



ALS Environmental
ALS Group USA, Corp
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October 06, 2016

Analytical Report for Service Request No: J1606036

Ms. Angela Gatchie
Field and Technical Services, LLC
200 Third Avenue
Carnegie, PA 15106

Laboratory Results for: Gainesville 2016 3Q-Annual GW Sampling/OM-0450-16

Dear Ms. Gatchie:

Enclosed are the results of the sample(s) submitted to our laboratory on August 24, 2016. For your reference, these analyses have been assigned our service request number **J1606036**.

All analyses were performed according to our laboratory's quality assurance program. The test results meet requirements of the NELAP standards except as noted in the case narrative report.

All results are intended to be considered in their entirety, and ALS Environmental is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report. In accordance to the NELAC 2003 Standard, a statement on the estimated uncertainty of measurement of any quantitative analysis will be supplied upon request.

Please contact me if you have any questions. My extension is 4406. You may also contact me via email at Mandy.Sullivan@alsglobal.com.

Respectfully submitted,

ALS Group USA Corp. dba ALS Environmental

A handwritten signature in black ink, appearing to read "Mandy Sullivan".

Mandy Sullivan
Project Manager

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Non CLP Tier IV (w/ Raw Data)

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This report contains a total of 2093 pages

ALS Environmental

Client: Beazer East, Inc. **Service Request No.:** J1606036
Project: Gainesville 2016 3Q-Annual GW Sampling **Date Received:** 8/25/2016
Sample Matrix: Water

CASE NARRATIVE

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

Sample Receipt

Nineteen water samples were received for analysis at ALS Environmental on 8/25/2016. The samples were received in good condition and consistent with the accompanying chain of custody form. Samples are refrigerated at $\leq 6^{\circ}\text{C}$ upon receipt at the lab except for aqueous samples designated for metals analyses, which are stored at room temperature.

Volatile Organic Analyses:

No significant data anomalies were noted with this analysis.

Semi-Volatile Organic Analyses:

Method 8270: The control criteria for one or more surrogate(s) in sample J1606036-011 and -018 are not applicable. The analysis of the sample required a dilution, which resulted in a surrogate concentration below the Method Reporting Limit (MRL). No further corrective action was appropriate.

Metals Analyses:

No significant data anomalies were noted with this analysis.

Approved by



Date

10.06.2016

Client: Field and Technical Services, LLC
Project: Gainesville 2016 3Q-Annual GW Sampling/OM-0450-16

Service Request: J1606036

SAMPLE CROSS-REFERENCE

<u>SAMPLE #</u>	<u>CLIENT SAMPLE ID</u>	<u>DATE</u>	<u>TIME</u>
J1606036-001	GAIN-HG-24S-082216	8/22/16	12:08
J1606036-002	GAIN-EB-06-082216	8/22/16	12:25
J1606036-003	GAIN-HG-27S-082216	8/22/16	14:51
J1606036-004	GAIN-HG-21S-082216	8/22/16	16:04
J1606036-005	GAIN-HG-35S-082216	8/22/16	17:02
J1606036-006	GAIN-HG-23D-082216	8/22/16	14:00
J1606036-007	GAIN-HG-25D-082216	8/22/16	15:18
J1606036-008	GAIN-HG-27D-082216	8/22/16	16:40
J1606036-009	GAIN-HG-99H-082216	8/22/16	21:21
J1606036-010	GAIN-HG-6S-082316	8/23/16	08:52
J1606036-011	GAIN-HG-34S-082316	8/23/16	11:52
J1606036-012	GAIN-HG-33S-082316	8/23/16	16:07
J1606036-013	GAIN-HG-22D-082316	8/23/16	10:20
J1606036-014	GAIN-HG-5D-082316	8/23/16	11:51
J1606036-015	GAIN-EB-07-082316	8/23/16	12:21
J1606036-016	GAIN-HG-20D-082316	8/23/16	14:22
J1606036-017	GAIN-FB-07-082316	8/23/16	14:45
J1606036-018	GAIN-HG-20S-082316	8/23/16	14:23
J1606036-019	GAIN-HG-2D-082316	8/23/16	16:49



State Certifications, Accreditations, and Licenses

Agency	Number	Expire Date
Department of Defense	66206	7/31/2018
Florida Department of Health	E82502	6/30/2017
Georgia Department of Natural Resources	958	6/30/2017
Kentucky Division of Waste Management	63	6/30/2017
Louisiana Department of Environmental Quality	02086	6/30/2017
Maine Department of Health and Human Services	2015002	2/3/2017
North Carolina Department of Environment and Natural Resources	527	12/31/2016
Pennsylvania Department of Environmental Protection	68-04835	8/31/2017
South Carolina Department of Health and Environmental Control	96021001	6/30/2016
Texas Commission on Environmental Quality	T104704197-16-8	5/31/2017
Virginia Environmental Accreditation Program	460191	12/14/2016

Florida DEP Data Qualifiers

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

Acronyms

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



Chain of Custody Documentation

**9143 Philips Highway, Suite 200
Jacksonville, Florida 32256
Phone: (904) 739-2277 Fax (904) 739-2011
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**CHAIN OF CUSTODY RECORD/LABORATORY ANALYSIS
REQUEST FORM**

REF.# 500281*

500281
5/606036

Project Name: Gainesville 2016 3Q-Annual GW Sampling
Project Number: OM-0450-16
Laboratory: Columbia
Shipment Method: FEDEX

Program: Hawthorn Group 3rd Qtr 2016_001

Company: Field & Technical Services
Address: 200 Third Avenue
Carnegie, PA 15106
(412) 279-3363

Client: Beazer East, Inc.
Contact: (412) 2-3-0320
tkennelly.2006@f-ts.com

Sample Date	Sample Time	Matrix	Sample Identification	Analysis	Preservative	HCL	None	Arsenic_AQ_DISS	SW-846 8270D SIM	Arsenic_AQ_TOTAL	SW-846 8260B	Total Bottle Count	Notes:		
08/22/2016	1208	GW	GAIN-HG-24S-082216		5		3	1	1	0	0				
08/22/2016	1225	GW	GAIN-EB-06-082216		5		3	1	1	0	0				
08/22/2016	1451	GW	GAIN-HG-27S-082216		5		3	1	1	0	0				
08/22/2016	1604	GW	GAIN-HG-21S-082216		5		3	1	1	0	0				
08/22/2016	1702	GW	GAIN-HG-35S-082216		7		3	1	1	1	1				
															<i>Added Total 30 bottles Cr.</i>

Relinquished by:	Received by:	Relinquished by:	Received by:	Turnaround Requirements
Signature: <i>Tim Jnn</i>	Signature: <i>J. Nichols</i>	Signature: <i>J. Nichols</i>	Signature: <i>J. Nichols</i>	<input type="checkbox"/> Rush
Printed Name: Tim Kennelly	Printed Name: J. Nichols	Printed Name: J. Nichols	Printed Name: J. Nichols	Printed Name: E. C. Hanley
Firm: FTS	Firm: FTS	Firm: FTS	Firm: FTS	Firm: Standard
Date/Time: 08/22/2016 1715	Date/Time: 08/24/16 2:55	Date/Time: 08/24/16 4:55	Date/Time: 08/24/16 16:45	Date/Time: 08/24/16 16:45 (Rush)



CHAIN OF CUSTODY RECORD/LABORATORY ANALYSIS REQUEST FORM

REF.# 101215



Project Name: Gainesville 2016 3Q-Annual GW Sampling
Project Number: OM-0450-16
Laboratory: Columbia
Shipment Method FEDEX

Program: Hawthorn Group 3rd Qtr 2016_001

Company: Field & Technical Services
Address: 200 Third Avenue
Carnegie, PA 15106
(412) 279-3363

Client: Beazer East, Inc.
Contact: (412) 680-4312
brick.2006@f-ts.com

31606026

Sample Date	Sample Time	Matrix	Sample Identification	Analysis	Preservative		Total Bottle Count	Notes:
					HCL	None		
08/22/2016	1400	GW	GAIN-HG-23D-082216	5	3	1	1	
08/22/2016	1518	GW	GAIN-HG-25D-082216	5	3	1	1	
08/22/2016	1640	GW	GAIN-HG-27D-082216	5	3	1	1	
08/22/2016	2121	GW	GAIN-HG-99H-082216	5	3	1	1	

Relinquished by:	Received by:	Relinquished by:	Received by:	Turnaround Requirements
Signature: 	Signature: 	Signature: 	Signature: 	<input type="checkbox"/> Rush
Printed Name: Brendan Rick	Printed Name: Eric Hanley	Printed Name: Eric Hanley	Printed Name: Eric Hanley	
Firm: FTS	Firm: FTS	Firm: FTS	Firm: FTS	<input checked="" type="checkbox"/> Standard
Date/Time: 08/22/2016 1729	Date/Time: 08/22/2016 2135	Date/Time: 08/22/2016 2145	Date/Time: 08/24/2016 16:45	



**CHAIN OF CUSTODY RECORD/LABORATORY ANALYSIS
REQUEST FORM**

REF #

51666036

Project Name: Gainesville 2016 3Q-Annual GW Sampling
Project Number: OM-0450-16
Laboratory: Columbia
Shipment Method: FEDEX
Program: Hawthorn Group 3rd Qtr 2016_001

Client: Beazer East, Inc.
Contact: (724) 554-4421
nbachik.2006@f-ts.com
Address: 200 Third Avenue
Carnegie, PA 15106
(412) 279-3363

Sample Date	Sample Time	Matrix	Sample Identification	Analysis	Preservative	HCL	Notes:									
							Total Bottle Count									
08/23/2016	0852	GW	GAIN-HG-6S-082316	SW-846 8260B	None	None	5	3	1	1	0	0	0	0	0	0
08/23/2016	1152	GW	GAIN-HG-34S-082316	SW-846 8270D SIM	None	None	7	3	1	1	1	1	X	X	X	X
08/23/2016	1607	GW	GAIN-HG-33S-082316	Arsenic-AQ-DISS	None	None	7	3	1	1	1	1	X	X	X	X
				Arsenic-AQ-TOTAL												
				Tellurium												
				Lead-Chromium												

Relinquished by:	Received by:	Relinquished by:	Received by:	Turnaround Requirements
				<input type="checkbox"/> Rush
Printed Name: Nathan Bachik	Printed Name: Eric Hanzley	Printed Name: Eric Hanzley	Firm: FTS	Printed Name: Eric Hanzley
Date/Time: 08/23/2016 1717	Date/Time: 08/24/2016 2155	Date/Time: 08/24/2016 4:45	Date/Time: 08/24/2016 16:45	Date/Time: 08/24/2016 16:45
				<input checked="" type="checkbox"/> Standard



CHAIN OF CUSTODY RECORD/LABORATORY ANALYSIS REQUEST FORM



Project Name: Gainesville 2016 3Q-Annual GW Sampling
 Project Number: OM-0450-16
 Laboratory: Columbia
 Shipment Method FEDEX
 Program: Hawthorn Group 3rd Qtr 2016_001

Company: Field & Technical Services
 Address: 200 Third Avenue
 Carnegie, PA 15106
 (412) 279-3363

Client: Beazer East, Inc.
 Contact: (412) 680-4312
 brick.2006@f-ts.com

Sample Date	Sample Time	Matrix	Sample Identification	Analysis	Preservative		Total Bottle Count	Notes:
					HCL	None		
08/23/2016	1020	GW	GAIN-HG-22D-082316		5	3	1	1
08/23/2016	1151	GW	GAIN-HG-5D-082316		5	3	1	1
08/23/2016	1221	GW	GAIN-EB-07-082316		5	3	1	1
08/23/2016	1422	GW	GAIN-HG-20D-082316		5	3	1	1
08/23/2016	1445	GW	GAIN-FB-07-082316		5	3	1	1
08/23/2016	1523	GW	GAIN-HG-20S-082316		5	3	1	1
08/23/2016	1649	GW	GAIN-HG-2D-082316		5	3	1	1

Relinquished by:	Received by:	Relinquished by:	Signature:	Received by:	Turnaround Requirements
Signature: Printed Name: Brendan Rick Firm FTS Date/Time: 08/23/2016 1726	Signature: Printed Name: Nicholas H. Cholakas Firm AJS Date/Time: 8/24/16 2:53	Signature: Printed Name: Eric Hartley Firm AJS Date/Time: 8/24/16 4:45	Signature: Printed Name: Eric Hartley Firm AJS Date/Time: 8/24/16 4:45	<input type="checkbox"/> Rush <input checked="" type="checkbox"/> Standard	



Cooler Receipt Form

Client: FTSService Request #: J1606036Project: Gainesville 2016 3Q AnnualCooler received on 8.24.16and opened on 8.25.16 GBCOURIER: ALS UPS FEDEX Client Other _____ Airbill # _____

- 1 Were custody seals on outside of cooler?
If yes, how many and where? #: 1 on lid other
- 2 Were seals intact and signature and date correct? Yes No N/A
- 3 Were custody papers properly filled out? Yes No N/A
- 4 Temperature of cooler(s) upon receipt (Should be 0°C and \leq 6°C) 0.3 1.2 0.0 1.1 1.3 0.0 0.2
- 5 Thermometer ID 1.4 0.2 T124
- 6 Temperature Blank Present? Yes No
- 7 Were Ice or Ice Packs present Ice Ice Packs No
- 8 Did all bottles arrive in good condition (unbroken, etc....)? Yes No N/A
- 9 Type of packing material present Netting Vial Holder Bubble Wrap
Paper Styrofoam Other N/A
- 10 Were all bottle labels complete (sample ID, preservation, etc....)? Yes No N/A
- 11 Did all bottle labels and tags agree with custody papers? Yes No N/A
- 12 Were the correct bottles used for the tests indicated? Yes No N/A
- 13 Were all of the preserved bottles received with the appropriate preservative?
HNO3 pH<2 H2SO4 pH<2 ZnAc2/NaOH pH>9 NaOH pH>12
Preservative additions noted below
HCl pH<2
- 14 Were all samples received within analysis holding times? Yes No N/A
- 15 Were all VOA vials free of air bubbles? If present, note below Yes No N/A
- 16 Where did the bottles originate? ALS Client

Sample ID	Reagent	Lot #	ml added	Initials Date/Time

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

Client approval to run samples if discrepancies noted:

13

Date:



SR # : J 1606036

Date: 8.25.16 Initials: GRS

Jacksonville Laboratory
Condition Upon Receipt - Sample pH

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

Container	40mL	40mL	40mL	125mL	125mL	125mL	125mL	125mL	125mL	250mL	250mL	250mL	250mL	250mL	250mL	500mL	500mL	500mL	500mL	1L	1L	1L	1L	1L	2oz	4oz	8oz	16oz	100ml	Zn/Block	Misc.					
	G	G	P	G	P	P	P	P	P	ZnAc2)	P	P	HCl	H2SO4	NaOH	NaOH	NaOH	NaOH	HNO3	N/A	N/A	N/A	N/A	G	G	G	G	G	P	P	P	P	Na2	Na3	N/A	
Preserve	N/A	HCl	Na2	S2O3	N/A	HCl	H2SO4	N/A	HNO3	N/A	HCl	H2SO4	N/A	N/A	N/A	N/A	N/A	HNO3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
Req. pH	N/A	<2	N/A	N/A	<2	<2	<2	N/A	<2	<2	N/A	>9	>12	N/A	<2	<2	N/A	<2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A			-1		
Sample #	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-2	
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Note: VOA pH checks are performed by the analytical area, not sample control.

CUR Preservation Checklist

Note: Condition Upon Receipt - Sample pH

9/18/2014

SMF-2

Page 1 of 1



Summary Package

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

Organics Analysis:
Volatile Organic Compounds by GC/MS

Summary Package

Sample and QC Results

Client: Beazer East, Inc.
Project: Gainesville 2016 3Q-Annual GW Sampling/OM-0450-16

Service Request: J1606036**Volatile Organic Compounds by GC/MS**

Sample Name	Lab Code	Date Collected	Date Received
GAIN-HG-24S-082216	J1606036-001	08/22/2016	08/24/2016
GAIN-EB-06-082216	J1606036-002	08/22/2016	08/24/2016
GAIN-HG-27S-082216	J1606036-003	08/22/2016	08/24/2016
GAIN-HG-21S-082216	J1606036-004	08/22/2016	08/24/2016
GAIN-HG-35S-082216	J1606036-005	08/22/2016	08/24/2016
GAIN-HG-23D-082216	J1606036-006	08/22/2016	08/24/2016
GAIN-HG-25D-082216	J1606036-007	08/22/2016	08/24/2016
GAIN-HG-27D-082216	J1606036-008	08/22/2016	08/24/2016
GAIN-HG-99H-082216	J1606036-009	08/22/2016	08/24/2016
GAIN-HG-6S-082316	J1606036-010	08/23/2016	08/24/2016
GAIN-HG-34S-082316	J1606036-011	08/23/2016	08/24/2016
GAIN-HG-33S-082316	J1606036-012	08/23/2016	08/24/2016
GAIN-HG-22D-082316	J1606036-013	08/23/2016	08/24/2016
GAIN-HG-5D-082316	J1606036-014	08/23/2016	08/24/2016
GAIN-EB-07-082316	J1606036-015	08/23/2016	08/24/2016
GAIN-HG-20D-082316	J1606036-016	08/23/2016	08/24/2016
GAIN-FB-07-082316	J1606036-017	08/23/2016	08/24/2016
GAIN-HG-20S-082316	J1606036-018	08/23/2016	08/24/2016
GAIN-HG-2D-082316	J1606036-019	08/23/2016	08/24/2016

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: _____

Name: _____

Date: _____

Title: _____

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: Beazer East, Inc.
Project: Gainesville 2016 3Q-Annual GW Sampling/OM-0450-16
Sample Matrix: Water
Sample Name: GAIN-HG-24S-082216
Lab Code: J1606036-001

Service Request: J1606036
Date Collected: 8/22/16 1208
Date Received: 8/24/16
Units: µg/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Benzene	ND	U	1.0	1	NA	8/26/16 17:09			511703
Ethylbenzene	ND	U	1.0	1	NA	8/26/16 17:09			511703
m,p-Xylenes	ND	U	2.0	1	NA	8/26/16 17:09			511703
o-Xylene	ND	U	1.0	1	NA	8/26/16 17:09			511703
Toluene	ND	U	1.0	1	NA	8/26/16 17:09			511703

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	120	70-130	8/26/16 17:09	
4-Bromofluorobenzene	98	70-130	8/26/16 17:09	
Dibromofluoromethane	113	70-130	8/26/16 17:09	
Toluene-d8	97	70-130	8/26/16 17:09	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Beazer East, Inc.	Service Request:	J1606036
Project:	Gainesville 2016 3Q-Annual GW Sampling/OM-0450-16	Date Collected:	8/22/16 1225
Sample Matrix:	Water	Date Received:	8/24/16
Sample Name:	GAIN-EB-06-082216	Units:	µg/L
Lab Code:	J1606036-002	Basis:	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analyte Name	Result	Q	MRL	Dilution	Date	Date	Extraction	Analysis
				Factor	Extracted	Analyzed	Lot	Lot
Benzene	ND	U	1.0	1	NA	8/26/16 17:32		511703
Ethylbenzene	ND	U	1.0	1	NA	8/26/16 17:32		511703
m,p-Xylenes	ND	U	2.0	1	NA	8/26/16 17:32		511703
o-Xylene	ND	U	1.0	1	NA	8/26/16 17:32		511703
Toluene	ND	U	1.0	1	NA	8/26/16 17:32		511703

Surrogate Name	%Rec	Control	Date	Q
		Limits	Analyzed	
1,2-Dichloroethane-d4	119	70-130	8/26/16 17:32	
4-Bromofluorobenzene	98	70-130	8/26/16 17:32	
Dibromofluoromethane	113	70-130	8/26/16 17:32	
Toluene-d8	95	70-130	8/26/16 17:32	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: Beazer East, Inc.
Project: Gainesville 2016 3Q-Annual GW Sampling/OM-0450-16
Sample Matrix: Water
Sample Name: GAIN-HG-27S-082216
Lab Code: J1606036-003

Service Request: J1606036
Date Collected: 8/22/16 1451
Date Received: 8/24/16
Units: µg/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Benzene	ND	U	1.0	1	NA	8/26/16 17:55			511703
Ethylbenzene	ND	U	1.0	1	NA	8/26/16 17:55			511703
m,p-Xylenes	ND	U	2.0	1	NA	8/26/16 17:55			511703
o-Xylene	ND	U	1.0	1	NA	8/26/16 17:55			511703
Toluene	ND	U	1.0	1	NA	8/26/16 17:55			511703

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	120	70-130	8/26/16 17:55	
4-Bromofluorobenzene	97	70-130	8/26/16 17:55	
Dibromofluoromethane	112	70-130	8/26/16 17:55	
Toluene-d8	96	70-130	8/26/16 17:55	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: Beazer East, Inc.
Project: Gainesville 2016 3Q-Annual GW Sampling/OM-0450-16
Sample Matrix: Water
Sample Name: GAIN-HG-21S-082216
Lab Code: J1606036-004

Service Request: J1606036
Date Collected: 8/22/16 1604
Date Received: 8/24/16
Units: µg/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analyte Name	Result Q	MRL	Dilution	Date	Date	Extraction	Analysis	Note
			Factor	Extracted	Analyzed	Lot	Lot	
Benzene	ND U	1.0	1	NA	8/26/16 18:18			511703
Ethylbenzene	ND U	1.0	1	NA	8/26/16 18:18			511703
m,p-Xylenes	ND U	2.0	1	NA	8/26/16 18:18			511703
o-Xylene	ND U	1.0	1	NA	8/26/16 18:18			511703
Toluene	ND U	1.0	1	NA	8/26/16 18:18			511703

Surrogate Name	%Rec	Control	Date	Q
		Limits	Analyzed	
1,2-Dichloroethane-d4	121	70-130	8/26/16 18:18	
4-Bromofluorobenzene	97	70-130	8/26/16 18:18	
Dibromofluoromethane	114	70-130	8/26/16 18:18	
Toluene-d8	96	70-130	8/26/16 18:18	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: Beazer East, Inc.
Project: Gainesville 2016 3Q-Annual GW Sampling/OM-0450-16
Sample Matrix: Water
Sample Name: GAIN-HG-35S-082216
Lab Code: J1606036-005

Service Request: J1606036
Date Collected: 8/22/16 1702
Date Received: 8/24/16
Units: µg/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analyte Name	Result	Q	MRL	Dilution	Date	Date	Extraction	Analysis
				Factor	Extracted	Analyzed	Lot	Lot
Benzene	67		1.0	1	NA	8/26/16 18:41		511703
Ethylbenzene	4.0		1.0	1	NA	8/26/16 18:41		511703
m,p-Xylenes	4.1		2.0	1	NA	8/26/16 18:41		511703
o-Xylene	2.1		1.0	1	NA	8/26/16 18:41		511703
Toluene	ND	U	1.0	1	NA	8/26/16 18:41		511703

Surrogate Name	%Rec	Control	Date	Q
		Limits	Analyzed	
1,2-Dichloroethane-d4	119	70-130	8/26/16 18:41	
4-Bromofluorobenzene	97	70-130	8/26/16 18:41	
Dibromofluoromethane	112	70-130	8/26/16 18:41	
Toluene-d8	96	70-130	8/26/16 18:41	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: Beazer East, Inc.
Project: Gainesville 2016 3Q-Annual GW Sampling/OM-0450-16
Sample Matrix: Water
Sample Name: GAIN-HG-23D-082216
Lab Code: J1606036-006

Service Request: J1606036
Date Collected: 8/22/16 1400
Date Received: 8/24/16
Units: µg/L
Basis: NA

Volatile Organic Compounds by GC/MS**Analytical Method:** 8260B

Analyte Name	Result Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Benzene	ND U	1.0	1	NA	8/26/16 19:05			511703
Ethylbenzene	ND U	1.0	1	NA	8/26/16 19:05			511703
m,p-Xylenes	ND U	2.0	1	NA	8/26/16 19:05			511703
o-Xylene	ND U	1.0	1	NA	8/26/16 19:05			511703
Toluene	ND U	1.0	1	NA	8/26/16 19:05			511703

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	120	70-130	8/26/16 19:05	
4-Bromofluorobenzene	97	70-130	8/26/16 19:05	
Dibromofluoromethane	113	70-130	8/26/16 19:05	
Toluene-d8	95	70-130	8/26/16 19:05	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: Beazer East, Inc.
Project: Gainesville 2016 3Q-Annual GW Sampling/OM-0450-16
Sample Matrix: Water
Sample Name: GAIN-HG-25D-082216
Lab Code: J1606036-007

Service Request: J1606036
Date Collected: 8/22/16 1518
Date Received: 8/24/16
Units: µg/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Benzene	ND	U	1.0	1	NA	8/26/16 19:28			511703
Ethylbenzene	ND	U	1.0	1	NA	8/26/16 19:28			511703
m,p-Xylenes	ND	U	2.0	1	NA	8/26/16 19:28			511703
o-Xylene	ND	U	1.0	1	NA	8/26/16 19:28			511703
Toluene	ND	U	1.0	1	NA	8/26/16 19:28			511703

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	120	70-130	8/26/16 19:28	
4-Bromofluorobenzene	96	70-130	8/26/16 19:28	
Dibromofluoromethane	114	70-130	8/26/16 19:28	
Toluene-d8	96	70-130	8/26/16 19:28	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: Beazer East, Inc.
Project: Gainesville 2016 3Q-Annual GW Sampling/OM-0450-16
Sample Matrix: Water
Sample Name: GAIN-HG-27D-082216
Lab Code: J1606036-008

Service Request: J1606036
Date Collected: 8/22/16 1640
Date Received: 8/24/16

Units: µg/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Benzene	ND	U	1.0	1	NA	8/26/16 19:51			511703
Ethylbenzene	ND	U	1.0	1	NA	8/26/16 19:51			511703
m,p-Xylenes	ND	U	2.0	1	NA	8/26/16 19:51			511703
o-Xylene	ND	U	1.0	1	NA	8/26/16 19:51			511703
Toluene	ND	U	1.0	1	NA	8/26/16 19:51			511703

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	120	70-130	8/26/16 19:51	
4-Bromofluorobenzene	96	70-130	8/26/16 19:51	
Dibromofluoromethane	113	70-130	8/26/16 19:51	
Toluene-d8	95	70-130	8/26/16 19:51	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: Beazer East, Inc.
Project: Gainesville 2016 3Q-Annual GW Sampling/OM-0450-16
Sample Matrix: Water
Sample Name: GAIN-HG-99H-082216
Lab Code: J1606036-009

Service Request: J1606036
Date Collected: 8/22/16 2121
Date Received: 8/24/16

Units: µg/L
Basis: NA

Volatile Organic Compounds by GC/MS**Analytical Method:** 8260B

Analyte Name	Result Q	MRL	Dilution	Date	Date	Extraction	Analysis	Note
			Factor	Extracted	Analyzed	Lot	Lot	
Benzene	ND U	1.0	1	NA	8/26/16 20:14			511703
Ethylbenzene	ND U	1.0	1	NA	8/26/16 20:14			511703
m,p-Xylenes	ND U	2.0	1	NA	8/26/16 20:14			511703
o-Xylene	ND U	1.0	1	NA	8/26/16 20:14			511703
Toluene	ND U	1.0	1	NA	8/26/16 20:14			511703

Surrogate Name	%Rec	Control	Date	Q
		Limits	Analyzed	
1,2-Dichloroethane-d4	123	70-130	8/26/16 20:14	
4-Bromofluorobenzene	96	70-130	8/26/16 20:14	
Dibromofluoromethane	116	70-130	8/26/16 20:14	
Toluene-d8	96	70-130	8/26/16 20:14	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: Beazer East, Inc.
Project: Gainesville 2016 3Q-Annual GW Sampling/OM-0450-16
Sample Matrix: Water
Sample Name: GAIN-HG-6S-082316
Lab Code: J1606036-010

Service Request: J1606036
Date Collected: 8/23/16 0852
Date Received: 8/24/16

Units: µg/L
Basis: NA

Volatile Organic Compounds by GC/MS**Analytical Method:** 8260B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Benzene	ND	U	1.0	1	NA	8/26/16 20:37			511703
Ethylbenzene	1.3		1.0	1	NA	8/26/16 20:37			511703
m,p-Xylenes	ND	U	2.0	1	NA	8/26/16 20:37			511703
o-Xylene	ND	U	1.0	1	NA	8/26/16 20:37			511703
Toluene	ND	U	1.0	1	NA	8/26/16 20:37			511703

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	121	70-130	8/26/16 20:37	
4-Bromofluorobenzene	96	70-130	8/26/16 20:37	
Dibromofluoromethane	115	70-130	8/26/16 20:37	
Toluene-d8	97	70-130	8/26/16 20:37	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: Beazer East, Inc.
Project: Gainesville 2016 3Q-Annual GW Sampling/OM-0450-16
Sample Matrix: Water
Sample Name: GAIN-HG-34S-082316
Lab Code: J1606036-011

Service Request: J1606036
Date Collected: 8/23/16 1152
Date Received: 8/24/16
Units: µg/L
Basis: NA

Volatile Organic Compounds by GC/MS**Analytical Method:** 8260B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Benzene	590		10	10	NA	8/29/16 18:56			511998
Ethylbenzene	140		1.0	1	NA	8/26/16 21:01			511703
m,p-Xylenes	190		2.0	1	NA	8/26/16 21:01			511703
o-Xylene	84		1.0	1	NA	8/26/16 21:01			511703
Toluene	460		1.0	1	NA	8/26/16 21:01			511703

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	115	70-130	8/26/16 21:01	
4-Bromofluorobenzene	88	70-130	8/26/16 21:01	
Dibromofluoromethane	111	70-130	8/26/16 21:01	
Toluene-d8	94	70-130	8/26/16 21:01	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: Beazer East, Inc.
Project: Gainesville 2016 3Q-Annual GW Sampling/OM-0450-16
Sample Matrix: Water
Sample Name: GAIN-HG-33S-082316
Lab Code: J1606036-012

Service Request: J1606036
Date Collected: 8/23/16 1607
Date Received: 8/24/16

Units: µg/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Benzene	300		1.0	1	NA	8/26/16 21:24			511703
Ethylbenzene	91		1.0	1	NA	8/26/16 21:24			511703
m,p-Xylenes	120		2.0	1	NA	8/26/16 21:24			511703
o-Xylene	52		1.0	1	NA	8/26/16 21:24			511703
Toluene	27		1.0	1	NA	8/26/16 21:24			511703

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	113	70-130	8/26/16 21:24	
4-Bromofluorobenzene	93	70-130	8/26/16 21:24	
Dibromofluoromethane	109	70-130	8/26/16 21:24	
Toluene-d8	94	70-130	8/26/16 21:24	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: Beazer East, Inc.
Project: Gainesville 2016 3Q-Annual GW Sampling/OM-0450-16
Sample Matrix: Water
Sample Name: GAIN-HG-22D-082316
Lab Code: J1606036-013

Service Request: J1606036
Date Collected: 8/23/16 1020
Date Received: 8/24/16
Units: µg/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Benzene	ND	U	1.0	1	NA	8/26/16 21:47			511703
Ethylbenzene	ND	U	1.0	1	NA	8/26/16 21:47			511703
m,p-Xylenes	ND	U	2.0	1	NA	8/26/16 21:47			511703
o-Xylene	ND	U	1.0	1	NA	8/26/16 21:47			511703
Toluene	ND	U	1.0	1	NA	8/26/16 21:47			511703

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	114	70-130	8/26/16 21:47	
4-Bromofluorobenzene	99	70-130	8/26/16 21:47	
Dibromofluoromethane	107	70-130	8/26/16 21:47	
Toluene-d8	96	70-130	8/26/16 21:47	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: Beazer East, Inc.
Project: Gainesville 2016 3Q-Annual GW Sampling/OM-0450-16
Sample Matrix: Water
Sample Name: GAIN-HG-5D-082316
Lab Code: J1606036-014

Service Request: J1606036
Date Collected: 8/23/16 1151
Date Received: 8/24/16

Units: µg/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Benzene	ND	U	1.0	1	NA	8/26/16 22:10			511703
Ethylbenzene	ND	U	1.0	1	NA	8/26/16 22:10			511703
m,p-Xylenes	ND	U	2.0	1	NA	8/26/16 22:10			511703
o-Xylene	ND	U	1.0	1	NA	8/26/16 22:10			511703
Toluene	ND	U	1.0	1	NA	8/26/16 22:10			511703

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	117	70-130	8/26/16 22:10	
4-Bromofluorobenzene	99	70-130	8/26/16 22:10	
Dibromofluoromethane	109	70-130	8/26/16 22:10	
Toluene-d8	95	70-130	8/26/16 22:10	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: Beazer East, Inc.
Project: Gainesville 2016 3Q-Annual GW Sampling/OM-0450-16
Sample Matrix: Water
Sample Name: GAIN-EB-07-082316
Lab Code: J1606036-015

Service Request: J1606036
Date Collected: 8/23/16 1221
Date Received: 8/24/16
Units: µg/L
Basis: NA

Volatile Organic Compounds by GC/MS**Analytical Method:** 8260B

Analyte Name	Result Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Benzene	ND U	1.0	1	NA	8/26/16 16:45			511703
Ethylbenzene	ND U	1.0	1	NA	8/26/16 16:45			511703
m,p-Xylenes	ND U	2.0	1	NA	8/26/16 16:45			511703
o-Xylene	ND U	1.0	1	NA	8/26/16 16:45			511703
Toluene	ND U	1.0	1	NA	8/26/16 16:45			511703

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	119	70-130	8/26/16 16:45	
4-Bromofluorobenzene	96	70-130	8/26/16 16:45	
Dibromofluoromethane	113	70-130	8/26/16 16:45	
Toluene-d8	95	70-130	8/26/16 16:45	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: Beazer East, Inc.
Project: Gainesville 2016 3Q-Annual GW Sampling/OM-0450-16
Sample Matrix: Water
Sample Name: GAIN-HG-20D-082316
Lab Code: J1606036-016

Service Request: J1606036
Date Collected: 8/23/16 1422
Date Received: 8/24/16
Units: µg/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Benzene	2.4		1.0	1	NA	8/26/16 22:33			511703
Ethylbenzene	2.2		1.0	1	NA	8/26/16 22:33			511703
m,p-Xylenes	2.7		2.0	1	NA	8/26/16 22:33			511703
o-Xylene	1.4		1.0	1	NA	8/26/16 22:33			511703
Toluene	ND	U	1.0	1	NA	8/26/16 22:33			511703

