCV	Calcium	5.300	5.000	106	90.0 - 110.0	6010B	11/23/2015	22:23	112315A1
CCV	Calcium	5.270	5.000	105	90.0 - 110.0	6010B	11/23/2015	23:31	112315A1
CCV	Calcium	5.260	5.000	105	90.0 - 110.0	6010B	11/24/2015	00:44	112315A1
CCV	Calcium	5.310	5.000	106	90.0 - 110.0	6010B	11/24/2015	02:36	112315A1
CCV	Calcium	5.290	5.000	106	90.0 - 110.0	6010B	11/24/2015	03:39	112315A1
CCV	Calcium	5.360	5.000	107	90.0 - 110.0	6010B	11/24/2015	04:28	112315A1
ICV	Mercury ug/L	5.11	5.00	102	90.0 - 110.0	7471B	11/24/2015	10:00	112415A JA
ICV	Mercury	5.11	5.00	102	90.0 - 110.0	7471B	11/24/2015	10:02	112415A JA
CCV-1	Mercury	5.12	5.00	102	80.0 - 120.0	7471B	11/24/2015	10:22	112415A JA
CCV-2	Mercury	5.15	5.00	103	80.0 - 120.0	7471B	11/24/2015	10:40	112415A JA

Total Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Beazer East, Inc. SDG No.: J1509207

Contract: Lab Code: ALJCK Case No.: SAS No.:

Initial Calibration Source: High Purity Standards

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Acceptance Window (%R)	Method	Analysis Date	Analysis Time	Run Number
CCV-3									
	Mercury	5.16	5.00	103	80.0 - 120.0	7471B	11/24/2015	10:59	112415A JA
CCV-4									
	Mercury	5.20	5.00	104	80.0 - 120.0	7471B	11/24/2015	11:19	112415A JA
CCV-5									
	Mercury	5.26	5.00	105	80.0 - 120.0	7471B	11/24/2015	11:38	112415A JA
CCV-6									
	Mercury	5.26	5.00	105	80.0 - 120.0	7471B	11/24/2015	11:57	112415A JA
CCV-7									
	Mercury	5.26	5.00	105	80.0 - 120.0	7471B	11/24/2015	12:07	112415A JA
ICV									
	Aluminum	502.0	500.0	100	90.0 - 110.0	6020	11/25/2015	21:13	112515B
	Antimony	53.2	50.0	106	90.0 - 110.0	6020	11/25/2015	21:13	112515B
	Arsenic	51.7	50.0	103	90.0 - 110.0	6020	11/25/2015	21:13	112515B
	Barium	48.2	50.0	96	90.0 - 110.0	6020	11/25/2015	21:13	112515B
	Beryllium	19.4	20.0	97	90.0 - 110.0	6020	11/25/2015	21:13	112515B
	Cadmium	25.3	25.0	101	90.0 - 110.0	6020	11/25/2015	21:13	112515B
	Chromium	49.0	50.0	98	90.0 - 110.0	6020	11/25/2015	21:13	112515B
	Cobalt	48.5	50.0	97	90.0 - 110.0	6020	11/25/2015	21:13	112515B
	Copper	48.8	50.0	98	90.0 - 110.0	6020	11/25/2015	21:13	112515B
	Lead	47.9	50.0	96	90.0 - 110.0	6020	11/25/2015	21:13	112515B
	Manganese	49.2	50.0	98	90.0 - 110.0	6020	11/25/2015	21:13	112515B
	Nickel	50.4	50.0	101	90.0 - 110.0	6020	11/25/2015	21:13	112515B
	Selenium	51.6	50.0	103	90.0 - 110.0	6020	11/25/2015	21:13	112515B
	Silver	48.4	50.0	97	90.0 - 110.0	6020	11/25/2015	21:13	112515B
	Thallium	49.5	50.0	99	90.0 - 110.0	6020	11/25/2015	21:13	112515B
	Vanadium	97.6	100.0	98	90.0 - 110.0	6020	11/25/2015	21:13	112515B
	Zinc	96.6	100.0	97	90.0 - 110.0	6020	11/25/2015	21:13	112515B

Total Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Beazer East, Inc. SDG No.: J1509207

Contract: Lab Code: ALJCK Case No.: SAS No.:

Initial Calibration Source: High Purity Standards

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Acceptance Window (%R)	Method	Analysis Date	Analysis Time	Run Number
CCV-1									
	Aluminum	2530.0	2500.0	101	90.0 - 110.0	6020	11/25/2015	21:40	112515B
	Antimony	51.1	50.0	102	90.0 - 110.0	6020	11/25/2015	21:40	112515B
	Arsenic	51.2	50.0	102	90.0 - 110.0	6020	11/25/2015	21:40	112515B
	Barium	103.0	100.0	103	90.0 - 110.0	6020	11/25/2015	21:40	112515B
	Beryllium	23.9	25.0	96	90.0 - 110.0	6020	11/25/2015	21:40	112515B
	Cadmium	20.9	20.0	104	90.0 - 110.0	6020	11/25/2015	21:40	112515B
	Chromium	50.0	50.0	100	90.0 - 110.0	6020	11/25/2015	21:40	112515B
	Cobalt	50.9	50.0	102	90.0 - 110.0	6020	11/25/2015	21:40	112515B
	Copper	49.8	50.0	100	90.0 - 110.0	6020	11/25/2015	21:40	112515B
	Lead	24.8	25.0	99	90.0 - 110.0	6020	11/25/2015	21:40	112515B
	Manganese	102.0	100.0	102	90.0 - 110.0	6020	11/25/2015	21:40	112515B
	Nickel	102.0	100.0	102	90.0 - 110.0	6020	11/25/2015	21:40	112515B
	Selenium	103.0	100.0	103	90.0 - 110.0	6020	11/25/2015	21:40	112515B
	Silver	25.5	25.0	102	90.0 - 110.0	6020	11/25/2015	21:40	112515B
	Thallium	10.3	10.0	103	90.0 - 110.0	6020	11/25/2015	21:40	112515B
	Vanadium	100.0	100.0	100	90.0 - 110.0	6020	11/25/2015	21:40	112515B
	Zinc	248.0	250.0	99	90.0 - 110.0	6020	11/25/2015	21:40	112515B
CCV-2									
	Aluminum	2570.0	2500.0	103	90.0 - 110.0	6020	11/25/2015	22:44	112515B
	Antimony	49.8	50.0	100	90.0 - 110.0	6020	11/25/2015	22:44	112515B
	Arsenic	52.3	50.0	105	90.0 - 110.0	6020	11/25/2015	22:44	112515B
	Barium	99.8	100.0	100	90.0 - 110.0	6020	11/25/2015	22:44	112515B
	Beryllium	25.5	25.0	102	90.0 - 110.0	6020	11/25/2015	22:44	112515B
	Cadmium	20.1	20.0	100	90.0 - 110.0	6020	11/25/2015	22:44	112515B
	Chromium	50.2	50.0	100	90.0 - 110.0	6020	11/25/2015	22:44	112515B
	Cobalt	51.0	50.0	102	90.0 - 110.0	6020	11/25/2015	22:44	112515B
	Copper	49.9	50.0	100	90.0 - 110.0	6020	11/25/2015	22:44	112515B
	Lead	24.7	25.0	99	90.0 - 110.0	6020	11/25/2015	22:44	112515B
	Manganese	101.0	100.0	101	90.0 - 110.0	6020	11/25/2015	22:44	112515B
	Nickel	103.0	100.0	103	90.0 - 110.0	6020	11/25/2015	22:44	112515B
	Selenium	105.0	100.0	105	90.0 - 110.0	6020	11/25/2015	22:44	112515B
	Silver	24.5	25.0	98	90.0 - 110.0	6020	11/25/2015	22:44	112515B
	Thallium	10.4	10.0	104	90.0 - 110.0	6020	11/25/2015	22:44	112515B
	Vanadium	102.0	100.0	102	90.0 - 110.0	6020	11/25/2015	22:44	112515B
	Zinc	248.0	250.0	99	90.0 - 110.0	6020	11/25/2015	22:44	112515B

Total Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Beazer East, Inc. SDG No.: J1509207

Contract: Lab Code: ALJCK Case No.: SAS No.:

Initial Calibration Source: High Purity Standards

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Acceptance Window (%R)	Method	Analysis Date	Analysis Time	Run Number
CCV-3									
	Aluminum	2640.0	2500.0	106	90.0 - 110.0	6020	11/25/2015	23:28	112515B
	Antimony	49.9	50.0	100	90.0 - 110.0	6020	11/25/2015	23:28	112515B
	Arsenic	53.2	50.0	106	90.0 - 110.0	6020	11/25/2015	23:28	112515B
	Barium	98.5	100.0	98	90.0 - 110.0	6020	11/25/2015	23:28	112515B
	Beryllium	26.2	25.0	105	90.0 - 110.0	6020	11/25/2015	23:28	112515B
	Cadmium	20.1	20.0	100	90.0 - 110.0	6020	11/25/2015	23:28	112515B
	Chromium	50.4	50.0	101	90.0 - 110.0	6020	11/25/2015	23:28	112515B
	Cobalt	51.1	50.0	102	90.0 - 110.0	6020	11/25/2015	23:28	112515B
	Copper	50.5	50.0	101	90.0 - 110.0	6020	11/25/2015	23:28	112515B
	Lead	24.6	25.0	98	90.0 - 110.0	6020	11/25/2015	23:28	112515B
	Manganese	100.0	100.0	100	90.0 - 110.0	6020	11/25/2015	23:28	112515B
	Nickel	104.0	100.0	104	90.0 - 110.0	6020	11/25/2015	23:28	112515B
	Selenium	105.0	100.0	105	90.0 - 110.0	6020	11/25/2015	23:28	112515B
	Silver	24.8	25.0	99	90.0 - 110.0	6020	11/25/2015	23:28	112515B
	Thallium	10.1	10.0	101	90.0 - 110.0	6020	11/25/2015	23:28	112515B
	Vanadium	103.0	100.0	103	90.0 - 110.0	6020	11/25/2015	23:28	112515B
	Zinc	248.0	250.0	99	90.0 - 110.0	6020	11/25/2015	23:28	112515B

Total Metals
- 2b -
CRDL STANDARD FOR AA & ICP

Client: Beazer East, Inc. SDG No.: J1509207

Contract: Lab Code: ALJCK Case No: SAS No.:

AA CRDL Standard Source:

ICP CRDL Standard Source: High Purity STDs

Sample ID	Analyte	Result mg/L	True Value mg/L	% Recovery	Advisory Limits (%R)	Method	Analysis Date	Analysis Time	Run Number
MRL									
	Iron	0.101	0.100	101	50 - 150	6010B	11/20/201	18:46	112015B1
	Magnesium	0.102	0.100	102	50 - 150	6010B	11/20/201	18:46	112015B1
	Potassium	2.070	2.000	104	50 - 150	6010B	11/20/201	18:46	112015B1
	Sodium	0.501	0.500	100	50 - 150	6010B	11/20/201	18:46	112015B1
MRL									
	Iron	0.103	0.100	103	50 - 150	6010B	11/21/201	17:02	112015B1
	Magnesium	0.102	0.100	102	50 - 150	6010B	11/21/201	17:02	112015B1
	Potassium	2.000	2.000	100	50 - 150	6010B	11/21/201	17:02	112015B1
	Sodium	0.505	0.500	101	50 - 150	6010B	11/21/201	17:02	112015B1
MRL									
	Calcium	0.101	0.100	101	50 - 150	6010B	11/23/201	13:56	112315A1
MRL									
	Calcium	0.100	0.100	100	50 - 150	6010B	11/23/201	15:46	112315A1
MRL									
	Calcium	0.107	0.100	107	50 - 150	6010B	11/24/201	04:06	112315A1
MRL 0.1	ug/L								
	Mercury	0.09	0.10	90	50 - 150	7471B	11/24/201	10:05	112415A J

Total Metals
- 2b -
CRDL STANDARD FOR AA & ICP

Client: Beazer East, Inc. SDG No.: J1509207

Contract: Lab Code: ALJCK Case No: SAS No.:

AA CRDL Standard Source:

ICP CRDL Standard Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Advisory Limits (%R)	Method	Analysis Date	Analysis Time	Run Number
MRL									
	Aluminum	49.2	50.0	98	50 - 150	6020	11/25/201	21:24	112515B
	Antimony	1.1	1.0	110	50 - 150	6020	11/25/201	21:24	112515B
	Arsenic	1.1	1.0	110	50 - 150	6020	11/25/201	21:24	112515B
	Barium	2.0	2.0	100	50 - 150	6020	11/25/201	21:24	112515B
	Beryllium	0.5	0.5	100	50 - 150	6020	11/25/201	21:24	112515B
	Cadmium	0.4	0.4	100	50 - 150	6020	11/25/201	21:24	112515B
	Chromium	1.0	1.0	100	50 - 150	6020	11/25/201	21:24	112515B
	Cobalt	1.0	1.0	100	50 - 150	6020	11/25/201	21:24	112515B
	Copper	0.9	1.0	90	50 - 150	6020	11/25/201	21:24	112515B
	Lead	0.5	0.5	100	50 - 150	6020	11/25/201	21:24	112515B
	Manganese	2.0	2.0	100	50 - 150	6020	11/25/201	21:24	112515B
	Nickel	1.9	2.0	95	50 - 150	6020	11/25/201	21:24	112515B
	Selenium	1.9	2.0	95	50 - 150	6020	11/25/201	21:24	112515B
	Silver	0.5	0.5	100	50 - 150	6020	11/25/201	21:24	112515B
	Thallium	0.2	0.2	100	50 - 150	6020	11/25/201	21:24	112515B
	Vanadium	1.8	2.0	90	50 - 150	6020	11/25/201	21:24	112515B
	Zinc	4.8	5.0	96	50 - 150	6020	11/25/201	21:24	112515B

Total Metals

- 2b -

CRDL STANDARD FOR AA & ICP

Client: Beazer East, Inc. SDG No.: J1509207

Contract: Lab Code: ALJCK Case No: SAS No.:

AA CRDL Standard Source:

ICP CRDL Standard Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Advisory Limits (%R)	Method	Analysis Date	Analysis Time	Run Number
MRL									
	Aluminum	55.4	50.0	111	50 - 150	6020	11/25/201	23:38	112515B
	Antimony	1.1	1.0	110	50 - 150	6020	11/25/201	23:38	112515B
	Arsenic	1.1	1.0	110	50 - 150	6020	11/25/201	23:38	112515B
	Barium	1.9	2.0	95	50 - 150	6020	11/25/201	23:38	112515B
	Beryllium	0.5	0.5	100	50 - 150	6020	11/25/201	23:38	112515B
	Cadmium	0.4	0.4	100	50 - 150	6020	11/25/201	23:38	112515B
	Chromium	1.0	1.0	100	50 - 150	6020	11/25/201	23:38	112515B
	Cobalt	1.0	1.0	100	50 - 150	6020	11/25/201	23:38	112515B
	Copper	1.0	1.0	100	50 - 150	6020	11/25/201	23:38	112515B
	Lead	0.5	0.5	100	50 - 150	6020	11/25/201	23:38	112515B
	Manganese	2.0	2.0	100	50 - 150	6020	11/25/201	23:38	112515B
	Nickel	2.1	2.0	105	50 - 150	6020	11/25/201	23:38	112515B
	Selenium	1.9	2.0	95	50 - 150	6020	11/25/201	23:38	112515B
	Silver	0.3	0.5	60	50 - 150	6020	11/25/201	23:38	112515B
	Thallium	0.2	0.2	100	50 - 150	6020	11/25/201	23:38	112515B
	Vanadium	1.9	2.0	95	50 - 150	6020	11/25/201	23:38	112515B
	Zinc	5.2	5.0	104	50 - 150	6020	11/25/201	23:38	112515B

Total Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Beazer East, Inc. SDG No.: J1509207

Contract: Lab Code: ALJCK Case No.: SAS No.:

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	MDL	MRL	Method	Analysis Date	Analysis Time	Run
ICB										
	Iron	0.01800	+/-0.10000	U	0.01800	0.10000	6010B	11/20/2015	18:35	112015B1
	Magnesium	0.00350	+/-0.10000	U	0.00350	0.10000	6010B	11/20/2015	18:35	112015B1
	Potassium	0.08070	+/-2.00000	I	0.04000	2.00000	6010B	11/20/2015	18:35	112015B1
	Sodium	0.01300	+/-0.50000	U	0.01300	0.50000	6010B	11/20/2015	18:35	112015B1
CCB										
	Iron	0.01800	+/-0.10000	U	0.01800	0.10000	6010B	11/20/2015	19:14	112015B1
	Magnesium	0.00350	+/-0.10000	U	0.00350	0.10000	6010B	11/20/2015	19:14	112015B1
	Potassium	0.05090	+/-2.00000	I	0.04000	2.00000	6010B	11/20/2015	19:14	112015B1
	Sodium	0.01300	+/-0.50000	U	0.01300	0.50000	6010B	11/20/2015	19:14	112015B1
CCB										
	Iron	0.01800	+/-0.10000	U	0.01800	0.10000	6010B	11/20/2015	20:14	112015B1
	Magnesium	0.00350	+/-0.10000	U	0.00350	0.10000	6010B	11/20/2015	20:14	112015B1
	Potassium	0.05630	+/-2.00000	I	0.04000	2.00000	6010B	11/20/2015	20:14	112015B1
	Sodium	0.01300	+/-0.50000	U	0.01300	0.50000	6010B	11/20/2015	20:14	112015B1
CCB										
	Iron	0.01800	+/-0.10000	U	0.01800	0.10000	6010B	11/20/2015	21:15	112015B1
	Magnesium	0.00350	+/-0.10000	U	0.00350	0.10000	6010B	11/20/2015	21:15	112015B1
	Potassium	0.06200	+/-2.00000	I	0.04000	2.00000	6010B	11/20/2015	21:15	112015B1
	Sodium	0.01980	+/-0.50000	I	0.01300	0.50000	6010B	11/20/2015	21:15	112015B1
CCB										
	Iron	0.01800	+/-0.10000	U	0.01800	0.10000	6010B	11/20/2015	22:14	112015B1
	Magnesium	0.00350	+/-0.10000	U	0.00350	0.10000	6010B	11/20/2015	22:14	112015B1
	Potassium	0.12000	+/-2.00000	I	0.04000	2.00000	6010B	11/20/2015	22:14	112015B1
	Sodium	0.01300	+/-0.50000	U	0.01300	0.50000	6010B	11/20/2015	22:14	112015B1
CCB										
	Iron	0.01800	+/-0.10000	U	0.01800	0.10000	6010B	11/20/2015	23:11	112015B1
	Magnesium	0.00350	+/-0.10000	U	0.00350	0.10000	6010B	11/20/2015	23:11	112015B1
	Potassium	0.09400	+/-2.00000	I	0.04000	2.00000	6010B	11/20/2015	23:11	112015B1
	Sodium	0.01300	+/-0.50000	U	0.01300	0.50000	6010B	11/20/2015	23:11	112015B1

Total Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Beazer East, Inc. SDG No.: J1509207

Contract: Lab Code: ALJCK Case No.: SAS No.:

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	MDL	MRL	Method	Analysis Date	Analysis Time	Run
CCB										
	Iron	0.01800	+/-0.10000	U	0.01800	0.10000	6010B	11/21/2015	00:08	112015B1
	Magnesium	0.00350	+/-0.10000	U	0.00350	0.10000	6010B	11/21/2015	00:08	112015B1
	Potassium	0.06470	+/-2.00000	I	0.04000	2.00000	6010B	11/21/2015	00:08	112015B1
	Sodium	0.01300	+/-0.50000	U	0.01300	0.50000	6010B	11/21/2015	00:08	112015B1
CCB										
	Iron	0.01800	+/-0.10000	U	0.01800	0.10000	6010B	11/21/2015	00:20	112015B1
	Magnesium	0.00350	+/-0.10000	U	0.00350	0.10000	6010B	11/21/2015	00:20	112015B1
	Potassium	0.04000	+/-2.00000	U	0.04000	2.00000	6010B	11/21/2015	00:20	112015B1
	Sodium	0.01300	+/-0.50000	U	0.01300	0.50000	6010B	11/21/2015	00:20	112015B1
CCB										
	Iron	0.01800	+/-0.10000	U	0.01800	0.10000	6010B	11/21/2015	01:05	112015B1
	Magnesium	0.00350	+/-0.10000	U	0.00350	0.10000	6010B	11/21/2015	01:05	112015B1
	Potassium	0.04160	+/-2.00000	I	0.04000	2.00000	6010B	11/21/2015	01:05	112015B1
	Sodium	0.01300	+/-0.50000	U	0.01300	0.50000	6010B	11/21/2015	01:05	112015B1
CCB										
	Iron	0.01800	+/-0.10000	U	0.01800	0.10000	6010B	11/21/2015	02:03	112015B1
	Magnesium	0.00350	+/-0.10000	U	0.00350	0.10000	6010B	11/21/2015	02:03	112015B1
	Potassium	0.04530	+/-2.00000	I	0.04000	2.00000	6010B	11/21/2015	02:03	112015B1
	Sodium	0.01300	+/-0.50000	U	0.01300	0.50000	6010B	11/21/2015	02:03	112015B1
CCB										
	Iron	0.01800	+/-0.10000	U	0.01800	0.10000	6010B	11/21/2015	02:59	112015B1
	Magnesium	0.00350	+/-0.10000	U	0.00350	0.10000	6010B	11/21/2015	02:59	112015B1
	Potassium	0.04390	+/-2.00000	I	0.04000	2.00000	6010B	11/21/2015	02:59	112015B1
	Sodium	0.01300	+/-0.50000	U	0.01300	0.50000	6010B	11/21/2015	02:59	112015B1

Total Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Beazer East, Inc. SDG No.: J1509207

Contract: Lab Code: ALJCK Case No.: SAS No.:

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	MDL	MRL	Method	Analysis Date	Analysis Time	Run
CCB										
	Iron	0.01800	+/-0.10000	U	0.01800	0.10000	6010B	11/21/2015	04:14	112015B1
	Magnesium	0.00350	+/-0.10000	U	0.00350	0.10000	6010B	11/21/2015	04:14	112015B1
	Potassium	0.08430	+/-2.00000	I	0.04000	2.00000	6010B	11/21/2015	04:14	112015B1
	Sodium	0.01300	+/-0.50000	U	0.01300	0.50000	6010B	11/21/2015	04:14	112015B1
CCB										
	Iron	0.01800	+/-0.10000	U	0.01800	0.10000	6010B	11/21/2015	05:39	112015B1
	Magnesium	0.00350	+/-0.10000	U	0.00350	0.10000	6010B	11/21/2015	05:39	112015B1
	Potassium	0.04000	+/-2.00000	U	0.04000	2.00000	6010B	11/21/2015	05:39	112015B1
	Sodium	0.01300	+/-0.50000	U	0.01300	0.50000	6010B	11/21/2015	05:39	112015B1
CCB										
	Iron	0.01800	+/-0.10000	U	0.01800	0.10000	6010B	11/21/2015	06:36	112015B1
	Magnesium	0.01030	+/-0.10000	I	0.00350	0.10000	6010B	11/21/2015	06:36	112015B1
	Potassium	0.04000	+/-2.00000	U	0.04000	2.00000	6010B	11/21/2015	06:36	112015B1
	Sodium	0.01300	+/-0.50000	U	0.01300	0.50000	6010B	11/21/2015	06:36	112015B1
CCB										
	Iron	0.01800	+/-0.10000	U	0.01800	0.10000	6010B	11/21/2015	07:34	112015B1
	Magnesium	0.00350	+/-0.10000	U	0.00350	0.10000	6010B	11/21/2015	07:34	112015B1
	Potassium	0.04190	+/-2.00000	I	0.04000	2.00000	6010B	11/21/2015	07:34	112015B1
	Sodium	0.01300	+/-0.50000	U	0.01300	0.50000	6010B	11/21/2015	07:34	112015B1
CCB										
	Iron	0.01800	+/-0.10000	U	0.01800	0.10000	6010B	11/21/2015	08:31	112015B1
	Magnesium	0.00354	+/-0.10000	I	0.00350	0.10000	6010B	11/21/2015	08:31	112015B1
	Potassium	0.05020	+/-2.00000	I	0.04000	2.00000	6010B	11/21/2015	08:31	112015B1
	Sodium	0.01300	+/-0.50000	U	0.01300	0.50000	6010B	11/21/2015	08:31	112015B1
CCB										
	Iron	0.01800	+/-0.10000	U	0.01800	0.10000	6010B	11/21/2015	09:28	112015B1
	Magnesium	0.00350	+/-0.10000	U	0.00350	0.10000	6010B	11/21/2015	09:28	112015B1
	Potassium	0.04000	+/-2.00000	U	0.04000	2.00000	6010B	11/21/2015	09:28	112015B1
	Sodium	0.01300	+/-0.50000	U	0.01300	0.50000	6010B	11/21/2015	09:28	112015B1

