



ALS Environmental
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October 03, 2016

Analytical Report for Service Request No: J1605921

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 19, 2016. For your reference, these analyses have been assigned our service request number **J1605921**.

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 734 pages

ALS Environmental

Client: Beazer East, Inc. **Service Request No.:** J1605921
Project: Gainesville 2016 3Q-Annual GW Sampling **Date Received:** 8/19/2016
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

Eleven water samples were received for analysis at ALS Environmental on 8/19/2016. 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 criterion was exceeded for the following surrogates in the Continuing Calibration Verification (CCV): Nitrobenzene-d5. The surrogate in question was within acceptance criteria for the associated field samples. The data quality was not significantly affected and no further corrective action was taken.

Method 8270: The upper control criterion was exceeded for the following analytes in the Continuing Calibration Verification (CCV): Pentachlorophenol. The field samples analyzed in this sequence did not contain the analyte in question above the Method Reporting Limit (MRL). Since the apparent problem equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.

Metals Analyses:

No significant data anomalies were noted with this analysis.

Approved by _____



Date _____

10.03.2016.

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

Service Request: J1605921

SAMPLE CROSS-REFERENCE

<u>SAMPLE #</u>	<u>CLIENT SAMPLE ID</u>	<u>DATE</u>	<u>TIME</u>
J1605921-001	GAIN-TB-081816	8/18/16	07:59
J1605921-002	GAIN-FW-22B-01-081816	8/18/16	07:59
J1605921-003	GAIN-FW-22B-02-081816	8/18/16	09:06
J1605921-004	GAIN-FW-22B-03-081816	8/18/16	09:38
J1605921-005	GAIN-FW-22B-04-081816	8/18/16	10:18
J1605921-006	GAIN-EB-02-081816	8/18/16	11:00
J1605921-007	GAIN-FB-02-081816	8/18/16	11:05
J1605921-008	GAIN-FW-28B-01-081816	8/18/16	11:41
J1605921-009	GAIN-FW-28B-02-081816	8/18/16	12:22
J1605921-010	GAIN-FW-28B-03-081816	8/18/16	14:44
J1605921-011	GAIN-FW-28B-04-081816	8/18/16	15:32



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
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CHAIN OF CUSTODY RECORD/LABORATORY REQUEST FORM

REF.# 632



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

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

Client: Beazer East, Inc.
 Contact: (412) 23-0320
 tkennelly.2006@f-ts.com

Sample Date	Sample Time	Matrix	Sample Identification	Analysis	Preservative	HCL	None	SW-846 8270D SIM	Arsenic-AQ-DISS	Arsenic-AQ-TOTAL	Notes:	
08/18/2016	0759	GW	GAIN-TB-02-081816		1		1	0	0	0		
08/18/2016	0759	GW	GAIN-FW-22B-01-081816		5		3	1	1	0		
08/18/2016	0906	GW	GAIN-FW-22B-02-081816		5		3	1	1	0		
08/18/2016	0938	GW	GAIN-FW-22B-03-081816		5		3	1	1	0		
08/18/2016	1018	GW	GAIN-FW-22B-04-081816		5		3	1	1	0		
08/18/2016	1100	GW	GAIN-EB-02-081816		5		3	1	1	0		
08/18/2016	1105	GW	GAIN-FB-02-081816		5		3	1	1	0		
08/18/2016	1141	GW	GAIN-FW-28B-01-081816		7		3	1	1	1		
08/18/2016	1222	GW	GAIN-FW-28B-02-081816		7		3	1	1	1		
08/18/2016	1444	GW	GAIN-FW-28B-03-081816		7		3	1	1	1		
08/18/2016	1532	GW	GAIN-FW-28B-04-081816		7		3	1	1	1		

Relinquished by:	Received by:	Relinquished by:	Received by:	Turnaround Requirements	
Signature: 	Signature: 	Signature: 	Signature: 	1.5°	2.8°
Printed Name: Tim Kennelly	Printed Name: Michael J. Nichols	Printed Name: Tim Kennelly	Printed Name: Michael J. Nichols	3.2°	3.8°
Firm: FTS	Firm: FTS	Firm: FTS	Firm: FTS	Standard	X
Date/Time: 08/18/2016 1927	Date/Time: 8/19/16 8:15	Date/Time: 8/19/16 8:05	Date/Time: 8/19/16 1605		



Cooler Receipt Form

Client: BEAZER

Service Request #: J1605921

Project: Gainesville 2016 Annual

Cooler received on 8/19/16

and opened on 8/20/16 by JA

COURIER: UPS FEDEX Client Other

Airbill #

- 1 Were custody seals on outside of cooler? Yes No
If yes, how many and where? #: 5 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) 1.0 2.8 3.7 4.1 3.8
- 5 Thermometer ID ← T188 →
- 6 Temperature Blank Present? Yes No
- 7 Were Ice or Ice Packs present Ice Ice Packs No
- 8 Did all bottles arrive in good condition (unbroken, etc....)? Yes No N/A
- 9 Type of packing material present Netting Vial Holder Bubble Wrap
- Paper Styrofoam Other N/A
- 10 Were all bottle labels complete (sample ID, preservation, etc....)? Yes No N/A
- 11 Did all bottle labels and tags agree with custody papers? Yes No N/A
- 12 Were the correct bottles used for the tests indicated? Yes No N/A
- 13 Were all of the preserved bottles received with the appropriate preservative? Yes No N/A
- HNO₃ pH<2 H₂SO₄ pH<2 ZnAc₂/NaOH pH>9 NaOH pH>12 HCl pH<2
Preservative additions noted below
- 14 Were all samples received within analysis holding times? Yes No N/A
- 15 Were all VOA vials free of air bubbles? If present, note below Yes No N/A
- 16 Where did the bottles originate? ALS Client

Sample ID	Reagent	Lot #	ml added	Initials Date/Time

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

Client approval to run samples if discrepancies noted:

Date: 10



SR#:J110D09124

5

Jacksonville Laboratory
Condition Upon Receipt - Sample pH

Date: 8/20/10 Initials: JFA

Initials: QH

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

THE JOURNAL OF CLIMATE

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

CUR Preservation Checklist



Summary Package

**9143 Philips Highway, Suite 200
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Organics Analysis:
Volatile Organic Compounds by GC/MS

Summary Package

Sample and QC Results

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

Service Request: J1605921**Volatile Organic Compounds by GC/MS**

Sample Name	Lab Code	Date Collected	Date Received
GAIN-TB-081816	J1605921-001	08/18/2016	08/19/2016
GAIN-FW-22B-01-081816	J1605921-002	08/18/2016	08/19/2016
GAIN-FW-22B-02-081816	J1605921-003	08/18/2016	08/19/2016
GAIN-FW-22B-03-081816	J1605921-004	08/18/2016	08/19/2016
GAIN-FW-22B-04-081816	J1605921-005	08/18/2016	08/19/2016
GAIN-EB-02-081816	J1605921-006	08/18/2016	08/19/2016
GAIN-FB-02-081816	J1605921-007	08/18/2016	08/19/2016
GAIN-FW-28B-01-081816	J1605921-008	08/18/2016	08/19/2016
GAIN-FW-28B-02-081816	J1605921-009	08/18/2016	08/19/2016
GAIN-FW-28B-03-081816	J1605921-010	08/18/2016	08/19/2016
GAIN-FW-28B-04-081816	J1605921-011	08/18/2016	08/19/2016

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: Gainsville 2016 3Q-Annual GW Sampling/OM-0450-16
Sample Matrix: Water
Sample Name: GAIN-TB-081816
Lab Code: J1605921-001