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	116	70-130	8/26/16 22:33	
4-Bromofluorobenzene	95	70-130	8/26/16 22:33	
Dibromofluoromethane	110	70-130	8/26/16 22:33	
Toluene-d8	96	70-130	8/26/16 22:33	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: Beazer East, Inc.
Project: Gainesville 2016 3Q-Annual GW Sampling/OM-0450-16
Sample Matrix: Water
Sample Name: GAIN-FB-07-082316
Lab Code: J1606036-017

Service Request: J1606036
Date Collected: 8/23/16 1445
Date Received: 8/24/16

Units: µg/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analyte Name	Result	Q	MRL	Dilution	Date	Date	Extraction	Analysis
				Factor	Extracted	Analyzed	Lot	Lot
Benzene	ND	U	1.0	1	NA	8/26/16 16:22		511703
Ethylbenzene	ND	U	1.0	1	NA	8/26/16 16:22		511703
m,p-Xylenes	ND	U	2.0	1	NA	8/26/16 16:22		511703
o-Xylene	ND	U	1.0	1	NA	8/26/16 16:22		511703
Toluene	ND	U	1.0	1	NA	8/26/16 16:22		511703

Surrogate Name	%Rec	Control	Date	Q
		Limits	Analyzed	
1,2-Dichloroethane-d4	118	70-130	8/26/16 16:22	
4-Bromofluorobenzene	100	70-130	8/26/16 16:22	
Dibromofluoromethane	110	70-130	8/26/16 16:22	
Toluene-d8	95	70-130	8/26/16 16:22	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Beazer East, Inc.	Service Request:	J1606036
Project:	Gainesville 2016 3Q-Annual GW Sampling/OM-0450-16	Date Collected:	8/23/16 1423
Sample Matrix:	Water	Date Received:	8/24/16
Sample Name:	GAIN-HG-20S-082316	Units:	µg/L
Lab Code:	J1606036-018	Basis:	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analyte Name	Result	Q	MRL	Dilution	Date	Date	Extraction	Analysis
				Factor	Extracted	Analyzed	Lot	Lot
Benzene	2.8		1.0	1	NA	8/26/16 22:56		511703
Ethylbenzene	1.7		1.0	1	NA	8/26/16 22:56		511703
m,p-Xylenes	ND	U	2.0	1	NA	8/26/16 22:56		511703
o-Xylene	1.0		1.0	1	NA	8/26/16 22:56		511703
Toluene	ND	U	1.0	1	NA	8/26/16 22:56		511703

Surrogate Name	%Rec	Control	Date	Q
		Limits	Analyzed	
1,2-Dichloroethane-d4	116	70-130	8/26/16 22:56	
4-Bromofluorobenzene	97	70-130	8/26/16 22:56	
Dibromofluoromethane	111	70-130	8/26/16 22:56	
Toluene-d8	96	70-130	8/26/16 22:56	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: Beazer East, Inc.
Project: Gainesville 2016 3Q-Annual GW Sampling/OM-0450-16
Sample Matrix: Water
Sample Name: GAIN-HG-2D-082316
Lab Code: J1606036-019

Service Request: J1606036
Date Collected: 8/23/16 1649
Date Received: 8/24/16
Units: µg/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Benzene	44		1.0	1	NA	8/26/16 23:20			511703
Ethylbenzene	30		1.0	1	NA	8/26/16 23:20			511703
m,p-Xylenes	41		2.0	1	NA	8/26/16 23:20			511703
o-Xylene	19		1.0	1	NA	8/26/16 23:20			511703
Toluene	15		1.0	1	NA	8/26/16 23:20			511703

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	114	70-130	8/26/16 23:20	
4-Bromofluorobenzene	94	70-130	8/26/16 23:20	
Dibromofluoromethane	109	70-130	8/26/16 23:20	
Toluene-d8	95	70-130	8/26/16 23:20	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: Beazer East, Inc.
Project: Gainesville 2016 3Q-Annual GW Sampling/OM-0450-16
Sample Matrix: Water
Sample Name: Method Blank
Lab Code: JQ1606457-05

Service Request: J1606036
Date Collected: NA
Date Received: NA
Units: µg/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Benzene	ND	U	1.0	1	NA	8/26/16 15:59			511703
Ethylbenzene	ND	U	1.0	1	NA	8/26/16 15:59			511703
m,p-Xylenes	ND	U	2.0	1	NA	8/26/16 15:59			511703
o-Xylene	ND	U	1.0	1	NA	8/26/16 15:59			511703
Toluene	ND	U	1.0	1	NA	8/26/16 15:59			511703

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	118	70-130	8/26/16 15:59	
4-Bromofluorobenzene	98	70-130	8/26/16 15:59	
Dibromofluoromethane	112	70-130	8/26/16 15:59	
Toluene-d8	95	70-130	8/26/16 15:59	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: Beazer East, Inc.
Project: Gainesville 2016 3Q-Annual GW Sampling/OM-0450-16
Sample Matrix: Water
Sample Name: Method Blank
Lab Code: JQ1606519-05

Service Request: J1606036
Date Collected: NA
Date Received: NA
Units: µg/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analyte Name	Result	Q	MRL	Dilution	Date	Date	Extraction	Analysis
				Factor	Extracted	Analyzed	Lot	Lot
Benzene	ND	U	1.0	1	NA	8/29/16 18:07		511998
Ethylbenzene	ND	U	1.0	1	NA	8/29/16 18:07		511998
m,p-Xylenes	ND	U	2.0	1	NA	8/29/16 18:07		511998
o-Xylene	ND	U	1.0	1	NA	8/29/16 18:07		511998
Toluene	ND	U	1.0	1	NA	8/29/16 18:07		511998

Surrogate Name	%Rec	Control	Date	Q
		Limits	Analyzed	
1,2-Dichloroethane-d4	115	70-130	8/29/16 18:07	
4-Bromofluorobenzene	97	70-130	8/29/16 18:07	
Dibromofluoromethane	109	70-130	8/29/16 18:07	
Toluene-d8	96	70-130	8/29/16 18:07	

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: Beazer East, Inc.
Project: Gainesville 2016 3Q-Annual GW Sampling/OM-0450-16
Sample Matrix: Water

Service Request: J1606036

**Surrogate Recovery Summary
Volatile Organic Compounds by GC/MS**

Analytical Method: 8260B**Units:** Percent

Sample Name	Lab Code	Sur1	Sur2	Sur3	Sur4
GAIN-HG-24S-082216	J1606036-001	120	98	113	97
GAIN-EB-06-082216	J1606036-002	119	98	113	95
GAIN-HG-27S-082216	J1606036-003	120	97	112	96
GAIN-HG-21S-082216	J1606036-004	121	97	114	96
GAIN-HG-35S-082216	J1606036-005	119	97	112	96
GAIN-HG-23D-082216	J1606036-006	120	97	113	95
GAIN-HG-25D-082216	J1606036-007	120	96	114	96
GAIN-HG-27D-082216	J1606036-008	120	96	113	95
GAIN-HG-99H-082216	J1606036-009	123	96	116	96
GAIN-HG-6S-082316	J1606036-010	121	96	115	97
GAIN-HG-34S-082316	J1606036-011	115	88	111	94
GAIN-HG-33S-082316	J1606036-012	113	93	109	94
GAIN-HG-22D-082316	J1606036-013	114	99	107	96
GAIN-HG-5D-082316	J1606036-014	117	99	109	95
GAIN-EB-07-082316	J1606036-015	119	96	113	95
GAIN-HG-20D-082316	J1606036-016	116	95	110	96
GAIN-FB-07-082316	J1606036-017	118	100	110	95
GAIN-HG-20S-082316	J1606036-018	116	97	111	96
GAIN-HG-2D-082316	J1606036-019	114	94	109	95
Method Blank	JQ1606457-05	118	98	112	95
Method Blank	JQ1606519-05	115	97	109	96
Lab Control Sample	JQ1606457-03	112	93	109	95
Duplicate Lab Control Sample	JQ1606457-04	111	93	108	95
Lab Control Sample	JQ1606519-03	108	94	107	96
Duplicate Lab Control Sample	JQ1606519-04	107	93	108	95

Surrogate Recovery Control Limits (%)

Sur1 = 1,2-Dichloroethane-d4	70 - 130
Sur2 = 4-Bromofluorobenzene	70 - 130
Sur3 = Dibromofluoromethane	70 - 130
Sur4 = Toluene-d8	70 - 130

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

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

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: Beazer East, Inc.
Project: Gainesville 2016 3Q-Annual GW Sampling/OM-0450-16

Service Request: J1606036
Date Analyzed: 8/26/16 13:39

**Internal Standard Area and RT Summary
Volatile Organic Compounds by GC/MS**

File ID: I:\MS55\DATA\160825\160825059.D\
Instrument ID: J-MS-55
Analytical Method: 8260B

Lab Code: JQ1606457-02
Analysis Lot: 511703
Signal ID:

	1,4-Dichlorobenzene-d4		Chlorobenzene-d5		Fluorobenzene	
	<u>Area</u>	<u>RT</u>	<u>Area</u>	<u>RT</u>	<u>Area</u>	<u>RT</u>
ICAL Result ==>	391,404	12.81	444,614	10.93	1,076,130	7.85
Upper Limit ==>	782,808	13.81	889,228	11.93	2,152,260	8.85
Lower Limit ==>	195,702	11.81	222,307	9.93	538,065	6.85

Associated Analyses

Continuing Calibration Verification	JQ1606457-02	313,853	12.81	352,156	10.93	770,407	7.85
Lab Control Sample	JQ1606457-03	320,051	12.81	362,392	10.93	802,250	7.85
Duplicate Lab Control Sample	JQ1606457-04	306,328	12.81	345,103	10.93	764,766	7.85
Method Blank	JQ1606457-05	264,101	12.81	337,636	10.93	752,693	7.85
GAIN-FB-07-082316	J1606036-017	260,231	12.81	335,293	10.93	757,759	7.85
GAIN-EB-07-082316	J1606036-015	261,984	12.81	330,053	10.93	735,905	7.85
GAIN-HG-24S-082216	J1606036-001	245,622	12.81	316,970	10.93	723,863	7.85
GAIN-EB-06-082216	J1606036-002	263,312	12.81	331,312	10.93	743,341	7.85
GAIN-HG-27S-082216	J1606036-003	261,737	12.81	336,633	10.93	761,154	7.85
GAIN-HG-21S-082216	J1606036-004	244,815	12.81	311,212	10.93	706,360	7.85
GAIN-HG-35S-082216	J1606036-005	248,239	12.81	313,736	10.93	717,704	7.85
GAIN-HG-23D-082216	J1606036-006	259,064	12.81	336,796	10.93	758,674	7.86
GAIN-HG-25D-082216	J1606036-007	255,782	12.81	326,415	10.93	733,134	7.85
GAIN-HG-27D-082216	J1606036-008	260,238	12.81	334,123	10.93	749,508	7.85
GAIN-HG-99H-082216	J1606036-009	247,411	12.81	315,830	10.93	704,428	7.85
GAIN-HG-6S-082316	J1606036-010	242,857	12.81	306,384	10.93	695,014	7.86
GAIN-HG-34S-082316	J1606036-011	312,202	12.81	328,389	10.93	744,616	7.85
GAIN-HG-33S-082316	J1606036-012	307,691	12.81	346,010	10.93	782,962	7.85
GAIN-HG-22D-082316	J1606036-013	278,873	12.81	352,460	10.93	808,301	7.85
GAIN-HG-5D-082316	J1606036-014	264,993	12.81	336,755	10.93	755,608	7.85
GAIN-HG-20D-082316	J1606036-016	273,276	12.81	327,520	10.93	748,045	7.85
GAIN-HG-20S-082316	J1606036-018	274,265	12.81	329,259	10.93	754,454	7.85
GAIN-HG-2D-082316	J1606036-019	303,297	12.81	342,139	10.93	774,403	7.85

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

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: Beazer East, Inc.
Project: Gainesville 2016 3Q-Annual GW Sampling/OM-0450-16

Service Request: J1606036
Date Analyzed: 8/27/16 00:29

**Internal Standard Area and RT Summary
Volatile Organic Compounds by GC/MS**

File ID: I:\MS55\DATA\160825\160825087.D\
Instrument ID: J-MS-55
Analytical Method: 8260B

Lab Code: JQ1606457-06
Analysis Lot: 511703
Signal ID:

	1,4-Dichlorobenzene-d4		Chlorobenzene-d5		Fluorobenzene	
	<u>Area</u>	<u>RT</u>	<u>Area</u>	<u>RT</u>	<u>Area</u>	<u>RT</u>
ICAL Result ==>	391,404	12.81	444,614	10.93	1,076,130	7.85
Upper Limit ==>	782,808	13.81	889,228	11.93	2,152,260	8.85
Lower Limit ==>	195,702	11.81	222,307	9.93	538,065	6.85

Associated Analyses

Continuing Calibration Verification	JQ1606457-06	325,637	12.81	361,943	10.93	793,029	7.85
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Results flagged with an asterisk (*) indicate values outside control criteria.

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: Beazer East, Inc.
Project: Gainesville 2016 3Q-Annual GW Sampling/OM-0450-16

Service Request: J1606036
Date Analyzed: 8/29/16 15:25

**Internal Standard Area and RT Summary
Volatile Organic Compounds by GC/MS**

File ID: I:\MS55\DATA\160829\160829002.D\
Instrument ID: J-MS-55
Analytical Method: 8260B

Lab Code: JQ1606519-02
Analysis Lot: 511998
Signal ID:

	1,4-Dichlorobenzene-d4		Chlorobenzene-d5		Fluorobenzene	
	<u>Area</u>	<u>RT</u>	<u>Area</u>	<u>RT</u>	<u>Area</u>	<u>RT</u>
ICAL Result ==>	391,404	12.81	444,614	10.93	1,076,130	7.85
Upper Limit ==>	782,808	13.81	889,228	11.93	2,152,260	8.85
Lower Limit ==>	195,702	11.81	222,307	9.93	538,065	6.85

Associated Analyses

Continuing Calibration Verification	JQ1606519-02	340,596	12.81	379,320	10.93	849,621	7.85
Lab Control Sample	JQ1606519-03	326,552	12.81	363,953	10.93	827,559	7.85
Duplicate Lab Control Sample	JQ1606519-04	326,935	12.81	367,416	10.93	818,748	7.85
Method Blank	JQ1606519-05	295,854	12.81	362,619	10.93	823,851	7.85
GAIN-HG-34S-082316	J1606036-011	286,722	12.81	330,878	10.93	766,018	7.85

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

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: Beazer East, Inc.
Project: Gainesville 2016 3Q-Annual GW Sampling/OM-0450-16

Service Request: J1606036
Date Analyzed: 8/30/16 03:47

**Internal Standard Area and RT Summary
Volatile Organic Compounds by GC/MS**

File ID: I:\MS55\DATA\160829\160829033.D\
Instrument ID: J-MS-55
Analytical Method: 8260B

Lab Code: JQ1606519-06
Analysis Lot: 511998
Signal ID:

	1,4-Dichlorobenzene-d4		Chlorobenzene-d5		Fluorobenzene	
	<u>Area</u>	<u>RT</u>	<u>Area</u>	<u>RT</u>	<u>Area</u>	<u>RT</u>
ICAL Result ==>	391,404	12.81	444,614	10.93	1,076,130	7.85
Upper Limit ==>	782,808	13.81	889,228	11.93	2,152,260	8.85
Lower Limit ==>	195,702	11.81	222,307	9.93	538,065	6.85

Associated Analyses

Continuing Calibration Verification	JQ1606519-06	347,199	12.81	391,388	10.93	871,066	7.85
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Results flagged with an asterisk (*) indicate values outside control criteria.

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: Beazer East, Inc.
Project: Gainesville 2016 3Q-Annual GW Sampling/OM-0450-16
Sample Matrix: Water

Service Request: J1606036
Date Analyzed: 8/26/16

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Units: µg/L
Basis: NA

Analysis Lot: 511703

Analyte Name	Lab Control Sample JQ1606457-03			Duplicate Lab Control Sample JQ1606457-04			% Rec Limits	RPD	RPD Limit
	Result	Spike Amount	% Rec	Result	Spike Amount	% Rec			
Benzene	51.8	50.0	104	54.6	50.0	109	70 - 130	5	30
Ethylbenzene	46.3	50.0	93	49.2	50.0	98	70 - 130	6	30
m,p-Xylenes	93.7	100	94	99.7	100	100	70 - 130	6	30
o-Xylene	44.2	50.0	88	47.4	50.0	95	70 - 130	7	30
Toluene	47.3	50.0	95	49.8	50.0	100	70 - 130	5	30

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

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

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: Beazer East, Inc.
Project: Gainesville 2016 3Q-Annual GW Sampling/OM-0450-16
Sample Matrix: Water

Service Request: J1606036
Date Analyzed: 8/29/16

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Analytical Method: 8260B**Units:** µg/L**Basis:** NA**Analysis Lot:** 511998

Analyte Name	Lab Control Sample JQ1606519-03			Duplicate Lab Control Sample JQ1606519-04				% Rec	RPD	RPD Limit
	Result	Spike Amount	% Rec	Result	Spike Amount	% Rec				
Benzene	55.0	50.0	110	55.6	50.0	111	70 - 130	1	30	
Ethylbenzene	51.8	50.0	104	51.3	50.0	103	70 - 130	1	30	
m,p-Xylenes	105	100	105	103	100	103	70 - 130	2	30	
o-Xylene	50.1	50.0	100	49.8	50.0	100	70 - 130	<1	30	
Toluene	51.7	50.0	103	51.6	50.0	103	70 - 130	<1	30	

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

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

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ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: Beazer East, Inc.
Project: Gainesville 2016 3Q-Annual GW Sampling/OM-0450-16
Sample Matrix: Water

Service Request: J1606036
Date Analyzed: 8/26/16 15:59

Method Blank Summary
Volatile Organic Compounds by GC/MS

Sample Name: Method Blank **Instrument ID:** J-MS-55
Lab Code: JQ1606457-05 **File ID:** I:\MS55\DATA\160825\160825065.D\
Analytical Method: 8260B

This Method Blank applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed
Lab Control Sample	JQ1606457-03	I:\MS55\DATA\160825\160825060.D\	8/26/16 14:03
Duplicate Lab Control Sample	JQ1606457-04	I:\MS55\DATA\160825\160825061.D\	8/26/16 14:26
GAIN-FB-07-082316	J1606036-017	I:\MS55\DATA\160825\160825066.D\	8/26/16 16:22
GAIN-EB-07-082316	J1606036-015	I:\MS55\DATA\160825\160825067.D\	8/26/16 16:45
GAIN-HG-24S-082216	J1606036-001	I:\MS55\DATA\160825\160825068.D\	8/26/16 17:09
GAIN-EB-06-082216	J1606036-002	I:\MS55\DATA\160825\160825069.D\	8/26/16 17:32
GAIN-HG-27S-082216	J1606036-003	I:\MS55\DATA\160825\160825070.D\	8/26/16 17:55
GAIN-HG-21S-082216	J1606036-004	I:\MS55\DATA\160825\160825071.D\	8/26/16 18:18
GAIN-HG-35S-082216	J1606036-005	I:\MS55\DATA\160825\160825072.D\	8/26/16 18:41
GAIN-HG-23D-082216	J1606036-006	I:\MS55\DATA\160825\160825073.D\	8/26/16 19:05
GAIN-HG-25D-082216	J1606036-007	I:\MS55\DATA\160825\160825074.D\	8/26/16 19:28
GAIN-HG-27D-082216	J1606036-008	I:\MS55\DATA\160825\160825075.D\	8/26/16 19:51
GAIN-HG-99H-082216	J1606036-009	I:\MS55\DATA\160825\160825076.D\	8/26/16 20:14
GAIN-HG-6S-082316	J1606036-010	I:\MS55\DATA\160825\160825077.D\	8/26/16 20:37
GAIN-HG-34S-082316	J1606036-011	I:\MS55\DATA\160825\160825078.D\	8/26/16 21:01
GAIN-HG-33S-082316	J1606036-012	I:\MS55\DATA\160825\160825079.D\	8/26/16 21:24
GAIN-HG-22D-082316	J1606036-013	I:\MS55\DATA\160825\160825080.D\	8/26/16 21:47
GAIN-HG-5D-082316	J1606036-014	I:\MS55\DATA\160825\160825081.D\	8/26/16 22:10
GAIN-HG-20D-082316	J1606036-016	I:\MS55\DATA\160825\160825082.D\	8/26/16 22:33
GAIN-HG-20S-082316	J1606036-018	I:\MS55\DATA\160825\160825083.D\	8/26/16 22:56
GAIN-HG-2D-082316	J1606036-019	I:\MS55\DATA\160825\160825084.D\	8/26/16 23:20

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: Beazer East, Inc.
Project: Gainesville 2016 3Q-Annual GW Sampling/OM-0450-16
Sample Matrix: Water

Service Request: J1606036
Date Analyzed: 8/29/16 18:07

Method Blank Summary
Volatile Organic Compounds by GC/MS

Sample Name: Method Blank **Instrument ID:** J-MS-55
Lab Code: JQ1606519-05 **File ID:** I:\MS55\DATA\160829\160829009.D\
Analytical Method: 8260B

This Method Blank applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed
Lab Control Sample	JQ1606519-03	I:\MS55\DATA\160829\160829003.D\	8/29/16 15:48
Duplicate Lab Control Sample	JQ1606519-04	I:\MS55\DATA\160829\160829004.D\	8/29/16 16:11
GAIN-HG-34S-082316	J1606036-011	I:\MS55\DATA\160829\160829011.D\	8/29/16 18:56

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: Beazer East, Inc.
Project: Gainesville 2016 3Q-Annual GW Sampling/OM-0450-16
Sample Matrix: Water

Service Request: J1606036
Date Analyzed: 8/26/16 14:03

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Sample Name: Lab Control Sample**Instrument ID:** J-MS-55**Lab Code:** JQ1606457-03**File ID:** I:\MS55\DATA\160825\160825060.D**Analytical Method:** 8260B

This Lab Control Sample applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed
Duplicate Lab Control Sample	JQ1606457-04	I:\MS55\DATA\160825\160825061.D\	8/26/16 14:26
Method Blank	JQ1606457-05	I:\MS55\DATA\160825\160825065.D\	8/26/16 15:59
GAIN-FB-07-082316	J1606036-017	I:\MS55\DATA\160825\160825066.D\	8/26/16 16:22
GAIN-EB-07-082316	J1606036-015	I:\MS55\DATA\160825\160825067.D\	8/26/16 16:45
GAIN-HG-24S-082216	J1606036-001	I:\MS55\DATA\160825\160825068.D\	8/26/16 17:09
GAIN-EB-06-082216	J1606036-002	I:\MS55\DATA\160825\160825069.D\	8/26/16 17:32
GAIN-HG-27S-082216	J1606036-003	I:\MS55\DATA\160825\160825070.D\	8/26/16 17:55
GAIN-HG-21S-082216	J1606036-004	I:\MS55\DATA\160825\160825071.D\	8/26/16 18:18
GAIN-HG-35S-082216	J1606036-005	I:\MS55\DATA\160825\160825072.D\	8/26/16 18:41
GAIN-HG-23D-082216	J1606036-006	I:\MS55\DATA\160825\160825073.D\	8/26/16 19:05
GAIN-HG-25D-082216	J1606036-007	I:\MS55\DATA\160825\160825074.D\	8/26/16 19:28
GAIN-HG-27D-082216	J1606036-008	I:\MS55\DATA\160825\160825075.D\	8/26/16 19:51
GAIN-HG-99H-082216	J1606036-009	I:\MS55\DATA\160825\160825076.D\	8/26/16 20:14
GAIN-HG-6S-082316	J1606036-010	I:\MS55\DATA\160825\160825077.D\	8/26/16 20:37
GAIN-HG-34S-082316	J1606036-011	I:\MS55\DATA\160825\160825078.D\	8/26/16 21:01
GAIN-HG-33S-082316	J1606036-012	I:\MS55\DATA\160825\160825079.D\	8/26/16 21:24
GAIN-HG-22D-082316	J1606036-013	I:\MS55\DATA\160825\160825080.D\	8/26/16 21:47
GAIN-HG-5D-082316	J1606036-014	I:\MS55\DATA\160825\160825081.D\	8/26/16 22:10
GAIN-HG-20D-082316	J1606036-016	I:\MS55\DATA\160825\160825082.D\	8/26/16 22:33
GAIN-HG-20S-082316	J1606036-018	I:\MS55\DATA\160825\160825083.D\	8/26/16 22:56
GAIN-HG-2D-082316	J1606036-019	I:\MS55\DATA\160825\160825084.D\	8/26/16 23:20

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: Beazer East, Inc.
Project: Gainesville 2016 3Q-Annual GW Sampling/OM-0450-16
Sample Matrix: Water

Service Request: J1606036
Date Analyzed: 8/29/16 15:48

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Sample Name: Lab Control Sample

Instrument ID: J-MS-55

Lab Code: JQ1606519-03

File ID: I:\MS55\DATA\160829\160829003.D\

Analytical Method: 8260B

This Lab Control Sample applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed
Duplicate Lab Control Sample	JQ1606519-04	I:\MS55\DATA\160829\160829004.D\	8/29/16 16:11
Method Blank	JQ1606519-05	I:\MS55\DATA\160829\160829009.D\	8/29/16 18:07
GAIN-HG-34S-082316	J1606036-011	I:\MS55\DATA\160829\160829011.D\	8/29/16 18:56

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: Beazer East, Inc.
Project: Gainesville 2016 3Q-Annual GW Sampling/OM-0450-16

Service Request: J1606036
Date Analyzed: 8/26/16 13:16

Tune Summary
Volatile Organic Compounds by GC/MS

File ID: I:\MS55\DATA\160825\160825058.D\
Instrument ID: J-MS-55

Analytical Method: 8260B
Analysis Lot: 511703

Target Mass	Relative to Mass	Lower Limit%	Upper Limit%	Relative Abundance %	Raw Abundance	Result Pass/Fail
50	95	15	40	22.84	4544	Pass
75	95	30	60	50.41	10028	Pass
95	95	100	100	100.00	19893	Pass
96	95	5	9	6.93	1378	Pass
173	174	0.00	2	0.20	36	Pass
174	95	50	100	91.63	18228	Pass
175	174	5	9	7.41	1351	Pass
176	174	95	101	97.51	17774	Pass
177	176	5	9	6.00	1066	Pass

Sample Name	Lab Code	File ID	Date Analyzed	Q
Continuing Calibration Verification	JQ1606457-02	I:\MS55\DATA\160825\160825059.D\	8/26/16 13:39	
Lab Control Sample	JQ1606457-03	I:\MS55\DATA\160825\160825060.D\	8/26/16 14:03	
Duplicate Lab Control Sample	JQ1606457-04	I:\MS55\DATA\160825\160825061.D\	8/26/16 14:26	
Method Blank	JQ1606457-05	I:\MS55\DATA\160825\160825065.D\	8/26/16 15:59	
GAIN-FB-07-082316	J1606036-017	I:\MS55\DATA\160825\160825066.D\	8/26/16 16:22	
GAIN-EB-07-082316	J1606036-015	I:\MS55\DATA\160825\160825067.D\	8/26/16 16:45	
GAIN-HG-24S-082216	J1606036-001	I:\MS55\DATA\160825\160825068.D\	8/26/16 17:09	
GAIN-EB-06-082216	J1606036-002	I:\MS55\DATA\160825\160825069.D\	8/26/16 17:32	
GAIN-HG-27S-082216	J1606036-003	I:\MS55\DATA\160825\160825070.D\	8/26/16 17:55	
GAIN-HG-21S-082216	J1606036-004	I:\MS55\DATA\160825\160825071.D\	8/26/16 18:18	
GAIN-HG-35S-082216	J1606036-005	I:\MS55\DATA\160825\160825072.D\	8/26/16 18:41	
GAIN-HG-23D-082216	J1606036-006	I:\MS55\DATA\160825\160825073.D\	8/26/16 19:05	
GAIN-HG-25D-082216	J1606036-007	I:\MS55\DATA\160825\160825074.D\	8/26/16 19:28	
GAIN-HG-27D-082216	J1606036-008	I:\MS55\DATA\160825\160825075.D\	8/26/16 19:51	
GAIN-HG-99H-082216	J1606036-009	I:\MS55\DATA\160825\160825076.D\	8/26/16 20:14	
GAIN-HG-6S-082316	J1606036-010	I:\MS55\DATA\160825\160825077.D\	8/26/16 20:37	
GAIN-HG-34S-082316	J1606036-011	I:\MS55\DATA\160825\160825078.D\	8/26/16 21:01	
GAIN-HG-33S-082316	J1606036-012	I:\MS55\DATA\160825\160825079.D\	8/26/16 21:24	
GAIN-HG-22D-082316	J1606036-013	I:\MS55\DATA\160825\160825080.D\	8/26/16 21:47	
GAIN-HG-5D-082316	J1606036-014	I:\MS55\DATA\160825\160825081.D\	8/26/16 22:10	
GAIN-HG-20D-082316	J1606036-016	I:\MS55\DATA\160825\160825082.D\	8/26/16 22:33	
GAIN-HG-20S-082316	J1606036-018	I:\MS55\DATA\160825\160825083.D\	8/26/16 22:56	
GAIN-HG-2D-082316	J1606036-019	I:\MS55\DATA\160825\160825084.D\	8/26/16 23:20	
Continuing Calibration Verification	JQ1606457-06	I:\MS55\DATA\160825\160825087.D\	8/27/16 00:29	

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: Beazer East, Inc.
Project: Gainesville 2016 3Q-Annual GW Sampling/OM-0450-16

Service Request: J1606036
Date Analyzed: 8/29/16 15:02

Tune Summary
Volatile Organic Compounds by GC/MS

File ID: I:\MS55\DATA\160829\160829001.D\
Instrument ID: J-MS-55

Analytical Method: 8260B
Analysis Lot: 511998

Target Mass	Relative to Mass	Lower Limit%	Upper Limit%	Relative Abundance %	Raw Abundance	Result Pass/Fail
50	95	15	40	23.10	48531	Pass
75	95	30	60	51.09	107328	Pass
95	95	100	100	100.00	210069	Pass
96	95	5	9	6.54	13740	Pass
173	174	0.00	2	1.44	2334	Pass
174	95	50	100	77.24	162261	Pass
175	174	5	9	7.63	12388	Pass
176	174	95	101	95.44	154859	Pass
177	176	5	9	6.89	10675	Pass

Sample Name	Lab Code	File ID	Date Analyzed	Q
Continuing Calibration Verification	JQ1606519-02	I:\MS55\DATA\160829\160829002.D\	8/29/16 15:25	
Lab Control Sample	JQ1606519-03	I:\MS55\DATA\160829\160829003.D\	8/29/16 15:48	
Duplicate Lab Control Sample	JQ1606519-04	I:\MS55\DATA\160829\160829004.D\	8/29/16 16:11	
Method Blank	JQ1606519-05	I:\MS55\DATA\160829\160829009.D\	8/29/16 18:07	
GAIN-HG-34S-082316	J1606036-011	I:\MS55\DATA\160829\160829011.D\	8/29/16 18:56	
Continuing Calibration Verification	JQ1606519-06	I:\MS55\DATA\160829\160829033.D\	8/30/16 03:47	

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: Beazer East, Inc.
Project: Gainesville 2016 3Q-Annual GW Sampling/OM-0450-16

Service Request: J1606036
Calibration Date: 8/2/16

Initial Calibration Summary
Volatile Organic Compounds by GC/MS

Calibration ID: JC1600056
Instrument ID: J-MS-55

Signal ID: 1

#	File Location	Acquisition Date	#	File Location	Acquisition Date
01	I:\MS55\DATA\160802\160802005.D	8/2/16 15:34	02	I:\MS55\DATA\160802\160802007.D	8/2/16 16:29
03	I:\MS55\DATA\160802\160802008.D	8/2/16 16:52	09	I:\MS55\DATA\160802\160802010.D	8/2/16 17:41
04	I:\MS55\DATA\160802\160802012.D	8/2/16 18:27	05	I:\MS55\DATA\160802\160802015.D	8/2/16 19:37
06	I:\MS55\DATA\160802\160802019.D	8/2/16 21:15	07	I:\MS55\DATA\160802\160802020.D	8/2/16 21:38

Analyte

Benzene

#	Amount	RF									
06	1.0000	1.262	01	5.0000	1.173	07	10.000	1.201	02	20.000	1.098
03	50.000	1.155	09	100.00	1.218	04	200.00	1.138	05	500.00	1.074

Ethylbenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
06	1.0000	1.103	01	5.0000	1.015	07	10.000	1.057	02	20.000	0.9583
03	50.000	0.9920	09	100.00	1.044	04	200.00	1.000	05	500.00	0.9518

m,p-Xylenes

#	Amount	RF									
06	2.0000	1.388	01	10.000	1.236	07	20.000	1.251	02	40.000	1.163
03	100.00	1.204	09	200.00	1.269	04	400.00	1.193	05	1000.0	1.073

o-Xylene

#	Amount	RF									
06	1.0000	1.313	01	5.0000	1.225	07	10.000	1.259	02	20.000	1.165
03	50.000	1.221	09	100.00	1.281	04	200.00	1.238	05	500.00	1.170

Toluene

#	Amount	RF									
06	1.0000	1.876	01	5.0000	1.769	07	10.000	1.805	02	20.000	1.633
03	50.000	1.726	09	100.00	1.802	04	200.00	1.719	05	500.00	1.639

1,2-Dichloroethane-d4

#	Amount	RF									
01	50	0.3165	06	50	0.3319	05	50	0.3127	02	50	0.3207
04	50	0.3143	07	50	0.3239	09	50	0.3160	03	50	0.3153

4-Bromofluorobenzene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	50	1.010	05	50	0.9500	09	50	0.9912	06	50	1.040
03	50	1.001	04	50	0.9897	07	50	1.014	02	50	0.9981

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QA/QC Report

Client: Beazer East, Inc.
Project: Gainesville 2016 3Q-Annual GW Sampling/OM-0450-16