Total Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Beazer East, Inc. SDG No.: J1509207

Contract: Lab Code: ALJCK Case No.: SAS No.:

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	MDL	MRL	Method	Analysis Date	Analysis Time	Run
CCB										
	Iron	0.01800	+/-0.10000	U	0.01800	0.10000	6010B	11/21/2015	10:26	112015B1
	Magnesium	0.00350	+/-0.10000	U	0.00350	0.10000	6010B	11/21/2015	10:26	112015B1
	Potassium	0.10200	+/-2.00000	I	0.04000	2.00000	6010B	11/21/2015	10:26	112015B1
	Sodium	0.01300	+/-0.50000	U	0.01300	0.50000	6010B	11/21/2015	10:26	112015B1
CCB										
	Iron	0.01800	+/-0.10000	U	0.01800	0.10000	6010B	11/21/2015	11:23	112015B1
	Magnesium	0.00350	+/-0.10000	U	0.00350	0.10000	6010B	11/21/2015	11:23	112015B1
	Potassium	0.07900	+/-2.00000	I	0.04000	2.00000	6010B	11/21/2015	11:23	112015B1
	Sodium	0.01300	+/-0.50000	U	0.01300	0.50000	6010B	11/21/2015	11:23	112015B1
CCB										
	Iron	0.01800	+/-0.10000	U	0.01800	0.10000	6010B	11/21/2015	13:19	112015B1
	Magnesium	0.00350	+/-0.10000	U	0.00350	0.10000	6010B	11/21/2015	13:19	112015B1
	Potassium	0.09490	+/-2.00000	I	0.04000	2.00000	6010B	11/21/2015	13:19	112015B1
	Sodium	0.01300	+/-0.50000	U	0.01300	0.50000	6010B	11/21/2015	13:19	112015B1
CCB										
	Iron	0.01800	+/-0.10000	U	0.01800	0.10000	6010B	11/21/2015	14:16	112015B1
	Magnesium	0.00350	+/-0.10000	U	0.00350	0.10000	6010B	11/21/2015	14:16	112015B1
	Potassium	0.04620	+/-2.00000	I	0.04000	2.00000	6010B	11/21/2015	14:16	112015B1
	Sodium	0.01300	+/-0.50000	U	0.01300	0.50000	6010B	11/21/2015	14:16	112015B1
CCB										
	Iron	0.01800	+/-0.10000	U	0.01800	0.10000	6010B	11/21/2015	15:37	112015B1
	Magnesium	0.01080	+/-0.10000	I	0.00350	0.10000	6010B	11/21/2015	15:37	112015B1
	Potassium	0.04000	+/-2.00000	U	0.04000	2.00000	6010B	11/21/2015	15:37	112015B1
	Sodium	0.01300	+/-0.50000	U	0.01300	0.50000	6010B	11/21/2015	15:37	112015B1

Total Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Beazer East, Inc. SDG No.: J1509207

Contract: Lab Code: ALJCK Case No.: SAS No.:

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	MDL	MRL	Method	Analysis Date	Analysis Time	Run
CCB										
	Iron	0.01800	+/-0.10000	U	0.01800	0.10000	6010B	11/21/2015	16:33	112015B1
	Magnesium	0.00350	+/-0.10000	U	0.00350	0.10000	6010B	11/21/2015	16:33	112015B1
	Potassium	0.04660	+/-2.00000	I	0.04000	2.00000	6010B	11/21/2015	16:33	112015B1
	Sodium	0.01300	+/-0.50000	U	0.01300	0.50000	6010B	11/21/2015	16:33	112015B1
CCB										
	Iron	0.01800	+/-0.10000	U	0.01800	0.10000	6010B	11/21/2015	17:30	112015B1
	Magnesium	0.00618	+/-0.10000	I	0.00350	0.10000	6010B	11/21/2015	17:30	112015B1
	Potassium	0.04000	+/-2.00000	U	0.04000	2.00000	6010B	11/21/2015	17:30	112015B1
	Sodium	0.01300	+/-0.50000	U	0.01300	0.50000	6010B	11/21/2015	17:30	112015B1
ICB										
	Calcium	0.02600	+/-0.00010	U	0.02600	0.00010	6010B	11/23/2015	13:45	112315A1
CCB										
	Calcium	0.02600	+/-0.00010	U	0.02600	0.00010	6010B	11/23/2015	14:24	112315A1
CCB										
	Calcium	0.02600	+/-0.00010	U	0.02600	0.00010	6010B	11/23/2015	15:29	112315A1
CCB										
	Calcium	0.02600	+/-0.00010	U	0.02600	0.00010	6010B	11/23/2015	16:47	112315A1
CCB										
	Calcium	0.02600	+/-0.00010	U	0.02600	0.00010	6010B	11/23/2015	17:54	112315A1
CCB										
	Calcium	0.02600	+/-0.00010	U	0.02600	0.00010	6010B	11/23/2015	19:00	112315A1
CCB										
	Calcium	0.02600	+/-0.00010	U	0.02600	0.00010	6010B	11/23/2015	20:18	112315A1

Total Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Beazer East, Inc. SDG No.: J1509207

Contract: Lab Code: ALJCK Case No.: SAS No.:

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	MDL	MRL	Method	Analysis Date	Analysis Time	Run
CCB	Calcium	0.02600	+/-0.00010	U	0.02600	0.00010	6010B	11/23/2015	21:26	112315A1
CCB	Calcium	0.02600	+/-0.00010	U	0.02600	0.00010	6010B	11/23/2015	22:28	112315A1
CCB	Calcium	0.02600	+/-0.00010	U	0.02600	0.00010	6010B	11/23/2015	23:36	112315A1
CCB	Calcium	0.02600	+/-0.00010	U	0.02600	0.00010	6010B	11/24/2015	00:50	112315A1
CCB	Calcium	0.02600	+/-0.00010	U	0.02600	0.00010	6010B	11/24/2015	02:41	112315A1
CCB	Calcium	0.02600	+/-0.00010	U	0.02600	0.00010	6010B	11/24/2015	03:44	112315A1
CCB	Calcium	0.02600	+/-0.00010	U	0.02600	0.00010	6010B	11/24/2015	04:34	112315A1
ICB	Mercury ug/L	0.01	+/-0.10	U	0.01	0.10	7471B	11/24/2015	10:04	112415A JA
CCB-1	Mercury	0.01	+/-0.10	U	0.01	0.10	7471B	11/24/2015	10:24	112415A JA
CCB-2	Mercury	0.01	+/-0.10	U	0.01	0.10	7471B	11/24/2015	10:42	112415A JA
CCB-3	Mercury	0.01	+/-0.10	U	0.01	0.10	7471B	11/24/2015	11:01	112415A JA

Total Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Beazer East, Inc. SDG No.: J1509207

Contract: Lab Code: ALJCK Case No.: SAS No.:

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	MDL	MRL	Method	Analysis Date	Analysis Time	Run
CCB-4										
	Mercury	0.01	+/-0.10	U	0.01	0.10	7471B	11/24/2015	11:21	112415A JA
CCB-5										
	Mercury	0.01	+/-0.10	U	0.01	0.10	7471B	11/24/2015	11:40	112415A JA
CCB-6										
	Mercury	0.01	+/-0.10	U	0.01	0.10	7471B	11/24/2015	11:59	112415A JA
CCB-7										
	Mercury	0.01	+/-0.10	U	0.01	0.10	7471B	11/24/2015	12:09	112415A JA
ICB										
	Aluminum	2.60	+/-500.00	U	2.60	500.00	6020	11/25/2015	21:18	112515B
	Antimony	0.25	+/-20.00	I	0.16	20.00	6020	11/25/2015	21:18	112515B
	Arsenic	0.42	+/-5.00	U	0.42	5.00	6020	11/25/2015	21:18	112515B
	Barium	0.42	+/-20.00	U	0.42	20.00	6020	11/25/2015	21:18	112515B
	Beryllium	0.032	+/-10.000	U	0.032	10.000	6020	11/25/2015	21:18	112515B
	Cadmium	0.09	+/-1.00	U	0.09	1.00	6020	11/25/2015	21:18	112515B
	Chromium	0.18	+/-20.00	U	0.18	20.00	6020	11/25/2015	21:18	112515B
	Cobalt	0.03	+/-10.00	U	0.03	10.00	6020	11/25/2015	21:18	112515B
	Copper	0.22	+/-20.00	U	0.22	20.00	6020	11/25/2015	21:18	112515B
	Lead	0.12	+/-10.00	U	0.12	10.00	6020	11/25/2015	21:18	112515B
	Manganese	0.12	+/-50.00	U	0.12	50.00	6020	11/25/2015	21:18	112515B
	Nickel	0.47	+/-20.00	U	0.47	20.00	6020	11/25/2015	21:18	112515B
	Selenium	1.10	+/-50.00	U	1.10	50.00	6020	11/25/2015	21:18	112515B
	Silver	0.06	+/-5.00	U	0.06	5.00	6020	11/25/2015	21:18	112515B
	Thallium	0.05	+/-1.00	U	0.05	1.00	6020	11/25/2015	21:18	112515B
	Vanadium	0.61	+/-50.00	I	0.23	50.00	6020	11/25/2015	21:18	112515B
	Zinc	1.60	+/-100.00	U	1.60	100.00	6020	11/25/2015	21:18	112515B

Total Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Beazer East, Inc. SDG No.: J1509207

Contract: Lab Code: ALJCK Case No.: SAS No.:

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	MDL	MRL	Method	Analysis Date	Analysis Time	Run
CCB-1										
	Aluminum	2.60	+/-500.00	U	2.60	500.00	6020	11/25/2015	21:45	112515B
	Antimony	0.24	+/-20.00	I	0.16	20.00	6020	11/25/2015	21:45	112515B
	Arsenic	0.42	+/-5.00	U	0.42	5.00	6020	11/25/2015	21:45	112515B
	Barium	0.42	+/-20.00	U	0.42	20.00	6020	11/25/2015	21:45	112515B
	Beryllium	0.032	+/-10.000	U	0.032	10.000	6020	11/25/2015	21:45	112515B
	Cadmium	0.09	+/-1.00	U	0.09	1.00	6020	11/25/2015	21:45	112515B
	Chromium	0.18	+/-20.00	U	0.18	20.00	6020	11/25/2015	21:45	112515B
	Cobalt	0.03	+/-10.00	U	0.03	10.00	6020	11/25/2015	21:45	112515B
	Copper	0.22	+/-20.00	U	0.22	20.00	6020	11/25/2015	21:45	112515B
	Lead	0.12	+/-10.00	U	0.12	10.00	6020	11/25/2015	21:45	112515B
	Manganese	0.12	+/-50.00	U	0.12	50.00	6020	11/25/2015	21:45	112515B
	Nickel	0.47	+/-20.00	U	0.47	20.00	6020	11/25/2015	21:45	112515B
	Selenium	1.10	+/-50.00	U	1.10	50.00	6020	11/25/2015	21:45	112515B
	Silver	0.06	+/-5.00	U	0.06	5.00	6020	11/25/2015	21:45	112515B
	Thallium	0.05	+/-1.00	U	0.05	1.00	6020	11/25/2015	21:45	112515B
	Vanadium	0.39	+/-50.00	I	0.23	50.00	6020	11/25/2015	21:45	112515B
	Zinc	1.60	+/-100.00	U	1.60	100.00	6020	11/25/2015	21:45	112515B
CCB-2										
	Aluminum	3.98	+/-500.00	I	2.60	500.00	6020	11/25/2015	22:50	112515B
	Antimony	0.19	+/-20.00	I	0.16	20.00	6020	11/25/2015	22:50	112515B
	Arsenic	0.42	+/-5.00	U	0.42	5.00	6020	11/25/2015	22:50	112515B
	Barium	0.42	+/-20.00	U	0.42	20.00	6020	11/25/2015	22:50	112515B
	Beryllium	0.032	+/-10.000	U	0.032	10.000	6020	11/25/2015	22:50	112515B
	Cadmium	0.09	+/-1.00	U	0.09	1.00	6020	11/25/2015	22:50	112515B
	Chromium	0.18	+/-20.00	U	0.18	20.00	6020	11/25/2015	22:50	112515B
	Cobalt	0.03	+/-10.00	U	0.03	10.00	6020	11/25/2015	22:50	112515B
	Copper	0.22	+/-20.00	U	0.22	20.00	6020	11/25/2015	22:50	112515B
	Lead	0.12	+/-10.00	U	0.12	10.00	6020	11/25/2015	22:50	112515B
	Manganese	0.12	+/-50.00	U	0.12	50.00	6020	11/25/2015	22:50	112515B
	Nickel	0.47	+/-20.00	U	0.47	20.00	6020	11/25/2015	22:50	112515B
	Selenium	1.10	+/-50.00	U	1.10	50.00	6020	11/25/2015	22:50	112515B
	Silver	0.06	+/-5.00	U	0.06	5.00	6020	11/25/2015	22:50	112515B
	Thallium	0.05	+/-1.00	U	0.05	1.00	6020	11/25/2015	22:50	112515B
	Vanadium	0.29	+/-50.00	I	0.23	50.00	6020	11/25/2015	22:50	112515B
	Zinc	1.60	+/-100.00	U	1.60	100.00	6020	11/25/2015	22:50	112515B

Total Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Beazer East, Inc. SDG No.: J1509207

Contract: Lab Code: ALJCK Case No.: SAS No.:

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	MDL	MRL	Method	Analysis Date	Analysis Time	Run
CCB-3										
	Aluminum	9.15	+/-500.00	I	2.60	500.00	6020	11/25/2015	23:33	112515B
	Antimony	0.24	+/-20.00	I	0.16	20.00	6020	11/25/2015	23:33	112515B
	Arsenic	0.42	+/-5.00	U	0.42	5.00	6020	11/25/2015	23:33	112515B
	Barium	0.42	+/-20.00	U	0.42	20.00	6020	11/25/2015	23:33	112515B
	Beryllium	0.032	+/-10.000	U	0.032	10.000	6020	11/25/2015	23:33	112515B
	Cadmium	0.09	+/-1.00	U	0.09	1.00	6020	11/25/2015	23:33	112515B
	Chromium	0.18	+/-20.00	U	0.18	20.00	6020	11/25/2015	23:33	112515B
	Cobalt	0.06	+/-10.00	I	0.03	10.00	6020	11/25/2015	23:33	112515B
	Copper	0.22	+/-20.00	U	0.22	20.00	6020	11/25/2015	23:33	112515B
	Lead	0.12	+/-10.00	U	0.12	10.00	6020	11/25/2015	23:33	112515B
	Manganese	0.14	+/-50.00	I	0.12	50.00	6020	11/25/2015	23:33	112515B
	Nickel	0.47	+/-20.00	U	0.47	20.00	6020	11/25/2015	23:33	112515B
	Selenium	1.10	+/-50.00	U	1.10	50.00	6020	11/25/2015	23:33	112515B
	Silver	0.06	+/-5.00	U	0.06	5.00	6020	11/25/2015	23:33	112515B
	Thallium	0.05	+/-1.00	U	0.05	1.00	6020	11/25/2015	23:33	112515B
	Vanadium	0.23	+/-50.00	U	0.23	50.00	6020	11/25/2015	23:33	112515B
	Zinc	1.60	+/-100.00	U	1.60	100.00	6020	11/25/2015	23:33	112515B

Total Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Beazer East, Inc. SDG No.: J1509207

Contract: Lab Code: ALICK Case No.: SAS No.:

Sample ID	Analyte	Result (mg/Kg)	Conc Qual	Q	Acceptance Limit	MDL	MRL	Method	Analysis Date	Analysis Time	Run
MB-09135-04			SOIL								
	Mercury	0.0011	I		+/-0.0007	0.0007	0.0067	7471B	11/24/2015	11:15	112415A JA
MB-09053-02			SOIL								
	Aluminum	3	U		+/-3	3	25	6020	11/25/2015	21:51	112515B
	Antimony	0.35	U		+/-0.35	0.35	0.50	6020	11/25/2015	21:51	112515B
	Arsenic	0.27	U		+/-0.27	0.27	0.50	6020	11/25/2015	21:51	112515B
	Barium	0.20	U		+/-0.20	0.20	1.00	6020	11/25/2015	21:51	112515B
	Beryllium	0.072	U		+/-0.072	0.072	0.500	6020	11/25/2015	21:51	112515B
	Cadmium	0.07	U		+/-0.07	0.07	0.20	6020	11/25/2015	21:51	112515B
	Calcium	5.49			+/-1.04	1.04	5.00	6010B	11/23/2015	15:56	112315A1
	Chromium	0.33	I		+/-0.14	0.14	0.50	6020	11/25/2015	21:51	112515B
	Cobalt	0.02	U		+/-0.02	0.02	0.50	6020	11/25/2015	21:51	112515B
	Copper	0.11	U		+/-0.11	0.11	1.00	6020	11/25/2015	21:51	112515B
	Iron	1.17	I		+/-0.58	0.58	5.00	6010B	11/21/2015	01:38	112015B1
	Lead	0.04	U		+/-0.04	0.04	0.25	6020	11/25/2015	21:51	112515B
	Magnesium	0.6	U		+/-0.6	0.6	5.0	6010B	11/21/2015	01:38	112015B1
	Manganese	0.20	U		+/-0.20	0.20	1.00	6020	11/25/2015	21:51	112515B
	Nickel	0.22	U		+/-0.22	0.22	1.00	6020	11/25/2015	21:51	112515B
	Potassium	23	I		+/-4	4	100	6010B	11/21/2015	01:38	112015B1
	Selenium	0.42	U		+/-0.42	0.42	1.00	6020	11/25/2015	21:51	112515B
	Sodium	2.2	I		+/-1.7	1.7	25.0	6010B	11/21/2015	01:38	112015B1
	Silver	0.02	U		+/-0.02	0.02	0.25	6020	11/25/2015	21:51	112515B
	Thallium	0.01	U		+/-0.01	0.01	0.50	6020	11/25/2015	21:51	112515B
	Vanadium	0.87	U		+/-0.87	0.87	1.00	6020	11/25/2015	21:51	112515B
	Zinc	1.50	U		+/-1.50	1.50	5.00	6020	11/25/2015	21:51	112515B

Total Metals
- 4 -
INTERFERENCE CHECK SAMPLE

Client: Beazer East, Inc. SDG No.: J1509207

Contract: Lab Code: ALJCK Case No.: SAS No.:

ICS Source: Instrument ID: PE Optima ICP

Sample ID	Analyte	Result mg/L	True Value mg/L	% Recovery	Acceptance Window	Method	Analysis Date	Analysis Time	Run Number
ICSA									
	Iron	643.000	750.000	86	80 - 120%	6010B	11/20/2015	18:51	112015B1
	Magnesium	664.000	750.000	89	80 - 120%	6010B	11/20/2015	18:51	112015B1
	Potassium	0.040			-4,000.000 to 4.0	6010B	11/20/2015	18:51	112015B1
	Sodium	0.006			-1,000.000 to 1.0	6010B	11/20/2015	18:51	112015B1
ICSAB									
	Iron	647.000	752.000	86	80 - 120%	6010B	11/20/2015	19:00	112015B1
	Magnesium	669.000	752.000	89	80 - 120%	6010B	11/20/2015	19:00	112015B1
	Potassium	44.100	40.000	110	80 - 120%	6010B	11/20/2015	19:00	112015B1
	Sodium	10.700	10.000	107	80 - 120%	6010B	11/20/2015	19:00	112015B1
ICSA									
	Iron	645.000	750.000	86	80 - 120%	6010B	11/21/2015	05:11	112015B1
	Magnesium	667.000	750.000	89	80 - 120%	6010B	11/21/2015	05:11	112015B1
	Potassium	0.139			-4,000.000 to 4.0	6010B	11/21/2015	05:11	112015B1
	Sodium	0.016			-1,000.000 to 1.0	6010B	11/21/2015	05:11	112015B1
ICSAB									
	Iron	649.000	752.000	86	80 - 120%	6010B	11/21/2015	05:20	112015B1
	Magnesium	671.000	752.000	89	80 - 120%	6010B	11/21/2015	05:20	112015B1
	Potassium	43.000	40.000	108	80 - 120%	6010B	11/21/2015	05:20	112015B1
	Sodium	10.600	10.000	106	80 - 120%	6010B	11/21/2015	05:20	112015B1
ICSA									
	Iron	664.000	750.000	89	80 - 120%	6010B	11/21/2015	15:05	112015B1
	Magnesium	688.000	750.000	92	80 - 120%	6010B	11/21/2015	15:05	112015B1
	Potassium	0.122			-4,000.000 to 4.0	6010B	11/21/2015	15:05	112015B1
	Sodium	0.025			-1,000.000 to 1.0	6010B	11/21/2015	15:05	112015B1
ICSAB									
	Iron	652.000	752.000	87	80 - 120%	6010B	11/21/2015	15:13	112015B1
	Magnesium	677.000	752.000	90	80 - 120%	6010B	11/21/2015	15:13	112015B1
	Potassium	43.600	40.000	109	80 - 120%	6010B	11/21/2015	15:13	112015B1
	Sodium	10.700	10.000	107	80 - 120%	6010B	11/21/2015	15:13	112015B1

Total Metals
- 4 -
INTERFERENCE CHECK SAMPLE

Client: Beazer East, Inc. SDG No.: J1509207

Contract: Lab Code: ALJCK Case No.: SAS No.:

ICS Source: Instrument ID: PE Optima ICP

Sample ID	Analyte	Result mg/L	True Value mg/L	% Recovery	Acceptance Window	Method	Analysis Date	Analysis Time	Run Number
ICSA									
	Iron	639.000	750.000	85	80 - 120%	6010B	11/21/2015	17:07	112015B1
	Magnesium	662.000	750.000	88	80 - 120%	6010B	11/21/2015	17:07	112015B1
	Potassium	0.067			-4,000.000 to 4.0	6010B	11/21/2015	17:07	112015B1
	Sodium	0.012			-1,000.000 to 1.0	6010B	11/21/2015	17:07	112015B1
ICSAB									
	Iron	640.000	752.000	85	80 - 120%	6010B	11/21/2015	17:16	112015B1
	Magnesium	662.000	752.000	88	80 - 120%	6010B	11/21/2015	17:16	112015B1
	Potassium	43.200	40.000	108	80 - 120%	6010B	11/21/2015	17:16	112015B1
	Sodium	10.600	10.000	106	80 - 120%	6010B	11/21/2015	17:16	112015B1
ICSA									
	Calcium	687.000	750.000	92	80 - 120%	6010B	11/23/2015	14:01	112315A1
ICSAB									
	Calcium	689.000	752.000	92	80 - 120%	6010B	11/23/2015	14:10	112315A1
ICSA									
	Calcium	731.000	750.000	97	80 - 120%	6010B	11/24/2015	02:10	112315A1
ICSAB									
	Calcium	718.000	752.000	95	80 - 120%	6010B	11/24/2015	02:19	112315A1
ICSA									
	Calcium	707.000	750.000	94	80 - 120%	6010B	11/24/2015	04:11	112315A1
ICSAB									
	Calcium	713.000	752.000	95	80 - 120%	6010B	11/24/2015	04:20	112315A1