Service Request: J1605921
Date Collected: 8/18/16 0759
Date Received: 8/19/16

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	8/22/16 13:53			510864
Ethylbenzene	ND U	1.0	1	NA	8/22/16 13:53			510864
m,p-Xylenes	ND U	2.0	1	NA	8/22/16 13:53			510864
o-Xylene	ND U	1.0	1	NA	8/22/16 13:53			510864
Toluene	ND U	1.0	1	NA	8/22/16 13:53			510864

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	99	70-130	8/22/16 13:53	
4-Bromofluorobenzene	104	70-130	8/22/16 13:53	
Dibromofluoromethane	95	70-130	8/22/16 13:53	
Toluene-d8	102	70-130	8/22/16 13:53	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: Beazer East, Inc.
Project: Gainsville 2016 3Q-Annual GW Sampling/OM-0450-16
Sample Matrix: Water
Sample Name: GAIN-FW-22B-01-081816
Lab Code: J1605921-002

Service Request: J1605921
Date Collected: 8/18/16 0759
Date Received: 8/19/16
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	8/22/16 15:05		510864	
Ethylbenzene	ND U	1.0	1	NA	8/22/16 15:05		510864	
m,p-Xylenes	ND U	2.0	1	NA	8/22/16 15:05		510864	
o-Xylene	ND U	1.0	1	NA	8/22/16 15:05		510864	
Toluene	ND U	1.0	1	NA	8/22/16 15:05		510864	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	111	70-130	8/22/16 15:05	
4-Bromofluorobenzene	108	70-130	8/22/16 15:05	
Dibromofluoromethane	99	70-130	8/22/16 15:05	
Toluene-d8	100	70-130	8/22/16 15:05	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: Beazer East, Inc.
Project: Gainsville 2016 3Q-Annual GW Sampling/OM-0450-16
Sample Matrix: Water
Sample Name: GAIN-FW-22B-02-081816
Lab Code: J1605921-003

Service Request: J1605921
Date Collected: 8/18/16 0906
Date Received: 8/19/16

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	8/22/16 15:28			510864
Ethylbenzene	ND	U	1.0	1	NA	8/22/16 15:28			510864
m,p-Xylenes	ND	U	2.0	1	NA	8/22/16 15:28			510864
o-Xylene	ND	U	1.0	1	NA	8/22/16 15:28			510864
Toluene	ND	U	1.0	1	NA	8/22/16 15:28			510864

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	109	70-130	8/22/16 15:28	
4-Bromofluorobenzene	105	70-130	8/22/16 15:28	
Dibromofluoromethane	96	70-130	8/22/16 15:28	
Toluene-d8	100	70-130	8/22/16 15:28	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: Beazer East, Inc.
Project: Gainsville 2016 3Q-Annual GW Sampling/OM-0450-16
Sample Matrix: Water
Sample Name: GAIN-FW-22B-03-081816
Lab Code: J1605921-004

Service Request: J1605921
Date Collected: 8/18/16 0938
Date Received: 8/19/16

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	8/22/16 15:51			510864
Ethylbenzene	ND	U	1.0	1	NA	8/22/16 15:51			510864
m,p-Xylenes	ND	U	2.0	1	NA	8/22/16 15:51			510864
o-Xylene	ND	U	1.0	1	NA	8/22/16 15:51			510864
Toluene	ND	U	1.0	1	NA	8/22/16 15:51			510864

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	118	70-130	8/22/16 15:51	
4-Bromofluorobenzene	107	70-130	8/22/16 15:51	
Dibromofluoromethane	102	70-130	8/22/16 15:51	
Toluene-d8	95	70-130	8/22/16 15:51	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: Beazer East, Inc.
Project: Gainsville 2016 3Q-Annual GW Sampling/OM-0450-16
Sample Matrix: Water
Sample Name: GAIN-FW-22B-04-081816
Lab Code: J1605921-005

Service Request: J1605921
Date Collected: 8/18/16 1018
Date Received: 8/19/16

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	8/22/16 16:15		510864	
Ethylbenzene	ND	U	1.0	1	NA	8/22/16 16:15		510864	
m,p-Xylenes	ND	U	2.0	1	NA	8/22/16 16:15		510864	
o-Xylene	ND	U	1.0	1	NA	8/22/16 16:15		510864	
Toluene	ND	U	1.0	1	NA	8/22/16 16:15		510864	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	114	70-130	8/22/16 16:15	
4-Bromofluorobenzene	103	70-130	8/22/16 16:15	
Dibromofluoromethane	102	70-130	8/22/16 16:15	
Toluene-d8	102	70-130	8/22/16 16:15	

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Analytical Report

Client: Beazer East, Inc.
Project: Gainsville 2016 3Q-Annual GW Sampling/OM-0450-16
Sample Matrix: Water
Sample Name: GAIN-EB-02-081816
Lab Code: J1605921-006

Service Request: J1605921
Date Collected: 8/18/16 1100
Date Received: 8/19/16

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	8/22/16 14:16			510864
Ethylbenzene	ND	U	1.0	1	NA	8/22/16 14:16			510864
m,p-Xylenes	ND	U	2.0	1	NA	8/22/16 14:16			510864
o-Xylene	ND	U	1.0	1	NA	8/22/16 14:16			510864
Toluene	ND	U	1.0	1	NA	8/22/16 14:16			510864

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	107	70-130	8/22/16 14:16	
4-Bromofluorobenzene	105	70-130	8/22/16 14:16	
Dibromofluoromethane	96	70-130	8/22/16 14:16	
Toluene-d8	102	70-130	8/22/16 14:16	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: Beazer East, Inc.
Project: Gainsville 2016 3Q-Annual GW Sampling/OM-0450-16
Sample Matrix: Water
Sample Name: GAIN-FB-02-081816
Lab Code: J1605921-007

Service Request: J1605921
Date Collected: 8/18/16 1105
Date Received: 8/19/16

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	8/22/16 14:40		510864	
Ethylbenzene	ND U	1.0	1	NA	8/22/16 14:40		510864	
m,p-Xylenes	ND U	2.0	1	NA	8/22/16 14:40		510864	
o-Xylene	ND U	1.0	1	NA	8/22/16 14:40		510864	
Toluene	ND U	1.0	1	NA	8/22/16 14:40		510864	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	106	70-130	8/22/16 14:40	
4-Bromofluorobenzene	108	70-130	8/22/16 14:40	
Dibromofluoromethane	100	70-130	8/22/16 14:40	
Toluene-d8	101	70-130	8/22/16 14:40	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: Beazer East, Inc.
Project: Gainsville 2016 3Q-Annual GW Sampling/OM-0450-16
Sample Matrix: Water
Sample Name: GAIN-FW-28B-01-081816
Lab Code: J1605921-008

Service Request: J1605921
Date Collected: 8/18/16 1141
Date Received: 8/19/16
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	8/22/16 16:39		510864	
Ethylbenzene	ND U	1.0	1	NA	8/22/16 16:39		510864	
m,p-Xylenes	ND U	2.0	1	NA	8/22/16 16:39		510864	
o-Xylene	ND U	1.0	1	NA	8/22/16 16:39		510864	
Toluene	ND U	1.0	1	NA	8/22/16 16:39		510864	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	111	70-130	8/22/16 16:39	
4-Bromofluorobenzene	107	70-130	8/22/16 16:39	
Dibromofluoromethane	96	70-130	8/22/16 16:39	
Toluene-d8	97	70-130	8/22/16 16:39	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: Beazer East, Inc.
Project: Gainsville 2016 3Q-Annual GW Sampling/OM-0450-16
Sample Matrix: Water
Sample Name: GAIN-FW-28B-02-081816
Lab Code: J1605921-009