Service Request: J1606036
Calibration Date: 8/2/16

Initial Calibration Summary
Volatile Organic Compounds by GC/MS

Calibration ID: JC1600056
Instrument ID: J-MS-55

Signal ID: 1

Analyte**Dibromofluoromethane**

#	Amount	RF									
01	50	0.2628	06	50	0.2638	05	50	0.2599	07	50	0.2660
04	50	0.2652	03	50	0.2674	09	50	0.2675	02	50	0.2654

Toluene-d8

#	Amount	RF									
09	50	2.344	03	50	2.371	02	50	2.369	04	50	2.378
05	50	2.395	06	50	2.379	07	50	2.355	01	50	2.391

Analyte Name	Compound Type	Calibration Evaluation				RRF Evaluation		
		Fit Type	Eval.	Result	Q	Control Criteria	Average RRF	Minimum Q RRF
Benzene	TRG	Average RF	% RSD	5.3	≤ 15		1.165	0.01
Ethylbenzene	TRG	Average RF	% RSD	5.0	≤ 15		1.015	0.01
m,p-Xylenes	TRG	Average RF	% RSD	7.4	≤ 15		1.222	0.01
o-Xylene	TRG	Average RF	% RSD	4.1	≤ 15		1.234	0.01
Toluene	TRG	Average RF	% RSD	4.8	≤ 15		1.746	0.01
1,2-Dichloroethane-d4	SURR	Average RF	% RSD	2.0	≤ 15		0.3189	0.01
4-Bromofluorobenzene	SURR	Average RF	% RSD	2.6	≤ 15		0.9994	0.01
Dibromofluoromethane	SURR	Average RF	% RSD	1.0	≤ 15		0.2648	0.01
Toluene-d8	SURR	Average RF	% RSD	0.7	≤ 15		2.373	0.01

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: Beazer East, Inc.
Project: Gainesville 2016 3Q-Annual GW Sampling/OM-0450-16

Service Request: J1606036
Calibration Date: 8/2/16

Initial Calibration Verification Summary
Volatile Organic Compounds by GC/MS

Calibration ID: JC1600056
Instrument ID: J-MS-55

Signal ID: 1

#	File Location	Acquisition Date
08	I:\MS55\DATA\160802\160802024.D	8/2/16 23:11

Analyte Name	Expected	Result	Average RF	SSV RF	%D	Criteria	Curve Fit
Benzene	100	103	1.165	1.197	2.77	±20	Average RF
Ethylbenzene	100	100	1.015	1.020	0.43	±20	Average RF
m,p-Xylenes	200	204	1.222	1.246	1.96	±20	Average RF
o-Xylene	100	101	1.234	1.247	1.01	±20	Average RF
Toluene	100	101	1.746	1.762	0.92	±20	Average RF
1,2-Dichloroethane-d4	50.0	51.0	0.3189	0.3250	1.92	±20	Average RF
4-Bromofluorobenzene	50.0	50.4	0.9994	1.007	0.75	±20	Average RF
Dibromofluoromethane	50.0	50.7	0.2648	0.2686	1.46	±20	Average RF
Toluene-d8	50.0	49.7	2.373	2.359	-0.58	±20	Average RF

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: Beazer East, Inc.
Project: Gainesville 2016 3Q-Annual GW Sampling/OM-0450-16

Service Request: J1606036
Date Analyzed: 8/26/16

**Continuing Calibration Verification Summary
Volatile Organic Compounds by GC/MS**

Analytical Method: 8260B**File ID:** I:\MS55\DATA\160825\160825059.D\

Calibration Date: 8/2/16
Calibration ID: JC1600056
Analysis Lot: 511703
Units: µg/L

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Benzene	50.0	53.8	1.165	1.253	7.6	NA	± 20 %	Average RF
Ethylbenzene	50.0	48.2	1.015	0.9780	-3.7	NA	± 20 %	Average RF
m,p-Xylenes	100	96.8	1.222	1.183	-3.2	NA	± 20 %	Average RF
o-Xylene	50.0	46.0	1.234	1.135	-8.0	NA	± 20 %	Average RF
Toluene	50.0	48.2	1.746	1.682	-3.7	NA	± 20 %	Average RF
1,2-Dichloroethane-d4	50.0	57.1	0.3189	0.3644	14.3	NA	± 30 %	Average RF
4-Bromofluorobenzene	50.0	46.6	0.9994	0.9308	-6.9	NA	± 30 %	Average RF
Dibromofluoromethane	50.0	55.5	0.2648	0.2939	11.0	NA	± 30 %	Average RF
Toluene-d8	50.0	47.3	2.373	2.244	-5.4	NA	± 30 %	Average RF

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: Beazer East, Inc.
Project: Gainesville 2016 3Q-Annual GW Sampling/OM-0450-16

Service Request: J1606036
Date Analyzed: 8/27/16

**Continuing Calibration Verification Summary
Volatile Organic Compounds by GC/MS**

Analytical Method: 8260B

Calibration Date: 8/2/16
Calibration ID: JC1600056
Analysis Lot: 511703
Units: µg/L

File ID: I:\MS55\DATA\160825\160825087.D\

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Benzene	50.0	53.3	1.165	1.241	6.5	NA	± 20 %	Average RF
Ethylbenzene	50.0	48.5	1.015	0.9850	-3.0	NA	± 20 %	Average RF
m,p-Xylenes	100	97.9	1.222	1.196	-2.1	NA	± 20 %	Average RF
o-Xylene	50.0	47.2	1.234	1.165	-5.6	NA	± 20 %	Average RF
Toluene	50.0	48.2	1.746	1.682	-3.7	NA	± 20 %	Average RF
1,2-Dichloroethane-d4	50.0	56.6	0.3189	0.3607	13.1	NA	± 30 %	Average RF
4-Bromofluorobenzene	50.0	46.2	0.9994	0.9241	-7.5	NA	± 30 %	Average RF
Dibromofluoromethane	50.0	54.6	0.2648	0.2891	9.2	NA	± 30 %	Average RF
Toluene-d8	50.0	47.1	2.373	2.237	-5.7	NA	± 30 %	Average RF

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: Beazer East, Inc.
Project: Gainesville 2016 3Q-Annual GW Sampling/OM-0450-16

Service Request: J1606036
Date Analyzed: 8/29/16

**Continuing Calibration Verification Summary
Volatile Organic Compounds by GC/MS**

Analytical Method: 8260B**File ID:** I:\MS55\DATA\160829\160829002.D\

Calibration Date: 8/2/16
Calibration ID: JC1600056
Analysis Lot: 511998
Units: µg/L

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Benzene	50.0	55.2	1.165	1.287	10.5	NA	± 20 %	Average RF
Ethylbenzene	50.0	51.4	1.015	1.043	2.7	NA	± 20 %	Average RF
m,p-Xylenes	100	103	1.222	1.264	3.4	NA	± 20 %	Average RF
o-Xylene	50.0	49.6	1.234	1.224	-0.8	NA	± 20 %	Average RF
Toluene	50.0	51.3	1.746	1.792	2.6	NA	± 20 %	Average RF
1,2-Dichloroethane-d4	50.0	54.6	0.3189	0.3480	9.1	NA	± 30 %	Average RF
4-Bromofluorobenzene	50.0	46.0	0.9994	0.9196	-8.0	NA	± 30 %	Average RF
Dibromofluoromethane	50.0	54.5	0.2648	0.2887	9.0	NA	± 30 %	Average RF
Toluene-d8	50.0	47.9	2.373	2.271	-4.3	NA	± 30 %	Average RF

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: Beazer East, Inc.
Project: Gainesville 2016 3Q-Annual GW Sampling/OM-0450-16

Service Request: J1606036
Date Analyzed: 8/30/16

**Continuing Calibration Verification Summary
Volatile Organic Compounds by GC/MS**

Analytical Method: 8260B**File ID:** I:\MS55\DATA\160829\160829033.D\

Calibration Date: 8/2/16
Calibration ID: JC1600056
Analysis Lot: 511998
Units: µg/L

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Benzene	50.0	53.4	1.165	1.243	6.7	NA	± 20 %	Average RF
Ethylbenzene	50.0	49.0	1.015	0.9946	-2.0	NA	± 20 %	Average RF
m,p-Xylenes	100	99.8	1.222	1.219	-0.3	NA	± 20 %	Average RF
o-Xylene	50.0	49.1	1.234	1.213	-1.7	NA	± 20 %	Average RF
Toluene	50.0	49.2	1.746	1.718	-1.6	NA	± 20 %	Average RF
1,2-Dichloroethane-d4	50.0	53.2	0.3189	0.3392	6.3	NA	± 30 %	Average RF
4-Bromofluorobenzene	50.0	47.6	0.9994	0.9512	-4.8	NA	± 30 %	Average RF
Dibromofluoromethane	50.0	52.3	0.2648	0.2771	4.7	NA	± 30 %	Average RF
Toluene-d8	50.0	47.2	2.373	2.240	-5.6	NA	± 30 %	Average RF

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client:

Beazer East, Inc.

Project:

Gainesville 2016 3Q-Annual GW Sampling/OM-0450-16

Service Request: J1606036

Analysis Run Log
Volatile Organic Compounds by GC/MS

Analytical Method: 8260B
Analysis Lot: 511998
Instrument ID: J-MS-55

Raw Data File	Sample Name	Lab Code	Date Analyzed	Time Analyzed	Q
160825078.D\	GAIN-HG-34S-082316	J1606036-011	8/26/16	21:01	
160825106.D\	ZZZZZZZ	ZZZZZZZ	8/27/16	07:49	
160825107.D\	ZZZZZZZ	ZZZZZZZ	8/27/16	08:12	
160829001.D\	Tune (Ion Ratios)	JQ1606519-01	8/29/16	15:02	
160829002.D\	Continuing Calibration Verification	JQ1606519-02	8/29/16	15:25	
160829003.D\	Lab Control Sample	JQ1606519-03	8/29/16	15:48	
160829004.D\	Duplicate Lab Control Sample	JQ1606519-04	8/29/16	16:11	
160829009.D\	Method Blank	JQ1606519-05	8/29/16	18:07	
160829010.D\	ZZZZZZZ	ZZZZZZZ	8/29/16	18:30	
160829011.D\	GAIN-HG-34S-082316	J1606036-011	8/29/16	18:56	
160829013.D\	ZZZZZZZ	ZZZZZZZ	8/29/16	19:47	
160829014.D\	ZZZZZZZ	ZZZZZZZ	8/29/16	20:11	
160829016.D\	ZZZZZZZ	ZZZZZZZ	8/29/16	20:57	
160829017.D\	ZZZZZZZ	ZZZZZZZ	8/29/16	21:23	
160829018.D\	ZZZZZZZ	ZZZZZZZ	8/29/16	21:49	
160829019.D\	ZZZZZZZ	ZZZZZZZ	8/29/16	22:14	
160829021.D\	ZZZZZZZ	ZZZZZZZ	8/29/16	23:03	
160829022.D\	ZZZZZZZ	ZZZZZZZ	8/29/16	23:27	
160829023.D\	ZZZZZZZ	ZZZZZZZ	8/29/16	23:50	
160829024.D\	ZZZZZZZ	ZZZZZZZ	8/30/16	00:13	
160829025.D\	ZZZZZZZ	ZZZZZZZ	8/30/16	00:36	
160829026.D\	ZZZZZZZ	ZZZZZZZ	8/30/16	00:59	
160829027.D\	ZZZZZZZ	ZZZZZZZ	8/30/16	01:22	
160829028.D\	ZZZZZZZ	ZZZZZZZ	8/30/16	01:46	
160829029.D\	ZZZZZZZ	ZZZZZZZ	8/30/16	02:11	
160829033.D\	Continuing Calibration Verification	JQ1606519-06	8/30/16	03:47	
160830025.D\	ZZZZZZZ	ZZZZZZZ	8/31/16	01:20	
160830026.D\	ZZZZZZZ	ZZZZZZZ	8/31/16	01:46	
160830027.D\	ZZZZZZZ	ZZZZZZZ	8/31/16	02:12	

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

ALS Group USA, Corp. dba ALS Environmental

Prep Summary Report

Client: Beazer East, Inc.
Project: Gainesville 2016 3Q-Annual GW Sampling/OM-0450-16
Sample Matrix: Water

Service Request: J1606036**Volatile Organic Compounds by GC/MS**

Prep Method: NA
Analytical Method: 8260B

Extraction Lot: NA

Sample Name	Lab Code	Date Collected	Date Received	Sample Amount	Final Amount	Percent Solids
GAIN-HG-24S-082216	J1606036-001	8/22/16	8/24/16	5 mL	5 mL	
GAIN-EB-06-082216	J1606036-002	8/22/16	8/24/16	5 mL	5 mL	
GAIN-HG-27S-082216	J1606036-003	8/22/16	8/24/16	5 mL	5 mL	
GAIN-HG-21S-082216	J1606036-004	8/22/16	8/24/16	5 mL	5 mL	
GAIN-HG-35S-082216	J1606036-005	8/22/16	8/24/16	5 mL	5 mL	
GAIN-HG-23D-082216	J1606036-006	8/22/16	8/24/16	5 mL	5 mL	
GAIN-HG-25D-082216	J1606036-007	8/22/16	8/24/16	5 mL	5 mL	
GAIN-HG-27D-082216	J1606036-008	8/22/16	8/24/16	5 mL	5 mL	
GAIN-HG-99H-082216	J1606036-009	8/22/16	8/24/16	5 mL	5 mL	
GAIN-HG-6S-082316	J1606036-010	8/23/16	8/24/16	5 mL	5 mL	
GAIN-HG-34S-082316	J1606036-011	8/23/16	8/24/16	5 mL	5 mL	
GAIN-HG-33S-082316	J1606036-012	8/23/16	8/24/16	5 mL	5 mL	
GAIN-HG-22D-082316	J1606036-013	8/23/16	8/24/16	5 mL	5 mL	
GAIN-HG-5D-082316	J1606036-014	8/23/16	8/24/16	5 mL	5 mL	
GAIN-EB-07-082316	J1606036-015	8/23/16	8/24/16	5 mL	5 mL	
GAIN-HG-20D-082316	J1606036-016	8/23/16	8/24/16	5 mL	5 mL	
GAIN-FB-07-082316	J1606036-017	8/23/16	8/24/16	5 mL	5 mL	
GAIN-HG-20S-082316	J1606036-018	8/23/16	8/24/16	5 mL	5 mL	
GAIN-HG-2D-082316	J1606036-019	8/23/16	8/24/16	5 mL	5 mL	
Method Blank	JQ1606457-05			5 mL	5 mL	
Method Blank	JQ1606519-05			5 mL	5 mL	
Lab Control Sample	JQ1606457-03			5 mL	5 mL	
Lab Control Sample	JQ1606519-03			5 mL	5 mL	
Duplicate Lab Control Sample	JQ1606457-04			5 mL	5 mL	
Duplicate Lab Control Sample	JQ1606519-04			5 mL	5 mL	

Organics Analysis: Semivolatile Organic Compounds by GC/MS

Summary Package

Sample and QC Results

Client: Beazer East, Inc.
Project: Gainesville 2016 3Q-Annual GW Sampling/OM-0450-16

Service Request: J1606036

Semivolatile Organic Compounds by GC/MS

Sample Name	Lab Code	Date Collected	Date Received
GAIN-HG-24S-082216	J1606036-001	08/22/2016	08/24/2016
GAIN-EB-06-082216	J1606036-002	08/22/2016	08/24/2016
GAIN-HG-27S-082216	J1606036-003	08/22/2016	08/24/2016
GAIN-HG-21S-082216	J1606036-004	08/22/2016	08/24/2016
GAIN-HG-35S-082216	J1606036-005	08/22/2016	08/24/2016
GAIN-HG-23D-082216	J1606036-006	08/22/2016	08/24/2016
GAIN-HG-25D-082216	J1606036-007	08/22/2016	08/24/2016
GAIN-HG-27D-082216	J1606036-008	08/22/2016	08/24/2016
GAIN-HG-99H-082216	J1606036-009	08/22/2016	08/24/2016
GAIN-HG-6S-082316	J1606036-010	08/23/2016	08/24/2016
GAIN-HG-34S-082316	J1606036-011	08/23/2016	08/24/2016
GAIN-HG-33S-082316	J1606036-012	08/23/2016	08/24/2016
GAIN-HG-22D-082316	J1606036-013	08/23/2016	08/24/2016
GAIN-HG-5D-082316	J1606036-014	08/23/2016	08/24/2016
GAIN-EB-07-082316	J1606036-015	08/23/2016	08/24/2016
GAIN-HG-20D-082316	J1606036-016	08/23/2016	08/24/2016
GAIN-FB-07-082316	J1606036-017	08/23/2016	08/24/2016
GAIN-HG-20S-082316	J1606036-018	08/23/2016	08/24/2016
GAIN-HG-2D-082316	J1606036-019	08/23/2016	08/24/2016

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: _____

Name: _____

Date: _____

Title: _____

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: Beazer East, Inc.
Project: Gainesville 2016 3Q-Annual GW Sampling/OM-0450-16
Sample Matrix: Water
Sample Name: GAIN-HG-24S-082216
Lab Code: J1606036-001

Service Request: J1606036
Date Collected: 8/22/16 1208
Date Received: 8/24/16

Units: µg/L
Basis: NA

Semivolatile Organic Compounds by GC/MS

Analytical Method: 8270D
Prep Method: EPA 3510C

Analyst Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
2,4-Dimethylphenol	ND	U	5.11	5.11	1	8/29/16	8/29/16 14:02	269647	512096	
2-Methylnaphthalene	ND	U	5.11	5.11	1	8/29/16	8/29/16 14:02	269647	512096	
2-Methylphenol	ND	U	5.11	5.11	1	8/29/16	8/29/16 14:02	269647	512096	
3- and 4-Methylphenol Coelution	ND	U	5.11	5.11	1	8/29/16	8/29/16 14:02	269647	512096	
Acenaphthene	ND	U	5.11	5.11	1	8/29/16	8/29/16 14:02	269647	512096	
Acenaphthylene	ND	U	5.11	5.11	1	8/29/16	8/29/16 14:02	269647	512096	
Anthracene	ND	U	5.11	5.11	1	8/29/16	8/29/16 14:02	269647	512096	
Benz(a)anthracene	ND	U	5.11	5.11	1	8/29/16	8/29/16 14:02	269647	512096	
Benzo(a)pyrene	ND	U	5.11	5.11	1	8/29/16	8/29/16 14:02	269647	512096	
Benzo(b)fluoranthene	ND	U	5.11	5.11	1	8/29/16	8/29/16 14:02	269647	512096	
Benzo(g,h,i)perylene	ND	U	5.11	5.11	1	8/29/16	8/29/16 14:02	269647	512096	
Benzo(k)fluoranthene	ND	U	5.11	5.11	1	8/29/16	8/29/16 14:02	269647	512096	
Carbazole	ND	U	5.10	1.84	1	8/29/16	8/29/16 14:02	269647	512096	
Chrysene	ND	U	5.11	5.11	1	8/29/16	8/29/16 14:02	269647	512096	
Dibenz(a,h)anthracene	ND	U	5.11	5.11	1	8/29/16	8/29/16 14:02	269647	512096	
Dibenzofuran	ND	U	5.11	5.11	1	8/29/16	8/29/16 14:02	269647	512096	
Fluoranthene	ND	U	5.11	5.11	1	8/29/16	8/29/16 14:02	269647	512096	
Fluorene	ND	U	5.11	5.11	1	8/29/16	8/29/16 14:02	269647	512096	
Indeno(1,2,3-cd)pyrene	ND	U	5.11	5.11	1	8/29/16	8/29/16 14:02	269647	512096	
Naphthalene	ND	U	5.11	5.11	1	8/29/16	8/29/16 14:02	269647	512096	
Pentachlorophenol (PCP)	ND	U	20.4	1.13	1	8/29/16	8/29/16 14:02	269647	512096	
Phenanthrene	ND	U	5.11	5.11	1	8/29/16	8/29/16 14:02	269647	512096	
Phenol	ND	U	5.11	5.11	1	8/29/16	8/29/16 14:02	269647	512096	
Pyrene	ND	U	5.11	5.11	1	8/29/16	8/29/16 14:02	269647	512096	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	39	30-150	8/29/16 14:02	
Phenol-d6	25	20-130	8/29/16 14:02	
Nitrobenzene-d5	46	30-150	8/29/16 14:02	
2-Fluorophenol	30	20-130	8/29/16 14:02	
2-Fluorobiphenyl	39	30-150	8/29/16 14:02	
p-Terphenyl-d14	61	30-150	8/29/16 14:02	

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Analytical Report

Client:	Beazer East, Inc.	Service Request:	J1606036
Project:	Gainesville 2016 3Q-Annual GW Sampling/OM-0450-16	Date Collected:	8/22/16 1225
Sample Matrix:	Water	Date Received:	8/24/16
Sample Name:	GAIN-EB-06-082216	Units:	µg/L
Lab Code:	J1606036-002	Basis:	NA

Semivolatile Organic Compounds by GC/MS

Analytical Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
2,4-Dimethylphenol	ND	U	5.00	5.00	1	8/29/16	8/29/16 14:29	269647	512096	
2-Methylnaphthalene	ND	U	5.00	5.00	1	8/29/16	8/29/16 14:29	269647	512096	
2-Methylphenol	ND	U	5.00	5.00	1	8/29/16	8/29/16 14:29	269647	512096	
3- and 4-Methylphenol Coelution	ND	U	5.00	5.00	1	8/29/16	8/29/16 14:29	269647	512096	
Acenaphthene	ND	U	5.00	5.00	1	8/29/16	8/29/16 14:29	269647	512096	
Acenaphthylene	ND	U	5.00	5.00	1	8/29/16	8/29/16 14:29	269647	512096	
Anthracene	ND	U	5.00	5.00	1	8/29/16	8/29/16 14:29	269647	512096	
Benz(a)anthracene	ND	U	5.00	5.00	1	8/29/16	8/29/16 14:29	269647	512096	
Benzo(a)pyrene	ND	U	5.00	5.00	1	8/29/16	8/29/16 14:29	269647	512096	
Benzo(b)fluoranthene	ND	U	5.00	5.00	1	8/29/16	8/29/16 14:29	269647	512096	
Benzo(g,h,i)perylene	ND	U	5.00	5.00	1	8/29/16	8/29/16 14:29	269647	512096	
Benzo(k)fluoranthene	ND	U	5.00	5.00	1	8/29/16	8/29/16 14:29	269647	512096	
Carbazole	ND	U	5.00	1.80	1	8/29/16	8/29/16 14:29	269647	512096	
Chrysene	ND	U	5.00	5.00	1	8/29/16	8/29/16 14:29	269647	512096	
Dibenz(a,h)anthracene	ND	U	5.00	5.00	1	8/29/16	8/29/16 14:29	269647	512096	
Dibenzofuran	ND	U	5.00	5.00	1	8/29/16	8/29/16 14:29	269647	512096	
Fluoranthene	ND	U	5.00	5.00	1	8/29/16	8/29/16 14:29	269647	512096	
Fluorene	ND	U	5.00	5.00	1	8/29/16	8/29/16 14:29	269647	512096	
Indeno(1,2,3-cd)pyrene	ND	U	5.00	5.00	1	8/29/16	8/29/16 14:29	269647	512096	
Naphthalene	ND	U	5.00	5.00	1	8/29/16	8/29/16 14:29	269647	512096	
Pentachlorophenol (PCP)	ND	U	20.0	1.10	1	8/29/16	8/29/16 14:29	269647	512096	
Phenanthrene	ND	U	5.00	5.00	1	8/29/16	8/29/16 14:29	269647	512096	
Phenol	ND	U	5.00	5.00	1	8/29/16	8/29/16 14:29	269647	512096	
Pyrene	ND	U	5.00	5.00	1	8/29/16	8/29/16 14:29	269647	512096	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	39	30-150	8/29/16 14:29	
Phenol-d6	23	20-130	8/29/16 14:29	
Nitrobenzene-d5	45	30-150	8/29/16 14:29	
2-Fluorophenol	27	20-130	8/29/16 14:29	
2-Fluorobiphenyl	45	30-150	8/29/16 14:29	
p-Terphenyl-d14	78	30-150	8/29/16 14:29	

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Analytical Report

Client: Beazer East, Inc.
Project: Gainesville 2016 3Q-Annual GW Sampling/OM-0450-16
Sample Matrix: Water
Sample Name: GAIN-HG-27S-082216
Lab Code: J1606036-003
Service Request: J1606036
Date Collected: 8/22/16 1451
Date Received: 8/24/16
Units: µg/L
Basis: NA

Semivolatile Organic Compounds by GC/MS

Analytical Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
2,4-Dimethylphenol	ND	U	5.11	5.11	1	8/29/16	8/29/16 14:57	269647	512096	
2-Methylnaphthalene	ND	U	5.11	5.11	1	8/29/16	8/29/16 14:57	269647	512096	
2-Methylphenol	ND	U	5.11	5.11	1	8/29/16	8/29/16 14:57	269647	512096	
3- and 4-Methylphenol Coelution	ND	U	5.11	5.11	1	8/29/16	8/29/16 14:57	269647	512096	
Acenaphthene	ND	U	5.11	5.11	1	8/29/16	8/29/16 14:57	269647	512096	
Acenaphthylene	ND	U	5.11	5.11	1	8/29/16	8/29/16 14:57	269647	512096	
Anthracene	ND	U	5.11	5.11	1	8/29/16	8/29/16 14:57	269647	512096	
Benz(a)anthracene	ND	U	5.11	5.11	1	8/29/16	8/29/16 14:57	269647	512096	
Benzo(a)pyrene	ND	U	5.11	5.11	1	8/29/16	8/29/16 14:57	269647	512096	
Benzo(b)fluoranthene	ND	U	5.11	5.11	1	8/29/16	8/29/16 14:57	269647	512096	
Benzo(g,h,i)perylene	ND	U	5.11	5.11	1	8/29/16	8/29/16 14:57	269647	512096	
Benzo(k)fluoranthene	ND	U	5.11	5.11	1	8/29/16	8/29/16 14:57	269647	512096	
Carbazole	ND	U	5.10	1.84	1	8/29/16	8/29/16 14:57	269647	512096	
Chrysene	ND	U	5.11	5.11	1	8/29/16	8/29/16 14:57	269647	512096	
Dibenz(a,h)anthracene	ND	U	5.11	5.11	1	8/29/16	8/29/16 14:57	269647	512096	
Dibenzofuran	ND	U	5.11	5.11	1	8/29/16	8/29/16 14:57	269647	512096	
Fluoranthene	ND	U	5.11	5.11	1	8/29/16	8/29/16 14:57	269647	512096	
Fluorene	ND	U	5.11	5.11	1	8/29/16	8/29/16 14:57	269647	512096	
Indeno(1,2,3-cd)pyrene	ND	U	5.11	5.11	1	8/29/16	8/29/16 14:57	269647	512096	
Naphthalene	ND	U	5.11	5.11	1	8/29/16	8/29/16 14:57	269647	512096	
Pentachlorophenol (PCP)	ND	U	20.4	1.13	1	8/29/16	8/29/16 14:57	269647	512096	
Phenanthrene	ND	U	5.11	5.11	1	8/29/16	8/29/16 14:57	269647	512096	
Phenol	ND	U	5.11	5.11	1	8/29/16	8/29/16 14:57	269647	512096	
Pyrene	ND	U	5.11	5.11	1	8/29/16	8/29/16 14:57	269647	512096	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	36	30-150	8/29/16 14:57	
Phenol-d6	24	20-130	8/29/16 14:57	
Nitrobenzene-d5	44	30-150	8/29/16 14:57	
2-Fluorophenol	28	20-130	8/29/16 14:57	
2-Fluorobiphenyl	42	30-150	8/29/16 14:57	
p-Terphenyl-d14	67	30-150	8/29/16 14:57	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Beazer East, Inc.	Service Request:	J1606036
Project:	Gainesville 2016 3Q-Annual GW Sampling/OM-0450-16	Date Collected:	8/22/16 1604
Sample Matrix:	Water	Date Received:	8/24/16
Sample Name:	GAIN-HG-21S-082216	Units:	µg/L
Lab Code:	J1606036-004	Basis:	NA

Semivolatile Organic Compounds by GC/MS

Analytical Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
2,4-Dimethylphenol	ND	U	5.11	5.11	1	8/29/16	8/29/16 15:24	269647	512096	
2-Methylnaphthalene	ND	U	5.11	5.11	1	8/29/16	8/29/16 15:24	269647	512096	
2-Methylphenol	ND	U	5.11	5.11	1	8/29/16	8/29/16 15:24	269647	512096	
3- and 4-Methylphenol Coelution	ND	U	5.11	5.11	1	8/29/16	8/29/16 15:24	269647	512096	
Acenaphthene	ND	U	5.11	5.11	1	8/29/16	8/29/16 15:24	269647	512096	
Acenaphthylene	ND	U	5.11	5.11	1	8/29/16	8/29/16 15:24	269647	512096	
Anthracene	ND	U	5.11	5.11	1	8/29/16	8/29/16 15:24	269647	512096	
Benz(a)anthracene	ND	U	5.11	5.11	1	8/29/16	8/29/16 15:24	269647	512096	
Benzo(a)pyrene	ND	U	5.11	5.11	1	8/29/16	8/29/16 15:24	269647	512096	
Benzo(b)fluoranthene	ND	U	5.11	5.11	1	8/29/16	8/29/16 15:24	269647	512096	
Benzo(g,h,i)perylene	ND	U	5.11	5.11	1	8/29/16	8/29/16 15:24	269647	512096	
Benzo(k)fluoranthene	ND	U	5.11	5.11	1	8/29/16	8/29/16 15:24	269647	512096	
Carbazole	ND	U	5.10	1.84	1	8/29/16	8/29/16 15:24	269647	512096	
Chrysene	ND	U	5.11	5.11	1	8/29/16	8/29/16 15:24	269647	512096	
Dibenz(a,h)anthracene	ND	U	5.11	5.11	1	8/29/16	8/29/16 15:24	269647	512096	
Dibenzofuran	ND	U	5.11	5.11	1	8/29/16	8/29/16 15:24	269647	512096	
Fluoranthene	ND	U	5.11	5.11	1	8/29/16	8/29/16 15:24	269647	512096	
Fluorene	ND	U	5.11	5.11	1	8/29/16	8/29/16 15:24	269647	512096	
Indeno(1,2,3-cd)pyrene	ND	U	5.11	5.11	1	8/29/16	8/29/16 15:24	269647	512096	
Naphthalene	ND	U	5.11	5.11	1	8/29/16	8/29/16 15:24	269647	512096	
Pentachlorophenol (PCP)	ND	U	20.4	1.13	1	8/29/16	8/29/16 15:24	269647	512096	
Phenanthrene	ND	U	5.11	5.11	1	8/29/16	8/29/16 15:24	269647	512096	
Phenol	ND	U	5.11	5.11	1	8/29/16	8/29/16 15:24	269647	512096	
Pyrene	ND	U	5.11	5.11	1	8/29/16	8/29/16 15:24	269647	512096	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	40	30-150	8/29/16 15:24	
Phenol-d6	22	20-130	8/29/16 15:24	
Nitrobenzene-d5	40	30-150	8/29/16 15:24	
2-Fluorophenol	28	20-130	8/29/16 15:24	
2-Fluorobiphenyl	39	30-150	8/29/16 15:24	
p-Terphenyl-d14	72	30-150	8/29/16 15:24	

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Analytical Report

Client: Beazer East, Inc.
Project: Gainesville 2016 3Q-Annual GW Sampling/OM-0450-16
Sample Matrix: Water
Sample Name: GAIN-HG-35S-082216
Lab Code: J1606036-005 **Service Request:** J1606036
Units: µg/L
Basis: NA

Semivolatile Organic Compounds by GC/MS

Analytical Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
2,4-Dimethylphenol	ND	U	5.11	5.11	1	8/29/16	8/29/16 15:52	269647	512096	
2-Methylnaphthalene	ND	U	5.11	5.11	1	8/29/16	8/29/16 15:52	269647	512096	
2-Methylphenol	ND	U	5.11	5.11	1	8/29/16	8/29/16 15:52	269647	512096	
3- and 4-Methylphenol Coelution	ND	U	5.11	5.11	1	8/29/16	8/29/16 15:52	269647	512096	
Acenaphthene	ND	U	5.11	5.11	1	8/29/16	8/29/16 15:52	269647	512096	
Acenaphthylene	ND	U	5.11	5.11	1	8/29/16	8/29/16 15:52	269647	512096	
Anthracene	ND	U	5.11	5.11	1	8/29/16	8/29/16 15:52	269647	512096	
Benz(a)anthracene	ND	U	5.11	5.11	1	8/29/16	8/29/16 15:52	269647	512096	
Benzo(a)pyrene	ND	U	5.11	5.11	1	8/29/16	8/29/16 15:52	269647	512096	
Benzo(b)fluoranthene	ND	U	5.11	5.11	1	8/29/16	8/29/16 15:52	269647	512096	
Benzo(g,h,i)perylene	ND	U	5.11	5.11	1	8/29/16	8/29/16 15:52	269647	512096	
Benzo(k)fluoranthene	ND	U	5.11	5.11	1	8/29/16	8/29/16 15:52	269647	512096	
Carbazole	ND	U	5.10	1.84	1	8/29/16	8/29/16 15:52	269647	512096	
Chrysene	ND	U	5.11	5.11	1	8/29/16	8/29/16 15:52	269647	512096	
Dibenz(a,h)anthracene	ND	U	5.11	5.11	1	8/29/16	8/29/16 15:52	269647	512096	
Dibenzofuran	ND	U	5.11	5.11	1	8/29/16	8/29/16 15:52	269647	512096	
Fluoranthene	ND	U	5.11	5.11	1	8/29/16	8/29/16 15:52	269647	512096	
Fluorene	ND	U	5.11	5.11	1	8/29/16	8/29/16 15:52	269647	512096	
Indeno(1,2,3-cd)pyrene	ND	U	5.11	5.11	1	8/29/16	8/29/16 15:52	269647	512096	
Naphthalene	ND	U	5.11	5.11	1	8/29/16	8/29/16 15:52	269647	512096	
Pentachlorophenol (PCP)	ND	U	20.4	1.13	1	8/29/16	8/29/16 15:52	269647	512096	
Phenanthrene	ND	U	5.11	5.11	1	8/29/16	8/29/16 15:52	269647	512096	
Phenol	ND	U	5.11	5.11	1	8/29/16	8/29/16 15:52	269647	512096	
Pyrene	ND	U	5.11	5.11	1	8/29/16	8/29/16 15:52	269647	512096	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	53	30-150	8/29/16 15:52	
Phenol-d6	23	20-130	8/29/16 15:52	
Nitrobenzene-d5	42	30-150	8/29/16 15:52	
2-Fluorophenol	28	20-130	8/29/16 15:52	
2-Fluorobiphenyl	41	30-150	8/29/16 15:52	
p-Terphenyl-d14	71	30-150	8/29/16 15:52	