Total Metals
- 4 -
INTERFERENCE CHECK SAMPLE

Client: Beazer East, Inc. SDG No.: J1509207

Contract: Lab Code: ALJCK Case No.: SAS No.:

ICS Source: Inorganic Ventures Instrument ID: ICP-MS

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Acceptance Window	Method	Analysis Date	Analysis Time	Run Number
ICSA									
	Aluminum	50000.00	50000.0	100	80 - 120%	6020	11/25/2015	21:29	112515B
	Antimony	0.20			-2.00 to 2.00	6020	11/25/2015	21:29	112515B
	Arsenic	-0.90			-2.00 to 2.00	6020	11/25/2015	21:29	112515B
	Barium	0.03			-4.00 to 4.00	6020	11/25/2015	21:29	112515B
	Beryllium	0.01			-1.00 to 1.00	6020	11/25/2015	21:29	112515B
	Cadmium	0.09			-0.80 to 0.80	6020	11/25/2015	21:29	112515B
	Chromium	1.00			-2.00 to 2.00	6020	11/25/2015	21:29	112515B
	Cobalt	0.06			-2.00 to 2.00	6020	11/25/2015	21:29	112515B
	Copper	0.80			-2.00 to 2.00	6020	11/25/2015	21:29	112515B
	Lead	0.10			-1.00 to 2.00	6020	11/25/2015	21:29	112515B
	Manganese	0.20			-4.00 to 4.00	6020	11/25/2015	21:29	112515B
	Nickel	0.40			-4.00 to 4.00	6020	11/25/2015	21:29	112515B
	Selenium	-0.01			-4.00 to 4.00	6020	11/25/2015	21:29	112515B
	Silver	-0.07			-1.00 to 1.00	6020	11/25/2015	21:29	112515B
	Thallium	0.00			-0.40 to 0.40	6020	11/25/2015	21:29	112515B
	Vanadium	0.40			-4.00 to 4.00	6020	11/25/2015	21:29	112515B
	Zinc	1.00			-10.00 to 10.00	6020	11/25/2015	21:29	112515B

Total Metals
- 4 -
INTERFERENCE CHECK SAMPLE

Client: Beazer East, Inc. SDG No.: J1509207

Contract: Lab Code: ALJCK Case No.: SAS No.:

ICS Source: Inorganic Ventures Instrument ID: ICP-MS

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Acceptance Window	Method	Analysis Date	Analysis Time	Run Number
ICSAB									
	Aluminum	52400.0	50000.0	105	80 - 120%	6020	11/25/2015	21:34	112515B
	Antimony	21.6	20.0	108	80 - 120%	6020	11/25/2015	21:34	112515B
	Arsenic	21.0	20.0	105	80 - 120%	6020	11/25/2015	21:34	112515B
	Barium	41.2	40.0	103	80 - 120%	6020	11/25/2015	21:34	112515B
	Beryllium	10.2	10.0	102	80 - 120%	6020	11/25/2015	21:34	112515B
	Cadmium	7.8	8.0	98	80 - 120%	6020	11/25/2015	21:34	112515B
	Chromium	21.5	20.0	108	80 - 120%	6020	11/25/2015	21:34	112515B
	Cobalt	20.2	20.0	101	80 - 120%	6020	11/25/2015	21:34	112515B
	Copper	19.8	20.0	99	80 - 120%	6020	11/25/2015	21:34	112515B
	Lead	9.8	10.0	98	80 - 120%	6020	11/25/2015	21:34	112515B
	Manganese	40.5	40.0	101	80 - 120%	6020	11/25/2015	21:34	112515B
	Nickel	40.2	40.0	100	80 - 120%	6020	11/25/2015	21:34	112515B
	Selenium	41.8	40.0	104	80 - 120%	6020	11/25/2015	21:34	112515B
	Silver	9.3	10.0	93	80 - 120%	6020	11/25/2015	21:34	112515B
	Thallium	4.0	4.0	100	80 - 120%	6020	11/25/2015	21:34	112515B
	Vanadium	42.7	40.0	107	80 - 120%	6020	11/25/2015	21:34	112515B
	Zinc	96.2	100.0	96	80 - 120%	6020	11/25/2015	21:34	112515B

Total Metals
- 5a -
MATRIX SPIKE SUMMARY

Client: Beazer East, Inc. Level: LOW SDG No.: J1509207

Contract: Lab Code: ALJCK Case No.: SAS No.:

Matrix: SOIL Sample ID: J1509207-005 Client ID: SOPILE 3-3S

Percent Solids for Sample: 92.00 Spiked ID: J1509207-005S Percent Solids for Spike Sample: 92.00

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	Method
Aluminum	mg/Kg	75 - 125	10600		9550		219	479		6020
Antimony	mg/Kg	75 - 125	19.2		0.3	U	22	87		6020
Arsenic	mg/Kg	75 - 125	21.20		0.93		22	92		6020
Barium	mg/Kg	75 - 125	66.1		45.8		22	92		6020
Beryllium	mg/Kg	75 - 125	8.63		0.36		9	92		6020
Cadmium	mg/Kg	75 - 125	10.60		0.20		11	95		6020
Calcium	mg/Kg	75 - 125	51300.0		60700.0		219	-4292		6010B
Chromium	mg/Kg	75 - 125	44.6		27.1		22	80		6020
Cobalt	mg/Kg	75 - 125	20.9		0.8		22	91		6020
Copper	mg/Kg	75 - 125	22.3		3.1		22	87		6020
Iron	mg/Kg	75 - 125	3300.0		4000.0		219	-320		6010B
Lead	mg/Kg	75 - 125	42.0		22.3		22	90		6020
Magnesium	mg/Kg	75 - 125	1180.0		1020.0		219	73		6010B
Manganese	mg/Kg	75 - 125	44.5		31.9		22	57	J	6020
Nickel	mg/Kg	75 - 125	24.7		4.9		22	90		6020
Potassium	mg/Kg	75 - 125	4740		262		4380	102		6010B
Selenium	mg/Kg	75 - 125	19.20		0.37	U	22	87		6020
Sodium	mg/Kg	75 - 125	1140.0		50.5		1100.0	99		6010B
Silver	mg/Kg	75 - 125	20.00		0.02	U	21.9	91		6020
Thallium	mg/Kg	75 - 125	20.80		0.05		22	94		6020
Vanadium	mg/Kg	75 - 125	56.1		14.4		44	95		6020
Zinc	mg/Kg	75 - 125	49.9		14.5		44	80		6020

Total Metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

Client: Beazer East, Inc. Level: LOW SDG No.: J1509207

Contract: Lab Code: ALJCK Case No.: SAS No.:

Matrix: SOIL Sample ID: J1509207-005 Client ID: SOPILE 3-3SD

Percent Solids for Sample: 92.00 Spiked ID: J1509207-005SD Percent Solids for Spike Sample: 92.00

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	Method
Aluminum	mg/Kg	75 - 125	10600		9550		223	471		6020
Antimony	mg/Kg	75 - 125	20.1		0.3	U	22	91		6020
Arsenic	mg/Kg	75 - 125	22.10		0.93		22	96		6020
Barium	mg/Kg	75 - 125	63.8		45.8		22	82		6020
Beryllium	mg/Kg	75 - 125	9.00		0.36		9	96		6020
Cadmium	mg/Kg	75 - 125	11.00		0.20		11	98		6020
Calcium	mg/Kg	75 - 125	45200.0		60700.0		223	-6951		6010B
Chromium	mg/Kg	75 - 125	49.7		27.1		22	103		6020
Cobalt	mg/Kg	75 - 125	21.7		0.8		22	95		6020
Copper	mg/Kg	75 - 125	24.2		3.1		22	96		6020
Iron	mg/Kg	75 - 125	4520.0		4000.0		223	233		6010B
Lead	mg/Kg	75 - 125	44.2		22.3		22	100		6020
Magnesium	mg/Kg	75 - 125	1320.0		1020.0		223	135		6010B
Manganese	mg/Kg	75 - 125	46.0		31.9		22	64	J	6020
Nickel	mg/Kg	75 - 125	25.6		4.9		22	94		6020
Potassium	mg/Kg	75 - 125	4860		262		4460	103		6010B
Selenium	mg/Kg	75 - 125	19.80		0.37	U	22	90		6020
Sodium	mg/Kg	75 - 125	1180.0		50.5		1110.0	102		6010B
Silver	mg/Kg	75 - 125	20.80		0.02	U	22.3	93		6020
Thallium	mg/Kg	75 - 125	21.70		0.05		22	98		6020
Vanadium	mg/Kg	75 - 125	63.7		14.4		45	110		6020
Zinc	mg/Kg	75 - 125	52.9		14.5		45	85		6020

Total Metals
- 5b -
POST DIGEST SPIKE SUMMARY

Client: Beazer East, Inc. SDG No.: J1509207

Contract: Lab Code: ALJCK Case No.: SAS No.:

Matrix: SOIL Level: LOW Client ID: SOPILE 3-3A

Sample ID: J1509207-005 Spiked ID: J1509207-005A

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	Method
Aluminum	ug/L	75 - 125	235000.000		214000.000		25000	84		6020
Antimony	ug/L	75 - 125	479.000		2.090		500	95		6020
Arsenic	ug/L	75 - 125	472.000		20.800		500	90		6020
Barium	ug/L	75 - 125	1960.000		1030.000		1000	93		6020
Beryllium	ug/L	75 - 125	237.000		8.110		250	92		6020
Cadmium	ug/L	75 - 125	187.000		4.510		200	91		6020
Calcium	mg/L	75 - 125	1350.0000		1360.0000		5.0	-200		6010B
Chromium	ug/L	75 - 125	1060.000		608.000		500	90		6020
Cobalt	ug/L	75 - 125	475.000		17.800		500	91		6020
Copper	ug/L	75 - 125	497.000		70.700		500	85		6020
Iron	mg/L	75 - 125	96.1000		89.7000		5.00	128		6010B
Lead	ug/L	75 - 125	714.000		501.000		250	85		6020
Magnesium	mg/L	75 - 125	28.1000		23.0000		5.0	102		6010B
Manganese	ug/L	75 - 125	1610.000		717.000		1000	89		6020
Nickel	ug/L	75 - 125	1010.000		110.000		1000	90		6020
Potassium	mg/L	75 - 125	120.0000		5.8800		100.00	114		6010B
Selenium	ug/L	75 - 125	843.000		11.000	U	1000	84		6020
Sodium	mg/L	75 - 125	29.3000		1.1300		25.00	113		6010B
Silver	ug/L	75 - 125	218.000		0.560	U	250	87		6020
Thallium	ug/L	75 - 125	95.200		1.210		100	94		6020
Vanadium	ug/L	75 - 125	1250.000		324.000		1000	93		6020
Zinc	ug/L	75 - 125	2310.000		326.000		2500	79		6020

Total Metals
- 6 -
DUPLICATE SAMPLE SUMMARY

Client: Beazer East, Inc. Level: LOW SDG No.: J1509207

Contract: Lab Code: ALICK Case No.: SAS No.:

Matrix: SOIL Sample ID: J1509207-005S Client ID: SOPILE 3-3SD

Percent Solids for Sample: 92.00 Duplicate ID: J1509207-005SD Percent Solids for Duplicate: 92.00