Service Request: J1605921
Date Collected: 8/18/16 1222
Date Received: 8/19/16
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	8/22/16 17:02			510864
Ethylbenzene	ND	U	1.0	1	NA	8/22/16 17:02			510864
m,p-Xylenes	ND	U	2.0	1	NA	8/22/16 17:02			510864
o-Xylene	ND	U	1.0	1	NA	8/22/16 17:02			510864
Toluene	ND	U	1.0	1	NA	8/22/16 17:02			510864

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	119	70-130	8/22/16 17:02	
4-Bromofluorobenzene	108	70-130	8/22/16 17:02	
Dibromofluoromethane	105	70-130	8/22/16 17:02	
Toluene-d8	94	70-130	8/22/16 17:02	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: Beazer East, Inc.
Project: Gainsville 2016 3Q-Annual GW Sampling/OM-0450-16
Sample Matrix: Water
Sample Name: GAIN-FW-28B-03-081816
Lab Code: J1605921-010

Service Request: J1605921
Date Collected: 8/18/16 1444
Date Received: 8/19/16
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	8/22/16 17:26			510864
Ethylbenzene	ND	U	1.0	1	NA	8/22/16 17:26			510864
m,p-Xylenes	ND	U	2.0	1	NA	8/22/16 17:26			510864
o-Xylene	ND	U	1.0	1	NA	8/22/16 17:26			510864
Toluene	ND	U	1.0	1	NA	8/22/16 17:26			510864

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	120	70-130	8/22/16 17:26	
4-Bromofluorobenzene	110	70-130	8/22/16 17:26	
Dibromofluoromethane	98	70-130	8/22/16 17:26	
Toluene-d8	96	70-130	8/22/16 17:26	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: Beazer East, Inc.
Project: Gainsville 2016 3Q-Annual GW Sampling/OM-0450-16
Sample Matrix: Water
Sample Name: GAIN-FW-28B-04-081816
Lab Code: J1605921-011

Service Request: J1605921
Date Collected: 8/18/16 1532
Date Received: 8/19/16

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	8/22/16 17:49			510864
Ethylbenzene	ND	U	1.0	1	NA	8/22/16 17:49			510864
m,p-Xylenes	ND	U	2.0	1	NA	8/22/16 17:49			510864
o-Xylene	ND	U	1.0	1	NA	8/22/16 17:49			510864
Toluene	ND	U	1.0	1	NA	8/22/16 17:49			510864

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	124	70-130	8/22/16 17:49	
4-Bromofluorobenzene	106	70-130	8/22/16 17:49	
Dibromofluoromethane	104	70-130	8/22/16 17:49	
Toluene-d8	96	70-130	8/22/16 17:49	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: Beazer East, Inc.
Project: Gainsville 2016 3Q-Annual GW Sampling/OM-0450-16
Sample Matrix: Water
Sample Name: Method Blank
Lab Code: JQ1606325-07

Service Request: J1605921
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	8/22/16 12:43			510864
Ethylbenzene	ND	U	1.0	1	NA	8/22/16 12:43			510864
m,p-Xylenes	ND	U	2.0	1	NA	8/22/16 12:43			510864
o-Xylene	ND	U	1.0	1	NA	8/22/16 12:43			510864
Toluene	ND	U	1.0	1	NA	8/22/16 12:43			510864

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	97	70-130	8/22/16 12:43	
4-Bromofluorobenzene	101	70-130	8/22/16 12:43	
Dibromofluoromethane	96	70-130	8/22/16 12:43	
Toluene-d8	104	70-130	8/22/16 12:43	

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

Service Request: J1605921

Surrogate Recovery Summary
Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Units: Percent

Sample Name	Lab Code	Sur1	Sur2	Sur3	Sur4
GAIN-TB-081816	J1605921-001	99	104	95	102
GAIN-FW-22B-01-081816	J1605921-002	111	108	99	100
GAIN-FW-22B-02-081816	J1605921-003	109	105	96	100
GAIN-FW-22B-03-081816	J1605921-004	118	107	102	95
GAIN-FW-22B-04-081816	J1605921-005	114	103	102	102
GAIN-EB-02-081816	J1605921-006	107	105	96	102
GAIN-FB-02-081816	J1605921-007	106	108	100	101
GAIN-FW-28B-01-081816	J1605921-008	111	107	96	97
GAIN-FW-28B-02-081816	J1605921-009	119	108	105	94
GAIN-FW-28B-03-081816	J1605921-010	120	110	98	96
GAIN-FW-28B-04-081816	J1605921-011	124	106	104	96
Method Blank	JQ1606325-07	97	101	96	104
Lab Control Sample	JQ1606325-03	95	99	95	101
Duplicate Lab Control Sample	JQ1606325-04	93	101	98	100

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

Service Request: J1605921
Date Analyzed: 8/22/16 09:56

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

File ID: I:\MS52\DATA\MS52-160822\0822002.D\
Instrument ID: J-MS-52
Analytical Method: 8260B

Lab Code: JQ1606325-02
Analysis Lot: 510864
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 ==>	369,239	12.88	446,142	11.01	993,906	8.01
Upper Limit ==>	738,478	13.88	892,284	12.01	1,987,812	9.01
Lower Limit ==>	184,620	11.88	223,071	10.01	496,953	7.01

Associated Analyses

Continuing Calibration Verification	JQ1606325-02	442,636	12.88	514,368	11.02	1,157,499	8.01
Lab Control Sample	JQ1606325-03	452,545	12.88	532,864	11.01	1,223,954	7.99
Duplicate Lab Control Sample	JQ1606325-04	455,368	12.89	547,722	11.01	1,254,182	8.01
Method Blank	JQ1606325-07	402,143	12.89	483,079	11.01	1,147,936	7.98
GAIN-TB-081816	J1605921-001	352,645	12.88	438,957	11.00	1,048,120	7.98
GAIN-EB-02-081816	J1605921-006	340,000	12.88	432,781	11.02	976,634	8.01
GAIN-FB-02-081816	J1605921-007	312,922	12.89	408,150	11.01	919,304	8.01
GAIN-FW-22B-01-081816	J1605921-002	302,218	12.88	391,605	11.02	881,008	8.01
GAIN-FW-22B-02-081816	J1605921-003	299,794	12.88	379,540	11.01	854,283	8.01
GAIN-FW-22B-03-081816	J1605921-004	281,589	12.88	379,249	11.00	789,807	7.98
GAIN-FW-22B-04-081816	J1605921-005	283,618	12.88	357,227	11.01	786,199	8.01
GAIN-FW-28B-01-081816	J1605921-008	265,165	12.88	358,764	11.01	780,078	8.01
GAIN-FW-28B-02-081816	J1605921-009	255,843	12.88	348,669	11.00	745,823	7.97
GAIN-FW-28B-03-081816	J1605921-010	249,164	12.88	336,794	11.02	729,005	8.01
GAIN-FW-28B-04-081816	J1605921-011	258,433	12.88	329,254	11.02	707,808	8.01

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: J1605921
Date Analyzed: 8/22/16 21:28

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

File ID: I:\MS52\DATA\MS52-160822\0822031.D\
Instrument ID: J-MS-52
Analytical Method: 8260B

Lab Code: JQ1606325-08
Analysis Lot: 510864
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 ==>	369,239	12.88	446,142	11.01	993,906	8.01
Upper Limit ==>	738,478	13.88	892,284	12.01	1,987,812	9.01
Lower Limit ==>	184,620	11.88	223,071	10.01	496,953	7.01

Associated Analyses

Continuing Calibration Verification	JQ1606325-08	296,208	12.88	360,869	11.02	748,848	8.01
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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: Gainsville 2016 3Q-Annual GW Sampling/OM-0450-16
Sample Matrix: Water