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Analytical Report

Client:	Beazer East, Inc.	Service Request:	J1606036
Project:	Gainesville 2016 3Q-Annual GW Sampling/OM-0450-16	Date Collected:	8/22/16 1400
Sample Matrix:	Water	Date Received:	8/24/16
Sample Name:	GAIN-HG-23D-082216	Units:	µg/L
Lab Code:	J1606036-006	Basis:	NA

Semivolatile Organic Compounds by GC/MS

Analytical Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
2,4-Dimethylphenol	ND	U	5.00	5.00	1	8/29/16	8/29/16 16:19	269647	512096	
2-Methylnaphthalene	ND	U	5.00	5.00	1	8/29/16	8/29/16 16:19	269647	512096	
2-Methylphenol	ND	U	5.00	5.00	1	8/29/16	8/29/16 16:19	269647	512096	
3- and 4-Methylphenol Coelution	ND	U	5.00	5.00	1	8/29/16	8/29/16 16:19	269647	512096	
Acenaphthene	ND	U	5.00	5.00	1	8/29/16	8/29/16 16:19	269647	512096	
Acenaphthylene	ND	U	5.00	5.00	1	8/29/16	8/29/16 16:19	269647	512096	
Anthracene	ND	U	5.00	5.00	1	8/29/16	8/29/16 16:19	269647	512096	
Benz(a)anthracene	ND	U	5.00	5.00	1	8/29/16	8/29/16 16:19	269647	512096	
Benzo(a)pyrene	ND	U	5.00	5.00	1	8/29/16	8/29/16 16:19	269647	512096	
Benzo(b)fluoranthene	ND	U	5.00	5.00	1	8/29/16	8/29/16 16:19	269647	512096	
Benzo(g,h,i)perylene	ND	U	5.00	5.00	1	8/29/16	8/29/16 16:19	269647	512096	
Benzo(k)fluoranthene	ND	U	5.00	5.00	1	8/29/16	8/29/16 16:19	269647	512096	
Carbazole	ND	U	5.00	1.80	1	8/29/16	8/29/16 16:19	269647	512096	
Chrysene	ND	U	5.00	5.00	1	8/29/16	8/29/16 16:19	269647	512096	
Dibenz(a,h)anthracene	ND	U	5.00	5.00	1	8/29/16	8/29/16 16:19	269647	512096	
Dibenzofuran	ND	U	5.00	5.00	1	8/29/16	8/29/16 16:19	269647	512096	
Fluoranthene	ND	U	5.00	5.00	1	8/29/16	8/29/16 16:19	269647	512096	
Fluorene	ND	U	5.00	5.00	1	8/29/16	8/29/16 16:19	269647	512096	
Indeno(1,2,3-cd)pyrene	ND	U	5.00	5.00	1	8/29/16	8/29/16 16:19	269647	512096	
Naphthalene	ND	U	5.00	5.00	1	8/29/16	8/29/16 16:19	269647	512096	
Pentachlorophenol (PCP)	ND	U	20.0	1.10	1	8/29/16	8/29/16 16:19	269647	512096	
Phenanthrene	ND	U	5.00	5.00	1	8/29/16	8/29/16 16:19	269647	512096	
Phenol	ND	U	5.00	5.00	1	8/29/16	8/29/16 16:19	269647	512096	
Pyrene	ND	U	5.00	5.00	1	8/29/16	8/29/16 16:19	269647	512096	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	50	30-150	8/29/16 16:19	
Phenol-d6	25	20-130	8/29/16 16:19	
Nitrobenzene-d5	43	30-150	8/29/16 16:19	
2-Fluorophenol	29	20-130	8/29/16 16:19	
2-Fluorobiphenyl	43	30-150	8/29/16 16:19	
p-Terphenyl-d14	74	30-150	8/29/16 16:19	

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Analytical Report

Client: Beazer East, Inc.
Project: Gainesville 2016 3Q-Annual GW Sampling/OM-0450-16
Sample Matrix: Water
Sample Name: GAIN-HG-25D-082216
Lab Code: J1606036-007

Service Request: J1606036
Date Collected: 8/22/16 1518
Date Received: 8/24/16

Units: µg/L
Basis: NA

Semivolatile Organic Compounds by GC/MS

Analytical Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
2,4-Dimethylphenol	ND	U	5.00	5.00	1	8/29/16	8/29/16 16:46	269647	512096	
2-Methylnaphthalene	ND	U	5.00	5.00	1	8/29/16	8/29/16 16:46	269647	512096	
2-Methylphenol	ND	U	5.00	5.00	1	8/29/16	8/29/16 16:46	269647	512096	
3- and 4-Methylphenol Coelution	ND	U	5.00	5.00	1	8/29/16	8/29/16 16:46	269647	512096	
Acenaphthene	ND	U	5.00	5.00	1	8/29/16	8/29/16 16:46	269647	512096	
Acenaphthylene	ND	U	5.00	5.00	1	8/29/16	8/29/16 16:46	269647	512096	
Anthracene	ND	U	5.00	5.00	1	8/29/16	8/29/16 16:46	269647	512096	
Benz(a)anthracene	ND	U	5.00	5.00	1	8/29/16	8/29/16 16:46	269647	512096	
Benzo(a)pyrene	ND	U	5.00	5.00	1	8/29/16	8/29/16 16:46	269647	512096	
Benzo(b)fluoranthene	ND	U	5.00	5.00	1	8/29/16	8/29/16 16:46	269647	512096	
Benzo(g,h,i)perylene	ND	U	5.00	5.00	1	8/29/16	8/29/16 16:46	269647	512096	
Benzo(k)fluoranthene	ND	U	5.00	5.00	1	8/29/16	8/29/16 16:46	269647	512096	
Carbazole	ND	U	5.00	1.80	1	8/29/16	8/29/16 16:46	269647	512096	
Chrysene	ND	U	5.00	5.00	1	8/29/16	8/29/16 16:46	269647	512096	
Dibenz(a,h)anthracene	ND	U	5.00	5.00	1	8/29/16	8/29/16 16:46	269647	512096	
Dibenzofuran	ND	U	5.00	5.00	1	8/29/16	8/29/16 16:46	269647	512096	
Fluoranthene	ND	U	5.00	5.00	1	8/29/16	8/29/16 16:46	269647	512096	
Fluorene	ND	U	5.00	5.00	1	8/29/16	8/29/16 16:46	269647	512096	
Indeno(1,2,3-cd)pyrene	ND	U	5.00	5.00	1	8/29/16	8/29/16 16:46	269647	512096	
Naphthalene	ND	U	5.00	5.00	1	8/29/16	8/29/16 16:46	269647	512096	
Pentachlorophenol (PCP)	ND	U	20.0	1.10	1	8/29/16	8/29/16 16:46	269647	512096	
Phenanthrene	ND	U	5.00	5.00	1	8/29/16	8/29/16 16:46	269647	512096	
Phenol	ND	U	5.00	5.00	1	8/29/16	8/29/16 16:46	269647	512096	
Pyrene	ND	U	5.00	5.00	1	8/29/16	8/29/16 16:46	269647	512096	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	41	30-150	8/29/16 16:46	
Phenol-d6	20	20-130	8/29/16 16:46	
Nitrobenzene-d5	35	30-150	8/29/16 16:46	
2-Fluorophenol	24	20-130	8/29/16 16:46	
2-Fluorobiphenyl	34	30-150	8/29/16 16:46	
p-Terphenyl-d14	64	30-150	8/29/16 16:46	

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Analytical Report

Client:	Beazer East, Inc.	Service Request:	J1606036
Project:	Gainesville 2016 3Q-Annual GW Sampling/OM-0450-16	Date Collected:	8/22/16 1640
Sample Matrix:	Water	Date Received:	8/24/16
Sample Name:	GAIN-HG-27D-082216	Units:	µg/L
Lab Code:	J1606036-008	Basis:	NA

Semivolatile Organic Compounds by GC/MS

Analytical Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
2,4-Dimethylphenol	6.28	5.00	5.00	1	8/29/16	8/29/16 17:14	269647	512096	
2-Methylnaphthalene	ND U	5.00	5.00	1	8/29/16	8/29/16 17:14	269647	512096	
2-Methylphenol	ND U	5.00	5.00	1	8/29/16	8/29/16 17:14	269647	512096	
3- and 4-Methylphenol Coelution	ND U	5.00	5.00	1	8/29/16	8/29/16 17:14	269647	512096	
Acenaphthene	ND U	5.00	5.00	1	8/29/16	8/29/16 17:14	269647	512096	
Acenaphthylene	ND U	5.00	5.00	1	8/29/16	8/29/16 17:14	269647	512096	
Anthracene	ND U	5.00	5.00	1	8/29/16	8/29/16 17:14	269647	512096	
Benz(a)anthracene	ND U	5.00	5.00	1	8/29/16	8/29/16 17:14	269647	512096	
Benzo(a)pyrene	ND U	5.00	5.00	1	8/29/16	8/29/16 17:14	269647	512096	
Benzo(b)fluoranthene	ND U	5.00	5.00	1	8/29/16	8/29/16 17:14	269647	512096	
Benzo(g,h,i)perylene	ND U	5.00	5.00	1	8/29/16	8/29/16 17:14	269647	512096	
Benzo(k)fluoranthene	ND U	5.00	5.00	1	8/29/16	8/29/16 17:14	269647	512096	
Carbazole	ND U	5.00	1.80	1	8/29/16	8/29/16 17:14	269647	512096	
Chrysene	ND U	5.00	5.00	1	8/29/16	8/29/16 17:14	269647	512096	
Dibenz(a,h)anthracene	ND U	5.00	5.00	1	8/29/16	8/29/16 17:14	269647	512096	
Dibenzofuran	ND U	5.00	5.00	1	8/29/16	8/29/16 17:14	269647	512096	
Fluoranthene	ND U	5.00	5.00	1	8/29/16	8/29/16 17:14	269647	512096	
Fluorene	ND U	5.00	5.00	1	8/29/16	8/29/16 17:14	269647	512096	
Indeno(1,2,3-cd)pyrene	ND U	5.00	5.00	1	8/29/16	8/29/16 17:14	269647	512096	
Naphthalene	ND U	5.00	5.00	1	8/29/16	8/29/16 17:14	269647	512096	
Pentachlorophenol (PCP)	ND U	20.0	1.10	1	8/29/16	8/29/16 17:14	269647	512096	
Phenanthrene	ND U	5.00	5.00	1	8/29/16	8/29/16 17:14	269647	512096	
Phenol	ND U	5.00	5.00	1	8/29/16	8/29/16 17:14	269647	512096	
Pyrene	ND U	5.00	5.00	1	8/29/16	8/29/16 17:14	269647	512096	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	53	30-150	8/29/16 17:14	
Phenol-d6	33	20-130	8/29/16 17:14	
Nitrobenzene-d5	63	30-150	8/29/16 17:14	
2-Fluorophenol	42	20-130	8/29/16 17:14	
2-Fluorobiphenyl	60	30-150	8/29/16 17:14	
p-Terphenyl-d14	68	30-150	8/29/16 17:14	

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Analytical Report

Client: Beazer East, Inc.
Project: Gainesville 2016 3Q-Annual GW Sampling/OM-0450-16
Sample Matrix: Water
Sample Name: GAIN-HG-99H-082216
Lab Code: J1606036-009

Service Request: J1606036
Date Collected: 8/22/16 2121
Date Received: 8/24/16
Units: µg/L
Basis: NA

Semivolatile Organic Compounds by GC/MS

Analytical Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
2,4-Dimethylphenol	ND	U	5.00	5.00	1	8/29/16	8/29/16 17:42	269647	512096	
2-Methylnaphthalene	ND	U	5.00	5.00	1	8/29/16	8/29/16 17:42	269647	512096	
2-Methylphenol	ND	U	5.00	5.00	1	8/29/16	8/29/16 17:42	269647	512096	
3- and 4-Methylphenol Coelution	ND	U	5.00	5.00	1	8/29/16	8/29/16 17:42	269647	512096	
Acenaphthene	ND	U	5.00	5.00	1	8/29/16	8/29/16 17:42	269647	512096	
Acenaphthylene	ND	U	5.00	5.00	1	8/29/16	8/29/16 17:42	269647	512096	
Anthracene	ND	U	5.00	5.00	1	8/29/16	8/29/16 17:42	269647	512096	
Benz(a)anthracene	ND	U	5.00	5.00	1	8/29/16	8/29/16 17:42	269647	512096	
Benzo(a)pyrene	ND	U	5.00	5.00	1	8/29/16	8/29/16 17:42	269647	512096	
Benzo(b)fluoranthene	ND	U	5.00	5.00	1	8/29/16	8/29/16 17:42	269647	512096	
Benzo(g,h,i)perylene	ND	U	5.00	5.00	1	8/29/16	8/29/16 17:42	269647	512096	
Benzo(k)fluoranthene	ND	U	5.00	5.00	1	8/29/16	8/29/16 17:42	269647	512096	
Carbazole	ND	U	5.00	1.80	1	8/29/16	8/29/16 17:42	269647	512096	
Chrysene	ND	U	5.00	5.00	1	8/29/16	8/29/16 17:42	269647	512096	
Dibenz(a,h)anthracene	ND	U	5.00	5.00	1	8/29/16	8/29/16 17:42	269647	512096	
Dibenzofuran	ND	U	5.00	5.00	1	8/29/16	8/29/16 17:42	269647	512096	
Fluoranthene	ND	U	5.00	5.00	1	8/29/16	8/29/16 17:42	269647	512096	
Fluorene	ND	U	5.00	5.00	1	8/29/16	8/29/16 17:42	269647	512096	
Indeno(1,2,3-cd)pyrene	ND	U	5.00	5.00	1	8/29/16	8/29/16 17:42	269647	512096	
Naphthalene	ND	U	5.00	5.00	1	8/29/16	8/29/16 17:42	269647	512096	
Pentachlorophenol (PCP)	ND	U	20.0	1.10	1	8/29/16	8/29/16 17:42	269647	512096	
Phenanthrene	ND	U	5.00	5.00	1	8/29/16	8/29/16 17:42	269647	512096	
Phenol	ND	U	5.00	5.00	1	8/29/16	8/29/16 17:42	269647	512096	
Pyrene	ND	U	5.00	5.00	1	8/29/16	8/29/16 17:42	269647	512096	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	58	30-150	8/29/16 17:42	
Phenol-d6	37	20-130	8/29/16 17:42	
Nitrobenzene-d5	72	30-150	8/29/16 17:42	
2-Fluorophenol	47	20-130	8/29/16 17:42	
2-Fluorobiphenyl	66	30-150	8/29/16 17:42	
p-Terphenyl-d14	76	30-150	8/29/16 17:42	

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Analytical Report

Client: Beazer East, Inc.
Project: Gainesville 2016 3Q-Annual GW Sampling/OM-0450-16
Sample Matrix: Water
Sample Name: GAIN-HG-6S-082316
Lab Code: J1606036-010

Service Request: J1606036
Date Collected: 8/23/16 0852
Date Received: 8/24/16

Units: µg/L
Basis: NA

Semivolatile Organic Compounds by GC/MS

Analytical Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
2,4-Dimethylphenol	ND	U	5.11	5.11	1	8/30/16	9/1/16 20:21	269772	512685	
2-Methylnaphthalene	ND	U	5.11	5.11	1	8/30/16	9/1/16 20:21	269772	512685	
2-Methylphenol	ND	U	5.11	5.11	1	8/30/16	9/1/16 20:21	269772	512685	
3- and 4-Methylphenol Coelution	ND	U	5.11	5.11	1	8/30/16	9/1/16 20:21	269772	512685	
Acenaphthene	ND	U	5.11	5.11	1	8/30/16	9/1/16 20:21	269772	512685	
Acenaphthylene	ND	U	5.11	5.11	1	8/30/16	9/1/16 20:21	269772	512685	
Anthracene	ND	U	5.11	5.11	1	8/30/16	9/1/16 20:21	269772	512685	
Benz(a)anthracene	ND	U	5.11	5.11	1	8/30/16	9/1/16 20:21	269772	512685	
Benzo(a)pyrene	ND	U	5.11	5.11	1	8/30/16	9/1/16 20:21	269772	512685	
Benzo(b)fluoranthene	ND	U	5.11	5.11	1	8/30/16	9/1/16 20:21	269772	512685	
Benzo(g,h,i)perylene	ND	U	5.11	5.11	1	8/30/16	9/1/16 20:21	269772	512685	
Benzo(k)fluoranthene	ND	U	5.11	5.11	1	8/30/16	9/1/16 20:21	269772	512685	
Carbazole	ND	U	5.10	1.84	1	8/30/16	9/1/16 20:21	269772	512685	
Chrysene	ND	U	5.11	5.11	1	8/30/16	9/1/16 20:21	269772	512685	
Dibenz(a,h)anthracene	ND	U	5.11	5.11	1	8/30/16	9/1/16 20:21	269772	512685	
Dibenzofuran	ND	U	5.11	5.11	1	8/30/16	9/1/16 20:21	269772	512685	
Fluoranthene	ND	U	5.11	5.11	1	8/30/16	9/1/16 20:21	269772	512685	
Fluorene	ND	U	5.11	5.11	1	8/30/16	9/1/16 20:21	269772	512685	
Indeno(1,2,3-cd)pyrene	ND	U	5.11	5.11	1	8/30/16	9/1/16 20:21	269772	512685	
Naphthalene	ND	U	5.11	5.11	1	8/30/16	9/1/16 20:21	269772	512685	
Pentachlorophenol (PCP)	ND	U	20.4	1.13	1	8/30/16	9/1/16 20:21	269772	512685	
Phenanthrene	ND	U	5.11	5.11	1	8/30/16	9/1/16 20:21	269772	512685	
Phenol	ND	U	5.11	5.11	1	8/30/16	9/1/16 20:21	269772	512685	
Pyrene	ND	U	5.11	5.11	1	8/30/16	9/1/16 20:21	269772	512685	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	83	30-150	9/1/16 20:21	
Phenol-d6	36	20-130	9/1/16 20:21	
Nitrobenzene-d5	77	30-150	9/1/16 20:21	
2-Fluorophenol	45	20-130	9/1/16 20:21	
2-Fluorobiphenyl	74	30-150	9/1/16 20:21	
p-Terphenyl-d14	94	30-150	9/1/16 20:21	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Beazer East, Inc.	Service Request:	J1606036
Project:	Gainesville 2016 3Q-Annual GW Sampling/OM-0450-16	Date Collected:	8/23/16 1152
Sample Matrix:	Water	Date Received:	8/24/16
Sample Name:	GAIN-HG-34S-082316	Units:	µg/L
Lab Code:	J1606036-011	Basis:	NA

Semivolatile Organic Compounds by GC/MS

Analytical Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
2,4-Dimethylphenol	2140	258	258	50	8/30/16	9/13/16 00:10	269772	513847	
2-Methylnaphthalene	ND U	104	104	20	8/30/16	9/1/16 20:47	269772	512685	
2-Methylphenol	1200	104	104	20	8/30/16	9/1/16 20:47	269772	512685	
3- and 4-Methylphenol Coelution	1530	104	104	20	8/30/16	9/1/16 20:47	269772	512685	
Acenaphthene	ND U	104	104	20	8/30/16	9/1/16 20:47	269772	512685	
Acenaphthylene	ND U	104	104	20	8/30/16	9/1/16 20:47	269772	512685	
Anthracene	ND U	104	104	20	8/30/16	9/1/16 20:47	269772	512685	
Benz(a)anthracene	ND U	104	104	20	8/30/16	9/1/16 20:47	269772	512685	
Benzo(a)pyrene	ND U	104	104	20	8/30/16	9/1/16 20:47	269772	512685	
Benzo(b)fluoranthene	ND U	104	104	20	8/30/16	9/1/16 20:47	269772	512685	
Benzo(g,h,i)perylene	ND U	104	104	20	8/30/16	9/1/16 20:47	269772	512685	
Benzo(k)fluoranthene	ND U	104	104	20	8/30/16	9/1/16 20:47	269772	512685	
Carbazole	47.0 I	103	37.2	20	8/30/16	9/1/16 20:47	269772	512685	
Chrysene	ND U	104	104	20	8/30/16	9/1/16 20:47	269772	512685	
Dibenz(a,h)anthracene	ND U	104	104	20	8/30/16	9/1/16 20:47	269772	512685	
Dibenzofuran	ND U	104	104	20	8/30/16	9/1/16 20:47	269772	512685	
Fluoranthene	ND U	104	104	20	8/30/16	9/1/16 20:47	269772	512685	
Fluorene	ND U	104	104	20	8/30/16	9/1/16 20:47	269772	512685	
Indeno(1,2,3-cd)pyrene	ND U	104	104	20	8/30/16	9/1/16 20:47	269772	512685	
Naphthalene	2390	258	258	50	8/30/16	9/13/16 00:10	269772	513847	
Pentachlorophenol (PCP)	ND U	412	22.7	20	8/30/16	9/1/16 20:47	269772	512685	
Phenanthrene	ND U	104	104	20	8/30/16	9/1/16 20:47	269772	512685	
Phenol	434	104	104	20	8/30/16	9/1/16 20:47	269772	512685	
Pyrene	ND U	104	104	20	8/30/16	9/1/16 20:47	269772	512685	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	244 *	30-150	9/1/16 20:47	
Phenol-d6	32	20-130	9/1/16 20:47	
Nitrobenzene-d5	64	30-150	9/1/16 20:47	
2-Fluorophenol	36	20-130	9/1/16 20:47	
2-Fluorobiphenyl	65	30-150	9/1/16 20:47	
p-Terphenyl-d14	84	30-150	9/1/16 20:47	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: Beazer East, Inc.
Project: Gainesville 2016 3Q-Annual GW Sampling/OM-0450-16
Sample Matrix: Water
Sample Name: GAIN-HG-33S-082316
Lab Code: J1606036-012
Service Request: J1606036
Date Collected: 8/23/16 1607
Date Received: 8/24/16
Units: µg/L
Basis: NA

Semivolatile Organic Compounds by GC/MS

Analytical Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
2,4-Dimethylphenol	2760		256	256	50	8/30/16	9/13/16 00:37	269772	513847	
2-Methylnaphthalene	ND	U	51.1	51.1	10	8/30/16	9/1/16 21:13	269772	512685	
2-Methylphenol	137		51.1	51.1	10	8/30/16	9/1/16 21:13	269772	512685	
3- and 4-Methylphenol Coelution	101		51.1	51.1	10	8/30/16	9/1/16 21:13	269772	512685	
Acenaphthene	ND	U	51.1	51.1	10	8/30/16	9/1/16 21:13	269772	512685	
Acenaphthylene	ND	U	51.1	51.1	10	8/30/16	9/1/16 21:13	269772	512685	
Anthracene	ND	U	51.1	51.1	10	8/30/16	9/1/16 21:13	269772	512685	
Benz(a)anthracene	ND	U	51.1	51.1	10	8/30/16	9/1/16 21:13	269772	512685	
Benzo(a)pyrene	ND	U	51.1	51.1	10	8/30/16	9/1/16 21:13	269772	512685	
Benzo(b)fluoranthene	ND	U	51.1	51.1	10	8/30/16	9/1/16 21:13	269772	512685	
Benzo(g,h,i)perylene	ND	U	51.1	51.1	10	8/30/16	9/1/16 21:13	269772	512685	
Benzo(k)fluoranthene	ND	U	51.1	51.1	10	8/30/16	9/1/16 21:13	269772	512685	
Carbazole	ND	U	51.0	18.4	10	8/30/16	9/1/16 21:13	269772	512685	
Chrysene	ND	U	51.1	51.1	10	8/30/16	9/1/16 21:13	269772	512685	
Dibenz(a,h)anthracene	ND	U	51.1	51.1	10	8/30/16	9/1/16 21:13	269772	512685	
Dibenzofuran	ND	U	51.1	51.1	10	8/30/16	9/1/16 21:13	269772	512685	
Fluoranthene	ND	U	51.1	51.1	10	8/30/16	9/1/16 21:13	269772	512685	
Fluorene	ND	U	51.1	51.1	10	8/30/16	9/1/16 21:13	269772	512685	
Indeno(1,2,3-cd)pyrene	ND	U	51.1	51.1	10	8/30/16	9/1/16 21:13	269772	512685	
Naphthalene	ND	U	51.1	51.1	10	8/30/16	9/1/16 21:13	269772	512685	
Pentachlorophenol (PCP)	ND	U	204	11.3	10	8/30/16	9/1/16 21:13	269772	512685	
Phenanthrene	ND	U	51.1	51.1	10	8/30/16	9/1/16 21:13	269772	512685	
Phenol	ND	U	51.1	51.1	10	8/30/16	9/1/16 21:13	269772	512685	
Pyrene	ND	U	51.1	51.1	10	8/30/16	9/1/16 21:13	269772	512685	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	149	30-150	9/1/16 21:13	
Phenol-d6	32	20-130	9/1/16 21:13	
Nitrobenzene-d5	62	30-150	9/1/16 21:13	
2-Fluorophenol	38	20-130	9/1/16 21:13	
2-Fluorobiphenyl	66	30-150	9/1/16 21:13	
p-Terphenyl-d14	64	30-150	9/1/16 21:13	

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Analytical Report

Client:	Beazer East, Inc.	Service Request:	J1606036
Project:	Gainesville 2016 3Q-Annual GW Sampling/OM-0450-16	Date Collected:	8/23/16 1020
Sample Matrix:	Water	Date Received:	8/24/16
Sample Name:	GAIN-HG-22D-082316	Units:	µg/L
Lab Code:	J1606036-013	Basis:	NA

Semivolatile Organic Compounds by GC/MS

Analytical Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
2,4-Dimethylphenol	ND	U	5.00	5.00	1	8/30/16	9/1/16 21:39	269772	512685	
2-Methylnaphthalene	ND	U	5.00	5.00	1	8/30/16	9/1/16 21:39	269772	512685	
2-Methylphenol	ND	U	5.00	5.00	1	8/30/16	9/1/16 21:39	269772	512685	
3- and 4-Methylphenol Coelution	ND	U	5.00	5.00	1	8/30/16	9/1/16 21:39	269772	512685	
Acenaphthene	ND	U	5.00	5.00	1	8/30/16	9/1/16 21:39	269772	512685	
Acenaphthylene	ND	U	5.00	5.00	1	8/30/16	9/1/16 21:39	269772	512685	
Anthracene	ND	U	5.00	5.00	1	8/30/16	9/1/16 21:39	269772	512685	
Benz(a)anthracene	ND	U	5.00	5.00	1	8/30/16	9/1/16 21:39	269772	512685	
Benzo(a)pyrene	ND	U	5.00	5.00	1	8/30/16	9/1/16 21:39	269772	512685	
Benzo(b)fluoranthene	ND	U	5.00	5.00	1	8/30/16	9/1/16 21:39	269772	512685	
Benzo(g,h,i)perylene	ND	U	5.00	5.00	1	8/30/16	9/1/16 21:39	269772	512685	
Benzo(k)fluoranthene	ND	U	5.00	5.00	1	8/30/16	9/1/16 21:39	269772	512685	
Carbazole	ND	U	5.00	1.80	1	8/30/16	9/1/16 21:39	269772	512685	
Chrysene	ND	U	5.00	5.00	1	8/30/16	9/1/16 21:39	269772	512685	
Dibenz(a,h)anthracene	ND	U	5.00	5.00	1	8/30/16	9/1/16 21:39	269772	512685	
Dibenzofuran	ND	U	5.00	5.00	1	8/30/16	9/1/16 21:39	269772	512685	
Fluoranthene	ND	U	5.00	5.00	1	8/30/16	9/1/16 21:39	269772	512685	
Fluorene	ND	U	5.00	5.00	1	8/30/16	9/1/16 21:39	269772	512685	
Indeno(1,2,3-cd)pyrene	ND	U	5.00	5.00	1	8/30/16	9/1/16 21:39	269772	512685	
Naphthalene	ND	U	5.00	5.00	1	8/30/16	9/1/16 21:39	269772	512685	
Pentachlorophenol (PCP)	ND	U	20.0	1.10	1	8/30/16	9/1/16 21:39	269772	512685	
Phenanthrene	ND	U	5.00	5.00	1	8/30/16	9/1/16 21:39	269772	512685	
Phenol	ND	U	5.00	5.00	1	8/30/16	9/1/16 21:39	269772	512685	
Pyrene	ND	U	5.00	5.00	1	8/30/16	9/1/16 21:39	269772	512685	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	95	30-150	9/1/16 21:39	
Phenol-d6	38	20-130	9/1/16 21:39	
Nitrobenzene-d5	76	30-150	9/1/16 21:39	
2-Fluorophenol	47	20-130	9/1/16 21:39	
2-Fluorobiphenyl	75	30-150	9/1/16 21:39	
p-Terphenyl-d14	93	30-150	9/1/16 21:39	

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Analytical Report

Client: Beazer East, Inc.
Project: Gainesville 2016 3Q-Annual GW Sampling/OM-0450-16
Sample Matrix: Water
Sample Name: GAIN-HG-5D-082316
Lab Code: J1606036-014
Service Request: J1606036
Date Collected: 8/23/16 1151
Date Received: 8/24/16
Units: µg/L
Basis: NA

Semivolatile Organic Compounds by GC/MS

Analytical Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
2,4-Dimethylphenol	ND	U	5.00	5.00	1	8/30/16	9/1/16 22:05	269772	512685	
2-Methylnaphthalene	ND	U	5.00	5.00	1	8/30/16	9/1/16 22:05	269772	512685	
2-Methylphenol	ND	U	5.00	5.00	1	8/30/16	9/1/16 22:05	269772	512685	
3- and 4-Methylphenol Coelution	ND	U	5.00	5.00	1	8/30/16	9/1/16 22:05	269772	512685	
Acenaphthene	ND	U	5.00	5.00	1	8/30/16	9/1/16 22:05	269772	512685	
Acenaphthylene	ND	U	5.00	5.00	1	8/30/16	9/1/16 22:05	269772	512685	
Anthracene	ND	U	5.00	5.00	1	8/30/16	9/1/16 22:05	269772	512685	
Benz(a)anthracene	ND	U	5.00	5.00	1	8/30/16	9/1/16 22:05	269772	512685	
Benzo(a)pyrene	ND	U	5.00	5.00	1	8/30/16	9/1/16 22:05	269772	512685	
Benzo(b)fluoranthene	ND	U	5.00	5.00	1	8/30/16	9/1/16 22:05	269772	512685	
Benzo(g,h,i)perylene	ND	U	5.00	5.00	1	8/30/16	9/1/16 22:05	269772	512685	
Benzo(k)fluoranthene	ND	U	5.00	5.00	1	8/30/16	9/1/16 22:05	269772	512685	
Carbazole	ND	U	5.00	1.80	1	8/30/16	9/1/16 22:05	269772	512685	
Chrysene	ND	U	5.00	5.00	1	8/30/16	9/1/16 22:05	269772	512685	
Dibenz(a,h)anthracene	ND	U	5.00	5.00	1	8/30/16	9/1/16 22:05	269772	512685	
Dibenzofuran	ND	U	5.00	5.00	1	8/30/16	9/1/16 22:05	269772	512685	
Fluoranthene	ND	U	5.00	5.00	1	8/30/16	9/1/16 22:05	269772	512685	
Fluorene	ND	U	5.00	5.00	1	8/30/16	9/1/16 22:05	269772	512685	
Indeno(1,2,3-cd)pyrene	ND	U	5.00	5.00	1	8/30/16	9/1/16 22:05	269772	512685	
Naphthalene	ND	U	5.00	5.00	1	8/30/16	9/1/16 22:05	269772	512685	
Pentachlorophenol (PCP)	ND	U	20.0	1.10	1	8/30/16	9/1/16 22:05	269772	512685	
Phenanthrene	ND	U	5.00	5.00	1	8/30/16	9/1/16 22:05	269772	512685	
Phenol	ND	U	5.00	5.00	1	8/30/16	9/1/16 22:05	269772	512685	
Pyrene	ND	U	5.00	5.00	1	8/30/16	9/1/16 22:05	269772	512685	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	112	30-150	9/1/16 22:05	
Phenol-d6	25	20-130	9/1/16 22:05	
Nitrobenzene-d5	72	30-150	9/1/16 22:05	
2-Fluorophenol	41	20-130	9/1/16 22:05	
2-Fluorobiphenyl	87	30-150	9/1/16 22:05	
p-Terphenyl-d14	94	30-150	9/1/16 22:05	

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Analytical Report

Client: Beazer East, Inc.
Project: Gainesville 2016 3Q-Annual GW Sampling/OM-0450-16
Sample Matrix: Water
Sample Name: GAIN-EB-07-082316
Lab Code: J1606036-015