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	Method
Aluminum	mg/Kg	0 - 30	10600		10600		0		6020
Antimony	mg/Kg	0 - 30	19.2		20.1		5		6020
Arsenic	mg/Kg	0 - 30	21.20		22.10		4		6020
Barium	mg/Kg	0 - 30	66.1		63.8		4		6020
Beryllium	mg/Kg	0 - 30	8.63		9.00		4		6020
Cadmium	mg/Kg	0 - 30	10.60		11.00		4		6020
Calcium	mg/Kg	0 - 20	51300.0		45200.0		13		6010B
Chromium	mg/Kg	0 - 30	44.6		49.7		11		6020
Cobalt	mg/Kg	0 - 30	20.9		21.7		4		6020
Copper	mg/Kg	0 - 30	22.3		24.2		8		6020
Iron	mg/Kg	0 - 20	3300.0		4520.0		31	*	6010B
Lead	mg/Kg	0 - 30	42.0		44.2		5		6020
Magnesium	mg/Kg	0 - 20	1180.0		1320.0		11		6010B
Manganese	mg/Kg	0 - 30	44.5		46.0		3		6020
Nickel	mg/Kg	0 - 30	24.7		25.6		4		6020
Potassium	mg/Kg	0 - 20	4740		4860		2		6010B
Selenium	mg/Kg	0 - 30	19.20		19.80		3		6020
Sodium	mg/Kg	0 - 20	1140.0		1180.0		3		6010B
Silver	mg/Kg	0 - 30	20.00		20.80		4		6020
Thallium	mg/Kg	0 - 30	20.80		21.70		4		6020
Vanadium	mg/Kg	0 - 30	56.1		63.7		13		6020
Zinc	mg/Kg	0 - 30	49.9		52.9		6		6020

Total Metals
- 7 -
LABORATORY CONTROL SAMPLE SUMMARY

Client: Beazer East, Inc. SDG No.: J1509207

Contract: Lab Code: ALJCK Case No.: SAS No.:

Aqueous LCS Source: Solid LCS Source: Inorganic Ventures

Sample ID	Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	Method
LCS-09053-01								
	Aluminum	mg/Kg	250	262.0		105	80.0 - 120.0	6020
	Antimony	mg/Kg	25	26.8		107	80.0 - 120.0	6020
	Arsenic	mg/Kg	25	25.7		103	80.0 - 120.0	6020
	Barium	mg/Kg	25	26		104	80.0 - 120.0	6020
	Beryllium	mg/Kg	10	9.4		94	80.0 - 120.0	6020
	Cadmium	mg/Kg	13	12.9		103	80.0 - 120.0	6020
	Calcium	mg/Kg	250	252		101	80.0 - 120.0	6010B
	Chromium	mg/Kg	25	26.2		105	80.0 - 120.0	6020
	Cobalt	mg/Kg	25	25.5		102	80.0 - 120.0	6020
	Copper	mg/Kg	25	25.0		100	80.0 - 120.0	6020
	Iron	mg/Kg	250	252		101	80.0 - 120.0	6010B
	Lead	mg/Kg	25	25		100	80.0 - 120.0	6020
	Magnesium	mg/Kg	250	249		100	80.0 - 120.0	6010B
	Manganese	mg/Kg	25	25.5		102	80.0 - 120.0	6020
	Nickel	mg/Kg	25	26.7		107	80.0 - 120.0	6020
	Potassium	mg/Kg	5000	4880		98	80.0 - 120.0	6010B
	Selenium	mg/Kg	25	23.8		95	80.0 - 120.0	6020
	Sodium	mg/Kg	1250	1220		98	80.0 - 120.0	6010B
	Silver	mg/Kg	25	25.5		102	80.0 - 120.0	6020
	Thallium	mg/Kg	25	24.4		98	80.0 - 120.0	6020
	Vanadium	mg/Kg	50	50.4		101	80.0 - 120.0	6020
	Zinc	mg/Kg	50	47.2		94	80.0 - 120.0	6020

Total Metals

- 7 -

LABORATORY CONTROL SAMPLE SUMMARY

Client: Beazer East, Inc. SDG No.: J1509207

Contract: Lab Code: ALICK Case No.: SAS No.:

Aqueous LCS Source: Solid LCS Source: Inorganic Ventures

Sample ID	Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	Method
LCS-09135-03								
	Mercury	mg/Kg	0.0833	0.091		109	80.0 - 120.0	7471B

Total Metals

- 9 -

SERIAL DILUTION SAMPLE SUMMARY

Client: Beazer East, Inc. SDG No.: J1509207

Contract: Lab Code: ALJCK Case No.: SAS No.:

Matrix: WATER Level: LOW Client ID: SOPILE 3-3L

Sample ID: J1509207-005 Serial Dilution ID: J1509207-005L

Analyte	Initial Result ug/L	C	Serial Result ug/L	C	% Difference	Qual	Acceptance Limits	Method
Aluminum	214400.000		220750.000		3.0		10.00 %	6020
Antimony	2.090		0.160	U	100.0		10.00 %	6020
Arsenic	20.790		24.100	I	15.9		10.00 %	6020
Barium	1028.000		1028.500		0.0		10.00 %	6020
Beryllium	8.110		8.250	I	1.7		10.00 %	6020
Cadmium	4.510		5.500	I	22.0		10.00 %	6020
Calcium	1362.0000		1447.0000		6.2		10.00 %	6010B
Chromium	608.100		630.000	I	3.6		10.00 %	6020
Cobalt	17.850		19.850	I	11.2		10.00 %	6020
Copper	70.660		73.950	I	4.7		10.00 %	6020
Iron	89.7200		95.7000		6.7		10.00 %	6010B
Lead	501.300		518.000		3.3		10.00 %	6020
Magnesium	22.9900		24.4800		6.5		10.00 %	6010B
Manganese	716.800		762.000	I	6.3		10.00 %	6020
Nickel	109.500		124.950	I	14.1		10.00 %	6020
Potassium	5.8780		5.5150	I	6.2		10.00 %	6010B
Selenium	1.100	U	1.100	U			10.00 %	6020
Sodium	1.1330		1.0640	I	6.1		10.00 %	6010B
Silver	0.056	U	0.056	U			10.00 %	6020
Thallium	1.210		5.700	I	371.1		10.00 %	6020
Vanadium	324.000		342.950	I	5.8		10.00 %	6020
Zinc	326.200		424.750	I	30.2		10.00 %	6020

Total Metals
- 13 -
SAMPLE PREPARATION SUMMARY

Client: Beazer East, Inc.

SDG No.: J1509207

Contract: Lab Code: ALJCK

Method: P

Case No.: SAS No.:

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number:	250379						
MB-09053-02	MB-09053-02	MB	SOIL	11/20/15	1.00	50.0	100.00
LCS-09053-01	LCS-09053-01	LCS	SOIL	11/20/15	1.00	50.0	100.00
J1509207-002	SOPILE 3-2	SAM	SOIL	11/20/15	1.35	50.0	92.00
J1509207-005	SOPILE 3-3	SAM	SOIL	11/20/15	1.22	50.0	92.00
J1509207-005S	SOPILE 3-3S	MS	SOIL	11/20/15	1.24	50.0	92.00
J1509207-005SD	SOPILE 3-3SD	MSD	SOIL	11/20/15	1.22	50.0	92.00
MB-09053-02	MB-09053-02 10x	MB	SOIL	11/20/15	1.00	50.0	100.00
LCS-09053-01	LCS-09053-01 10x	LCS	SOIL	11/20/15	1.00	50.0	100.00
J1509207-002	SOPILE 3-2	SAM	SOIL	11/20/15	1.35	50.0	92.00
J1509207-005	SOPILE 3-3	SAM	SOIL	11/20/15	1.22	50.0	92.00
J1509207-005S	SOPILE 3-3S	MS	SOIL	11/20/15	1.24	50.0	92.00
J1509207-005SD	SOPILE 3-3SD	MSD	SOIL	11/20/15	1.22	50.0	92.00

Total Metals
- 13 -
SAMPLE PREPARATION SUMMARY

Client: Beazer East, Inc.

SDG No.: J1509207

Contract: _____ Lab Code: ALJCK

Method: CV

Case No.: _____ SAS No.: _____

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number:	250618						
MB-09135-04	MB-09135-04	MB	SOIL	11/23/15	0.60	40.0	100.00
LCS-09135-03	LCS-09135-03	LCS	SOIL	11/23/15	0.60	40.0	100.00
J1509207-002	SOPILE 3-2	SAM	SOIL	11/23/15	0.55	40.0	100.00
J1509207-005	SOPILE 3-3	SAM	SOIL	11/23/15	0.56	40.0	100.00

Total Metals
14
ANALYSIS RUN LOG

Client: Beazer East, Inc. Contract:

Lab Code: ALJCK Case No.: SAS No.: SDG No.: J1509207

Instrument ID Number: PE Optima ICP Method: P Run Number: 112015B1

Start Date: 11/20/2015 End Date: 11/21/2015

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
CALIB BLANK	1.00	1807												X		X				X			X				
CALIB STD 1	1.00	1812												X		X				X			X				
CALIB STD 2	1.00	1817												X		X				X			X				
CALIB STD 3	1.00	1822												X		X				X			X				
CALIB STD 4	1.00	1826												X		X				X			X				
ICV	1.00	1830												X		X				X			X				
ICB	1.00	1835												X		X				X			X				
ZZZZZZ	1.00	1840																									
MRL	1.00	1846												X		X				X			X				
ICSA	1.00	1851												X		X				X			X				
ICSAB	1.00	1900												X		X				X			X				
CCV	1.00	1909												X		X				X			X				
CCB	1.00	1914												X		X				X			X				
ZZZZZZ	1.00	1920																									
ZZZZZZ	1.00	1925																									
ZZZZZZ	1.00	1929																									
ZZZZZZ	1.00	1934																									
ZZZZZZ	1.00	1939																									
ZZZZZZ	1.00	1943																									
ZZZZZZ	1.00	1949																									
ZZZZZZ	1.00	1953																									
ZZZZZZ	1.00	1959																									
ZZZZZZ	1.00	2004																									
CCV	1.00	2008												X		X				X			X				
CCB	1.00	2014												X		X				X			X				
ZZZZZZ	1.00	2019																									
ZZZZZZ	5.00	2024																									
ZZZZZZ	1.00	2029																									
ZZZZZZ	1.00	2033																									
ZZZZZZ	1.00	2039																									
ZZZZZZ	1.00	2044																									
ZZZZZZ	1.00	2049																									
ZZZZZZ	1.00	2055																									
ZZZZZZ	1.00	2100																									
ZZZZZZ	1.00	2105																									
CCV	1.00	2110												X		X				X			X				

Total Metals

14

ANALYSIS RUN LOG

Client: Beazer East, Inc. Contract:

Lab Code: ALJCK Case No.: SAS No.: SDG No.: J1509207

Instrument ID Number: PE Optima ICP Method: P Run Number: 112015B1

Start Date: 11/20/2015 End Date: 11/21/2015

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
CCB	1.00	2115												X		X				X			X				
ZZZZZZ	1.00	2120																									
ZZZZZZ	1.00	2125																									
ZZZZZZ	1.00	2130																									
ZZZZZZ	1.00	2135																									
ZZZZZZ	1.00	2140																									
ZZZZZZ	1.00	2144																									
ZZZZZZ	1.00	2149																									
ZZZZZZ	1.00	2154																									
ZZZZZZ	5.00	2159																									
ZZZZZZ	1.00	2204																									
CCV	1.00	2209												X		X				X			X				
CCB	1.00	2214												X		X				X			X				
ZZZZZZ	1.00	2219																									
ZZZZZZ	1.00	2223																									
ZZZZZZ	1.00	2228																									
ZZZZZZ	1.00	2233																									
ZZZZZZ	1.00	2237																									
ZZZZZZ	1.00	2242																									
ZZZZZZ	1.00	2247																									
ZZZZZZ	1.00	2251																									
ZZZZZZ	1.00	2256																									
ZZZZZZ	1.00	2301																									
CCV	1.00	2306												X		X				X			X				
CCB	1.00	2311												X		X				X			X				
ZZZZZZ	1.00	2317																									
ZZZZZZ	1.00	2322																									
ZZZZZZ	1.00	2327																									
ZZZZZZ	1.00	2331																									
ZZZZZZ	1.00	2336																									
ZZZZZZ	1.00	2341																									
ZZZZZZ	1.00	2345																									
ZZZZZZ	1.00	2349																									
ZZZZZZ	1.00	2354																									
ZZZZZZ	1.00	2358																									
ZZZZZZ	1.00	0001																									

Total Metals

14

ANALYSIS RUN LOG

Client: Beazer East, Inc. Contract:

Lab Code: ALJCK Case No.: SAS No.: SDG No.: J1509207

Instrument ID Number: PE Optima ICP Method: P Run Number: 112015B1

Start Date: 11/20/2015 End Date: 11/21/2015

EPA Sample No.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
CCV	1.00	0002												X		X				X			X				
ZZZZZZ	1.00	0006																									
CCB	1.00	0008												X		X				X			X				
ZZZZZZ	1.00	0010																									
ZZZZZZ	1.00	0013																									
CCV	1.00	0015												X		X				X			X				
ZZZZZZ	1.00	0017																									
CCB	1.00	0020												X		X				X			X				
ZZZZZZ	1.00	0022																									
ZZZZZZ	1.00	0026																									
ZZZZZZ	1.00	0027																									
ZZZZZZ	1.00	0031																									
ZZZZZZ	5.00	0031																									
ZZZZZZ	1.00	0036																									
ZZZZZZ	1.00	0036																									
ZZZZZZ	1.00	0040																									
ZZZZZZ	1.00	0040																									
ZZZZZZ	1.00	0045																									
ZZZZZZ	1.00	0045																									
ZZZZZZ	5.00	0050																									
ZZZZZZ	1.00	0050																									
ZZZZZZ	1.00	0054																									
ZZZZZZ	1.00	0055																									
ZZZZZZ	1.00	0059																									
CCV	1.00	0059												X		X				X			X				
CCB	1.00	0105												X		X				X			X				
ZZZZZZ	1.00	0110																									
ZZZZZZ	1.00	0114																									
ZZZZZZ	1.00	0119																									
ZZZZZZ	1.00	0124																									
ZZZZZZ	1.00	0128																									
ZZZZZZ	1.00	0133																									
MB-09053-02	1.00	0138												X		X				X			X				
LCS-09053-01	1.00	0143												X		X				X			X				
ZZZZZZ	1.00	0148																									
ZZZZZZ	1.00	0153																									

Total Metals
14
ANALYSIS RUN LOG

Client: Beazer East, Inc. Contract:

Lab Code: ALJCK Case No.: SAS No.: SDG No.: J1509207

Instrument ID Number: PE Optima ICP Method: P Run Number: 112015B1

Start Date: 11/20/2015 End Date: 11/21/2015

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
CCV	1.00	0157												X		X				X			X				
CCB	1.00	0203												X		X				X			X				
ZZZZZZ	1.00	0208																									
ZZZZZZ	1.00	0212																									
ZZZZZZ	1.00	0217																									
ZZZZZZ	1.00	0222																									
ZZZZZZ	1.00	0226																									
ZZZZZZ	1.00	0231																									
ZZZZZZ	1.00	0236																									
ZZZZZZ	1.00	0240																									
ZZZZZZ	1.00	0245																									
ZZZZZZ	1.00	0250																									
CCV	1.00	0254												X		X				X			X				
CCB	1.00	0259												X		X				X			X				
ZZZZZZ	1.00	0304																									
ZZZZZZ	1.00	0309																									
ZZZZZZ	1.00	0314																									
ZZZZZZ	1.00	0318																									
ZZZZZZ	1.00	0323																									
SOPILE 3-2	1.00	0328												X		X				X			X				
SOPILE 3-3	1.00	0338												X		X				X			X				
SOPILE 3-3S	1.00	0347												X		X				X			X				
SOPILE 3-3SD	1.00	0356												X		X				X			X				
SOPILE 3-3L	5.00	0405												X		X				X			X				
CCV	1.00	0409												X		X				X			X				
CCB	1.00	0414												X		X				X			X				
SOPILE 3-3A	1.00	0420												X		X				X			X				
ZZZZZZ	5.00	0428																									
ZZZZZZ	1.00	0438																									
ZZZZZZ	1.00	0443																									
ZZZZZZ	1.00	0448																									
ZZZZZZ	1.00	0452																									
ZZZZZZ	1.00	0457																									
ZZZZZZ	5.00	0502																									
ZZZZZZ	1.00	0506																									
ICSA	1.00	0511												X		X				X			X				

Total Metals

14

ANALYSIS RUN LOG

Client: Beazer East, Inc. Contract:

Lab Code: ALJCK Case No.: SAS No.: SDG No.: J1509207

Instrument ID Number: PE Optima ICP Method: P Run Number: 112015B1

Start Date: 11/20/2015 End Date: 11/21/2015

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
ICSAB	1.00	0520												X		X				X			X				
ZZZZZZ	1.00	0529																									
CCV	1.00	0533												X		X				X			X				
CCB	1.00	0539												X		X				X			X				
ZZZZZZ	1.00	0544																									
ZZZZZZ	1.00	0548																									
ZZZZZZ	1.00	0553																									
ZZZZZZ	1.00	0558																									
ZZZZZZ	1.00	0602																									
ZZZZZZ	1.00	0607																									
ZZZZZZ	1.00	0612																									
ZZZZZZ	1.00	0616																									
ZZZZZZ	1.00	0621																									
ZZZZZZ	1.00	0626																									
CCV	1.00	0630												X		X				X			X				
CCB	1.00	0636												X		X				X			X				
ZZZZZZ	1.00	0641																									
ZZZZZZ	1.00	0645																									
ZZZZZZ	1.00	0650																									
ZZZZZZ	1.00	0655																									
ZZZZZZ	1.00	0659																									
ZZZZZZ	1.00	0704																									
ZZZZZZ	1.00	0709																									
ZZZZZZ	1.00	0713																									
ZZZZZZ	1.00	0719																									
ZZZZZZ	1.00	0724																									
CCV	1.00	0728												X		X				X			X				
CCB	1.00	0734												X		X				X			X				
ZZZZZZ	1.00	0739																									
ZZZZZZ	1.00	0743																									
ZZZZZZ	1.00	0748																									
ZZZZZZ	5.00	0753																									
ZZZZZZ	1.00	0757																									
ZZZZZZ	1.00	0802																									
ZZZZZZ	1.00	0807																									
ZZZZZZ	1.00	0812																									

Total Metals

14

ANALYSIS RUN LOG

Client: Beazer East, Inc. Contract:

Lab Code: ALJCK Case No.: SAS No.: SDG No.: J1509207

Instrument ID Number: PE Optima ICP Method: P Run Number: 112015B1

Start Date: 11/20/2015 End Date: 11/21/2015

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
ZZZZZZ	1.00	0816																										
ZZZZZZ	1.00	0821																										
CCV	1.00	0826												X		X				X			X					
CCB	1.00	0831												X		X				X			X					
ZZZZZZ	1.00	0836																										
ZZZZZZ	1.00	0841																										
ZZZZZZ	1.00	0845																										
ZZZZZZ	1.00	0850																										
ZZZZZZ	1.00	0855																										
ZZZZZZ	1.00	0859																										
ZZZZZZ	1.00	0904																										
ZZZZZZ	1.00	0909																										
ZZZZZZ	1.00	0913																										
ZZZZZZ	1.00	0918																										
CCV	1.00	0923												X		X				X			X					
CCB	1.00	0928												X		X				X			X					
ZZZZZZ	1.00	0933																										
ZZZZZZ	1.00	0938																										
ZZZZZZ	1.00	0942																										
ZZZZZZ	1.00	0947																										
ZZZZZZ	1.00	0952																										
ZZZZZZ	1.00	0957																										
ZZZZZZ	1.00	1002																										
ZZZZZZ	1.00	1007																										
ZZZZZZ	1.00	1011																										
ZZZZZZ	5.00	1016																										
CCV	1.00	1021												X		X				X			X					
CCB	1.00	1026												X		X				X			X					
ZZZZZZ	1.00	1031																										
ZZZZZZ	1.00	1036																										
ZZZZZZ	1.00	1040																										
ZZZZZZ	1.00	1045																										
ZZZZZZ	1.00	1050																										
ZZZZZZ	1.00	1054																										
ZZZZZZ	1.00	1059																										
ZZZZZZ	1.00	1104																										

Total Metals

14

ANALYSIS RUN LOG

Client: Beazer East, Inc. Contract:

Lab Code: ALJCK Case No.: SAS No.: SDG No.: J1509207

Instrument ID Number: PE Optima ICP Method: P Run Number: 112015B1

Start Date: 11/20/2015 End Date: 11/21/2015

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
ZZZZZZ	1.00	1109																										
ZZZZZZ	1.00	1113																										
CCV	1.00	1118												X		X				X			X					
CCB	1.00	1123												X		X				X			X					
ZZZZZZ	1.00	1128																										
ZZZZZZ	1.00	1133																										
ZZZZZZ	1.00	1138																										
ZZZZZZ	1.00	1142																										
ZZZZZZ	1.00	1147																										
ZZZZZZ	1.00	1152																										
ZZZZZZ	1.00	1156																										
ZZZZZZ	1.00	1304																										
ZZZZZZ	1.00	1309																										
CCV	1.00	1313												X		X				X			X					
CCB	1.00	1319												X		X				X			X					
ZZZZZZ	1.00	1324																										
ZZZZZZ	1.00	1329																										
ZZZZZZ	1.00	1334																										
ZZZZZZ	1.00	1338																										
ZZZZZZ	1.00	1343																										
ZZZZZZ	1.00	1348																										
ZZZZZZ	1.00	1352																										
ZZZZZZ	1.00	1357																										
ZZZZZZ	1.00	1402																										
ZZZZZZ	1.00	1406																										
CCV	1.00	1411												X		X				X			X					
CCB	1.00	1416												X		X				X			X					
ZZZZZZ	1.00	1421																										
ZZZZZZ	1.00	1426																										
ZZZZZZ	1.00	1431																										
ZZZZZZ	1.00	1440																										
ZZZZZZ	1.00	1445																										
ZZZZZZ	1.00	1450																										
ZZZZZZ	1.00	1455																										
ZZZZZZ	1.00	1500																										
ICSA	1.00	1505												X		X				X			X					

Total Metals

14

ANALYSIS RUN LOG

Client: Beazer East, Inc. Contract:

Lab Code: ALJCK Case No.: SAS No.: SDG No.: J1509207

Instrument ID Number: PE Optima ICP Method: P Run Number: 112015B1

Start Date: 11/20/2015 End Date: 11/21/2015

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
ICSAB	1.00	1513												X		X				X			X				
ZZZZZZ	1.00	1522																									
ZZZZZZ	1.00	1527																									
CCV	1.00	1531												X		X				X			X				
CCB	1.00	1537												X		X				X			X				
ZZZZZZ	1.00	1542																									
ZZZZZZ	5.00	1546																									
ZZZZZZ	1.00	1551																									
ZZZZZZ	1.00	1556																									
ZZZZZZ	1.00	1600																									
ZZZZZZ	1.00	1605																									
ZZZZZZ	1.00	1610																									
ZZZZZZ	1.00	1614																									
ZZZZZZ	1.00	1619																									
ZZZZZZ	1.00	1623																									
CCV	1.00	1628												X		X				X			X				
CCB	1.00	1633												X		X				X			X				
ZZZZZZ	1.00	1638																									
ZZZZZZ	1.00	1643																									
ZZZZZZ	1.00	1648																									
ZZZZZZ	1.00	1652																									
ZZZZZZ	1.00	1657																									
MRL	1.00	1702												X		X				X			X				
ICSA	1.00	1707												X		X				X			X				
ICSAB	1.00	1716												X		X				X			X				
CCV	1.00	1725												X		X				X			X				
CCB	1.00	1730												X		X				X			X				

Total Metals

14

ANALYSIS RUN LOG

Client: Beazer East, Inc. Contract:

Lab Code: ALJCK Case No.: SAS No.: SDG No.: J1509207

Instrument ID Number: PE Optima ICP Method: P Run Number: 112315A1

Start Date: 11/23/2015 End Date: 11/24/2015

EPA Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
CALIB BLANK	1.00	1317								X																
CALIB STD 1	1.00	1322								X																
CALIB STD 2	1.00	1327								X																
CALIB STD 3	1.00	1332								X																
CALIB STD 4	1.00	1337								X																
ICV	1.00	1340								X																
ICB	1.00	1345								X																
ZZZZZZ	1.00	1350																								
MRL	1.00	1356								X																
ICSA	1.00	1401								X																
ICSAB	1.00	1410								X																
CCV	1.00	1418								X																
CCB	1.00	1424								X																
ZZZZZZ	1.00	1429																								
ZZZZZZ	1.00	1435																								
ZZZZZZ	1.00	1440																								
ZZZZZZ	1.00	1446																								
ZZZZZZ	1.00	1452																								
ZZZZZZ	1.00	1457																								
ZZZZZZ	1.00	1503																								
ZZZZZZ	1.00	1508																								
ZZZZZZ	1.00	1514																								
ZZZZZZ	1.00	1519																								
CCV	1.00	1524								X																
CCB	1.00	1529								X																
ZZZZZZ	1.00	1535																								
ZZZZZZ	1.00	1541																								
MRL	1.00	1546								X																
ZZZZZZ	1.00	1551																								
MB-09053-02	1.00	1556								X																
LCS-09053-01	1.00	1601								X																
SOPILE 3-2	1.00	1606								X																
SOPILE 3-3	1.00	1615								X																
SOPILE 3-3S	1.00	1624								X																
SOPILE 3-3SD	1.00	1633								X																
CCV	1.00	1642								X																

Total Metals
14
ANALYSIS RUN LOG

Client: Beazer East, Inc. Contract:

Lab Code: ALJCK Case No.: SAS No.: SDG No.: J1509207

Instrument ID Number: PE Optima ICP Method: P Run Number: 112315A1

Start Date: 11/23/2015 End Date: 11/24/2015

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
CCB	1.00	1647								X																
SOPILE 3-3L	5.00	1652								X																
SOPILE 3-3A	1.00	1657								X																
ZZZZZZ	20.00	1706																								
ZZZZZZ	1.00	1716																								
ZZZZZZ	1.00	1721																								
ZZZZZZ	1.00	1726																								
ZZZZZZ	1.00	1730																								
ZZZZZZ	1.00	1735																								
ZZZZZZ	1.00	1739																								
ZZZZZZ	1.00	1744																								
CCV	1.00	1749								X																
CCB	1.00	1754								X																
ZZZZZZ	1.00	1759																								
ZZZZZZ	1.00	1804																								
ZZZZZZ	1.00	1808																								
ZZZZZZ	1.00	1813																								
ZZZZZZ	1.00	1818																								
ZZZZZZ	1.00	1822																								
ZZZZZZ	1.00	1827																								
ZZZZZZ	1.00	1832																								
ZZZZZZ	1.00	1836																								
ZZZZZZ	1.00	1846																								
CCV	1.00	1855								X																
CCB	1.00	1900								X																
ZZZZZZ	1.00	1905																								
ZZZZZZ	5.00	1914																								
ZZZZZZ	1.00	1924																								
ZZZZZZ	1.00	1932																								
ZZZZZZ	1.00	1943																								
ZZZZZZ	1.00	1948																								
ZZZZZZ	1.00	1953																								
ZZZZZZ	1.00	1958																								
ZZZZZZ	1.00	2003																								
ZZZZZZ	1.00	2008																								
CCV	1.00	2013								X																

Total Metals

14

ANALYSIS RUN LOG

Client: Beazer East, Inc. Contract:

Lab Code: ALJCK Case No.: SAS No.: SDG No.: J1509207

Instrument ID Number: PE Optima ICP Method: P Run Number: 112315A1

Start Date: 11/23/2015 End Date: 11/24/2015

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
CCB	1.00	2018								X																
ZZZZZZ	1.00	2023																								
ZZZZZZ	1.00	2028																								
ZZZZZZ	1.00	2037																								
ZZZZZZ	1.00	2047																								
ZZZZZZ	1.00	2052																								
ZZZZZZ	1.00	2056																								
ZZZZZZ	1.00	2101																								
ZZZZZZ	1.00	2106																								
ZZZZZZ	1.00	2111																								
ZZZZZZ	1.00	2116																								
CCV	1.00	2121								X																
CCB	1.00	2126								X																
ZZZZZZ	1.00	2131																								
ZZZZZZ	1.00	2136																								
ZZZZZZ	1.00	2140																								
ZZZZZZ	1.00	2145																								
ZZZZZZ	1.00	2150																								
ZZZZZZ	5.00	2154																								
ZZZZZZ	1.00	2159																								
ZZZZZZ	1.00	2204																								
ZZZZZZ	1.00	2209																								
ZZZZZZ	1.00	2218																								
CCV	1.00	2223								X																
CCB	1.00	2228								X																
ZZZZZZ	1.00	2233																								
ZZZZZZ	1.00	2238																								
ZZZZZZ	1.00	2243																								
ZZZZZZ	1.00	2247																								
ZZZZZZ	1.00	2253																								
ZZZZZZ	1.00	2258																								
ZZZZZZ	1.00	2303																								
ZZZZZZ	1.00	2308																								
ZZZZZZ	1.00	2317																								
ZZZZZZ	1.00	2326																								
CCV	1.00	2331								X																

Total Metals
14
ANALYSIS RUN LOG

Client: Beazer East, Inc. Contract:

Lab Code: ALJCK Case No.: SAS No.: SDG No.: J1509207

Instrument ID Number: PE Optima ICP Method: P Run Number: 112315A1

Start Date: 11/23/2015 End Date: 11/24/2015

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
CCB	1.00	2336								X																
ZZZZZZ	1.00	2341																								
ZZZZZZ	1.00	2346																								
ZZZZZZ	5.00	2350																								
ZZZZZZ	1.00	2355																								
ZZZZZZ	1.00	0000																								
ZZZZZZ	1.00	0004																								
ZZZZZZ	1.00	0009																								
ZZZZZZ	1.00	0018																								
ZZZZZZ	1.00	0027																								
ZZZZZZ	1.00	0036																								
CCV	1.00	0044								X																
CCB	1.00	0050								X																
ZZZZZZ	1.00	0055																								
ZZZZZZ	1.00	0104																								
ZZZZZZ	1.00	0112																								
ZZZZZZ	1.00	0116																								
ZZZZZZ	1.00	0125																								
ZZZZZZ	1.00	0134																								
ZZZZZZ	1.00	0143																								
ZZZZZZ	1.00	0152																								
ZZZZZZ	1.00	0201																								
ICSA	1.00	0210								X																
ICSAB	1.00	0219								X																
ZZZZZZ	1.00	0227																								
CCV	1.00	0236								X																
CCB	1.00	0241								X																
ZZZZZZ	1.00	0246																								
ZZZZZZ	1.00	0256																								
ZZZZZZ	1.00	0301																								
ZZZZZZ	1.00	0305																								
ZZZZZZ	1.00	0310																								
ZZZZZZ	1.00	0315																								
ZZZZZZ	5.00	0320																								
ZZZZZZ	1.00	0325																								
ZZZZZZ	1.00	0330																								

Total Metals
14
ANALYSIS RUN LOG

Client: Beazer East, Inc. Contract:

Lab Code: ALJCK Case No.: SAS No.: SDG No.: J1509207

Instrument ID Number: PE Optima ICP Method: P Run Number: 112315A1

Start Date: 11/23/2015 End Date: 11/24/2015

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
ZZZZZZ	1.00	0334																									
CCV	1.00	0339								X																	
CCB	1.00	0344								X																	
ZZZZZZ	1.00	0349																									
ZZZZZZ	1.00	0355																									
MRL	1.00	0406								X																	
ICSA	1.00	0411								X																	
ICSAB	1.00	0420								X																	
CCV	1.00	0428								X																	
CCB	1.00	0434								X																	

Total Metals
14
ANALYSIS RUN LOG

Client: Beazer East, Inc. Contract:

Lab Code: ALJCK Case No.: SAS No.: SDG No.: J1509207

Instrument ID Number: Cetac Hg Analyzer Method: CV Run Number: 112415A JA

Start Date: 11/24/2015 End Date: 11/24/2015

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
Calibration Blank	1.00	0948																X								
Standard #1	1.00	0949																X								
Standard #2	1.00	0951																X								
Standard #3	1.00	0952																X								
Standard #4	1.00	0954																X								
Standard #5	1.00	0956																X								
Standard #6	1.00	0958																X								
ICV	1.00	1000																X								
ICV	1.00	1002																X								
ICB	1.00	1004																X								
MRL 0.1	1.00	1005																X								
ZZZZZZ	1.00	1006																								
ZZZZZZ	1.00	1008																								
ZZZZZZ	1.00	1010																								
ZZZZZZ	1.00	1011																								
ZZZZZZ	1.00	1013																								
ZZZZZZ	1.00	1015																								
ZZZZZZ	5.00	1017																								
ZZZZZZ	1.00	1018																								
ZZZZZZ	1.00	1020																								
ZZZZZZ	1.00	1021																								
CCV-1	1.00	1022																X								
CCB-1	1.00	1024																X								
ZZZZZZ	1.00	1026																								
ZZZZZZ	1.00	1027																								
ZZZZZZ	1.00	1029																								
ZZZZZZ	1.00	1030																								
ZZZZZZ	1.00	1031																								
ZZZZZZ	1.00	1033																								
ZZZZZZ	1.00	1034																								
ZZZZZZ	1.00	1035																								
ZZZZZZ	1.00	1037																								
ZZZZZZ	1.00	1038																								
CCV-2	1.00	1040																X								
CCB-2	1.00	1042																X								
ZZZZZZ	1.00	1043																								

Total Metals
14
ANALYSIS RUN LOG

Client: Beazer East, Inc. Contract:

Lab Code: ALJCK Case No.: SAS No.: SDG No.: J1509207

Instrument ID Number: Cetac Hg Analyzer Method: CV Run Number: 112415A JA

Start Date: 11/24/2015 End Date: 11/24/2015

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
ZZZZZZ	1.00	1044																										
ZZZZZZ	1.00	1046																										
ZZZZZZ	1.00	1047																										
ZZZZZZ	1.00	1049																										
ZZZZZZ	1.00	1050																										
ZZZZZZ	1.00	1052																										
ZZZZZZ	1.00	1054																										
ZZZZZZ	1.00	1055																										
ZZZZZZ	5.00	1057																										
CCV-3	1.00	1059															X											
CCB-3	1.00	1101															X											
ZZZZZZ	1.00	1102																										
ZZZZZZ	1.00	1104																										
ZZZZZZ	1.00	1105																										
ZZZZZZ	1.00	1107																										
ZZZZZZ	1.00	1108																										
ZZZZZZ	1.00	1110																										
ZZZZZZ	1.00	1112																										
ZZZZZZ	5.00	1114																										
MB-09135-04	1.00	1115															X											
LCS-09135-03	1.00	1117															X											
CCV-4	1.00	1119															X											
CCB-4	1.00	1121															X											
SOPILE 3-2	1.00	1122															X											
SOPILE 3-3	1.00	1124															X											
ZZZZZZ	1.00	1126																										
ZZZZZZ	1.00	1127																										
ZZZZZZ	1.00	1128																										
ZZZZZZ	1.00	1130																										
ZZZZZZ	1.00	1132																										
ZZZZZZ	1.00	1133																										
ZZZZZZ	5.00	1135																										
ZZZZZZ	1.00	1137																										
CCV-5	1.00	1138															X											
CCB-5	1.00	1140															X											
ZZZZZZ	1.00	1142																										

Total Metals
14
ANALYSIS RUN LOG

Client: Beazer East, Inc. Contract:

Lab Code: ALJCK Case No.: SAS No.: SDG No.: J1509207

Instrument ID Number: Cetac Hg Analyzer Method: CV Run Number: 112415A JA

Start Date: 11/24/2015 End Date: 11/24/2015

EPA Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
ZZZZZZ	1.00	1143																												
ZZZZZZ	1.00	1146																												
ZZZZZZ	1.00	1147																												
ZZZZZZ	1.00	1148																												
ZZZZZZ	1.00	1150																												
ZZZZZZ	1.00	1151																												
ZZZZZZ	1.00	1153																												
ZZZZZZ	1.00	1154																												
ZZZZZZ	1.00	1155																												
CCV-6	1.00	1157																X												
CCB-6	1.00	1159																X												
ZZZZZZ	1.00	1200																												
ZZZZZZ	1.00	1202																												
ZZZZZZ	1.00	1203																												
ZZZZZZ	1.00	1205																												
CCV-7	1.00	1207																X												
CCB-7	1.00	1209																X												