Service Request: J1605921
Date Analyzed: 8/22/16

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Units: µg/L
Basis: NA

Analysis Lot: 510864

Analyte Name	Lab Control Sample JQ1606325-03			Duplicate Lab Control Sample JQ1606325-04					RPD	Limit
	Result	Spike Amount	% Rec	Result	Spike Amount	% Rec	% Rec Limits			
Benzene	47.9	50.0	96	46.7	50.0	93	70 - 130	3	30	
Ethylbenzene	50.7	50.0	101	49.0	50.0	98	70 - 130	4	30	
m,p-Xylenes	100	100	100	98.1	100	98	70 - 130	2	30	
o-Xylene	52.0	50.0	104	50.8	50.0	102	70 - 130	2	30	
Toluene	49.4	50.0	99	47.9	50.0	96	70 - 130	3	30	

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

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

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

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

Service Request: J1605921
Date Analyzed: 8/22/16 12:43

Method Blank Summary
Volatile Organic Compounds by GC/MS

Sample Name:	Method Blank	Instrument ID:	J-MS-52
Lab Code:	JQ1606325-07	File ID:	I:\MS52\DATA\MS52-160822\0822009.D\

Analytical Method: 8260B

This Method Blank applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed
Lab Control Sample	JQ1606325-03	I:\MS52\DATA\MS52-160822\0822003.D\	8/22/16 10:19
Duplicate Lab Control Sample	JQ1606325-04	I:\MS52\DATA\MS52-160822\0822004.D\	8/22/16 10:44
GAIN-TB-081816	J1605921-001	I:\MS52\DATA\MS52-160822\0822012.D\	8/22/16 13:53
GAIN-EB-02-081816	J1605921-006	I:\MS52\DATA\MS52-160822\0822013.D\	8/22/16 14:16
GAIN-FB-02-081816	J1605921-007	I:\MS52\DATA\MS52-160822\0822014.D\	8/22/16 14:40
GAIN-FW-22B-01-081816	J1605921-002	I:\MS52\DATA\MS52-160822\0822015.D\	8/22/16 15:05
GAIN-FW-22B-02-081816	J1605921-003	I:\MS52\DATA\MS52-160822\0822016.D\	8/22/16 15:28
GAIN-FW-22B-03-081816	J1605921-004	I:\MS52\DATA\MS52-160822\0822017.D\	8/22/16 15:51
GAIN-FW-22B-04-081816	J1605921-005	I:\MS52\DATA\MS52-160822\0822018.D\	8/22/16 16:15
GAIN-FW-28B-01-081816	J1605921-008	I:\MS52\DATA\MS52-160822\0822019.D\	8/22/16 16:39
GAIN-FW-28B-02-081816	J1605921-009	I:\MS52\DATA\MS52-160822\0822020.D\	8/22/16 17:02
GAIN-FW-28B-03-081816	J1605921-010	I:\MS52\DATA\MS52-160822\0822021.D\	8/22/16 17:26
GAIN-FW-28B-04-081816	J1605921-011	I:\MS52\DATA\MS52-160822\0822022.D\	8/22/16 17:49

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

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

Service Request: J1605921
Date Analyzed: 8/22/16 10:19

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Sample Name: Lab Control Sample**Lab Code:** JQ1606325-03**Analytical Method:** 8260B**Instrument ID:** J-MS-52**File ID:** I:\MS52\DATA\MS52-160822\0822003.D\

This Lab Control Sample applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed
Duplicate Lab Control Sample	JQ1606325-04	I:\MS52\DATA\MS52-160822\0822004.D\	8/22/16 10:44
Method Blank	JQ1606325-07	I:\MS52\DATA\MS52-160822\0822009.D\	8/22/16 12:43
GAIN-TB-081816	J1605921-001	I:\MS52\DATA\MS52-160822\0822012.D\	8/22/16 13:53
GAIN-EB-02-081816	J1605921-006	I:\MS52\DATA\MS52-160822\0822013.D\	8/22/16 14:16
GAIN-FB-02-081816	J1605921-007	I:\MS52\DATA\MS52-160822\0822014.D\	8/22/16 14:40
GAIN-FW-22B-01-081816	J1605921-002	I:\MS52\DATA\MS52-160822\0822015.D\	8/22/16 15:05
GAIN-FW-22B-02-081816	J1605921-003	I:\MS52\DATA\MS52-160822\0822016.D\	8/22/16 15:28
GAIN-FW-22B-03-081816	J1605921-004	I:\MS52\DATA\MS52-160822\0822017.D\	8/22/16 15:51
GAIN-FW-22B-04-081816	J1605921-005	I:\MS52\DATA\MS52-160822\0822018.D\	8/22/16 16:15
GAIN-FW-28B-01-081816	J1605921-008	I:\MS52\DATA\MS52-160822\0822019.D\	8/22/16 16:39
GAIN-FW-28B-02-081816	J1605921-009	I:\MS52\DATA\MS52-160822\0822020.D\	8/22/16 17:02
GAIN-FW-28B-03-081816	J1605921-010	I:\MS52\DATA\MS52-160822\0822021.D\	8/22/16 17:26
GAIN-FW-28B-04-081816	J1605921-011	I:\MS52\DATA\MS52-160822\0822022.D\	8/22/16 17:49

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: J1605921
Date Analyzed: 8/22/16 09:30

Tune Summary
Volatile Organic Compounds by GC/MS

File ID: I:\MS52\DATA\MS52-160822\0822001.D\
Instrument ID: J-MS-52

Analytical Method: 8260B
Analysis Lot: 510864

Target Mass	Relative to Mass	Lower Limit%	Upper Limit%	Relative Abundance %	Raw Abundance	Result Pass/Fail
50	95	15	40	21.44	50667	Pass
75	95	30	60	50.94	120403	Pass
95	95	100	100	100.00	236352	Pass
96	95	5	9	6.00	14189	Pass
173	174	0.00	2	0.77	1403	Pass
174	95	50	100	76.88	181707	Pass
175	174	5	9	7.10	12908	Pass
176	174	95	101	95.90	174264	Pass
177	176	5	9	6.91	12046	Pass

Sample Name	Lab Code	File ID	Date Analyzed	Q
Continuing Calibration Verification	JQ1606325-02	I:\MS52\DATA\MS52-160822\0822002.D\	8/22/16 09:56	
Lab Control Sample	JQ1606325-03	I:\MS52\DATA\MS52-160822\0822003.D\	8/22/16 10:19	
Duplicate Lab Control Sample	JQ1606325-04	I:\MS52\DATA\MS52-160822\0822004.D\	8/22/16 10:44	
Method Blank	JQ1606325-07	I:\MS52\DATA\MS52-160822\0822009.D\	8/22/16 12:43	
GAIN-TB-081816	J1605921-001	I:\MS52\DATA\MS52-160822\0822012.D\	8/22/16 13:53	
GAIN-EB-02-081816	J1605921-006	I:\MS52\DATA\MS52-160822\0822013.D\	8/22/16 14:16	
GAIN-FB-02-081816	J1605921-007	I:\MS52\DATA\MS52-160822\0822014.D\	8/22/16 14:40	
GAIN-FW-22B-01-081816	J1605921-002	I:\MS52\DATA\MS52-160822\0822015.D\	8/22/16 15:05	
GAIN-FW-22B-02-081816	J1605921-003	I:\MS52\DATA\MS52-160822\0822016.D\	8/22/16 15:28	
GAIN-FW-22B-03-081816	J1605921-004	I:\MS52\DATA\MS52-160822\0822017.D\	8/22/16 15:51	
GAIN-FW-22B-04-081816	J1605921-005	I:\MS52\DATA\MS52-160822\0822018.D\	8/22/16 16:15	
GAIN-FW-28B-01-081816	J1605921-008	I:\MS52\DATA\MS52-160822\0822019.D\	8/22/16 16:39	
GAIN-FW-28B-02-081816	J1605921-009	I:\MS52\DATA\MS52-160822\0822020.D\	8/22/16 17:02	
GAIN-FW-28B-03-081816	J1605921-010	I:\MS52\DATA\MS52-160822\0822021.D\	8/22/16 17:26	
GAIN-FW-28B-04-081816	J1605921-011	I:\MS52\DATA\MS52-160822\0822022.D\	8/22/16 17:49	
Continuing Calibration Verification	JQ1606325-08	I:\MS52\DATA\MS52-160822\0822031.D\	8/22/16 21:28	