Service Request: J1606036
Date Collected: 8/23/16 1221
Date Received: 8/24/16

Units: µg/L
Basis: NA

Semivolatile Organic Compounds by GC/MS

Analytical Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
2,4-Dimethylphenol	ND	U	5.00	5.00	1	8/30/16	9/1/16 22:31	269772	512685	
2-Methylnaphthalene	ND	U	5.00	5.00	1	8/30/16	9/1/16 22:31	269772	512685	
2-Methylphenol	ND	U	5.00	5.00	1	8/30/16	9/1/16 22:31	269772	512685	
3- and 4-Methylphenol Coelution	ND	U	5.00	5.00	1	8/30/16	9/1/16 22:31	269772	512685	
Acenaphthene	ND	U	5.00	5.00	1	8/30/16	9/1/16 22:31	269772	512685	
Acenaphthylene	ND	U	5.00	5.00	1	8/30/16	9/1/16 22:31	269772	512685	
Anthracene	ND	U	5.00	5.00	1	8/30/16	9/1/16 22:31	269772	512685	
Benz(a)anthracene	ND	U	5.00	5.00	1	8/30/16	9/1/16 22:31	269772	512685	
Benzo(a)pyrene	ND	U	5.00	5.00	1	8/30/16	9/1/16 22:31	269772	512685	
Benzo(b)fluoranthene	ND	U	5.00	5.00	1	8/30/16	9/1/16 22:31	269772	512685	
Benzo(g,h,i)perylene	ND	U	5.00	5.00	1	8/30/16	9/1/16 22:31	269772	512685	
Benzo(k)fluoranthene	ND	U	5.00	5.00	1	8/30/16	9/1/16 22:31	269772	512685	
Carbazole	ND	U	5.00	1.80	1	8/30/16	9/1/16 22:31	269772	512685	
Chrysene	ND	U	5.00	5.00	1	8/30/16	9/1/16 22:31	269772	512685	
Dibenz(a,h)anthracene	ND	U	5.00	5.00	1	8/30/16	9/1/16 22:31	269772	512685	
Dibenzofuran	ND	U	5.00	5.00	1	8/30/16	9/1/16 22:31	269772	512685	
Fluoranthene	ND	U	5.00	5.00	1	8/30/16	9/1/16 22:31	269772	512685	
Fluorene	ND	U	5.00	5.00	1	8/30/16	9/1/16 22:31	269772	512685	
Indeno(1,2,3-cd)pyrene	ND	U	5.00	5.00	1	8/30/16	9/1/16 22:31	269772	512685	
Naphthalene	ND	U	5.00	5.00	1	8/30/16	9/1/16 22:31	269772	512685	
Pentachlorophenol (PCP)	ND	U	20.0	1.10	1	8/30/16	9/1/16 22:31	269772	512685	
Phenanthrene	ND	U	5.00	5.00	1	8/30/16	9/1/16 22:31	269772	512685	
Phenol	ND	U	5.00	5.00	1	8/30/16	9/1/16 22:31	269772	512685	
Pyrene	ND	U	5.00	5.00	1	8/30/16	9/1/16 22:31	269772	512685	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	101	30-150	9/1/16 22:31	
Phenol-d6	54	20-130	9/1/16 22:31	
Nitrobenzene-d5	93	30-150	9/1/16 22:31	
2-Fluorophenol	79	20-130	9/1/16 22:31	
2-Fluorobiphenyl	88	30-150	9/1/16 22:31	
p-Terphenyl-d14	94	30-150	9/1/16 22:31	

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Analytical Report

Client: Beazer East, Inc.
Project: Gainesville 2016 3Q-Annual GW Sampling/OM-0450-16
Sample Matrix: Water
Sample Name: GAIN-HG-20D-082316
Lab Code: J1606036-016

Service Request: J1606036
Date Collected: 8/23/16 1422
Date Received: 8/24/16

Units: µg/L
Basis: NA

Semivolatile Organic Compounds by GC/MS

Analytical Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
2,4-Dimethylphenol	30.6		5.00	5.00	1	8/30/16	9/1/16 22:58	269772	512685	
2-Methylnaphthalene	5.46		5.00	5.00	1	8/30/16	9/1/16 22:58	269772	512685	
2-Methylphenol	ND U		5.00	5.00	1	8/30/16	9/1/16 22:58	269772	512685	
3- and 4-Methylphenol Coelution	ND U		5.00	5.00	1	8/30/16	9/1/16 22:58	269772	512685	
Acenaphthene	ND U		5.00	5.00	1	8/30/16	9/1/16 22:58	269772	512685	
Acenaphthylene	ND U		5.00	5.00	1	8/30/16	9/1/16 22:58	269772	512685	
Anthracene	ND U		5.00	5.00	1	8/30/16	9/1/16 22:58	269772	512685	
Benz(a)anthracene	ND U		5.00	5.00	1	8/30/16	9/1/16 22:58	269772	512685	
Benzo(a)pyrene	ND U		5.00	5.00	1	8/30/16	9/1/16 22:58	269772	512685	
Benzo(b)fluoranthene	ND U		5.00	5.00	1	8/30/16	9/1/16 22:58	269772	512685	
Benzo(g,h,i)perylene	ND U		5.00	5.00	1	8/30/16	9/1/16 22:58	269772	512685	
Benzo(k)fluoranthene	ND U		5.00	5.00	1	8/30/16	9/1/16 22:58	269772	512685	
Carbazole	ND U		5.00	1.80	1	8/30/16	9/1/16 22:58	269772	512685	
Chrysene	ND U		5.00	5.00	1	8/30/16	9/1/16 22:58	269772	512685	
Dibenz(a,h)anthracene	ND U		5.00	5.00	1	8/30/16	9/1/16 22:58	269772	512685	
Dibenzofuran	ND U		5.00	5.00	1	8/30/16	9/1/16 22:58	269772	512685	
Fluoranthene	ND U		5.00	5.00	1	8/30/16	9/1/16 22:58	269772	512685	
Fluorene	ND U		5.00	5.00	1	8/30/16	9/1/16 22:58	269772	512685	
Indeno(1,2,3-cd)pyrene	ND U		5.00	5.00	1	8/30/16	9/1/16 22:58	269772	512685	
Naphthalene	241		25.0	25.0	5	8/30/16	9/13/16 01:05	269772	513847	
Pentachlorophenol (PCP)	ND U		20.0	1.10	1	8/30/16	9/1/16 22:58	269772	512685	
Phenanthrene	ND U		5.00	5.00	1	8/30/16	9/1/16 22:58	269772	512685	
Phenol	ND U		5.00	5.00	1	8/30/16	9/1/16 22:58	269772	512685	
Pyrene	ND U		5.00	5.00	1	8/30/16	9/1/16 22:58	269772	512685	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	54	30-150	9/1/16 22:58	
Phenol-d6	35	20-130	9/1/16 22:58	
Nitrobenzene-d5	64	30-150	9/1/16 22:58	
2-Fluorophenol	31	20-130	9/1/16 22:58	
2-Fluorobiphenyl	75	30-150	9/1/16 22:58	
p-Terphenyl-d14	88	30-150	9/1/16 22:58	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: Beazer East, Inc.
Project: Gainesville 2016 3Q-Annual GW Sampling/OM-0450-16
Sample Matrix: Water
Sample Name: GAIN-FB-07-082316
Lab Code: J1606036-017

Service Request: J1606036
Date Collected: 8/23/16 1445
Date Received: 8/24/16

Units: µg/L
Basis: NA

Semivolatile Organic Compounds by GC/MS

Analytical Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
2,4-Dimethylphenol	ND	U	5.00	5.00	1	8/30/16	9/1/16 23:24	269772	512685	
2-Methylnaphthalene	ND	U	5.00	5.00	1	8/30/16	9/1/16 23:24	269772	512685	
2-Methylphenol	ND	U	5.00	5.00	1	8/30/16	9/1/16 23:24	269772	512685	
3- and 4-Methylphenol Coelution	ND	U	5.00	5.00	1	8/30/16	9/1/16 23:24	269772	512685	
Acenaphthene	ND	U	5.00	5.00	1	8/30/16	9/1/16 23:24	269772	512685	
Acenaphthylene	ND	U	5.00	5.00	1	8/30/16	9/1/16 23:24	269772	512685	
Anthracene	ND	U	5.00	5.00	1	8/30/16	9/1/16 23:24	269772	512685	
Benz(a)anthracene	ND	U	5.00	5.00	1	8/30/16	9/1/16 23:24	269772	512685	
Benzo(a)pyrene	ND	U	5.00	5.00	1	8/30/16	9/1/16 23:24	269772	512685	
Benzo(b)fluoranthene	ND	U	5.00	5.00	1	8/30/16	9/1/16 23:24	269772	512685	
Benzo(g,h,i)perylene	ND	U	5.00	5.00	1	8/30/16	9/1/16 23:24	269772	512685	
Benzo(k)fluoranthene	ND	U	5.00	5.00	1	8/30/16	9/1/16 23:24	269772	512685	
Carbazole	ND	U	5.00	1.80	1	8/30/16	9/1/16 23:24	269772	512685	
Chrysene	ND	U	5.00	5.00	1	8/30/16	9/1/16 23:24	269772	512685	
Dibenz(a,h)anthracene	ND	U	5.00	5.00	1	8/30/16	9/1/16 23:24	269772	512685	
Dibenzofuran	ND	U	5.00	5.00	1	8/30/16	9/1/16 23:24	269772	512685	
Fluoranthene	ND	U	5.00	5.00	1	8/30/16	9/1/16 23:24	269772	512685	
Fluorene	ND	U	5.00	5.00	1	8/30/16	9/1/16 23:24	269772	512685	
Indeno(1,2,3-cd)pyrene	ND	U	5.00	5.00	1	8/30/16	9/1/16 23:24	269772	512685	
Naphthalene	ND	U	5.00	5.00	1	8/30/16	9/1/16 23:24	269772	512685	
Pentachlorophenol (PCP)	ND	U	20.0	1.10	1	8/30/16	9/1/16 23:24	269772	512685	
Phenanthrene	ND	U	5.00	5.00	1	8/30/16	9/1/16 23:24	269772	512685	
Phenol	ND	U	5.00	5.00	1	8/30/16	9/1/16 23:24	269772	512685	
Pyrene	ND	U	5.00	5.00	1	8/30/16	9/1/16 23:24	269772	512685	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	90	30-150	9/1/16 23:24	
Phenol-d6	38	20-130	9/1/16 23:24	
Nitrobenzene-d5	72	30-150	9/1/16 23:24	
2-Fluorophenol	48	20-130	9/1/16 23:24	
2-Fluorobiphenyl	76	30-150	9/1/16 23:24	
p-Terphenyl-d14	91	30-150	9/1/16 23:24	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: Beazer East, Inc.
Project: Gainesville 2016 3Q-Annual GW Sampling/OM-0450-16
Sample Matrix: Water
Sample Name: GAIN-HG-20S-082316
Lab Code: J1606036-018

Service Request: J1606036
Date Collected: 8/23/16 1423
Date Received: 8/24/16

Units: µg/L
Basis: NA

Semivolatile Organic Compounds by GC/MS

Analytical Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
2,4-Dimethylphenol	ND	U	50.0	50.0	10	8/30/16	9/1/16 23:50	269772	512685	
2-Methylnaphthalene	ND	U	50.0	50.0	10	8/30/16	9/1/16 23:50	269772	512685	
2-Methylphenol	ND	U	50.0	50.0	10	8/30/16	9/1/16 23:50	269772	512685	
3- and 4-Methylphenol Coelution	ND	U	50.0	50.0	10	8/30/16	9/1/16 23:50	269772	512685	
Acenaphthene	ND	U	50.0	50.0	10	8/30/16	9/1/16 23:50	269772	512685	
Acenaphthylene	ND	U	50.0	50.0	10	8/30/16	9/1/16 23:50	269772	512685	
Anthracene	ND	U	50.0	50.0	10	8/30/16	9/1/16 23:50	269772	512685	
Benz(a)anthracene	ND	U	50.0	50.0	10	8/30/16	9/1/16 23:50	269772	512685	
Benzo(a)pyrene	ND	U	50.0	50.0	10	8/30/16	9/1/16 23:50	269772	512685	
Benzo(b)fluoranthene	ND	U	50.0	50.0	10	8/30/16	9/1/16 23:50	269772	512685	
Benzo(g,h,i)perylene	ND	U	50.0	50.0	10	8/30/16	9/1/16 23:50	269772	512685	
Benzo(k)fluoranthene	ND	U	50.0	50.0	10	8/30/16	9/1/16 23:50	269772	512685	
Carbazole	ND	U	50.0	18.0	10	8/30/16	9/1/16 23:50	269772	512685	
Chrysene	ND	U	50.0	50.0	10	8/30/16	9/1/16 23:50	269772	512685	
Dibenz(a,h)anthracene	ND	U	50.0	50.0	10	8/30/16	9/1/16 23:50	269772	512685	
Dibenzofuran	ND	U	50.0	50.0	10	8/30/16	9/1/16 23:50	269772	512685	
Fluoranthene	ND	U	50.0	50.0	10	8/30/16	9/1/16 23:50	269772	512685	
Fluorene	ND	U	50.0	50.0	10	8/30/16	9/1/16 23:50	269772	512685	
Indeno(1,2,3-cd)pyrene	ND	U	50.0	50.0	10	8/30/16	9/1/16 23:50	269772	512685	
Naphthalene	55.4		50.0	50.0	10	8/30/16	9/1/16 23:50	269772	512685	
Pentachlorophenol (PCP)	ND	U	200	11.0	10	8/30/16	9/1/16 23:50	269772	512685	
Phenanthrene	ND	U	50.0	50.0	10	8/30/16	9/1/16 23:50	269772	512685	
Phenol	ND	U	50.0	50.0	10	8/30/16	9/1/16 23:50	269772	512685	
Pyrene	ND	U	50.0	50.0	10	8/30/16	9/1/16 23:50	269772	512685	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	125	30-150	9/1/16 23:50	
Phenol-d6	12 *	20-130	9/1/16 23:50	
Nitrobenzene-d5	21 *	30-150	9/1/16 23:50	
2-Fluorophenol	13 *	20-130	9/1/16 23:50	
2-Fluorobiphenyl	23 *	30-150	9/1/16 23:50	
p-Terphenyl-d14	69	30-150	9/1/16 23:50	

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Analytical Report

Client:	Beazer East, Inc.	Service Request:	J1606036
Project:	Gainesville 2016 3Q-Annual GW Sampling/OM-0450-16	Date Collected:	8/23/16 1649
Sample Matrix:	Water	Date Received:	8/24/16
Sample Name:	GAIN-HG-2D-082316	Units:	µg/L
Lab Code:	J1606036-019	Basis:	NA

Semivolatile Organic Compounds by GC/MS

Analytical Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
2,4-Dimethylphenol	789		100	100	20	8/30/16	9/13/16 01:33	269772	513847	
2-Methylnaphthalene	86.3		5.00	5.00	1	8/30/16	9/2/16 00:16	269772	512685	
2-Methylphenol	289		100	100	20	8/30/16	9/13/16 01:33	269772	513847	
3- and 4-Methylphenol Coelution	37.3		5.00	5.00	1	8/30/16	9/2/16 00:16	269772	512685	
Acenaphthene	23.7		5.00	5.00	1	8/30/16	9/2/16 00:16	269772	512685	
Acenaphthylene		ND U	5.00	5.00	1	8/30/16	9/2/16 00:16	269772	512685	
Anthracene		ND U	5.00	5.00	1	8/30/16	9/2/16 00:16	269772	512685	
Benz(a)anthracene		ND U	5.00	5.00	1	8/30/16	9/2/16 00:16	269772	512685	
Benzo(a)pyrene		ND U	5.00	5.00	1	8/30/16	9/2/16 00:16	269772	512685	
Benzo(b)fluoranthene		ND U	5.00	5.00	1	8/30/16	9/2/16 00:16	269772	512685	
Benzo(g,h,i)perylene		ND U	5.00	5.00	1	8/30/16	9/2/16 00:16	269772	512685	
Benzo(k)fluoranthene		ND U	5.00	5.00	1	8/30/16	9/2/16 00:16	269772	512685	
Carbazole	49.3		5.00	1.80	1	8/30/16	9/2/16 00:16	269772	512685	
Chrysene		ND U	5.00	5.00	1	8/30/16	9/2/16 00:16	269772	512685	
Dibenz(a,h)anthracene		ND U	5.00	5.00	1	8/30/16	9/2/16 00:16	269772	512685	
Dibenzofuran		ND U	5.00	5.00	1	8/30/16	9/2/16 00:16	269772	512685	
Fluoranthene		ND U	5.00	5.00	1	8/30/16	9/2/16 00:16	269772	512685	
Fluorene		ND U	5.00	5.00	1	8/30/16	9/2/16 00:16	269772	512685	
Indeno(1,2,3-cd)pyrene		ND U	5.00	5.00	1	8/30/16	9/2/16 00:16	269772	512685	
Naphthalene	1370		100	100	20	8/30/16	9/13/16 01:33	269772	513847	
Pentachlorophenol (PCP)		ND U	20.0	1.10	1	8/30/16	9/2/16 00:16	269772	512685	
Phenanthrene		ND U	5.00	5.00	1	8/30/16	9/2/16 00:16	269772	512685	
Phenol	8.40		5.00	5.00	1	8/30/16	9/2/16 00:16	269772	512685	
Pyrene		ND U	5.00	5.00	1	8/30/16	9/2/16 00:16	269772	512685	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	87	30-150	9/2/16 00:16	
Phenol-d6	38	20-130	9/2/16 00:16	
Nitrobenzene-d5	73	30-150	9/2/16 00:16	
2-Fluorophenol	51	20-130	9/2/16 00:16	
2-Fluorobiphenyl	66	30-150	9/2/16 00:16	
p-Terphenyl-d14	87	30-150	9/2/16 00:16	

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Analytical Report

Client: Beazer East, Inc.
Project: Gainesville 2016 3Q-Annual GW Sampling/OM-0450-16
Sample Matrix: Water
Sample Name: Method Blank
Lab Code: JQ1606464-01

Service Request: J1606036
Date Collected: NA
Date Received: NA

Units: µg/L
Basis: NA

Semivolatile Organic Compounds by GC/MS

Analytical Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
2,4-Dimethylphenol	ND	U	5.00	5.00	1	8/29/16	8/29/16 11:41	269647	512096	
2-Methylnaphthalene	ND	U	5.00	5.00	1	8/29/16	8/29/16 11:41	269647	512096	
2-Methylphenol	ND	U	5.00	5.00	1	8/29/16	8/29/16 11:41	269647	512096	
3- and 4-Methylphenol Coelution	ND	U	5.00	5.00	1	8/29/16	8/29/16 11:41	269647	512096	
Acenaphthene	ND	U	5.00	5.00	1	8/29/16	8/29/16 11:41	269647	512096	
Acenaphthylene	ND	U	5.00	5.00	1	8/29/16	8/29/16 11:41	269647	512096	
Anthracene	ND	U	5.00	5.00	1	8/29/16	8/29/16 11:41	269647	512096	
Benz(a)anthracene	ND	U	5.00	5.00	1	8/29/16	8/29/16 11:41	269647	512096	
Benzo(a)pyrene	ND	U	5.00	5.00	1	8/29/16	8/29/16 11:41	269647	512096	
Benzo(b)fluoranthene	ND	U	5.00	5.00	1	8/29/16	8/29/16 11:41	269647	512096	
Benzo(g,h,i)perylene	ND	U	5.00	5.00	1	8/29/16	8/29/16 11:41	269647	512096	
Benzo(k)fluoranthene	ND	U	5.00	5.00	1	8/29/16	8/29/16 11:41	269647	512096	
Carbazole	ND	U	5.00	1.80	1	8/29/16	8/29/16 11:41	269647	512096	
Chrysene	ND	U	5.00	5.00	1	8/29/16	8/29/16 11:41	269647	512096	
Dibenz(a,h)anthracene	ND	U	5.00	5.00	1	8/29/16	8/29/16 11:41	269647	512096	
Dibenzofuran	ND	U	5.00	5.00	1	8/29/16	8/29/16 11:41	269647	512096	
Fluoranthene	ND	U	5.00	5.00	1	8/29/16	8/29/16 11:41	269647	512096	
Fluorene	ND	U	5.00	5.00	1	8/29/16	8/29/16 11:41	269647	512096	
Indeno(1,2,3-cd)pyrene	ND	U	5.00	5.00	1	8/29/16	8/29/16 11:41	269647	512096	
Naphthalene	ND	U	5.00	5.00	1	8/29/16	8/29/16 11:41	269647	512096	
Pentachlorophenol (PCP)	ND	U	20.0	1.10	1	8/29/16	8/29/16 11:41	269647	512096	
Phenanthrene	ND	U	5.00	5.00	1	8/29/16	8/29/16 11:41	269647	512096	
Phenol	ND	U	5.00	5.00	1	8/29/16	8/29/16 11:41	269647	512096	
Pyrene	ND	U	5.00	5.00	1	8/29/16	8/29/16 11:41	269647	512096	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	38	30-150	8/29/16 11:41	
Phenol-d6	32	20-130	8/29/16 11:41	
Nitrobenzene-d5	59	30-150	8/29/16 11:41	
2-Fluorophenol	42	20-130	8/29/16 11:41	
2-Fluorobiphenyl	50	30-150	8/29/16 11:41	
p-Terphenyl-d14	91	30-150	8/29/16 11:41	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Beazer East, Inc.	Service Request:	J1606036
Project:	Gainesville 2016 3Q-Annual GW Sampling/OM-0450-16	Date Collected:	NA
Sample Matrix:	Water	Date Received:	NA
Sample Name:	Method Blank	Units:	µg/L
Lab Code:	JQ1606503-01	Basis:	NA

Semivolatile Organic Compounds by GC/MS

Analytical Method: 8270D
Prep Method: EPA 3510C

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
2,4-Dimethylphenol	ND	U	5.00	5.00	1	8/30/16	9/1/16 15:52	269772	512685	
2-Methylnaphthalene	ND	U	5.00	5.00	1	8/30/16	9/1/16 15:52	269772	512685	
2-Methylphenol	ND	U	5.00	5.00	1	8/30/16	9/1/16 15:52	269772	512685	
3- and 4-Methylphenol Coelution	ND	U	5.00	5.00	1	8/30/16	9/1/16 15:52	269772	512685	
Acenaphthene	ND	U	5.00	5.00	1	8/30/16	9/1/16 15:52	269772	512685	
Acenaphthylene	ND	U	5.00	5.00	1	8/30/16	9/1/16 15:52	269772	512685	
Anthracene	ND	U	5.00	5.00	1	8/30/16	9/1/16 15:52	269772	512685	
Benz(a)anthracene	ND	U	5.00	5.00	1	8/30/16	9/1/16 15:52	269772	512685	
Benzo(a)pyrene	ND	U	5.00	5.00	1	8/30/16	9/1/16 15:52	269772	512685	
Benzo(b)fluoranthene	ND	U	5.00	5.00	1	8/30/16	9/1/16 15:52	269772	512685	
Benzo(g,h,i)perylene	ND	U	5.00	5.00	1	8/30/16	9/1/16 15:52	269772	512685	
Benzo(k)fluoranthene	ND	U	5.00	5.00	1	8/30/16	9/1/16 15:52	269772	512685	
Carbazole	ND	U	5.00	1.80	1	8/30/16	9/1/16 15:52	269772	512685	
Chrysene	ND	U	5.00	5.00	1	8/30/16	9/1/16 15:52	269772	512685	
Dibenz(a,h)anthracene	ND	U	5.00	5.00	1	8/30/16	9/1/16 15:52	269772	512685	
Dibenzofuran	ND	U	5.00	5.00	1	8/30/16	9/1/16 15:52	269772	512685	
Fluoranthene	ND	U	5.00	5.00	1	8/30/16	9/1/16 15:52	269772	512685	
Fluorene	ND	U	5.00	5.00	1	8/30/16	9/1/16 15:52	269772	512685	
Indeno(1,2,3-cd)pyrene	ND	U	5.00	5.00	1	8/30/16	9/1/16 15:52	269772	512685	
Naphthalene	ND	U	5.00	5.00	1	8/30/16	9/1/16 15:52	269772	512685	
Pentachlorophenol (PCP)	ND	U	20.0	1.10	1	8/30/16	9/1/16 15:52	269772	512685	
Phenanthrene	ND	U	5.00	5.00	1	8/30/16	9/1/16 15:52	269772	512685	
Phenol	ND	U	5.00	5.00	1	8/30/16	9/1/16 15:52	269772	512685	
Pyrene	ND	U	5.00	5.00	1	8/30/16	9/1/16 15:52	269772	512685	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	86	30-150	9/1/16 15:52	
Phenol-d6	37	20-130	9/1/16 15:52	
Nitrobenzene-d5	76	30-150	9/1/16 15:52	
2-Fluorophenol	49	20-130	9/1/16 15:52	
2-Fluorobiphenyl	71	30-150	9/1/16 15:52	
p-Terphenyl-d14	90	30-150	9/1/16 15:52	

Client: Beazer East, Inc.
Project: Gainesville 2016 3Q-Annual GW Sampling/OM-0450-16
Sample Matrix: Water

Service Request: J1606036

Surrogate Recovery Summary
Semivolatile Organic Compounds by GC/MS

Analytical Method: 8270D
Prep Method: EPA 3510C

Units: Percent

Sample Name	Lab Code	Sur1	Sur2	Sur3	Sur4	Sur5	Sur6
GAIN-HG-24S-082216	J1606036-001	39	25	46	30	39	61
GAIN-EB-06-082216	J1606036-002	39	23	45	27	45	78
GAIN-HG-27S-082216	J1606036-003	36	24	44	28	42	67
GAIN-HG-21S-082216	J1606036-004	40	22	40	28	39	72
GAIN-HG-35S-082216	J1606036-005	53	23	42	28	41	71
GAIN-HG-23D-082216	J1606036-006	50	25	43	29	43	74
GAIN-HG-25D-082216	J1606036-007	41	20	35	24	34	64
GAIN-HG-27D-082216	J1606036-008	53	33	63	42	60	68
GAIN-HG-99H-082216	J1606036-009	58	37	72	47	66	76
GAIN-HG-6S-082316	J1606036-010	83	36	77	45	74	94
GAIN-HG-34S-082316	J1606036-011	244 *	32	64	36	65	84
GAIN-HG-33S-082316	J1606036-012	149	32	62	38	66	64
GAIN-HG-22D-082316	J1606036-013	95	38	76	47	75	93
GAIN-HG-5D-082316	J1606036-014	112	25	72	41	87	94
GAIN-EB-07-082316	J1606036-015	101	54	93	79	88	94
GAIN-HG-20D-082316	J1606036-016	54	35	64	31	75	88
GAIN-FB-07-082316	J1606036-017	90	38	72	48	76	91
GAIN-HG-20S-082316	J1606036-018	125	12 *	21 *	13 *	23 *	69
GAIN-HG-2D-082316	J1606036-019	87	38	73	51	66	87
Method Blank	JQ1606464-01	38	32	59	42	50	91
Method Blank	JQ1606503-01	86	37	76	49	71	90
Lab Control Sample	JQ1606464-02	76	37	77	43	72	83
Lab Control Sample	JQ1606503-02	100	39	78	51	77	90

Surrogate Recovery Control Limits (%)

Sur1 = 2,4,6-Tribromophenol	30 - 150	Sur5 = 2-Fluorobiphenyl	30 - 150
Sur2 = Phenol-d6	20 - 130	Sur6 = p-Terphenyl-d14	30 - 150
Sur3 = Nitrobenzene-d5	30 - 150		
Sur4 = 2-Fluorophenol	20 - 130		

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

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

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: Beazer East, Inc.
Project: Gainesville 2016 3Q-Annual GW Sampling/OM-0450-16

Service Request: J1606036
Date Analyzed: 8/29/16 11:13

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

File ID: I:\MS04\DATA\MS04-160829\0829-005.D\

Lab Code: JQ1606509-02

Instrument ID: J-MS-04

Analysis Lot: 512096

Analytical Method: 8270D

Signal ID:

	1,4-Dichlorobenzene-d4		Acenaphthene-d10		Chrysene-d12	
	<u>Area</u>	<u>RT</u>	<u>Area</u>	<u>RT</u>	<u>Area</u>	<u>RT</u>
Results ==>	358,101	4.55	620,815	8.05	675,028	13.64
Upper Limit ==>	716,202	5.55	1,241,630	9.05	1,350,056	14.64
Lower Limit ==>	179,051	3.55	310,408	7.05	337,514	12.64
ICAL Result ==>	377,969	4.57	675,278	8.07	757,602	13.67

Associated Analyses

Method Blank	JQ1606464-01	421,403	4.55	795,213	8.05	791,306	13.64
GAIN-HG-24S-082216	J1606036-001	502,530	4.55	1,015,788	8.05	1,028,594	13.64
GAIN-EB-06-082216	J1606036-002	495,393	4.55	918,492	8.05	912,857	13.64
GAIN-HG-27S-082216	J1606036-003	484,183	4.55	929,374	8.05	922,075	13.64
GAIN-HG-21S-082216	J1606036-004	483,058	4.55	884,470	8.05	898,376	13.64
GAIN-HG-35S-082216	J1606036-005	465,396	4.55	864,058	8.05	851,075	13.64
GAIN-HG-23D-082216	J1606036-006	473,290	4.55	882,885	8.05	851,603	13.64
GAIN-HG-25D-082216	J1606036-007	468,907	4.55	860,087	8.05	861,935	13.64
GAIN-HG-27D-082216	J1606036-008	464,121	4.55	859,510	8.05	906,396	13.64
GAIN-HG-99H-082216	J1606036-009	459,581	4.55	880,344	8.05	872,999	13.64

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

Client: Beazer East, Inc.
Project: Gainesville 2016 3Q-Annual GW Sampling/OM-0450-16

Service Request: J1606036
Date Analyzed: 8/29/16 11:13

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

File ID: I:\MS04\DATA\MS04-160829\0829-005.D\

Lab Code: JQ1606509-02

Instrument ID: J-MS-04

Analysis Lot: 512096

Analytical Method: 8270D

Signal ID:

	Naphthalene-d8		Perylene-d12		Phenanthrene-d10	
	<u>Area</u>	<u>RT</u>	<u>Area</u>	<u>RT</u>	<u>Area</u>	<u>RT</u>
Results ==>	1,449,420	5.95	538,814	16.62	1,037,364	9.86
Upper Limit ==>	2,898,840	6.95	1,077,628	17.62	2,074,728	10.86
Lower Limit ==>	724,710	4.95	269,407	15.62	518,682	8.86
ICAL Result ==>	1,486,572	5.97	630,955	16.65	1,117,775	9.88

Associated Analyses

Method Blank	JQ1606464-01	1,805,706	5.95	660,942	16.62	1,302,583	9.85
GAIN-HG-24S-082216	J1606036-001	2,207,016	5.95	862,750	16.62	1,663,163	9.85
GAIN-EB-06-082216	J1606036-002	2,108,745	5.95	762,048	16.62	1,501,493	9.85
GAIN-HG-27S-082216	J1606036-003	2,108,816	5.95	777,513	16.62	1,518,372	9.85
GAIN-HG-21S-082216	J1606036-004	2,026,901	5.95	749,384	16.62	1,452,922	9.85
GAIN-HG-35S-082216	J1606036-005	1,988,930	5.95	724,845	16.62	1,379,920	9.85
GAIN-HG-23D-082216	J1606036-006	2,035,707	5.95	731,061	16.62	1,392,797	9.85
GAIN-HG-25D-082216	J1606036-007	2,000,764	5.95	715,486	16.62	1,407,883	9.85
GAIN-HG-27D-082216	J1606036-008	1,965,310	5.95	758,712	16.62	1,404,093	9.85
GAIN-HG-99H-082216	J1606036-009	1,984,888	5.95	741,235	16.62	1,404,871	9.85

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

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: Beazer East, Inc.
Project: Gainesville 2016 3Q-Annual GW Sampling/OM-0450-16

Service Request: J1606036
Date Analyzed: 8/30/16 10:00

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

File ID: I:\MS04\DATA\MS04-160830\0830-006.D\
Instrument ID: J-MS-04
Analytical Method: 8270D

Lab Code: JQ1606527-02
Analysis Lot: 512143
Signal ID:

	1,4-Dichlorobenzene-d4		Acenaphthene-d10		Chrysene-d12	
	<u>Area</u>	<u>RT</u>	<u>Area</u>	<u>RT</u>	<u>Area</u>	<u>RT</u>
Results ==>	402,697	4.55	715,291	8.05	875,302	13.64
Upper Limit ==>	805,394	5.55	1,430,582	9.05	1,750,604	14.64
Lower Limit ==>	201,349	3.55	357,646	7.05	437,651	12.64
ICAL Result ==>	377,969	4.57	675,278	8.07	757,602	13.67

Associated Analyses

Lab Control Sample	JQ1606464-02	388,610	4.55	707,631	8.05	854,401	13.64
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Results flagged with an asterisk (*) indicate values outside control criteria.

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client:
Project:

Beazer East, Inc.
Gainesville 2016 3Q-Annual GW Sampling/OM-0450-16

Service Request: J1606036
Date Analyzed: 8/30/16 10:00

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

File ID: I:\MS04\DATA\MS04-160830\0830-006.D\

Lab Code: JQ1606527-02

Instrument ID: J-MS-04

Analysis Lot: 512143

Analytical Method: 8270D

Signal ID:

	Naphthalene-d8		Perylene-d12		Phenanthrene-d10	
	<u>Area</u>	<u>RT</u>	<u>Area</u>	<u>RT</u>	<u>Area</u>	<u>RT</u>
Results ==>	1,619,605	5.95	695,804	16.62	1,217,422	9.86
Upper Limit ==>	3,239,210	6.95	1,391,608	17.62	2,434,844	10.86
Lower Limit ==>	809,803	4.95	347,902	15.62	608,711	8.86
ICAL Result ==>	1,486,572	5.97	630,955	16.65	1,117,775	9.88

Associated Analyses

Lab Control Sample	JQ1606464-02	1,593,144	5.95	695,733	16.62	1,192,213	9.85
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Results flagged with an asterisk (*) indicate values outside control criteria.