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

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

Service Request: J1605921
Calibration Date: 8/19/16

Initial Calibration Summary
Volatile Organic Compounds by GC/MS

Calibration ID: JC1600060
Instrument ID: J-MS-52

Signal ID: 1

#	File Location	Acquisition Date	#	File Location	Acquisition Date
01	I:\MS52\DATA\MS52-160819\0819003.D	8/19/16 11:02	02	I:\MS52\DATA\MS52-160819\0819004.D	8/19/16 11:25
03	I:\MS52\DATA\MS52-160819\0819005.D	8/19/16 11:48	04	I:\MS52\DATA\MS52-160819\0819006.D	8/19/16 12:12
05	I:\MS52\DATA\MS52-160819\0819007.D	8/19/16 12:35	06	I:\MS52\DATA\MS52-160819\0819009.D	8/19/16 13:22
07	I:\MS52\DATA\MS52-160819\0819012.D	8/19/16 14:32	08	I:\MS52\DATA\MS52-160819\0819015.D	8/19/16 15:44

Analyte

Benzene

#	Amount	RF									
01	1.0000	1.098	02	5.0000	1.018	03	10.000	1.327	04	20.000	1.154
05	50.000	1.256	06	100.00	1.206	07	200.00	1.191	08	500.00	1.168

Ethylbenzene

#	Amount	RF									
01	1.0000	0.7928	02	5.0000	0.7877	03	10.000	0.9944	04	20.000	0.9028
05	50.000	0.9889	06	100.00	0.9521	07	200.00	0.9590	08	500.00	1.032

m,p-Xylenes

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	2.0000	0.9671	02	10.000	0.9662	03	20.000	1.213	04	40.000	1.127
05	100.00	1.234	06	200.00	1.202	07	400.00	1.251	08	1000.0	1.237

o-Xylene

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.0000	0.8876	02	5.0000	0.8676	03	10.000	1.123	04	20.000	1.071
05	50.000	1.182	06	100.00	1.209	07	200.00	1.195	08	500.00	1.292

Toluene

#	Amount	RF									
01	1.0000	1.519	02	5.0000	1.375	03	10.000	1.716	04	20.000	1.526
05	50.000	1.650	06	100.00	1.612	07	200.00	1.629	08	500.00	1.691

1,2-Dichloroethane-d4

#	Amount	RF									
08	50	0.3161	05	50	0.3520	02	50	0.3665	01	50	0.3649
06	50	0.3583	04	50	0.3591	07	50	0.3414	03	50	0.3677

4-Bromofluorobenzene

#	Amount	RF									
07	50	0.8938	02	50	0.9886	05	50	0.9664	04	50	0.9736
06	50	0.8971	08	50	0.8516	01	50	0.9548	03	50	1.006

Dibromofluoromethane

#	Amount	RF									
06	50	0.2657	07	50	0.2689	01	50	0.2635	05	50	0.2672
03	50	0.2653	02	50	0.2680	08	50	0.2518	04	50	0.2620

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

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

Service Request: J1605921
Calibration Date: 8/19/16

Initial Calibration Summary
Volatile Organic Compounds by GC/MS

Calibration ID: JC1600060
Instrument ID: J-MS-52

Signal ID: 1

Analyte

Toluene-d8

#	Amount	RF									
03	50	2.178	05	50	2.265	06	50	2.244	07	50	2.182
04	50	2.249	02	50	2.210	08	50	2.279	01	50	2.222

Analyte Name	Compound Type	Calibration Evaluation				RRF Evaluation			
		Fit Type	Eval.	Result	Q	Control Criteria	Average RRF	Q	Minimum RRF
Benzene	TRG	Average RF	% RSD	8.0		≤ 15	1.177		0.01
Ethylbenzene	TRG	Average RF	% RSD	9.9		≤ 15	0.9262		0.01
m,p-Xylenes	TRG	Average RF	% RSD	10.4		≤ 15	1.150		0.01
o-Xylene	TRG	Average RF	% RSD	13.9		≤ 15	1.103		0.01
Toluene	TRG	Average RF	% RSD	7.0		≤ 15	1.590		0.01
1,2-Dichloroethane-d4	SURR	Average RF	% RSD	4.9		≤ 15	0.3532		0.01
4-Bromofluorobenzene	SURR	Average RF	% RSD	5.7		≤ 15	0.9415		0.01
Dibromofluoromethane	SURR	Average RF	% RSD	2.1		≤ 15	0.2640		0.01
Toluene-d8	SURR	Average RF	% RSD	1.7		≤ 15	2.229		0.01

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

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

Service Request: J1605921
Calibration Date: 8/19/16

Initial Calibration Verification Summary
Volatile Organic Compounds by GC/MS

Calibration ID: JC1600060
Instrument ID: J-MS-52

Signal ID: 1

#	File Location	Acquisition Date
09	I:\MS52\DATA\MS52-160819\0819021.D	8/19/16 19:29

Analyte Name	Expected	Result	Average RF	SSV RF	%D	Criteria	Curve Fit
Benzene	100	104	1.177	1.219	3.55	±20	Average RF
Ethylbenzene	100	109	0.9262	1.010	9.03	±20	Average RF
m,p-Xylenes	200	220	1.150	1.267	10.17	±20	Average RF
o-Xylene	100	114	1.103	1.260	14.21	±20	Average RF
Toluene	100	109	1.590	1.740	9.41	±20	Average RF
1,2-Dichloroethane-d4	50.0	45.7	0.3532	0.3226	-8.67	±20	Average RF
4-Bromofluorobenzene	50.0	48.9	0.9415	0.9206	-2.22	±20	Average RF
Dibromofluoromethane	50.0	48.2	0.2640	0.2547	-3.53	±20	Average RF
Toluene-d8	50.0	51.7	2.229	2.305	3.44	±20	Average RF

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

Service Request: J1605921
Date Analyzed: 8/22/16

Continuing Calibration Verification Summary
Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Calibration Date: 8/19/16
Calibration ID: JC1600060
Analysis Lot: 510864
Units: µg/L

File ID: I:\MS52\DATA\MS52-160822\0822002.D\

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Benzene	50.0	54.3	1.177	1.279	8.6	NA	± 20 %	Average RF
Ethylbenzene	50.0	56.1	0.9262	1.039	12.2	NA	± 20 %	Average RF
m,p-Xylenes	100	111	1.150	1.276	10.9	NA	± 20 %	Average RF
o-Xylene	50.0	57.5	1.103	1.269	15.0	NA	± 20 %	Average RF
Toluene	50.0	54.0	1.590	1.717	8.0	NA	± 20 %	Average RF
1,2-Dichloroethane-d4	50.0	49.2	0.3532	0.3477	-1.6	NA	± 30 %	Average RF
4-Bromofluorobenzene	50.0	49.3	0.9415	0.9284	-1.4	NA	± 30 %	Average RF
Dibromofluoromethane	50.0	48.4	0.2640	0.2555	-3.2	NA	± 30 %	Average RF
Toluene-d8	50.0	50.0	2.229	2.229	0.0	NA	± 30 %	Average RF