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: Beazer East, Inc.
Project: Gainesville 2016 3Q-Annual GW Sampling/OM-0450-16

Service Request: J1606036
Date Analyzed: 9/1/16 15:25

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

File ID: I:\MS04\DATA\MS04-160901\0901-005.D\

Lab Code: JQ1606629-02

Instrument ID: J-MS-04

Analysis Lot: 512685

Analytical Method: 8270D

Signal ID:

	1,4-Dichlorobenzene-d4		Acenaphthene-d10		Chrysene-d12	
	<u>Area</u>	<u>RT</u>	<u>Area</u>	<u>RT</u>	<u>Area</u>	<u>RT</u>
Results ==>	272,863	4.55	494,553	8.05	610,810	13.64
Upper Limit ==>	545,726	5.55	989,106	9.05	1,221,620	14.64
Lower Limit ==>	136,432	3.55	247,277	7.05	305,405	12.64
ICAL Result ==>	377,969	4.57	675,278	8.07	757,602	13.67

Associated Analyses

Method Blank	JQ1606503-01	328,248	4.55	637,750	8.04	765,195	13.64
Lab Control Sample	JQ1606503-02	291,175	4.55	530,176	8.05	662,230	13.64
GAIN-HG-6S-082316	J1606036-010	272,900	4.55	494,360	8.04	590,803	13.63
GAIN-HG-34S-082316	J1606036-011	306,838	4.55	539,964	8.04	696,804	13.63
GAIN-HG-33S-082316	J1606036-012	322,907	4.55	564,472	8.04	735,931	13.63
GAIN-HG-22D-082316	J1606036-013	312,382	4.55	561,560	8.04	651,309	13.63
GAIN-HG-5D-082316	J1606036-014	303,230	4.55	536,032	8.04	649,269	13.63
GAIN-EB-07-082316	J1606036-015	296,063	4.55	550,799	8.04	737,796	13.63
GAIN-HG-20D-082316	J1606036-016	341,630	4.55	647,130	8.04	675,066	13.63
GAIN-FB-07-082316	J1606036-017	366,911	4.55	661,271	8.04	666,126	13.63
GAIN-HG-20S-082316	J1606036-018	389,864	4.55	708,721	8.04	716,724	13.63
GAIN-HG-2D-082316	J1606036-019	370,526	4.55	670,660	8.04	661,375	13.63

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

Client: Beazer East, Inc.
Project: Gainesville 2016 3Q-Annual GW Sampling/OM-0450-16

Service Request: J1606036
Date Analyzed: 9/1/16 15:25

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

File ID: I:\MS04\DATA\MS04-160901\0901-005.D\

Lab Code: JQ1606629-02

Instrument ID: J-MS-04

Analysis Lot: 512685

Analytical Method: 8270D

Signal ID:

	Naphthalene-d8		Perylene-d12		Phenanthrene-d10	
	<u>Area</u>	<u>RT</u>	<u>Area</u>	<u>RT</u>	<u>Area</u>	<u>RT</u>
Results ==>	1,092,587	5.95	491,047	16.62	864,137	9.85
Upper Limit ==>	2,185,174	6.95	982,094	17.62	1,728,274	10.85
Lower Limit ==>	546,294	4.95	245,524	15.62	432,069	8.85
ICAL Result ==>	1,486,572	5.97	630,955	16.65	1,117,775	9.88

Associated Analyses

Method Blank	JQ1606503-01	1,385,371	5.95	658,972	16.62	1,099,628	9.85
Lab Control Sample	JQ1606503-02	1,180,934	5.95	536,860	16.62	911,555	9.85
GAIN-HG-6S-082316	J1606036-010	1,108,567	5.95	509,077	16.62	819,310	9.85
GAIN-HG-34S-082316	J1606036-011	1,192,044	5.95	599,962	16.61	949,888	9.85
GAIN-HG-33S-082316	J1606036-012	1,245,514	5.95	623,752	16.61	994,376	9.85
GAIN-HG-22D-082316	J1606036-013	1,268,095	5.95	567,028	16.61	932,783	9.85
GAIN-HG-5D-082316	J1606036-014	1,214,474	5.95	548,255	16.61	892,087	9.85
GAIN-EB-07-082316	J1606036-015	1,456,169	5.95	620,785	16.61	932,144	9.85
GAIN-HG-20D-082316	J1606036-016	1,549,978	5.95	602,182	16.62	1,120,415	9.85
GAIN-FB-07-082316	J1606036-017	1,497,132	5.95	575,367	16.62	938,790	9.85
GAIN-HG-20S-082316	J1606036-018	1,311,506	5.95	608,965	16.61	1,149,477	9.85
GAIN-HG-2D-082316	J1606036-019	1,554,397	5.96	585,714	16.61	1,102,269	9.85

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

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: Beazer East, Inc.
Project: Gainesville 2016 3Q-Annual GW Sampling/OM-0450-16

Service Request: J1606036
Date Analyzed: 9/12/16 23:42

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

File ID: I:\MS04\DATA\MS04-160912\0912-035.D\

Lab Code: JQ1606857-02

Instrument ID: J-MS-04

Analysis Lot: 513847

Analytical Method: 8270D

Signal ID:

	1,4-Dichlorobenzene-d4		Acenaphthene-d10		Chrysene-d12	
	<u>Area</u>	<u>RT</u>	<u>Area</u>	<u>RT</u>	<u>Area</u>	<u>RT</u>
Results ==>	259,071	4.55	454,071	8.04	554,023	13.62
Upper Limit ==>	518,142	5.55	908,142	9.04	1,108,046	14.62
Lower Limit ==>	129,536	3.55	227,036	7.04	277,012	12.62
ICAL Result ==>	377,969	4.57	675,278	8.07	757,602	13.67

Associated Analyses

GAIN-HG-34S-082316	J1606036-011	294,799	4.54	538,197	8.04	694,163	13.62
GAIN-HG-33S-082316	J1606036-012	312,195	4.55	557,431	8.04	714,207	13.62
GAIN-HG-20D-082316	J1606036-016	289,815	4.54	522,038	8.04	648,613	13.62
GAIN-HG-2D-082316	J1606036-019	294,964	4.54	520,710	8.04	685,726	13.62

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

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: Beazer East, Inc.
Project: Gainesville 2016 3Q-Annual GW Sampling/OM-0450-16

Service Request: J1606036
Date Analyzed: 9/12/16 23:42

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

File ID: I:\MS04\DATA\MS04-160912\0912-035.D\

Lab Code: JQ1606857-02

Instrument ID: J-MS-04

Analysis Lot: 513847

Analytical Method: 8270D

Signal ID:

	Naphthalene-d8		Perylene-d12		Phenanthrene-d10	
	<u>Area</u>	<u>RT</u>	<u>Area</u>	<u>RT</u>	<u>Area</u>	<u>RT</u>
Results ==>	991,052	5.94	465,433	16.61	771,525	9.85
Upper Limit ==>	1,982,104	6.94	930,866	17.61	1,543,050	10.85
Lower Limit ==>	495,526	4.94	232,717	15.61	385,763	8.85
ICAL Result ==>	1,486,572	5.97	630,955	16.65	1,117,775	9.88

Associated Analyses

GAIN-HG-34S-082316	J1606036-011	1,164,829	5.94	582,776	16.61	940,759	9.84
GAIN-HG-33S-082316	J1606036-012	1,223,720	5.94	596,992	16.61	979,432	9.84
GAIN-HG-20D-082316	J1606036-016	1,163,956	5.94	537,888	16.61	906,851	9.84
GAIN-HG-2D-082316	J1606036-019	1,154,132	5.94	572,782	16.61	914,206	9.84

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

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Printed 9/15/16 11:59

Form 2B

Client: Beazer East, Inc.
Project: Gainesville 2016 3Q-Annual GW Sampling/OM-0450-16
Sample Matrix: Water

Service Request: J1606036
Date Analyzed: 8/30/16

Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS

Analytical Method: 8270D
Prep Method: EPA 3510C

Units: µg/L
Basis: NA

Extraction Lot: 269647

Lab Control Sample
JQ1606464-02

Analyte Name	Result	Spike Amount	% Rec	% Rec Limits
2,4-Dimethylphenol	32.8	40.0	82	30 - 120
2-Methylnaphthalene	31.4	40.0	78	60 - 140
2-Methylphenol	30.8	40.0	77	30 - 120
3- and 4-Methylphenol Coelution	30.2	40.0	76	30 - 120
Acenaphthene	34.4	40.0	86	60 - 140
Acenaphthylene	34.4	40.0	86	60 - 140
Anthracene	35.1	40.0	88	60 - 140
Benz(a)anthracene	36.4	40.0	91	37 - 157
Benzo(a)pyrene	36.6	40.0	91	38 - 150
Benzo(b)fluoranthene	36.9	40.0	92	43 - 149
Benzo(g,h,i)perylene	35.8	40.0	90	34 - 150
Benzo(k)fluoranthene	37.1	40.0	93	35 - 147
Carbazole	35.3	40.0	88	60 - 140
Chrysene	35.9	40.0	90	40 - 148
Dibenz(a,h)anthracene	33.6	40.0	84	36 - 155
Dibenzofuran	35.1	40.0	88	60 - 140
Fluoranthene	36.8	40.0	92	60 - 140
Fluorene	34.6	40.0	87	60 - 140
Indeno(1,2,3-cd)pyrene	33.9	40.0	85	35 - 151
Naphthalene	30.4	40.0	76	60 - 140
Pentachlorophenol (PCP)	27.7	40.0	69	30 - 120
Phenanthrene	34.3	40.0	86	60 - 140
Phenol	16.9	40.0	42	30 - 120
Pyrene	34.5	40.0	86	60 - 140

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: Gainesville 2016 3Q-Annual GW Sampling/OM-0450-16
Sample Matrix: Water

Service Request: J1606036
Date Analyzed: 9/1/16

Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS

Analytical Method: 8270D
Prep Method: EPA 3510C

Units: µg/L
Basis: NA

Extraction Lot: 269772

Lab Control Sample

JQ1606503-02

Analyte Name	Result	Spike	% Rec	% Rec Limits
		Amount		
2,4-Dimethylphenol	31.0	40.0	78	30 - 120
2-Methylnaphthalene	30.3	40.0	76	60 - 140
2-Methylphenol	29.1	40.0	73	30 - 120
3- and 4-Methylphenol Coelution	28.2	40.0	70	30 - 120
Acenaphthene	33.3	40.0	83	60 - 140
Acenaphthylene	33.0	40.0	83	60 - 140
Anthracene	35.7	40.0	89	60 - 140
Benz(a)anthracene	37.2	40.0	93	37 - 157
Benzo(a)pyrene	37.9	40.0	95	38 - 150
Benzo(b)fluoranthene	37.6	40.0	94	43 - 149
Benzo(g,h,i)perylene	38.0	40.0	95	34 - 150
Benzo(k)fluoranthene	38.2	40.0	95	35 - 147
Carbazole	35.8	40.0	90	60 - 140
Chrysene	38.1	40.0	95	40 - 148
Dibenz(a,h)anthracene	35.5	40.0	89	36 - 155
Dibenzofuran	34.1	40.0	85	60 - 140
Fluoranthene	38.6	40.0	97	60 - 140
Fluorene	32.1	40.0	80	60 - 140
Indeno(1,2,3-cd)pyrene	35.7	40.0	89	35 - 151
Naphthalene	29.8	40.0	74	60 - 140
Pentachlorophenol (PCP)	36.2	40.0	90	30 - 120
Phenanthrene	34.5	40.0	86	60 - 140
Phenol	16.8	40.0	42	30 - 120
Pyrene	36.0	40.0	90	60 - 140

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.
Project: Gainesville 2016 3Q-Annual GW Sampling/OM-0450-16
Sample Matrix: Water

Service Request: J1606036
Date Analyzed: 8/29/16 11:41
Date Extracted: 8/29/16

Method Blank Summary
Semivolatile Organic Compounds by GC/MS

Sample Name:	Method Blank	Instrument ID:	J-MS-04
Lab Code:	JQ1606464-01	File ID:	I:\MS04\DATA\MS04-160829\0829-006.D\
Analytical Method:	8270D		
Prep Method:	EPA 3510C		

This Method Blank applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed
GAIN-HG-24S-082216	J1606036-001	I:\MS04\DATA\MS04-160829\0829-011.D\	8/29/16 14:02
GAIN-EB-06-082216	J1606036-002	I:\MS04\DATA\MS04-160829\0829-012.D\	8/29/16 14:29
GAIN-HG-27S-082216	J1606036-003	I:\MS04\DATA\MS04-160829\0829-013.D\	8/29/16 14:57
GAIN-HG-21S-082216	J1606036-004	I:\MS04\DATA\MS04-160829\0829-014.D\	8/29/16 15:24
GAIN-HG-35S-082216	J1606036-005	I:\MS04\DATA\MS04-160829\0829-015.D\	8/29/16 15:52
GAIN-HG-23D-082216	J1606036-006	I:\MS04\DATA\MS04-160829\0829-016.D\	8/29/16 16:19
GAIN-HG-25D-082216	J1606036-007	I:\MS04\DATA\MS04-160829\0829-017.D\	8/29/16 16:46
GAIN-HG-27D-082216	J1606036-008	I:\MS04\DATA\MS04-160829\0829-018.D\	8/29/16 17:14
GAIN-HG-99H-082216	J1606036-009	I:\MS04\DATA\MS04-160829\0829-019.D\	8/29/16 17:42
Lab Control Sample	JQ1606464-02	I:\MS04\DATA\MS04-160830\0830-008.D\	8/30/16 10:56

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: Beazer East, Inc.
Project: Gainesville 2016 3Q-Annual GW Sampling/OM-0450-16
Sample Matrix: Water

Service Request: J1606036
Date Analyzed: 9/1/16 15:52
Date Extracted: 8/30/16

Method Blank Summary
Semivolatile Organic Compounds by GC/MS

Sample Name:	Method Blank	Instrument ID:	J-MS-04
Lab Code:	JQ1606503-01	File ID:	I:\MS04\DATA\MS04-160901\0901-006.D\
Analytical Method:	8270D		
Prep Method:	EPA 3510C		

This Method Blank applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed
Lab Control Sample	JQ1606503-02	I:\MS04\DATA\MS04-160901\0901-007.D\	9/1/16 16:19
GAIN-HG-6S-082316	J1606036-010	I:\MS04\DATA\MS04-160901\0901-016.D\	9/1/16 20:21
GAIN-HG-34S-082316	J1606036-011	I:\MS04\DATA\MS04-160901\0901-017.D\	9/1/16 20:47
GAIN-HG-33S-082316	J1606036-012	I:\MS04\DATA\MS04-160901\0901-018.D\	9/1/16 21:13
GAIN-HG-22D-082316	J1606036-013	I:\MS04\DATA\MS04-160901\0901-019.D\	9/1/16 21:39
GAIN-HG-5D-082316	J1606036-014	I:\MS04\DATA\MS04-160901\0901-020.D\	9/1/16 22:05
GAIN-EB-07-082316	J1606036-015	I:\MS04\DATA\MS04-160901\0901-021.D\	9/1/16 22:31
GAIN-HG-20D-082316	J1606036-016	I:\MS04\DATA\MS04-160901\0901-022.D\	9/1/16 22:58
GAIN-FB-07-082316	J1606036-017	I:\MS04\DATA\MS04-160901\0901-023.D\	9/1/16 23:24
GAIN-HG-20S-082316	J1606036-018	I:\MS04\DATA\MS04-160901\0901-024.D\	9/1/16 23:50
GAIN-HG-2D-082316	J1606036-019	I:\MS04\DATA\MS04-160901\0901-025.D\	9/2/16 00:16
GAIN-HG-34S-082316	J1606036-011	I:\MS04\DATA\MS04-160912\0912-036.D\	9/13/16 00:10
GAIN-HG-33S-082316	J1606036-012	I:\MS04\DATA\MS04-160912\0912-037.D\	9/13/16 00:37
GAIN-HG-20D-082316	J1606036-016	I:\MS04\DATA\MS04-160912\0912-038.D\	9/13/16 01:05
GAIN-HG-2D-082316	J1606036-019	I:\MS04\DATA\MS04-160912\0912-039.D\	9/13/16 01:33

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: Beazer East, Inc.
Project: Gainesville 2016 3Q-Annual GW Sampling/OM-0450-16
Sample Matrix: Water

Service Request: J1606036
Date Analyzed: 8/30/16 10:56
Date Extracted: 8/29/16

Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS

Sample Name: Lab Control Sample **Instrument ID:** J-MS-04
Lab Code: JQ1606464-02 **File ID:** I:\MS04\DATA\MS04-160830\0830-008.D\
Analytical Method: 8270D
Prep Method: EPA 3510C

This Lab Control Sample applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed
GAIN-EB-06-082216	J1606036-002	I:\MS04\DATA\MS04-160829\0829-012.D\	8/29/16 14:29
GAIN-HG-27D-082216	J1606036-008	I:\MS04\DATA\MS04-160829\0829-018.D\	8/29/16 17:14
GAIN-HG-35S-082216	J1606036-005	I:\MS04\DATA\MS04-160829\0829-015.D\	8/29/16 15:52
Method Blank	JQ1606464-01	I:\MS04\DATA\MS04-160829\0829-006.D\	8/29/16 11:41
GAIN-HG-25D-082216	J1606036-007	I:\MS04\DATA\MS04-160829\0829-017.D\	8/29/16 16:46
GAIN-HG-99H-082216	J1606036-009	I:\MS04\DATA\MS04-160829\0829-019.D\	8/29/16 17:42
GAIN-HG-23D-082216	J1606036-006	I:\MS04\DATA\MS04-160829\0829-016.D\	8/29/16 16:19
GAIN-HG-24S-082216	J1606036-001	I:\MS04\DATA\MS04-160829\0829-011.D\	8/29/16 14:02
GAIN-HG-21S-082216	J1606036-004	I:\MS04\DATA\MS04-160829\0829-014.D\	8/29/16 15:24
GAIN-HG-27S-082216	J1606036-003	I:\MS04\DATA\MS04-160829\0829-013.D\	8/29/16 14:57

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: Beazer East, Inc.
Project: Gainesville 2016 3Q-Annual GW Sampling/OM-0450-16
Sample Matrix: Water

Service Request: J1606036
Date Analyzed: 9/1/16 16:19
Date Extracted: 8/30/16

Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS

Sample Name: Lab Control Sample **Instrument ID:** J-MS-04
Lab Code: JQ1606503-02 **File ID:** I:\MS04\DATA\MS04-160901\0901-007.D\
Analytical Method: 8270D
Prep Method: EPA 3510C

This Lab Control Sample applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed
GAIN-HG-20D-082316	J1606036-016	I:\MS04\DATA\MS04-160901\0901-022.D\	9/1/16 22:58
GAIN-HG-33S-082316	J1606036-012	I:\MS04\DATA\MS04-160901\0901-018.D\	9/1/16 21:13
GAIN-HG-34S-082316	J1606036-011	I:\MS04\DATA\MS04-160901\0901-017.D\	9/1/16 20:47
GAIN-HG-2D-082316	J1606036-019	I:\MS04\DATA\MS04-160912\0912-039.D\	9/13/16 01:33
GAIN-HG-6S-082316	J1606036-010	I:\MS04\DATA\MS04-160901\0901-016.D\	9/1/16 20:21
GAIN-EB-07-082316	J1606036-015	I:\MS04\DATA\MS04-160901\0901-021.D\	9/1/16 22:31
GAIN-HG-20D-082316	J1606036-016	I:\MS04\DATA\MS04-160912\0912-038.D\	9/13/16 01:05
GAIN-HG-22D-082316	J1606036-013	I:\MS04\DATA\MS04-160901\0901-019.D\	9/1/16 21:39
GAIN-HG-5D-082316	J1606036-014	I:\MS04\DATA\MS04-160901\0901-020.D\	9/1/16 22:05
Method Blank	JQ1606503-01	I:\MS04\DATA\MS04-160901\0901-006.D\	9/1/16 15:52
GAIN-HG-33S-082316	J1606036-012	I:\MS04\DATA\MS04-160912\0912-037.D\	9/13/16 00:37
GAIN-HG-2D-082316	J1606036-019	I:\MS04\DATA\MS04-160901\0901-025.D\	9/2/16 00:16
GAIN-HG-20S-082316	J1606036-018	I:\MS04\DATA\MS04-160901\0901-024.D\	9/1/16 23:50
GAIN-FB-07-082316	J1606036-017	I:\MS04\DATA\MS04-160901\0901-023.D\	9/1/16 23:24
GAIN-HG-34S-082316	J1606036-011	I:\MS04\DATA\MS04-160912\0912-036.D\	9/13/16 00:10

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QA/QC Report

Client:
Project:Beazer East, Inc.
Gainesville 2016 3Q-Annual GW Sampling/OM-0450-16Service Request: J1606036
Date Analyzed: 8/29/16 10:25

Tune Summary
Semivolatile Organic Compounds by GC/MS

File ID: I:\MS04\DATA\MS04-160829\0829-003.D\
Instrument ID: J-MS-04Analytical Method: 8270D
Analysis Lot: 512096

Target Mass	Relative to Mass	Lower Limit%	Upper Limit%	Relative Abundance %	Raw Abundance	Result Pass/Fail
51	198	30	60	43.22	128813	Pass
68	69	0	2	1.28	1280	Pass
69	198	0	100	33.61	100165	Pass
70	69	0	2	0.47	466	Pass
127	198	40	60	55.56	165600	Pass
197	198	0	1	0.34	1013	Pass
198	198	100	100	100.00	298061	Pass
199	198	5	9	6.68	19906	Pass
275	198	10	30	18.11	53965	Pass
365	198	1	100	1.63	4849	Pass
441	443	0.01	100	78.91	22837	Pass
442	198	40	200	50.32	149979	Pass
443	442	17	23	19.30	28939	Pass

Sample Name	Lab Code	File ID	Date Analyzed	Q
Continuing Calibration Verification	JQ1606509-02	I:\MS04\DATA\MS04-160829\0829-005.D\	8/29/16 11:13	
Method Blank	JQ1606464-01	I:\MS04\DATA\MS04-160829\0829-006.D\	8/29/16 11:41	
GAIN-HG-24S-082216	J1606036-001	I:\MS04\DATA\MS04-160829\0829-011.D\	8/29/16 14:02	
GAIN-EB-06-082216	J1606036-002	I:\MS04\DATA\MS04-160829\0829-012.D\	8/29/16 14:29	
GAIN-HG-27S-082216	J1606036-003	I:\MS04\DATA\MS04-160829\0829-013.D\	8/29/16 14:57	
GAIN-HG-21S-082216	J1606036-004	I:\MS04\DATA\MS04-160829\0829-014.D\	8/29/16 15:24	
GAIN-HG-35S-082216	J1606036-005	I:\MS04\DATA\MS04-160829\0829-015.D\	8/29/16 15:52	
GAIN-HG-23D-082216	J1606036-006	I:\MS04\DATA\MS04-160829\0829-016.D\	8/29/16 16:19	
GAIN-HG-25D-082216	J1606036-007	I:\MS04\DATA\MS04-160829\0829-017.D\	8/29/16 16:46	
GAIN-HG-27D-082216	J1606036-008	I:\MS04\DATA\MS04-160829\0829-018.D\	8/29/16 17:14	
GAIN-HG-99H-082216	J1606036-009	I:\MS04\DATA\MS04-160829\0829-019.D\	8/29/16 17:42	

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QA/QC Report

Client: Beazer East, Inc.
Project: Gainesville 2016 3Q-Annual GW Sampling/OM-0450-16

Service Request: J1606036
Date Analyzed: 8/30/16 09:12

Tune Summary
Semivolatile Organic Compounds by GC/MS

File ID: I:\MS04\DATA\MS04-160830\0830-004.D\
Instrument ID: J-MS-04

Analytical Method: 8270D
Analysis Lot: 512143

Target Mass	Relative to Mass	Lower Limit%	Upper Limit%	Relative Abundance %	Raw Abundance	Result Pass/Fail
51	198	30	60	47.68	175442	Pass
68	69	0	2	1.25	1625	Pass
69	198	0	100	35.33	130016	Pass
70	69	0	2	0.53	692	Pass
127	198	40	60	58.17	214067	Pass
197	198	0	1	0.28	1040	Pass
198	198	100	100	100.00	367979	Pass
199	198	5	9	6.48	23843	Pass
275	198	10	30	17.30	63669	Pass
365	198	1	100	1.55	5693	Pass
441	443	0.01	100	72.44	24363	Pass
442	198	40	200	44.25	162845	Pass
443	442	17	23	20.65	33632	Pass

Sample Name	Lab Code	File ID	Date Analyzed	Q
Continuing Calibration Verification	JQ1606527-02	I:\MS04\DATA\MS04-160830\0830-006.D\ I:\MS04\DATA\MS04-160830\0830-008.D\ JQ1606464-02	8/30/16 10:00	
Lab Control Sample			8/30/16 10:56	

Client:
Project:Beazer East, Inc.
Gainesville 2016 3Q-Annual GW Sampling/OM-0450-16Service Request: J1606036
Date Analyzed: 9/1/16 14:37

Tune Summary
Semivolatile Organic Compounds by GC/MS

File ID: I:\MS04\DATA\MS04-160901\0901-003.D\
Instrument ID: J-MS-04Analytical Method: 8270D
Analysis Lot: 512685

Target Mass	Relative to Mass	Lower Limit%	Upper Limit%	Relative Abundance %	Raw Abundance	Result Pass/Fail
51	198	30	60	47.82	79265	Pass
68	69	0	2	1.57	858	Pass
69	198	0	100	33.06	54799	Pass
70	69	0	2	0.46	250	Pass
127	198	40	60	56.59	93808	Pass
197	198	0	1	0.50	824	Pass
198	198	100	100	100.00	165760	Pass
199	198	5	9	6.73	11163	Pass
275	198	10	30	19.52	32355	Pass
365	198	1	100	2.10	3485	Pass
441	443	0.01	100	77.55	13681	Pass
442	198	40	200	55.40	91832	Pass
443	442	17	23	19.21	17641	Pass

Sample Name	Lab Code	File ID	Date Analyzed	Q
Continuing Calibration Verification	JQ1606629-02	I:\MS04\DATA\MS04-160901\0901-005.D\	9/1/16 15:25	
Method Blank	JQ1606503-01	I:\MS04\DATA\MS04-160901\0901-006.D\	9/1/16 15:52	
Lab Control Sample	JQ1606503-02	I:\MS04\DATA\MS04-160901\0901-007.D\	9/1/16 16:19	
GAIN-HG-6S-082316	J1606036-010	I:\MS04\DATA\MS04-160901\0901-016.D\	9/1/16 20:21	
GAIN-HG-34S-082316	J1606036-011	I:\MS04\DATA\MS04-160901\0901-017.D\	9/1/16 20:47	
GAIN-HG-33S-082316	J1606036-012	I:\MS04\DATA\MS04-160901\0901-018.D\	9/1/16 21:13	
GAIN-HG-22D-082316	J1606036-013	I:\MS04\DATA\MS04-160901\0901-019.D\	9/1/16 21:39	
GAIN-HG-5D-082316	J1606036-014	I:\MS04\DATA\MS04-160901\0901-020.D\	9/1/16 22:05	
GAIN-EB-07-082316	J1606036-015	I:\MS04\DATA\MS04-160901\0901-021.D\	9/1/16 22:31	
GAIN-HG-20D-082316	J1606036-016	I:\MS04\DATA\MS04-160901\0901-022.D\	9/1/16 22:58	
GAIN-FB-07-082316	J1606036-017	I:\MS04\DATA\MS04-160901\0901-023.D\	9/1/16 23:24	
GAIN-HG-20S-082316	J1606036-018	I:\MS04\DATA\MS04-160901\0901-024.D\	9/1/16 23:50	
GAIN-HG-2D-082316	J1606036-019	I:\MS04\DATA\MS04-160901\0901-025.D\	9/2/16 00:16	

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QA/QC Report

Client:
Project:Beazer East, Inc.
Gainesville 2016 3Q-Annual GW Sampling/OM-0450-16Service Request: J1606036
Date Analyzed: 9/12/16 22:55

Tune Summary
Semivolatile Organic Compounds by GC/MS

File ID: I:\MS04\DATA\MS04-160912\0912-033.D\
Instrument ID: J-MS-04Analytical Method: 8270D
Analysis Lot: 513847

Target Mass	Relative to Mass	Lower Limit%	Upper Limit%	Relative Abundance %	Raw Abundance	Result Pass/Fail
51	198	30	60	44.95	31007	Pass
68	69	0	2	1.48	301	Pass
69	198	0	100	29.42	20298	Pass
70	69	0	2	0.39	80	Pass
127	198	40	60	56.26	38811	Pass
197	198	0	1	0.67	460	Pass
198	198	100	100	100.00	68988	Pass
199	198	5	9	6.70	4625	Pass
275	198	10	30	22.23	15339	Pass
365	198	1	100	2.80	1935	Pass
441	443	0.01	100	79.24	7446	Pass
442	198	40	200	68.63	47346	Pass
443	442	17	23	19.85	9397	Pass

Sample Name	Lab Code	File ID	Date Analyzed	Q
Continuing Calibration Verification	JQ1606857-02	I:\MS04\DATA\MS04-160912\0912-035.D\	9/12/16 23:42	
GAIN-HG-34S-082316	J1606036-011	I:\MS04\DATA\MS04-160912\0912-036.D\	9/13/16 00:10	
GAIN-HG-33S-082316	J1606036-012	I:\MS04\DATA\MS04-160912\0912-037.D\	9/13/16 00:37	
GAIN-HG-20D-082316	J1606036-016	I:\MS04\DATA\MS04-160912\0912-038.D\	9/13/16 01:05	
GAIN-HG-2D-082316	J1606036-019	I:\MS04\DATA\MS04-160912\0912-039.D\	9/13/16 01:33	

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: Beazer East, Inc.
Project: Gainesville 2016 3Q-Annual GW Sampling/OM-0450-16

Service Request: J1606036
Calibration Date: 8/17/16

Initial Calibration Summary
Semivolatile Organic Compounds by GC/MS

Calibration ID: JC1600059
Instrument ID: J-MS-04

Signal ID: 1

#	File Location	Acquisition Date	#	File Location	Acquisition Date
01	I:\MS04\DATA\MS04-160817\0817-005.D	8/17/16 11:06	02	I:\MS04\DATA\MS04-160817\0817-006.D	8/17/16 11:34
03	I:\MS04\DATA\MS04-160817\0817-007.D	8/17/16 12:02	04	I:\MS04\DATA\MS04-160817\0817-008.D	8/17/16 12:30
05	I:\MS04\DATA\MS04-160817\0817-009.D	8/17/16 12:58	06	I:\MS04\DATA\MS04-160817\0817-010.D	8/17/16 13:26
07	I:\MS04\DATA\MS04-160817\0817-011.D	8/17/16 13:54	08	I:\MS04\DATA\MS04-160817\0817-012.D	8/17/16 14:23

Analyte**2,4-Dimethylphenol**

#	Amount	RF									
01	5.0000	0.3226	02	10.000	0.3165	03	20.000	0.3357	04	40.000	0.3917
05	50.000	0.4010	06	60.000	0.3829	07	80.000	0.3813	08	100.00	0.3982

2-Methylnaphthalene

#	Amount	RF									
01	5.0000	0.7796	02	10.000	0.7289	03	20.000	0.7838	04	40.000	0.8924
05	50.000	0.8877	06	60.000	0.8549	07	80.000	0.8585	08	100.00	0.8784

2-Methylphenol

#	Amount	RF									
01	5.0000	1.473	02	10.000	1.418	03	20.000	1.483	04	40.000	1.659
05	50.000	1.645	06	60.000	1.589	07	80.000	1.582	08	100.00	1.558

3- and 4-Methylphenol Coelution

#	Amount	RF									
01	5.0000	1.522	02	10.000	1.446	03	20.000	1.572	04	40.000	1.792
05	50.000	1.786	06	60.000	1.732	07	80.000	1.734	08	100.00	1.738

Acenaphthene

#	Amount	RF									
01	5.0000	1.409	02	10.000	1.372	03	20.000	1.437	04	40.000	1.628
05	50.000	1.652	06	60.000	1.600	07	80.000	1.584	08	100.00	1.603

Acenaphthylene

#	Amount	RF									
01	5.0000	2.436	02	10.000	2.386	03	20.000	2.499	04	40.000	2.798
05	50.000	2.810	06	60.000	2.740	07	80.000	2.721	08	100.00	2.775

Anthracene

#	Amount	RF									
01	5.0000	1.255	02	10.000	1.217	03	20.000	1.309	04	40.000	1.509
05	50.000	1.522	06	60.000	1.481	07	80.000	1.493	08	100.00	1.512

Benz(a)anthracene

#	Amount	RF									
01	5.0000	1.346	02	10.000	1.298	03	20.000	1.358	04	40.000	1.549
05	50.000	1.560	06	60.000	1.475	07	80.000	1.512	08	100.00	1.532

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: Beazer East, Inc.
Project: Gainesville 2016 3Q-Annual GW Sampling/OM-0450-16

Service Request: J1606036
Calibration Date: 8/17/16

Initial Calibration Summary
Semivolatile Organic Compounds by GC/MS

Calibration ID: JC1600059
Instrument ID: J-MS-04

Signal ID: 1

Analyte

Benzo(a)pyrene

#	Amount	RF									
01	5.0000	1.141	02	10.000	1.141	03	20.000	1.246	04	40.000	1.489
05	50.000	1.539	06	60.000	1.458	07	80.000	1.531	08	100.00	1.560

Benzo(b)fluoranthene

#	Amount	RF									
01	5.0000	1.384	02	10.000	1.357	03	20.000	1.470	04	40.000	1.775
05	50.000	1.831	06	60.000	1.767	07	80.000	1.771	08	100.00	1.872

Benzo(g,h,i)perylene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	5.0000	0.9954	02	10.000	0.9822	03	20.000	1.077	04	40.000	1.313
05	50.000	1.358	06	60.000	1.317	07	80.000	1.377	08	100.00	1.419

Benzo(k)fluoranthene

#	Amount	RF									
01	5.0000	1.276	02	10.000	1.263	03	20.000	1.382	04	40.000	1.560
05	50.000	1.556	06	60.000	1.523	07	80.000	1.557	08	100.00	1.576

Carbazole

#	Amount	RF									
01	5.0000	1.297	02	10.000	1.273	03	20.000	1.359	04	40.000	1.554
05	50.000	1.578	06	60.000	1.527	07	80.000	1.539	08	100.00	1.553

Chrysene

#	Amount	RF									
01	5.0000	1.231	02	10.000	1.133	03	20.000	1.186	04	40.000	1.346
05	50.000	1.362	06	60.000	1.295	07	80.000	1.316	08	100.00	1.334

Dibenz(a,h)anthracene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	5.0000	0.9574	02	10.000	0.9654	03	20.000	1.067	04	40.000	1.299
05	50.000	1.355	06	60.000	1.318	07	80.000	1.388	08	100.00	1.439

Dibenzofuran

#	Amount	RF									
01	5.0000	1.947	02	10.000	1.897	03	20.000	1.972	04	40.000	2.213
05	50.000	2.220	06	60.000	2.165	07	80.000	2.182	08	100.00	2.196

Fluoranthene

#	Amount	RF									
01	5.0000	1.093	02	10.000	1.084	03	20.000	1.177	04	40.000	1.378
05	50.000	1.419	06	60.000	1.369	07	80.000	1.398	08	100.00	1.408

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: Beazer East, Inc.
Project: Gainesville 2016 3Q-Annual GW Sampling/OM-0450-16

Service Request: J1606036
Calibration Date: 8/17/16

Initial Calibration Summary
Semivolatile Organic Compounds by GC/MS

Calibration ID: JC1600059**Signal ID:** 1**Instrument ID:** J-MS-04**Analyte****Fluorene**

#	Amount	RF									
01	5.0000	1.674	02	10.000	1.613	03	20.000	1.748	04	40.000	2.012
05	50.000	2.021	06	60.000	1.968	07	80.000	1.966	08	100.00	1.948

Indeno(1,2,3-cd)pyrene

#	Amount	RF									
01	5.0000	1.138	02	10.000	1.150	03	20.000	1.281	04	40.000	1.595
05	50.000	1.657	06	60.000	1.587	07	80.000	1.691	08	100.00	1.753

Naphthalene

#	Amount	RF									
01	5.0000	1.191	02	10.000	1.103	03	20.000	1.171	04	40.000	1.319
05	50.000	1.316	06	60.000	1.252	07	80.000	1.240	08	100.00	1.265

Pentachlorophenol (PCP)

#	Amount	RF									
02	10.000	0.03977	03	20.000	0.05214	04	40.000	0.07140	05	50.000	0.07570
06	60.000	0.07674	07	80.000	0.08170	08	100.00	0.09007			

Phenanthrene

#	Amount	RF									
01	5.0000	1.292	02	10.000	1.248	03	20.000	1.308	04	40.000	1.495
05	50.000	1.514	06	60.000	1.456	07	80.000	1.488	08	100.00	1.497

Phenol

#	Amount	RF									
01	5.0000	1.929	02	10.000	1.859	03	20.000	1.972	04	40.000	2.225
05	50.000	2.218	06	60.000	2.118	07	80.000	2.132	08	100.00	2.123

Pyrene

#	Amount	RF									
01	5.0000	1.631	02	10.000	1.628	03	20.000	1.719	04	40.000	2.094
05	50.000	2.129	06	60.000	2.025	07	80.000	2.063	08	100.00	2.093

2,4,6-Tribromophenol

#	Amount	RF									
01	5.0000	0.04168	02	10.000	0.04652	03	20.000	0.05530	04	40.000	0.06979
05	50.000	0.07359	06	60.000	0.07461	07	80.000	0.07789	08	100.00	0.08161

Phenol-d6

#	Amount	RF									
01	5.0000	1.810	02	10.000	1.747	03	20.000	1.829	04	40.000	2.108
05	50.000	2.074	06	60.000	2.013	07	80.000	2.032	08	100.00	2.008

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: Beazer East, Inc.
Project: Gainesville 2016 3Q-Annual GW Sampling/OM-0450-16

Service Request: J1606036
Calibration Date: 8/17/16

Initial Calibration Summary
Semivolatile Organic Compounds by GC/MS

Calibration ID: JC1600059**Signal ID:** 1**Instrument ID:** J-MS-04**Analyte**

Nitrobenzene-d5

#	Amount	RF									
01	5.0000	1.074	02	10.000	1.081	03	20.000	1.204	04	40.000	1.419
05	50.000	1.436	06	60.000	1.388	07	80.000	1.400	08	100.00	1.388

2-Fluorophenol

#	Amount	RF									
01	5.0000	1.476	02	10.000	1.414	03	20.000	1.509	04	40.000	1.688
05	50.000	1.709	06	60.000	1.635	07	80.000	1.646	08	100.00	1.636

2-Fluorobiphenyl

#	Amount	RF									
01	5.0000	1.601	02	10.000	1.531	03	20.000	1.624	04	40.000	1.855
05	50.000	1.854	06	60.000	1.807	07	80.000	1.805	08	100.00	1.811

p-Terphenyl-d14

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	5.0000	0.9554	02	10.000	0.9445	03	20.000	1.005	04	40.000	1.227
05	50.000	1.248	06	60.000	1.199	07	80.000	1.229	08	100.00	1.266

Client: Beazer East, Inc.
Project: Gainesville 2016 3Q-Annual GW Sampling/OM-0450-16

Service Request: J1606036
Calibration Date: 8/17/16

Initial Calibration Summary
Semivolatile Organic Compounds by GC/MS

Calibration ID: JC1600059**Signal ID:** 1**Instrument ID:** J-MS-04

Analyte Name	Compound Type	Calibration Evaluation					RRF Evaluation		
		Fit Type	Eval.	Eval. Result	Q	Control Criteria	Average RRF	Q	Minimum RRF
2,4-Dimethylphenol	TRG	Average RF	% RSD	9.6		≤ 20	0.3662		0.2
2-Methylnaphthalene	TRG	Average RF	% RSD	7.3		≤ 20	0.8330		0.4
2-Methylphenol	TRG	Average RF	% RSD	5.5		≤ 20	1.551		0.7
3- and 4-Methylphenol Coelution	TRG	Average RF	% RSD	8.0		≤ 20	1.665		0.6
Acenaphthene	TRG	Average RF	% RSD	7.2		≤ 20	1.535		0.9
Acenaphthylene	TRG	Average RF	% RSD	6.6		≤ 20	2.646		0.9
Anthracene	TRG	Average RF	% RSD	9.1		≤ 20	1.412		0.7
Benz(a)anthracene	TRG	Average RF	% RSD	7.1		≤ 20	1.454		0.8
Benzo(a)pyrene	TRG	Average RF	% RSD	13.1		≤ 20	1.388		0.7
Benzo(b)fluoranthene	TRG	Average RF	% RSD	12.8		≤ 20	1.653		0.7
Benzo(g,h,i)perylene	TRG	Average RF	% RSD	14.7		≤ 20	1.230		0.5
Benzo(k)fluoranthene	TRG	Average RF	% RSD	9.1		≤ 20	1.461		0.7
Carbazole	TRG	Average RF	% RSD	8.7		≤ 20	1.460		0.01
Chrysene	TRG	Average RF	% RSD	6.5		≤ 20	1.276		0.7
Dibenz(a,h)anthracene	TRG	Linear	R2	0.998		≥ 0.990	NA		0.4
Dibenzofuran	TRG	Average RF	% RSD	6.5		≤ 20	2.099		0.8
Fluoranthene	TRG	Average RF	% RSD	11.3		≤ 20	1.291		0.6
Fluorene	TRG	Average RF	% RSD	8.8		≤ 20	1.869		0.9
Indeno(1,2,3-cd)pyrene	TRG	Linear	R2	0.998		≥ 0.990	NA		0.5
Naphthalene	TRG	Average RF	% RSD	6.0		≤ 20	1.232		0.7
Pentachlorophenol (PCP)	TRG	Linear	R2	0.994		≥ 0.990	NA		0.05
Phenanthrene	TRG	Average RF	% RSD	7.8		≤ 20	1.412		0.7
Phenol	TRG	Average RF	% RSD	6.5		≤ 20	2.072		0.8
Pyrene	TRG	Average RF	% RSD	11.5		≤ 20	1.923		0.6
2,4,6-Tribromophenol	SURR	Linear	R2	0.997		≥ 0.990	NA		
Phenol-d6	SURR	Average RF	% RSD	7.0		≤ 20	1.953		
Nitrobenzene-d5	SURR	Average RF	% RSD	11.9		≤ 20	1.299		
2-Fluorophenol	SURR	Average RF	% RSD	6.8		≤ 20	1.589		
2-Fluorobiphenyl	SURR	Average RF	% RSD	7.4		≤ 20	1.736		
p-Terphenyl-d14	SURR	Average RF	% RSD	12.3		≤ 20	1.134		

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: Beazer East, Inc.
Project: Gainesville 2016 3Q-Annual GW Sampling/OM-0450-16

Service Request: J1606036
Calibration Date: 8/17/16

Initial Calibration Verification Summary
Semivolatile Organic Compounds by GC/MS

Calibration ID: JC1600059
Instrument ID: J-MS-04

Signal ID: 1

#	File Location	Acquisition Date
09	I:\MS04\DATA\MS04-160817\0817-013.D	8/17/16 14:51

Analyte Name	Expected	Result	Average RF	SSV RF	%D	Criteria	Curve Fit
2,4-Dimethylphenol	50.0	59.5	0.3662	0.4361	19.07	±30	Average RF
2-Methylnaphthalene	50.0	58.2	0.8330	0.9696	16.40	±30	Average RF
2-Methylphenol	50.0	57.6	1.551	1.787	15.21	±30	Average RF
3- and 4-Methylphenol Coelution	50.0	58.0	1.665	1.931	15.94	±30	Average RF
Acenaphthene	50.0	59.9	1.535	1.841	19.88	±30	Average RF
Acenaphthylene	50.0	59.0	2.646	3.123	18.06	±30	Average RF
Anthracene	50.0	58.5	1.412	1.651	16.93	±30	Average RF
Benz(a)anthracene	50.0	54.6	1.454	1.587	9.13	±30	Average RF
Benzo(a)pyrene	50.0	56.3	1.388	1.564	12.67	±30	Average RF
Benzo(b)fluoranthene	50.0	57.0	1.653	1.883	13.91	±30	Average RF
Benzo(g,h,i)perylene	50.0	56.7	1.230	1.394	13.36	±30	Average RF
Benzo(k)fluoranthene	50.0	56.2	1.461	1.643	12.45	±30	Average RF
Carbazole	50.0	58.3	1.460	1.703	16.65	±30	Average RF
Chrysene	50.0	54.7	1.276	1.396	9.41	±30	Average RF
Dibenz(a,h)anthracene	50.0	51.3	1.224	1.391	2.66	±30	Linear
Dibenzofuran	50.0	58.4	2.099	2.450	16.73	±30	Average RF
Fluoranthene	50.0	59.3	1.291	1.530	18.51	±30	Average RF
Fluorene	50.0	59.0	1.869	2.204	17.97	±30	Average RF
Indeno(1,2,3-cd)pyrene	50.0	51.3	1.482	1.692	2.66	±30	Linear
Naphthalene	50.0	57.5	1.232	1.417	15.01	±30	Average RF
Pentachlorophenol (PCP)	50.0	54.1	0.06965	0.08563	8.11	±30	Linear
Phenanthrene	50.0	56.9	1.412	1.607	13.75	±30	Average RF
Phenol	50.0	56.8	2.072	2.353	13.58	±30	Average RF
Pyrene	50.0	55.2	1.923	2.122	10.34	±30	Average RF

Client:
Project:Beazer East, Inc.
Gainesville 2016 3Q-Annual GW Sampling/OM-0450-16Service Request: J1606036
Date Analyzed: 8/29/16Continuing Calibration Verification Summary
Semivolatile Organic Compounds by GC/MS

Analytical Method: 8270D

File ID: I:\MS04\DATA\MS04-160829\0829-005.D\

Calibration Date: 8/17/16
Calibration ID: JC1600059
Analysis Lot: 512096
Units: µg/mL

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
2,4-Dimethylphenol	50.0	50.9	0.3662	0.3730	1.9	NA	± 20 %	Average RF
2-Methylnaphthalene	50.0	50.9	0.8330	0.8486	1.9	NA	± 20 %	Average RF
2-Methylphenol	50.0	50.3	1.551	1.559	0.5	NA	± 20 %	Average RF
3- and 4-Methylphenol Coelution	50.0	51.7	1.665	1.721	3.4	NA	± 20 %	Average RF
Acenaphthene	50.0	52.4	1.535	1.609	4.8	NA	± 20 %	Average RF
Acenaphthylene	50.0	51.6	2.646	2.732	3.2	NA	± 20 %	Average RF
Anthracene	50.0	50.6	1.412	1.428	1.1	NA	± 20 %	Average RF
Benz(a)anthracene	50.0	50.7	1.454	1.474	1.4	NA	± 20 %	Average RF
Benzo(a)pyrene	50.0	51.5	1.388	1.430	3.0	NA	± 20 %	Average RF
Benzo(b)fluoranthene	50.0	52.1	1.653	1.723	4.2	NA	± 20 %	Average RF
Benzo(g,h,i)perylene	50.0	51.5	1.230	1.268	3.1	NA	± 20 %	Average RF
Benzo(k)fluoranthene	50.0	52.4	1.461	1.531	4.7	NA	± 20 %	Average RF
Carbazole	50.0	49.8	1.460	1.455	-0.3	NA	± 20 %	Average RF
Chrysene	50.0	50.3	1.276	1.282	0.5	NA	± 20 %	Average RF
Dibenz(a,h)anthracene	50.0	47.7	NA	NA	NA	-4.6	± 20 %	Linear
Dibenzofuran	50.0	52.6	2.099	2.208	5.2	NA	± 20 %	Average RF
Fluoranthene	50.0	50.5	1.291	1.303	1.0	NA	± 20 %	Average RF
Fluorene	50.0	54.3	1.869	2.031	8.7	NA	± 20 %	Average RF
Indeno(1,2,3-cd)pyrene	50.0	47.6	NA	NA	NA	-4.9	± 20 %	Linear
Naphthalene	50.0	51.4	1.232	1.267	2.9	NA	± 20 %	Average RF
Pentachlorophenol (PCP)	50.0	55.1	NA	NA	NA	10.1	± 20 %	Linear
Phenanthrene	50.0	51.3	1.412	1.450	2.6	NA	± 20 %	Average RF
Phenol	50.0	50.2	2.072	2.079	0.4	NA	± 20 %	Average RF
Pyrene	50.0	53.3	1.923	2.049	6.6	NA	± 20 %	Average RF
2,4,6-Tribromophenol	50.0	51.3	NA	NA	NA	2.7	± 20 %	Linear
Phenol-d6	50.0	50.6	1.953	1.976	1.2	NA	± 20 %	Average RF
Nitrobenzene-d5	50.0	54.3	1.299	1.410	8.6	NA	± 20 %	Average RF
2-Fluorophenol	50.0	50.9	1.589	1.617	1.7	NA	± 20 %	Average RF
2-Fluorobiphenyl	50.0	52.9	1.736	1.838	5.9	NA	± 20 %	Average RF
p-Terphenyl-d14	50.0	53.0	1.134	1.203	6.1	NA	± 20 %	Average RF

Client: Beazer East, Inc.
Project: Gainesville 2016 3Q-Annual GW Sampling/OM-0450-16

Service Request: J1606036
Date Analyzed: 8/30/16

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

Analytical Method: 8270D

Calibration Date: 8/17/16
Calibration ID: JC1600059
Analysis Lot: 512143
Units: µg/mL

File ID: I:\MS04\DATA\MS04-160830\0830-006.D\

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
2,4-Dimethylphenol	50.0	47.3	0.3662	0.3462	-5.5	NA	± 20 %	Average RF
2-Methylnaphthalene	50.0	47.0	0.8330	0.7824	-6.1	NA	± 20 %	Average RF
2-Methylphenol	50.0	46.5	1.551	1.443	-7.0	NA	± 20 %	Average RF
3- and 4-Methylphenol Coelution	50.0	48.0	1.665	1.598	-4.0	NA	± 20 %	Average RF
Acenaphthene	50.0	47.9	1.535	1.470	-4.3	NA	± 20 %	Average RF
Acenaphthylene	50.0	48.1	2.646	2.545	-3.8	NA	± 20 %	Average RF
Anthracene	50.0	48.3	1.412	1.364	-3.4	NA	± 20 %	Average RF
Benz(a)anthracene	50.0	47.4	1.454	1.379	-5.2	NA	± 20 %	Average RF
Benzo(a)pyrene	50.0	49.1	1.388	1.363	-1.8	NA	± 20 %	Average RF
Benzo(b)fluoranthene	50.0	49.7	1.653	1.645	-0.5	NA	± 20 %	Average RF
Benzo(g,h,i)perylene	50.0	48.7	1.230	1.197	-2.7	NA	± 20 %	Average RF
Benzo(k)fluoranthene	50.0	49.7	1.461	1.453	-0.6	NA	± 20 %	Average RF
Carbazole	50.0	47.4	1.460	1.385	-5.1	NA	± 20 %	Average RF
Chrysene	50.0	47.3	1.276	1.207	-5.3	NA	± 20 %	Average RF
Dibenz(a,h)anthracene	50.0	44.4	NA	NA	NA	-11.2	± 20 %	Linear
Dibenzofuran	50.0	49.3	2.099	2.067	-1.5	NA	± 20 %	Average RF
Fluoranthene	50.0	49.5	1.291	1.278	-1.0	NA	± 20 %	Average RF
Fluorene	50.0	49.7	1.869	1.858	-0.6	NA	± 20 %	Average RF
Indeno(1,2,3-cd)pyrene	50.0	44.4	NA	NA	NA	-11.3	± 20 %	Linear
Naphthalene	50.0	48.1	1.232	1.185	-3.9	NA	± 20 %	Average RF
Pentachlorophenol (PCP)	50.0	56.2	NA	NA	NA	12.4	± 20 %	Linear
Phenanthrene	50.0	47.8	1.412	1.350	-4.4	NA	± 20 %	Average RF
Phenol	50.0	46.8	2.072	1.940	-6.4	NA	± 20 %	Average RF
Pyrene	50.0	47.6	1.923	1.829	-4.9	NA	± 20 %	Average RF
2,4,6-Tribromophenol	50.0	51.8	NA	NA	NA	3.5	± 20 %	Linear
Phenol-d6	50.0	47.0	1.953	1.836	-6.0	NA	± 20 %	Average RF
Nitrobenzene-d5	50.0	49.7	1.299	1.290	-0.7	NA	± 20 %	Average RF
2-Fluorophenol	50.0	47.0	1.589	1.492	-6.1	NA	± 20 %	Average RF
2-Fluorobiphenyl	50.0	48.7	1.736	1.689	-2.7	NA	± 20 %	Average RF
p-Terphenyl-d14	50.0	48.0	1.134	1.090	-3.9	NA	± 20 %	Average RF

Client: Beazer East, Inc.
Project: Gainesville 2016 3Q-Annual GW Sampling/OM-0450-16

Service Request: J1606036
Date Analyzed: 9/1/16

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

Analytical Method: 8270D

File ID: I:\MS04\DATA\MS04-160901\0901-005.D\

Calibration Date: 8/17/16
Calibration ID: JC1600059
Analysis Lot: 512685
Units: $\mu\text{g/mL}$

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
2,4-Dimethylphenol	50.0	51.8	0.3662	0.3797	3.7	NA	$\pm 20\%$	Average RF
2-Methylnaphthalene	50.0	50.9	0.8330	0.8485	1.9	NA	$\pm 20\%$	Average RF
2-Methylphenol	50.0	51.2	1.551	1.589	2.4	NA	$\pm 20\%$	Average RF
3- and 4-Methylphenol Coelution	50.0	50.7	1.665	1.688	1.4	NA	$\pm 20\%$	Average RF
Acenaphthene	50.0	50.5	1.535	1.550	0.9	NA	$\pm 20\%$	Average RF
Acenaphthylene	50.0	51.5	2.646	2.723	2.9	NA	$\pm 20\%$	Average RF
Anthracene	50.0	50.2	1.412	1.418	0.4	NA	$\pm 20\%$	Average RF
Benz(a)anthracene	50.0	50.7	1.454	1.474	1.4	NA	$\pm 20\%$	Average RF
Benzo(a)pyrene	50.0	52.7	1.388	1.462	5.3	NA	$\pm 20\%$	Average RF
Benzo(b)fluoranthene	50.0	51.1	1.653	1.688	2.1	NA	$\pm 20\%$	Average RF
Benzo(g,h,i)perylene	50.0	53.0	1.230	1.304	6.0	NA	$\pm 20\%$	Average RF
Benzo(k)fluoranthene	50.0	53.3	1.461	1.557	6.5	NA	$\pm 20\%$	Average RF
Carbazole	50.0	50.0	1.460	1.461	0.0	NA	$\pm 20\%$	Average RF
Chrysene	50.0	51.9	1.276	1.325	3.9	NA	$\pm 20\%$	Average RF
Dibenz(a,h)anthracene	50.0	48.1	NA	NA	NA	-3.7	$\pm 20\%$	Linear
Dibenzofuran	50.0	53.1	2.099	2.230	6.2	NA	$\pm 20\%$	Average RF
Fluoranthene	50.0	51.9	1.291	1.339	3.7	NA	$\pm 20\%$	Average RF
Fluorene	50.0	50.6	1.869	1.889	1.1	NA	$\pm 20\%$	Average RF
Indeno(1,2,3-cd)pyrene	50.0	47.4	NA	NA	NA	-5.3	$\pm 20\%$	Linear
Naphthalene	50.0	51.1	1.232	1.260	2.2	NA	$\pm 20\%$	Average RF
Pentachlorophenol (PCP)	50.0	54.8	NA	NA	NA	9.7	$\pm 20\%$	Linear
Phenanthrene	50.0	49.8	1.412	1.406	-0.4	NA	$\pm 20\%$	Average RF
Phenol	50.0	50.5	2.072	2.091	0.9	NA	$\pm 20\%$	Average RF
Pyrene	50.0	50.9	1.923	1.959	1.9	NA	$\pm 20\%$	Average RF
2,4,6-Tribromophenol	50.0	58.0	NA	NA	NA	16.0	$\pm 20\%$	Linear
Phenol-d6	50.0	50.9	1.953	1.987	1.8	NA	$\pm 20\%$	Average RF
Nitrobenzene-d5	50.0	55.5	1.299	1.441	10.9	NA	$\pm 20\%$	Average RF
2-Fluorophenol	50.0	50.6	1.589	1.609	1.3	NA	$\pm 20\%$	Average RF
2-Fluorobiphenyl	50.0	51.9	1.736	1.803	3.9	NA	$\pm 20\%$	Average RF
p-Terphenyl-d14	50.0	51.4	1.134	1.165	2.7	NA	$\pm 20\%$	Average RF

Client:
Project:Beazer East, Inc.
Gainesville 2016 3Q-Annual GW Sampling/OM-0450-16Service Request: J1606036
Date Analyzed: 9/12/16

Continuing Calibration Verification Summary
Semivolatile Organic Compounds by GC/MS

Analytical Method: 8270D

Calibration Date: 8/17/16
Calibration ID: JC1600059
Analysis Lot: 513847
Units: µg/mL

File ID: I:\MS04\DATA\MS04-160912\0912-035.D\

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
2,4-Dimethylphenol	50.0	50.0	0.3662	0.3662	0.0	NA	± 20 %	Average RF
2-Methylnaphthalene	50.0	49.4	0.8330	0.8225	-1.3	NA	± 20 %	Average RF
2-Methylphenol	50.0	48.1	1.551	1.491	-3.9	NA	± 20 %	Average RF
3- and 4-Methylphenol Coelution	50.0	46.7	1.665	1.556	-6.5	NA	± 20 %	Average RF
Acenaphthene	50.0	47.7	1.535	1.464	-4.7	NA	± 20 %	Average RF
Acenaphthylene	50.0	48.3	2.646	2.554	-3.5	NA	± 20 %	Average RF
Anthracene	50.0	49.0	1.412	1.385	-2.0	NA	± 20 %	Average RF
Benz(a)anthracene	50.0	49.4	1.454	1.437	-1.2	NA	± 20 %	Average RF
Benzo(a)pyrene	50.0	50.5	1.388	1.403	1.1	NA	± 20 %	Average RF
Benzo(b)fluoranthene	50.0	49.5	1.653	1.637	-1.0	NA	± 20 %	Average RF
Benzo(g,h,i)perylene	50.0	51.0	1.230	1.254	2.0	NA	± 20 %	Average RF
Benzo(k)fluoranthene	50.0	50.3	1.461	1.471	0.7	NA	± 20 %	Average RF
Carbazole	50.0	47.8	1.460	1.395	-4.5	NA	± 20 %	Average RF
Chrysene	50.0	50.9	1.276	1.298	1.8	NA	± 20 %	Average RF
Dibenz(a,h)anthracene	50.0	46.1	NA	NA	NA	-7.8	± 20 %	Linear
Dibenzofuran	50.0	50.2	2.099	2.108	0.4	NA	± 20 %	Average RF
Fluoranthene	50.0	50.8	1.291	1.311	1.5	NA	± 20 %	Average RF
Fluorene	50.0	47.2	1.869	1.762	-5.7	NA	± 20 %	Average RF
Indeno(1,2,3-cd)pyrene	50.0	46.1	NA	NA	NA	-7.7	± 20 %	Linear
Naphthalene	50.0	49.5	1.232	1.219	-1.1	NA	± 20 %	Average RF
Pentachlorophenol (PCP)	50.0	52.5	NA	NA	NA	4.9	± 20 %	Linear
Phenanthrene	50.0	49.1	1.412	1.388	-1.7	NA	± 20 %	Average RF
Phenol	50.0	47.9	2.072	1.984	-4.2	NA	± 20 %	Average RF
Pyrene	50.0	48.5	1.923	1.866	-3.0	NA	± 20 %	Average RF
2,4,6-Tribromophenol	50.0	54.0	NA	NA	NA	8.0	± 20 %	Linear
Phenol-d6	50.0	49.1	1.953	1.917	-1.8	NA	± 20 %	Average RF
Nitrobenzene-d5	50.0	54.0	1.299	1.404	8.1	NA	± 20 %	Average RF
2-Fluorophenol	50.0	49.4	1.589	1.569	-1.3	NA	± 20 %	Average RF
2-Fluorobiphenyl	50.0	49.5	1.736	1.718	-1.0	NA	± 20 %	Average RF
p-Terphenyl-d14	50.0	49.0	1.134	1.111	-2.0	NA	± 20 %	Average RF

Client: Beazer East, Inc.
Project: Gainesville 2016 3Q-Annual GW Sampling/OM-0450-16

Service Request: J1606036

Analysis Run Log
Semivolatile Organic Compounds by GC/MS

Analytical Method: 8270D

Analysis Lot: 512096
Instrument ID: J-MS-04

Raw Data File	Sample Name	Lab Code	Date Analyzed	Time Analyzed	Q
0829-003.D\	Tune (Ion Ratios)	JQ1606509-01	8/29/16	10:25	
0829-005.D\	Continuing Calibration Verification	JQ1606509-02	8/29/16	11:13	
0829-006.D\	Method Blank	JQ1606464-01	8/29/16	11:41	
0829-008.D\	ZZZZZZZ	ZZZZZZZ	8/29/16	12:37	
0829-009.D\	ZZZZZZZ	ZZZZZZZ	8/29/16	13:05	
0829-010.D\	ZZZZZZZ	ZZZZZZZ	8/29/16	13:34	
0829-011.D\	GAIN-HG-24S-082216	J1606036-001	8/29/16	14:02	
0829-012.D\	GAIN-EB-06-082216	J1606036-002	8/29/16	14:29	
0829-013.D\	GAIN-HG-27S-082216	J1606036-003	8/29/16	14:57	
0829-014.D\	GAIN-HG-21S-082216	J1606036-004	8/29/16	15:24	
0829-015.D\	GAIN-HG-35S-082216	J1606036-005	8/29/16	15:52	
0829-016.D\	GAIN-HG-23D-082216	J1606036-006	8/29/16	16:19	
0829-017.D\	GAIN-HG-25D-082216	J1606036-007	8/29/16	16:46	
0829-018.D\	GAIN-HG-27D-082216	J1606036-008	8/29/16	17:14	
0829-019.D\	GAIN-HG-99H-082216	J1606036-009	8/29/16	17:42	
0829-020.D\	ZZZZZZZ	ZZZZZZZ	8/29/16	18:09	
0829-021.D\	ZZZZZZZ	ZZZZZZZ	8/29/16	18:36	
0829-022.D\	ZZZZZZZ	ZZZZZZZ	8/29/16	19:04	
0829-023.D\	ZZZZZZZ	ZZZZZZZ	8/29/16	19:31	
0829-024.D\	ZZZZZZZ	ZZZZZZZ	8/29/16	19:59	
0829-025.D\	ZZZZZZZ	ZZZZZZZ	8/29/16	20:26	
0829-026.D\	ZZZZZZZ	ZZZZZZZ	8/29/16	20:53	
0829-027.D\	ZZZZZZZ	ZZZZZZZ	8/29/16	21:21	
0829-028.D\	ZZZZZZZ	ZZZZZZZ	8/29/16	21:48	
0829-029.D\	ZZZZZZZ	ZZZZZZZ	8/29/16	22:15	

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

Client: Beazer East, Inc.
Project: Gainesville 2016 3Q-Annual GW Sampling/OM-0450-16

Service Request: J1606036

Analysis Run Log
Semivolatile Organic Compounds by GC/MS

Analytical Method: 8270D

Analysis Lot: 512143
Instrument ID: J-MS-04

Raw Data File	Sample Name	Lab Code	Date Analyzed	Time Analyzed	Q
0825-009.D\	ZZZZZZZ	ZZZZZZZ	8/25/16	16:51	
0830-004.D\	Tune (Ion Ratios)	JQ1606527-01	8/30/16	09:12	
0830-006.D\	Continuing Calibration Verification	JQ1606527-02	8/30/16	10:00	
0830-007.D\	ZZZZZZZ	ZZZZZZZ	8/30/16	10:28	
0830-008.D\	Lab Control Sample	JQ1606464-02	8/30/16	10:56	
0830-009.D\	ZZZZZZZ	ZZZZZZZ	8/30/16	11:24	
0830-010.D\	ZZZZZZZ	ZZZZZZZ	8/30/16	11:52	
0830-011.D\	ZZZZZZZ	ZZZZZZZ	8/30/16	12:19	
0830-012.D\	ZZZZZZZ	ZZZZZZZ	8/30/16	12:47	
0830-013.D\	ZZZZZZZ	ZZZZZZZ	8/30/16	13:15	
0830-014.D\	ZZZZZZZ	ZZZZZZZ	8/30/16	13:43	
0830-015.D\	ZZZZZZZ	ZZZZZZZ	8/30/16	14:11	
0830-016.D\	ZZZZZZZ	ZZZZZZZ	8/30/16	14:39	
0830-017.D\	ZZZZZZZ	ZZZZZZZ	8/30/16	15:07	
0830-018.D\	ZZZZZZZ	ZZZZZZZ	8/30/16	15:34	
0830-019.D\	ZZZZZZZ	ZZZZZZZ	8/30/16	16:02	
0830-020.D\	ZZZZZZZ	ZZZZZZZ	8/30/16	16:30	
0830-021.D\	ZZZZZZZ	ZZZZZZZ	8/30/16	16:57	
0830-022.D\	ZZZZZZZ	ZZZZZZZ	8/30/16	17:25	
0830-023.D\	ZZZZZZZ	ZZZZZZZ	8/30/16	17:52	
0830-024.D\	ZZZZZZZ	ZZZZZZZ	8/30/16	18:20	
0830-025.D\	ZZZZZZZ	ZZZZZZZ	8/30/16	18:47	
0830-026.D\	ZZZZZZZ	ZZZZZZZ	8/30/16	19:15	
0830-027.D\	ZZZZZZZ	ZZZZZZZ	8/30/16	19:42	
0830-028.D\	ZZZZZZZ	ZZZZZZZ	8/30/16	20:10	
0830-029.D\	ZZZZZZZ	ZZZZZZZ	8/30/16	20:37	
0830-030.D\	ZZZZZZZ	ZZZZZZZ	8/30/16	21:05	

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

Client: Beazer East, Inc.
Project: Gainesville 2016 3Q-Annual GW Sampling/OM-0450-16

Service Request: J1606036

Analysis Run Log
Semivolatile Organic Compounds by GC/MS

Analytical Method: 8270D

Analysis Lot: 512685
Instrument ID: J-MS-04

Raw Data File	Sample Name	Lab Code	Date Analyzed	Time Analyzed	Q
0901-003.D\	Tune (Ion Ratios)	JQ1606629-01	9/1/16	14:37	
0901-005.D\	Continuing Calibration Verification	JQ1606629-02	9/1/16	15:25	
0901-006.D\	Method Blank	JQ1606503-01	9/1/16	15:52	
0901-007.D\	Lab Control Sample	JQ1606503-02	9/1/16	16:19	
0901-008.D\	ZZZZZZZ	ZZZZZZZ	9/1/16	16:47	
0901-009.D\	ZZZZZZZ	ZZZZZZZ	9/1/16	17:14	
0901-010.D\	ZZZZZZZ	ZZZZZZZ	9/1/16	17:41	
0901-011.D\	ZZZZZZZ	ZZZZZZZ	9/1/16	18:09	
0901-012.D\	ZZZZZZZ	ZZZZZZZ	9/1/16	18:36	
0901-013.D\	ZZZZZZZ	ZZZZZZZ	9/1/16	19:02	
0901-014.D\	ZZZZZZZ	ZZZZZZZ	9/1/16	19:28	
0901-015.D\	ZZZZZZZ	ZZZZZZZ	9/1/16	19:55	
0901-016.D\	GAIN-HG-6S-082316	J1606036-010	9/1/16	20:21	
0901-017.D\	GAIN-HG-34S-082316	J1606036-011	9/1/16	20:47	
0901-018.D\	GAIN-HG-33S-082316	J1606036-012	9/1/16	21:13	
0901-019.D\	GAIN-HG-22D-082316	J1606036-013	9/1/16	21:39	
0901-020.D\	GAIN-HG-5D-082316	J1606036-014	9/1/16	22:05	
0901-021.D\	GAIN-EB-07-082316	J1606036-015	9/1/16	22:31	
0901-022.D\	GAIN-HG-20D-082316	J1606036-016	9/1/16	22:58	
0901-023.D\	GAIN-FB-07-082316	J1606036-017	9/1/16	23:24	
0901-024.D\	GAIN-HG-20S-082316	J1606036-018	9/1/16	23:50	
0901-025.D\	GAIN-HG-2D-082316	J1606036-019	9/2/16	00:16	
0901-026.D\	ZZZZZZZ	ZZZZZZZ	9/2/16	00:42	
0901-027.D\	ZZZZZZZ	ZZZZZZZ	9/2/16	01:08	
0901-028.D\	ZZZZZZZ	ZZZZZZZ	9/2/16	01:33	
0901-029.D\	ZZZZZZZ	ZZZZZZZ	9/2/16	01:59	

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

Client: Beazer East, Inc.
 Project: Gainesville 2016 3Q-Annual GW Sampling/OM-0450-16

Service Request: J1606036

Analysis Run Log
Semivolatile Organic Compounds by GC/MS

Analytical Method: 8270D

Analysis Lot: 513847
 Instrument ID: J-MS-04

Raw Data File	Sample Name	Lab Code	Date Analyzed	Time Analyzed	Q
0829-021.D\	ZZZZZZZ	ZZZZZZZ	8/29/16	18:36	
0829-022.D\	ZZZZZZZ	ZZZZZZZ	8/29/16	19:04	
0829-023.D\	ZZZZZZZ	ZZZZZZZ	8/29/16	19:31	
0829-024.D\	ZZZZZZZ	ZZZZZZZ	8/29/16	19:59	
0829-025.D\	ZZZZZZZ	ZZZZZZZ	8/29/16	20:26	
0829-026.D\	ZZZZZZZ	ZZZZZZZ	8/29/16	20:53	
0829-027.D\	ZZZZZZZ	ZZZZZZZ	8/29/16	21:21	
0830-025.D\	ZZZZZZZ	ZZZZZZZ	8/30/16	18:47	
0901-017.D\	GAIN-HG-34S-082316	J1606036-011	9/1/16	20:47	
0901-018.D\	GAIN-HG-33S-082316	J1606036-012	9/1/16	21:13	
0901-022.D\	GAIN-HG-20D-082316	J1606036-016	9/1/16	22:58	
0901-025.D\	GAIN-HG-2D-082316	J1606036-019	9/2/16	00:16	
0906-020.D\	ZZZZZZZ	ZZZZZZZ	9/6/16	20:00	
0906-023.D\	ZZZZZZZ	ZZZZZZZ	9/6/16	21:22	
0906-025.D\	ZZZZZZZ	ZZZZZZZ	9/6/16	22:17	
0906-043.D\	ZZZZZZZ	ZZZZZZZ	9/7/16	06:20	
0912-033.D\	Tune (Ion Ratios)	JQ1606857-01	9/12/16	22:55	
0912-035.D\	Continuing Calibration Verification	JQ1606857-02	9/12/16	23:42	
0912-036.D\	GAIN-HG-34S-082316	J1606036-011	9/13/16	00:10	
0912-037.D\	GAIN-HG-33S-082316	J1606036-012	9/13/16	00:37	
0912-038.D\	GAIN-HG-20D-082316	J1606036-016	9/13/16	01:05	
0912-039.D\	GAIN-HG-2D-082316	J1606036-019	9/13/16	01:33	
0912-040.D\	ZZZZZZZ	ZZZZZZZ	9/13/16	02:00	
0912-041.D\	ZZZZZZZ	ZZZZZZZ	9/13/16	02:28	
0912-043.D\	ZZZZZZZ	ZZZZZZZ	9/13/16	03:23	
0912-045.D\	ZZZZZZZ	ZZZZZZZ	9/13/16	04:19	
0912-047.D\	ZZZZZZZ	ZZZZZZZ	9/13/16	05:14	
0912-049.D\	ZZZZZZZ	ZZZZZZZ	9/13/16	06:09	
0912-050.D\	ZZZZZZZ	ZZZZZZZ	9/13/16	06:37	
0912-052.D\	ZZZZZZZ	ZZZZZZZ	9/13/16	07:32	
0912-053.D\	ZZZZZZZ	ZZZZZZZ	9/13/16	08:00	
0912-054.D\	ZZZZZZZ	ZZZZZZZ	9/13/16	08:28	
0912-055.D\	ZZZZZZZ	ZZZZZZZ	9/13/16	09:06	
0912-056.D\	ZZZZZZZ	ZZZZZZZ	9/13/16	09:34	
0912-057.D\	ZZZZZZZ	ZZZZZZZ	9/13/16	10:01	

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

ALS Group USA, Corp. dba ALS Environmental

Prep Summary Report

Client: Beazer East, Inc.