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

Service Request: J1605921
Date Analyzed: 8/22/16

Continuing Calibration Verification Summary
Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Calibration Date: 8/19/16
Calibration ID: JC1600060
Analysis Lot: 510864
Units: µg/L

File ID: I:\MS52\DATA\MS52-160822\0822031.D\

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Benzene	50.0	48.7	1.177	1.146	-2.6	NA	± 20 %	Average RF
Ethylbenzene	50.0	45.1	0.9262	0.8357	-9.8	NA	± 20 %	Average RF
m,p-Xylenes	100	89.9	1.150	1.034	-10.1	NA	± 20 %	Average RF
o-Xylene	50.0	46.5	1.103	1.025	-7.1	NA	± 20 %	Average RF
Toluene	50.0	44.4	1.590	1.412	-11.2	NA	± 20 %	Average RF
1,2-Dichloroethane-d4	50.0	60.7	0.3532	0.4287	21.3	NA	± 30 %	Average RF
4-Bromofluorobenzene	50.0	54.2	0.9415	1.021	8.4	NA	± 30 %	Average RF
Dibromofluoromethane	50.0	52.7	0.2640	0.2783	5.4	NA	± 30 %	Average RF
Toluene-d8	50.0	47.7	2.229	2.125	-4.7	NA	± 30 %	Average RF

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QA/QC Report

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

Service Request: J1605921

Analysis Run Log
Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analysis Lot: 510864
Instrument ID: J-MS-52

Raw Data File	Sample Name	Lab Code	Date Analyzed	Time Analyzed	Q
0822001.D\	Tune (Ion Ratios)	JQ1606325-01	8/22/16	09:30	
0822002.D\	Continuing Calibration Verification	JQ1606325-02	8/22/16	09:56	
0822003.D\	Lab Control Sample	JQ1606325-03	8/22/16	10:19	
0822004.D\	Duplicate Lab Control Sample	JQ1606325-04	8/22/16	10:44	
0822009.D\	Method Blank	JQ1606325-07	8/22/16	12:43	
0822010.D\	ZZZZZZZ	ZZZZZZZ	8/22/16	13:06	
0822011.D\	ZZZZZZZ	ZZZZZZZ	8/22/16	13:29	
0822012.D\	GAIN-TB-081816	J1605921-001	8/22/16	13:53	
0822013.D\	GAIN-EB-02-081816	J1605921-006	8/22/16	14:16	
0822014.D\	GAIN-FB-02-081816	J1605921-007	8/22/16	14:40	
0822015.D\	GAIN-FW-22B-01-081816	J1605921-002	8/22/16	15:05	
0822016.D\	GAIN-FW-22B-02-081816	J1605921-003	8/22/16	15:28	
0822017.D\	GAIN-FW-22B-03-081816	J1605921-004	8/22/16	15:51	
0822018.D\	GAIN-FW-22B-04-081816	J1605921-005	8/22/16	16:15	
0822019.D\	GAIN-FW-28B-01-081816	J1605921-008	8/22/16	16:39	
0822020.D\	GAIN-FW-28B-02-081816	J1605921-009	8/22/16	17:02	
0822021.D\	GAIN-FW-28B-03-081816	J1605921-010	8/22/16	17:26	
0822022.D\	GAIN-FW-28B-04-081816	J1605921-011	8/22/16	17:49	
0822023.D\	ZZZZZZZ	ZZZZZZZ	8/22/16	18:13	
0822024.D\	ZZZZZZZ	ZZZZZZZ	8/22/16	18:36	
0822025.D\	ZZZZZZZ	ZZZZZZZ	8/22/16	19:00	
0822026.D\	ZZZZZZZ	ZZZZZZZ	8/22/16	19:23	
0822027.D\	ZZZZZZZ	ZZZZZZZ	8/22/16	19:47	
0822031.D\	Continuing Calibration Verification	JQ1606325-08	8/22/16	21:28	

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

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Prep Summary Report

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

Service Request: J1605921**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-TB-081816	J1605921-001	8/18/16	8/19/16	5 mL	5 mL	
GAIN-FW-22B-01-081816	J1605921-002	8/18/16	8/19/16	5 mL	5 mL	
GAIN-FW-22B-02-081816	J1605921-003	8/18/16	8/19/16	5 mL	5 mL	
GAIN-FW-22B-03-081816	J1605921-004	8/18/16	8/19/16	5 mL	5 mL	
GAIN-FW-22B-04-081816	J1605921-005	8/18/16	8/19/16	5 mL	5 mL	
GAIN-EB-02-081816	J1605921-006	8/18/16	8/19/16	5 mL	5 mL	
GAIN-FB-02-081816	J1605921-007	8/18/16	8/19/16	5 mL	5 mL	
GAIN-FW-28B-01-081816	J1605921-008	8/18/16	8/19/16	5 mL	5 mL	
GAIN-FW-28B-02-081816	J1605921-009	8/18/16	8/19/16	5 mL	5 mL	
GAIN-FW-28B-03-081816	J1605921-010	8/18/16	8/19/16	5 mL	5 mL	
GAIN-FW-28B-04-081816	J1605921-011	8/18/16	8/19/16	5 mL	5 mL	
Method Blank	JQ1606325-07			5 mL	5 mL	
Lab Control Sample	JQ1606325-03			5 mL	5 mL	
Duplicate Lab Control Sample	JQ1606325-04			5 mL	5 mL	

Organics Analysis: Semivolatile Organic Compounds by GC/MS

Summary Package

Sample and QC Results

Client: Beazer East, Inc. **Service Request:** J1605921
Project: Gainsville 2016 3Q-Annual GW Sampling/OM-0450-16

Semivolatile Organic Compounds by GC/MS

Sample Name	Lab Code	Date Collected	Date Received
GAIN-FW-22B-01-081816	J1605921-002	08/18/2016	08/19/2016
GAIN-FW-22B-02-081816	J1605921-003	08/18/2016	08/19/2016
GAIN-FW-22B-03-081816	J1605921-004	08/18/2016	08/19/2016
GAIN-FW-22B-04-081816	J1605921-005	08/18/2016	08/19/2016
GAIN-EB-02-081816	J1605921-006	08/18/2016	08/19/2016
GAIN-FB-02-081816	J1605921-007	08/18/2016	08/19/2016
GAIN-FW-28B-01-081816	J1605921-008	08/18/2016	08/19/2016
GAIN-FW-28B-02-081816	J1605921-009	08/18/2016	08/19/2016
GAIN-FW-28B-03-081816	J1605921-010	08/18/2016	08/19/2016
GAIN-FW-28B-04-081816	J1605921-011	08/18/2016	08/19/2016

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.	Service Request:	J1605921
Project:	Gainsville 2016 3Q-Annual GW Sampling/OM-0450-16	Date Collected:	8/18/16 0759
Sample Matrix:	Water	Date Received:	8/19/16
Sample Name:	GAIN-FW-22B-01-081816	Units:	µg/L
Lab Code:	J1605921-002	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	8/22/16	8/22/16 17:39	269105	511023	
2-Methylnaphthalene	ND	U	5.00	5.00	1	8/22/16	8/22/16 17:39	269105	511023	
2-Methylphenol	ND	U	5.00	5.00	1	8/22/16	8/22/16 17:39	269105	511023	
3- and 4-Methylphenol Coelution	ND	U	5.00	5.00	1	8/22/16	8/22/16 17:39	269105	511023	
Acenaphthene	ND	U	5.00	5.00	1	8/22/16	8/22/16 17:39	269105	511023	
Acenaphthylene	ND	U	5.00	5.00	1	8/22/16	8/22/16 17:39	269105	511023	
Anthracene	ND	U	5.00	5.00	1	8/22/16	8/22/16 17:39	269105	511023	
Benz(a)anthracene	ND	U	5.00	5.00	1	8/22/16	8/22/16 17:39	269105	511023	
Benzo(a)pyrene	ND	U	5.00	5.00	1	8/22/16	8/22/16 17:39	269105	511023	
Benzo(b)fluoranthene	ND	U	5.00	5.00	1	8/22/16	8/22/16 17:39	269105	511023	
Benzo(g,h,i)perylene	ND	U	5.00	5.00	1	8/22/16	8/22/16 17:39	269105	511023	
Benzo(k)fluoranthene	ND	U	5.00	5.00	1	8/22/16	8/22/16 17:39	269105	511023	
Carbazole	ND	U	5.00	1.80	1	8/22/16	8/22/16 17:39	269105	511023	
Chrysene	ND	U	5.00	5.00	1	8/22/16	8/22/16 17:39	269105	511023	
Dibenz(a,h)anthracene	ND	U	5.00	5.00	1	8/22/16	8/22/16 17:39	269105	511023	
Dibenzofuran	ND	U	5.00	5.00	1	8/22/16	8/22/16 17:39	269105	511023	
Fluoranthene	ND	U	5.00	5.00	1	8/22/16	8/22/16 17:39	269105	511023	
Fluorene	ND	U	5.00	5.00	1	8/22/16	8/22/16 17:39	269105	511023	
Indeno(1,2,3-cd)pyrene	ND	U	5.00	5.00	1	8/22/16	8/22/16 17:39	269105	511023	
Naphthalene	ND	U	5.00	5.00	1	8/22/16	8/22/16 17:39	269105	511023	
Pentachlorophenol (PCP)	ND	U	20.0	1.10	1	8/22/16	8/22/16 17:39	269105	511023	
Phenanthrene	ND	U	5.00	5.00	1	8/22/16	8/22/16 17:39	269105	511023	
Phenol	ND	U	5.00	5.00	1	8/22/16	8/22/16 17:39	269105	511023	
Pyrene	ND	U	5.00	5.00	1	8/22/16	8/22/16 17:39	269105	511023	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	67	30-150	8/22/16 17:39	
Phenol-d6	34	20-130	8/22/16 17:39	
Nitrobenzene-d5	66	30-150	8/22/16 17:39	
2-Fluorophenol	42	20-130	8/22/16 17:39	
2-Fluorobiphenyl	65	30-150	8/22/16 17:39	
p-Terphenyl-d14	80	30-150	8/22/16 17:39	

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Analytical Report

Client:	Beazer East, Inc.	Service Request:	J1605921
Project:	Gainesville 2016 3Q-Annual GW Sampling/OM-0450-16	Date Collected:	8/18/16 0906
Sample Matrix:	Water	Date Received:	8/19/16
Sample Name:	GAIN-FW-22B-02-081816	Units:	µg/L
Lab Code:	J1605921-003	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	5.00	5.00	1	8/22/16	8/22/16 18:07	269105	511023	
2-Methylnaphthalene	ND	U	5.00	5.00	1	8/22/16	8/22/16 18:07	269105	511023	
2-Methylphenol	ND	U	5.00	5.00	1	8/22/16	8/22/16 18:07	269105	511023	
3- and 4-Methylphenol Coelution	ND	U	5.00	5.00	1	8/22/16	8/22/16 18:07	269105	511023	
Acenaphthene	5.08		5.00	5.00	1	8/22/16	8/22/16 18:07	269105	511023	
Acenaphthylene	ND	U	5.00	5.00	1	8/22/16	8/22/16 18:07	269105	511023	
Anthracene	ND	U	5.00	5.00	1	8/22/16	8/22/16 18:07	269105	511023	
Benz(a)anthracene	ND	U	5.00	5.00	1	8/22/16	8/22/16 18:07	269105	511023	
Benzo(a)pyrene	ND	U	5.00	5.00	1	8/22/16	8/22/16 18:07	269105	511023	
Benzo(b)fluoranthene	ND	U	5.00	5.00	1	8/22/16	8/22/16 18:07	269105	511023	
Benzo(g,h,i)perylene	ND	U	5.00	5.00	1	8/22/16	8/22/16 18:07	269105	511023	
Benzo(k)fluoranthene	ND	U	5.00	5.00	1	8/22/16	8/22/16 18:07	269105	511023	
Carbazole	ND	U	5.00	1.80	1	8/22/16	8/22/16 18:07	269105	511023	
Chrysene	ND	U	5.00	5.00	1	8/22/16	8/22/16 18:07	269105	511023	
Dibenz(a,h)anthracene	ND	U	5.00	5.00	1	8/22/16	8/22/16 18:07	269105	511023	
Dibenzofuran	ND	U	5.00	5.00	1	8/22/16	8/22/16 18:07	269105	511023	
Fluoranthene	ND	U	5.00	5.00	1	8/22/16	8/22/16 18:07	269105	511023	
Fluorene	ND	U	5.00	5.00	1	8/22/16	8/22/16 18:07	269105	511023	
Indeno(1,2,3-cd)pyrene	ND	U	5.00	5.00	1	8/22/16	8/22/16 18:07	269105	511023	
Naphthalene	ND	U	5.00	5.00	1	8/22/16	8/22/16 18:07	269105	511023	
Pentachlorophenol (PCP)	ND	U	20.0	1.10	1	8/22/16	8/22/16 18:07	269105	511023	
Phenanthrone	ND	U	5.00	5.00	1	8/22/16	8/22/16 18:07	269105	511023	
Phenol	ND	U	5.00	5.00	1	8/22/16	8/22/16 18:07	269105	511023	
Pyrene	ND	U	5.00	5.00	1	8/22/16	8/22/16 18:07	269105	511023	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	75	30-150	8/22/16 18:07	
Phenol-d6	40	20-130	8/22/16 18:07	
Nitrobenzene-d5	71	30-150	8/22/16 18:07	
2-Fluorophenol	50	20-130	8/22/16 18:07	
2-Fluorobiphenyl	66	30-150	8/22/16 18:07	
p-Terphenyl-d14	100	30-150	8/22/16 18:07	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: Beazer East, Inc.
Project: Gainsville 2016 3Q-Annual GW Sampling/OM-0450-16
Sample Matrix: Water
Sample Name: GAIN-FW-22B-03-081816
Lab Code: J1605921-004