Project: Gainesville 2016 3Q-Annual GW Sampling/OM-0450-16

Sample Matrix: Water

Service Request: J1606036**Semivolatile Organic Compounds by GC/MS****Prep Method:** EPA 3510C**Extraction Lot:** 269647**Analytical Method:** 8270D

Sample Name	Lab Code	Date Collected	Date Received	Sample Amount	Final Amount	Percent Solids
GAIN-HG-24S-082216	J1606036-001	8/22/16	8/24/16	980.0000 mL	1 mL	
GAIN-EB-06-082216	J1606036-002	8/22/16	8/24/16	1000 mL	1 mL	
GAIN-HG-27S-082216	J1606036-003	8/22/16	8/24/16	980.0000 mL	1 mL	
GAIN-HG-21S-082216	J1606036-004	8/22/16	8/24/16	980.0000 mL	1 mL	
GAIN-HG-35S-082216	J1606036-005	8/22/16	8/24/16	980.0000 mL	1 mL	
GAIN-HG-23D-082216	J1606036-006	8/22/16	8/24/16	1000 mL	1 mL	
GAIN-HG-25D-082216	J1606036-007	8/22/16	8/24/16	1000 mL	1 mL	
GAIN-HG-27D-082216	J1606036-008	8/22/16	8/24/16	1000 mL	1 mL	
GAIN-HG-99H-082216	J1606036-009	8/22/16	8/24/16	1000 mL	1 mL	
Method Blank	JQ1606464-01			1000 mL	1 mL	
Lab Control Sample	JQ1606464-02			1000 mL	1 mL	

ALS Group USA, Corp. dba ALS Environmental

Prep Summary Report

Client: Beazer East, Inc.

Project: Gainesville 2016 3Q-Annual GW Sampling/OM-0450-16

Sample Matrix: Water

Service Request: J1606036**Semivolatile Organic Compounds by GC/MS****Prep Method:** EPA 3510C**Extraction Lot:** 269772**Analytical Method:** 8270D

Sample Name	Lab Code	Date Collected	Date Received	Sample Amount	Final Amount	Percent Solids
GAIN-HG-6S-082316	J1606036-010	8/23/16	8/24/16	980.0000 mL	1 mL	
GAIN-HG-34S-082316	J1606036-011	8/23/16	8/24/16	970.0000 mL	1 mL	
GAIN-HG-33S-082316	J1606036-012	8/23/16	8/24/16	980.0000 mL	1 mL	
GAIN-HG-22D-082316	J1606036-013	8/23/16	8/24/16	1000.0000 mL	1 mL	
GAIN-HG-5D-082316	J1606036-014	8/23/16	8/24/16	1000.0000 mL	1 mL	
GAIN-EB-07-082316	J1606036-015	8/23/16	8/24/16	1000.0000 mL	1 mL	
GAIN-HG-20D-082316	J1606036-016	8/23/16	8/24/16	1000 mL	1 mL	
GAIN-FB-07-082316	J1606036-017	8/23/16	8/24/16	1000 mL	1 mL	
GAIN-HG-20S-082316	J1606036-018	8/23/16	8/24/16	1000 mL	1 mL	
GAIN-HG-2D-082316	J1606036-019	8/23/16	8/24/16	1000 mL	1 mL	
Method Blank	JQ1606503-01			1000 mL	1 mL	
Lab Control Sample	JQ1606503-02			1000 mL	1 mL	

Inorganic Analysis:
Metals

Summary Package

Sample and QC Results

Total Metals
- COVER PAGE -
INORGANIC ANALYSIS DATA PACKAGE

Client: Beazer East, Inc.SDG No.: J1606036Method Type: 6020A

SOW No.: _____

Contract: OM-0450-16Lab Code: ALJCK

Case No.: _____

SAS No.: _____

Lab Sample ID	Client Sample ID	QC Description
<u>J1606036-005</u>	<u>GAIN-HG-35S-082216</u>	
<u>J1606036-011</u>	<u>GAIN-HG-34S-082316</u>	
<u>J1606036-012</u>	<u>GAIN-HG-33S-082316</u>	

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:

09.30.2016.

Title:

Project Manager

Total Metals**- 1 -
INORGANIC ANALYSIS DATA PACKAGE**Client: Beazer East, Inc. SDG No.: J1606036 Method Type: _____**Sample ID:** J1606036-005**Client ID:** GAIN-HG-35S-082216**Matrix:** WATER**Date Received:**8/24/2016**Level:**LOW**% Solids:****Sample Wt/Vol:**50.0**Final Vol:**50.0**Prep Batch ID:** 269583**Prep Date:** 8/29/2016

Analyte	Concentration	Units	C	Qual	Analytical					
					Method	MDL	MRL	Dil	Date	Time
Arsenic	1.2	ug/L			6020A	0.50	1.0	1.00	8/31/2016	17:19
Chromium	2.0	ug/L	U		6020A	2.0	2.0	1.00	9/7/2016	15:11

Comments: _____

Total Metals**- 1 -
INORGANIC ANALYSIS DATA PACKAGE**

Client: Beazer East, Inc. SDG No.: J1606036 Method Type: _____

Sample ID: J1606036-011	Client ID: GAIN-HG-34S-082316		
Matrix: WATER	Date Received:	8/24/2016	Level: LOW
% Solids:	Sample Wt/Vol:	50.0	Final Vol: 50.0
Prep Batch ID: 269583	Prep Date:	8/29/2016	

Analyte	Concentration	Units	C	Qual	Analytical					
					Method	MDL	MRL	Dil	Date	Time
Arsenic	0.56	ug/L	I		6020A	0.50	1.0	1.00	8/31/2016	17:21
Chromium	2.0	ug/L	U		6020A	2.0	2.0	1.00	9/7/2016	15:13

Comments: _____

Total Metals**- 1 -
INORGANIC ANALYSIS DATA PACKAGE**

Client: Beazer East, Inc. SDG No.: J1606036 Method Type: _____

Sample ID: J1606036-012	Client ID: GAIN-HG-33S-082316	
Matrix: WATER	Date Received: 8/24/2016	Level: LOW
% Solids:	Sample Wt/Vol: 50.0	Final Vol: 50.0
Prep Batch ID: 269583	Prep Date: 8/29/2016	

Analyte	Concentration	Units	C	Qual	Method	MDL	MRL	Dil	Date	Analytical Time
Arsenic	0.50	ug/L	U		6020A	0.50	1.0	1.00	8/31/2016	17:23
Chromium	2.0	ug/L	U		6020A	2.0	2.0	1.00	9/7/2016	15:15

Comments: _____

Total Metals**- 2a -****INITIAL AND CONTINUING CALIBRATION VERIFICATION**

Client: Beazer East, Inc. **SDG No.:** J1606036
Contract: OM-0450-16 **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
ICV	Arsenic	51.1	50.0	102	90.0 - 110.0	6020A	8/31/2016	16:10	NoGas 160
CCV	Arsenic	49.5	50.0	99	90.0 - 110.0	6020A	8/31/2016	16:30	NoGas 160
CCV	Arsenic	49.7	50.0	99	90.0 - 110.0	6020A	8/31/2016	16:52	NoGas 160
CCV	Arsenic	49.7	50.0	99	90.0 - 110.0	6020A	8/31/2016	17:14	NoGas 160
CCV	Arsenic	49.9	50.0	100	90.0 - 110.0	6020A	8/31/2016	17:37	NoGas 160
ICV	Chromium	51.9	50.0	104	90.0 - 110.0	6020A	9/7/2016	14:40	NoGas 160
CCV	Chromium	52.6	50.0	105	90.0 - 110.0	6020A	9/7/2016	14:59	NoGas 160
CCV	Chromium	52.3	50.0	105	90.0 - 110.0	6020A	9/7/2016	15:21	NoGas 160

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

Client: Beazer East, Inc. SDG No.: J1606036
Contract: OM-0450-16 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									
	Arsenic	1.08	1.00	108	50 - 150	6020A	8/31/2016	16:14	NoGas 16
MRL									
	Arsenic	1.20	1.00	120	50 - 150	6020A	8/31/2016	17:41	NoGas 16
MRL									
	Chromium	0.86	1.00	86	50 - 150	6020A	9/7/2016	14:43	NoGas 16
MRL									
	Chromium	0.83	1.00	83	50 - 150	6020A	9/7/2016	15:25	NoGas 16

Total Metals
- 3a -
INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Beazer East, Inc.

SDG No.: J1606036

Contract: OM-0450-16

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
ICB	Arsenic	0.50	+/-1.00	U	0.50	1.00	6020A	8/31/2016	16:12	NoGas 160831a
CCB	Arsenic	0.50	+/-1.00	U	0.50	1.00	6020A	8/31/2016	16:31	NoGas 160831a
CCB	Arsenic	0.50	+/-1.00	U	0.50	1.00	6020A	8/31/2016	16:54	NoGas 160831a
CCB	Arsenic	0.50	+/-1.00	U	0.50	1.00	6020A	8/31/2016	17:15	NoGas 160831a
CCB	Arsenic	0.50	+/-1.00	U	0.50	1.00	6020A	8/31/2016	17:39	NoGas 160831a
ICB	Chromium	2.00	+/-2.00	U	2.00	2.00	6020A	9/7/2016	14:41	NoGas 160907
CCB	Chromium	2.00	+/-2.00	U	2.00	2.00	6020A	9/7/2016	15:00	NoGas 160907
CCB	Chromium	2.00	+/-2.00	U	2.00	2.00	6020A	9/7/2016	15:23	NoGas 160907

Total Metals

- 3b -

PREPARATION BLANK SUMMARY

Client: Beazer East, Inc.

SDG No.: J1606036

Contract: OM-0450-16

Lab Code: ALJCK

Case No.:

SAS No.:

Sample ID	Analyte	Result (ug/L)	Conc Qual	Q	Acceptance Limit	MDL	MRL	Method	Analysis Date	Analysis Time	Run
MB-06445-04											
					WATER						
	Arsenic	0.500	U		+/-0.500	0.500	1.000	6020A	8/31/2016	16:33	NoGas 160831a
	Chromium	2.000	U		+/-2.000	2.000	2.000	6020A	9/7/2016	15:02	NoGas 160907A

Total Metals

- 4 -

INTERFERENCE CHECK SAMPLE

Client: Beazer East, Inc. **SDG No.:** J1606036
Contract: OM-0450-16 **Lab Code:** ALJCK **Case No.:** _____ **SAS No.:** _____
ICS Source: _____ **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									
	Arsenic	0.147			-2.000 to 2.000	6020A	8/31/2016	16:16	NoGas 160831
ICSA/B									
	Arsenic	20.7	20.0	104	80 - 120%	6020A	8/31/2016	16:18	NoGas 160831
ICSA									
	Arsenic	0.057			-2.000 to 2.000	6020A	8/31/2016	17:34	NoGas 160831
ICSA/B									
	Arsenic	20.9	20.0	104	80 - 120%	6020A	8/31/2016	17:35	NoGas 160831
ICSA									
	Chromium	-0.107			-2.000 to 2.000	6020A	9/7/2016	14:45	NoGas 160907
ICSA/B									
	Chromium	21.0	20.0	105	80 - 120%	6020A	9/7/2016	14:47	NoGas 160907
ICSA									
	Chromium	-0.086			-2.000 to 2.000	6020A	9/7/2016	15:17	NoGas 160907
ICSA/B									
	Chromium	21.2	20.0	106	80 - 120%	6020A	9/7/2016	15:19	NoGas 160907

Total Metals

- 7 -

LABORATORY CONTROL SAMPLE SUMMARY**Client:** Beazer East, Inc.**SDG No.:** J1606036**Contract:** OM-0450-16**Lab Code:** ALJCK**Case No.:** _____**SAS No.:** _____**Aqueous LCS Source:** Inorganic Ventures**Solid LCS Source:**

Sample	ID	Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	Method
LCS-06445-03									
		Arsenic	ug/L	50.0	49.6		99	75.0 - 125.0	6020A
		Chromium	ug/L	50.0	51.5		103	80.0 - 120.0	6020A

Total Metals

- 10 -

METHOD DETECTION LIMITS

Client: Beazer East, Inc.

SDG No.: J1606036

Contract: OM-0450-16

Lab Code: ALJCK

Case No.: _____ SAS No.: _____

Analyte	Mass	MDL ug/L	MRL ug/L
ICP-MS			
Arsenic	75	0.50	1.00
Chromium	52	2.00	2.00

Date: 1/20/2012

Total Metals
- 13 -
SAMPLE PREPARATION SUMMARY

Client: Beazer East, Inc. SDG No.: J1606036

Contract: OM-0450-16 Lab Code: ALJCK Method: MS

Case No.: SAS No.:

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number:	269583						
MB-06445-04	MB-06445-04	MB	WATER	8/29/16	50.0	50.0	
LCS-06445-03	LCS-06445-03	LCS	WATER	8/29/16	50.0	50.0	
J1606036-005	GAIN-HG-35S-082216	SAM	WATER	8/29/16	50.0	50.0	
J1606036-011	GAIN-HG-34S-082316	SAM	WATER	8/29/16	50.0	50.0	
J1606036-012	GAIN-HG-33S-082316	SAM	WATER	8/29/16	50.0	50.0	

Total Metals
14
ANALYSIS RUN LOG

Client: Beazer East, Inc. Contract: OM-0450-16

Lab Code: ALJCK Case No.: SAS No.: SDG No.: J1606036

Instrument ID Number: ICP-MS Method: MS Run Number: NoGas 160831

Start Date: 7/5/2016 End Date: 7/5/2016

EPA Sample No.	D/F	Time	% R	Analytes																				
				A L	S B	A S	B A	B E	C D	C A	C R	C O	F U	P B	M G	M N	H G	N I	K E	S G	A N	T G	Z L	C N
ZZZZZZ	1.00	2228																						
Cal Blank	1.00	1200				X																		
Cal Blank	1.00	1600			X																			
Cal Std 1	1.00	1602			X																			
Cal Std 2	1.00	1605			X																			
Cal Std 3	1.00	1607			X																			
Cal Std 4	1.00	1609			X																			
ICV	1.00	1610			X																			
ICB	1.00	1612			X																			
MRL	1.00	1614			X																			
ICSA	1.00	1616			X																			
ICSBAB	1.00	1618			X																			
ZZZZZZ	5.00	1620																						
CCV	1.00	1630				X																		
CCB	1.00	1631				X																		
MB-06445-04	1.00	1633				X																		
LCS-06445-03	1.00	1635				X																		
ZZZZZZ	1.00	1637																						
ZZZZZZ	1.00	1639																						
ZZZZZZ	1.00	1641																						
ZZZZZZ	1.00	1642																						
ZZZZZZ	1.00	1644																						
ZZZZZZ	1.00	1646																						
ZZZZZZ	1.00	1648																						
ZZZZZZ	1.00	1650																						
CCV	1.00	1652				X																		
CCB	1.00	1654				X																		
ZZZZZZ	1.00	1655																						
ZZZZZZ	1.00	1657																						
ZZZZZZ	5.00	1659																						
ZZZZZZ	1.00	1701																						
ZZZZZZ	1.00	1703																						
ZZZZZZ	1.00	1704																						
ZZZZZZ	1.00	1706																						
ZZZZZZ	1.00	1708																						
ZZZZZZ	1.00	1710																						

Total Metals
14
ANALYSIS RUN LOG

Client: Beazer East, Inc. Contract: OM-0450-16

Lab Code: ALJCK Case No.: SAS No.: SDG No.: J1606036

Instrument ID Number: ICP-MS Method: MS Run Number: NoGas 160831

Start Date: 7/5/2016 End Date: 7/5/2016

EPA Sample No.	D/F	Time	% R	Analytes																				
				A L	S B	A S	B A	B E	C D	C A	C R	C O	F U	P B	M G	M N	H G	N I	K S	S E	A G	A G	T A	V L
ZZZZZZ	1.00	1712																						
CCV	1.00	1714				X																		
CCB	1.00	1715			X																			
ZZZZZZ	1.00	1717																						
GAIN-HG-35S-082216	1.00	1719			X																			
GAIN-HG-34S-082316	1.00	1721			X																			
GAIN-HG-33S-082316	1.00	1723			X																			
ZZZZZZ	1.00	1725																						
ZZZZZZ	1.00	1727																						
ZZZZZZ	1.00	1728																						
ZZZZZZ	5.00	1730																						
ZZZZZZ	1.00	1732																						
ICSA	1.00	1734				X																		
ICSA	1.00	1735				X																		
CCV	1.00	1737				X																		
CCB	1.00	1739				X																		
MRL	1.00	1741				X																		
ZZZZZZ	1.00	1745																						

Total Metals

14

ANALYSIS RUN LOG

Client: Beazer East, Inc. Contract: OM-0450-16
 Lab Code: ALJCK Case No.: SAS No.: SDG No.: J1606036
 Instrument ID Number: ICP-MS Method: MS Run Number: NoGas 160907
 Start Date: 9/7/2016 End Date: 9/7/2016

EPA Sample No.	D/F	Time	% R	Analytes																					
				A L	S B	A S	B A	B E	C D	C A	C R	C O	C U	F E	P B	M G	M N	H G	N G	K I	S E	A G	A L	T V	Z N
ZZZZZZ	1.00	2228																							
Cal Blank	1.00	1429												X											
Cal Std 1	1.00	1431												X											
Cal Std 2	1.00	1434												X											
Cal Std 3	1.00	1436												X											
Cal Std 4	1.00	1438												X											
ICV	1.00	1440												X											
ICB	1.00	1441												X											
MRL	1.00	1443												X											
ICSA	1.00	1445												X											
ICSAB	1.00	1447												X											
ZZZZZZ	5.00	1449																							
CCV	1.00	1459												X											
CCB	1.00	1500												X											
MB-06445-04	1.00	1502												X											
LCS-06445-03	1.00	1504												X											
ZZZZZZ	1.00	1506																							
ZZZZZZ	1.00	1508																							
ZZZZZZ	1.00	1510																							
GAIN-HG-35S-082216	1.00	1511												X											
GAIN-HG-34S-082316	1.00	1513												X											
GAIN-HG-33S-082316	1.00	1515												X											
ICSA	1.00	1517												X											
ICSAB	1.00	1519												X											
CCV	1.00	1521												X											
CCB	1.00	1523												X											
MRL	1.00	1525												X											

Dissolved Metals
- COVER PAGE -
INORGANIC ANALYSIS DATA PACKAGE

Client: Beazer East, Inc.
SDG No.: J1606036 Method Type: 6020A SOW No.: _____
Contract: OM-0450-16 Lab Code: ALJCK Case No.: _____ SAS No.: _____

Lab Sample ID	Client Sample ID	QC Description
<u>J1606036-005</u>	<u>GAIN-HG-35S-082216</u>	
<u>J1606036-011</u>	<u>GAIN-HG-34S-082316</u>	
<u>J1606036-012</u>	<u>GAIN-HG-33S-082316</u>	

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: 09/30/2016 Title: Project Manager

Dissolved Metals**- 1 -
INORGANIC ANALYSIS DATA PACKAGE**Client: Beazer East, Inc. SDG No.: J1606036 Method Type: _____**Sample ID:** J1606036-005**Client ID:** GAIN-HG-35S-082216**Matrix:** WATER**Date Received:** 8/24/2016 **Level:** LOW**% Solids:****Sample Wt/Vol:** 50.0 **Final Vol:** 50.0**Prep Batch ID:** 269581**Prep Date:** 8/29/2016

Analyte	Concentration	Units	C	Qual	Method	MDL	MRL	Dil	Date	Time
Arsenic	0.91	ug/L	I		6020A	0.50	1.0	1.00	8/31/2016	20:47
Chromium	2.0	ug/L	U		6020A	2.0	2.0	1.00	8/31/2016	20:47

Comments: _____

Dissolved Metals**- 1 -
INORGANIC ANALYSIS DATA PACKAGE**Client: Beazer East, Inc. SDG No.: J1606036 Method Type: _____**Sample ID:** J1606036-011**Client ID:** GAIN-HG-34S-082316**Matrix:** WATER**Date Received:** 8/24/2016**Level:** LOW**% Solids:****Sample Wt/Vol:** 50.0**Final Vol:** 50.0**Prep Batch ID:** 269581**Prep Date:** 8/29/2016

Analyte	Concentration	Units	C	Qual	Method	MDL	MRL	Analytical		
								Dil	Date	Time
Arsenic	0.51	ug/L	I		6020A	0.50	1.0	1.00	8/31/2016	20:49
Chromium	2.0	ug/L	U		6020A	2.0	2.0	1.00	8/31/2016	20:49

Comments: _____

Dissolved Metals**- 1 -
INORGANIC ANALYSIS DATA PACKAGE**Client: Beazer East, Inc. SDG No.: J1606036 Method Type: _____

Sample ID: J1606036-012	Client ID: GAIN-HG-33S-082316	
Matrix: WATER	Date Received: 8/24/2016	Level: LOW
% Solids:	Sample Wt/Vol: 50.0	Final Vol: 50.0
Prep Batch ID: 269581	Prep Date: 8/29/2016	

Analyte	Concentration	Units	C	Qual	Method	MDL	MRL	Analytical		
								Dil	Date	Time
Arsenic	0.50	ug/L	U		6020A	0.50	1.0	1.00	8/31/2016	20:51
Chromium	2.0	ug/L	U		6020A	2.0	2.0	1.00	8/31/2016	20:51

Comments: _____

Dissolved Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Beazer East, Inc. **SDG No.:** J1606036
Contract: OM-0450-16 **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
ICV									
	Arsenic	50.5	50.0	101	90.0 - 110.0	6020A	8/31/2016	19:51	NoGas 160
	Chromium	51.1	50.0	102	90.0 - 110.0	6020A	8/31/2016	19:51	NoGas 160
CCV									
	Arsenic	50.0	50.0	100	90.0 - 110.0	6020A	8/31/2016	20:10	NoGas 160
	Chromium	51.0	50.0	102	90.0 - 110.0	6020A	8/31/2016	20:10	NoGas 160
CCV									
	Arsenic	50.3	50.0	101	90.0 - 110.0	6020A	8/31/2016	20:32	NoGas 160
	Chromium	51.5	50.0	103	90.0 - 110.0	6020A	8/31/2016	20:32	NoGas 160
CCV									
	Arsenic	49.8	50.0	100	90.0 - 110.0	6020A	8/31/2016	20:55	NoGas 160
	Chromium	50.8	50.0	102	90.0 - 110.0	6020A	8/31/2016	20:55	NoGas 160
CCV									
	Arsenic	50.1	50.0	100	90.0 - 110.0	6020A	8/31/2016	21:06	NoGas 160
	Chromium	50.7	50.0	101	90.0 - 110.0	6020A	8/31/2016	21:06	NoGas 160

Dissolved Metals**- 2b -****CRDL STANDARD FOR AA & ICP**Client: Beazer East, Inc.SDG No.: J1606036Contract: OM-0450-16 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
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MRL

Arsenic	1.11	1.00	111	50 - 150	6020A	8/31/2016	19:55	NoGas 16
Chromium	0.82	1.00	82	50 - 150	6020A	8/31/2016	19:55	NoGas 16

MRL

Arsenic	1.11	1.00	111	50 - 150	6020A	8/31/2016	21:10	NoGas 16
Chromium	0.80	1.00	80	50 - 150	6020A	8/31/2016	21:10	NoGas 16

Dissolved Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Beazer East, Inc.

SDG No.: J1606036

Contract: OM-0450-16

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
ICB										
	Arsenic	0.50	+/-1.00	U	0.50	1.00	6020A	8/31/2016	19:53	NoGas 160831
	Chromium	2.00	+/-2.00	U	2.00	2.00	6020A	8/31/2016	19:53	NoGas 160831
CCB										
	Arsenic	0.50	+/-1.00	U	0.50	1.00	6020A	8/31/2016	20:12	NoGas 160831
	Chromium	2.00	+/-2.00	U	2.00	2.00	6020A	8/31/2016	20:12	NoGas 160831
CCB										
	Arsenic	0.50	+/-1.00	U	0.50	1.00	6020A	8/31/2016	20:34	NoGas 160831
	Chromium	2.00	+/-2.00	U	2.00	2.00	6020A	8/31/2016	20:34	NoGas 160831
CCB										
	Arsenic	0.50	+/-1.00	U	0.50	1.00	6020A	8/31/2016	20:57	NoGas 160831
	Chromium	2.00	+/-2.00	U	2.00	2.00	6020A	8/31/2016	20:57	NoGas 160831
CCB										
	Arsenic	0.50	+/-1.00	U	0.50	1.00	6020A	8/31/2016	21:08	NoGas 160831
	Chromium	2.00	+/-2.00	U	2.00	2.00	6020A	8/31/2016	21:08	NoGas 160831

Dissolved Metals**- 3b -****PREPARATION BLANK SUMMARY**Client: Beazer East, Inc.SDG No.: J1606036Contract: OM-0450-16Lab Code: ALJCK

Case No.: _____

SAS No.: _____

Sample ID	Analyte	Result (ug/L)	Conc Qual	Q	Acceptance Limit	MDL	MRL	Method	Analysis Date	Analysis Time	Run
MB-06444-04											
					WATER						
	Arsenic	0.500	U		+/-0.500	0.500	1.000	6020A	8/31/2016	20:14	NoGas 160831b
	Chromium	2.000	U		+/-2.000	2.000	2.000	6020A	8/31/2016	20:14	NoGas 160831b

Dissolved Metals

- 4 -

INTERFERENCE CHECK SAMPLE

Client: Beazer East, Inc.	SDG No.: J1606036		
Contract: OM-0450-16	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									
	Arsenic	0.136			-2.000 to 2.000	6020A	8/31/2016	19:57	NoGas 160831
	Chromium	-0.033			-2.000 to 2.000	6020A	8/31/2016	19:57	NoGas 160831
ICSA									
	Arsenic	20.9	20.0	104	80 - 120%	6020A	8/31/2016	19:59	NoGas 160831
	Chromium	20.9	20.0	104	80 - 120%	6020A	8/31/2016	19:59	NoGas 160831
ICSA									
	Arsenic	0.111			-2.000 to 2.000	6020A	8/31/2016	21:02	NoGas 160831
	Chromium	-0.042			-2.000 to 2.000	6020A	8/31/2016	21:02	NoGas 160831
ICSA									
	Arsenic	20.9	20.0	104	80 - 120%	6020A	8/31/2016	21:04	NoGas 160831
	Chromium	20.8	20.0	104	80 - 120%	6020A	8/31/2016	21:04	NoGas 160831

Dissolved Metals

- 7 -

LABORATORY CONTROL SAMPLE SUMMARY

Client: Beazer East, Inc. SDG No.: J1606036

Contract: OM-0450-16 Lab Code: ALJCK Case No.: SAS No.: _____

Aqueous LCS Source: Inorganic Ventures Solid LCS Source: _____

Sample ID	Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	Method
LCS-06444-03								
	Arsenic	ug/L	50.0	50.4		101	75.0 - 125.0	6020A
	Chromium	ug/L	50.0	51.4		103	80.0 - 120.0	6020A

Dissolved Metals

- 10 -

METHOD DETECTION LIMITSClient: Beazer East, Inc.SDG No.: J1606036Contract: OM-0450-16Lab Code: ALJCK

Case No.: _____

SAS No.: _____

Analyte	Mass	MDL ug/L	MRL ug/L
ICP-MS			Date: 1/20/2012
Arsenic	75	0.50	1.00
Chromium	52	2.00	2.00

Dissolved Metals
- 13 -
SAMPLE PREPARATION SUMMARY

Client: Beazer East, Inc. **SDG No.:** J1606036

Contract: OM-0450-16 **Lab Code:** ALJCK **Method:** MS

Case No.: _____ **SAS No.:** _____

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number:	269581						
MB-06444-04	MB-06444-04	MB	WATER	8/29/16	50.0	50.0	
LCS-06444-03	LCS-06444-03	LCS	WATER	8/29/16	50.0	50.0	
J1606036-005	GAIN-HG-35S-082216	SAM	WATER	8/29/16	50.0	50.0	
J1606036-011	GAIN-HG-34S-082316	SAM	WATER	8/29/16	50.0	50.0	
J1606036-012	GAIN-HG-33S-082316	SAM	WATER	8/29/16	50.0	50.0	

Dissolved Metals

14

ANALYSIS RUN LOG

Client: Beazer East, Inc. Contract: OM-0450-16

Lab Code: ALJCK Case No.: SAS No.: SDG No.: J1606036

Instrument ID Number: ICP-MS Method: MS Run Number: NoGas 160831

Start Date: 7/5/2016 End Date: 8/31/2016

EPA Sample No.	D/F	Time	% R	Analytes																					
				A L	S B	A S	B A	B E	C D	C A	C R	C O	C U	F E	P B	M G	M N	H G	N I	K S	S E	A G	A L	T V	Z N
ZZZZZZ	1.00	2110																							
ZZZZZZ	1.00	2228																							
Cal Blank	1.00	1941			X																				
Cal Std 1	1.00	1943				X																			
Cal Std 2	1.00	1945				X																			
Cal Std 3	1.00	1948				X																			
Cal Std 4	1.00	1950				X																			
ICV	1.00	1951				X																			
ICB	1.00	1953				X																			
MRL	1.00	1955				X																			
ICSA	1.00	1957				X																			
ICSAB	1.00	1959				X																			
ZZZZZZ	5.00	2001																							
CCV	1.00	2010				X																			
CCB	1.00	2012				X																			
MB-06444-04	1.00	2014				X																			
LCS-06444-03	1.00	2016				X																			
ZZZZZZ	1.00	2018																							
ZZZZZZ	1.00	2020																							
ZZZZZZ	1.00	2021																							
ZZZZZZ	5.00	2023																							
ZZZZZZ	1.00	2025																							
ZZZZZZ	1.00	2027																							
ZZZZZZ	1.00	2029																							
ZZZZZZ	1.00	2031																							
CCV	1.00	2032					X																		
CCB	1.00	2034					X																		
ZZZZZZ	1.00	2036																							
ZZZZZZ	1.00	2038																							
ZZZZZZ	1.00	2040																							
ZZZZZZ	1.00	2042																							
ZZZZZZ	1.00	2044																							
ZZZZZZ	1.00	2045																							
GAIN-HG-35S-082216	1.00	2047					X																		
GAIN-HG-34S-082316	1.00	2049					X																		
GAIN-HG-33S-082316	1.00	2051					X																		

Dissolved Metals

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ANALYSIS RUN LOG

Client: Beazer East, Inc. Contract: OM-0450-16Lab Code: ALJCK Case No.: SAS No.: SDG No.: J1606036Instrument ID Number: ICP-MS Method: MS Run Number: NoGas 160831Start Date: 7/5/2016 End Date: 8/31/2016

EPA Sample No.	D/F	Time	% R	Analytes																							
				A L	S B	A S	B A	B E	C D	C A	C R	C O	C U	F E	P B	M G	M N	H G	N I	K S	S E	A G	A N	T A	V L	Z N	C N
ZZZZZZ	1.00	2053																									
CCV	1.00	2055				X						X															
CCB	1.00	2057				X				X																	
ZZZZZZ	1.00	2058																									
ZZZZZZ	1.00	2100																									
ICSA	1.00	2102				X						X															
ICSAB	1.00	2104				X				X																	
CCV	1.00	2106				X					X																
CCB	1.00	2108				X					X																
MRL	1.00	2110				X					X																