Service Request: J1605921
Date Collected: 8/18/16 0938
Date Received: 8/19/16

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	5.00	5.00	1	8/22/16	8/22/16 18:35	269105	511023	
2-Methylnaphthalene	ND	U	5.00	5.00	1	8/22/16	8/22/16 18:35	269105	511023	
2-Methylphenol	ND	U	5.00	5.00	1	8/22/16	8/22/16 18:35	269105	511023	
3- and 4-Methylphenol Coelution	ND	U	5.00	5.00	1	8/22/16	8/22/16 18:35	269105	511023	
Acenaphthene	ND	U	5.00	5.00	1	8/22/16	8/22/16 18:35	269105	511023	
Acenaphthylene	ND	U	5.00	5.00	1	8/22/16	8/22/16 18:35	269105	511023	
Anthracene	ND	U	5.00	5.00	1	8/22/16	8/22/16 18:35	269105	511023	
Benz(a)anthracene	ND	U	5.00	5.00	1	8/22/16	8/22/16 18:35	269105	511023	
Benzo(a)pyrene	ND	U	5.00	5.00	1	8/22/16	8/22/16 18:35	269105	511023	
Benzo(b)fluoranthene	ND	U	5.00	5.00	1	8/22/16	8/22/16 18:35	269105	511023	
Benzo(g,h,i)perylene	ND	U	5.00	5.00	1	8/22/16	8/22/16 18:35	269105	511023	
Benzo(k)fluoranthene	ND	U	5.00	5.00	1	8/22/16	8/22/16 18:35	269105	511023	
Carbazole	ND	U	5.00	1.80	1	8/22/16	8/22/16 18:35	269105	511023	
Chrysene	ND	U	5.00	5.00	1	8/22/16	8/22/16 18:35	269105	511023	
Dibenz(a,h)anthracene	ND	U	5.00	5.00	1	8/22/16	8/22/16 18:35	269105	511023	
Dibenzofuran	ND	U	5.00	5.00	1	8/22/16	8/22/16 18:35	269105	511023	
Fluoranthene	ND	U	5.00	5.00	1	8/22/16	8/22/16 18:35	269105	511023	
Fluorene	ND	U	5.00	5.00	1	8/22/16	8/22/16 18:35	269105	511023	
Indeno(1,2,3-cd)pyrene	ND	U	5.00	5.00	1	8/22/16	8/22/16 18:35	269105	511023	
Naphthalene	ND	U	5.00	5.00	1	8/22/16	8/22/16 18:35	269105	511023	
Pentachlorophenol (PCP)	ND	U	20.0	1.10	1	8/22/16	8/22/16 18:35	269105	511023	
Phenanthrene	ND	U	5.00	5.00	1	8/22/16	8/22/16 18:35	269105	511023	
Phenol	ND	U	5.00	5.00	1	8/22/16	8/22/16 18:35	269105	511023	
Pyrene	ND	U	5.00	5.00	1	8/22/16	8/22/16 18:35	269105	511023	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	64	30-150	8/22/16 18:35	
Phenol-d6	32	20-130	8/22/16 18:35	
Nitrobenzene-d5	59	30-150	8/22/16 18:35	
2-Fluorophenol	40	20-130	8/22/16 18:35	
2-Fluorobiphenyl	55	30-150	8/22/16 18:35	
p-Terphenyl-d14	83	30-150	8/22/16 18:35	

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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-FW-22B-04-081816
Lab Code: J1605921-005

Service Request: J1605921
Date Collected: 8/18/16 1018
Date Received: 8/19/16

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	8/22/16	8/22/16 19:03	269105	511023	
2-Methylnaphthalene	ND	U	5.00	5.00	1	8/22/16	8/22/16 19:03	269105	511023	
2-Methylphenol	ND	U	5.00	5.00	1	8/22/16	8/22/16 19:03	269105	511023	
3- and 4-Methylphenol Coelution	ND	U	5.00	5.00	1	8/22/16	8/22/16 19:03	269105	511023	
Acenaphthene	ND	U	5.00	5.00	1	8/22/16	8/22/16 19:03	269105	511023	
Acenaphthylene	ND	U	5.00	5.00	1	8/22/16	8/22/16 19:03	269105	511023	
Anthracene	ND	U	5.00	5.00	1	8/22/16	8/22/16 19:03	269105	511023	
Benz(a)anthracene	ND	U	5.00	5.00	1	8/22/16	8/22/16 19:03	269105	511023	
Benzo(a)pyrene	ND	U	5.00	5.00	1	8/22/16	8/22/16 19:03	269105	511023	
Benzo(b)fluoranthene	ND	U	5.00	5.00	1	8/22/16	8/22/16 19:03	269105	511023	
Benzo(g,h,i)perylene	ND	U	5.00	5.00	1	8/22/16	8/22/16 19:03	269105	511023	
Benzo(k)fluoranthene	ND	U	5.00	5.00	1	8/22/16	8/22/16 19:03	269105	511023	
Carbazole	ND	U	5.00	1.80	1	8/22/16	8/22/16 19:03	269105	511023	
Chrysene	ND	U	5.00	5.00	1	8/22/16	8/22/16 19:03	269105	511023	
Dibenz(a,h)anthracene	ND	U	5.00	5.00	1	8/22/16	8/22/16 19:03	269105	511023	
Dibenzofuran	ND	U	5.00	5.00	1	8/22/16	8/22/16 19:03	269105	511023	
Fluoranthene	ND	U	5.00	5.00	1	8/22/16	8/22/16 19:03	269105	511023	
Fluorene	ND	U	5.00	5.00	1	8/22/16	8/22/16 19:03	269105	511023	
Indeno(1,2,3-cd)pyrene	ND	U	5.00	5.00	1	8/22/16	8/22/16 19:03	269105	511023	
Naphthalene	ND	U	5.00	5.00	1	8/22/16	8/22/16 19:03	269105	511023	
Pentachlorophenol (PCP)	ND	U	20.0	1.10	1	8/22/16	8/22/16 19:03	269105	511023	
Phenanthrene	ND	U	5.00	5.00	1	8/22/16	8/22/16 19:03	269105	511023	
Phenol	ND	U	5.00	5.00	1	8/22/16	8/22/16 19:03	269105	511023	
Pyrene	ND	U	5.00	5.00	1	8/22/16	8/22/16 19:03	269105	511023	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	76	30-150	8/22/16 19:03	
Phenol-d6	36	20-130	8/22/16 19:03	
Nitrobenzene-d5	68	30-150	8/22/16 19:03	
2-Fluorophenol	45	20-130	8/22/16 19:03	
2-Fluorobiphenyl	67	30-150	8/22/16 19:03	
p-Terphenyl-d14	92	30-150	8/22/16 19:03	

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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-02-081816
Lab Code: J1605921-006 **Service Request:** J1605921
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	8/22/16	8/22/16 19:31	269105	511023	
2-Methylnaphthalene	ND	U	5.11	5.11	1	8/22/16	8/22/16 19:31	269105	511023	
2-Methylphenol	ND	U	5.11	5.11	1	8/22/16	8/22/16 19:31	269105	511023	
3- and 4-Methylphenol Coelution	ND	U	5.11	5.11	1	8/22/16	8/22/16 19:31	269105	511023	
Acenaphthene	ND	U	5.11	5.11	1	8/22/16	8/22/16 19:31	269105	511023	
Acenaphthylene	ND	U	5.11	5.11	1	8/22/16	8/22/16 19:31	269105	511023	
Anthracene	ND	U	5.11	5.11	1	8/22/16	8/22/16 19:31	269105	511023	
Benz(a)anthracene	ND	U	5.11	5.11	1	8/22/16	8/22/16 19:31	269105	511023	
Benzo(a)pyrene	ND	U	5.11	5.11	1	8/22/16	8/22/16 19:31	269105	511023	
Benzo(b)fluoranthene	ND	U	5.11	5.11	1	8/22/16	8/22/16 19:31	269105	511023	
Benzo(g,h,i)perylene	ND	U	5.11	5.11	1	8/22/16	8/22/16 19:31	269105	511023	
Benzo(k)fluoranthene	ND	U	5.11	5.11	1	8/22/16	8/22/16 19:31	269105	511023	
Carbazole	ND	U	5.10	1.84	1	8/22/16	8/22/16 19:31	269105	511023	
Chrysene	ND	U	5.11	5.11	1	8/22/16	8/22/16 19:31	269105	511023	
Dibenz(a,h)anthracene	ND	U	5.11	5.11	1	8/22/16	8/22/16 19:31	269105	511023	
Dibenzofuran	ND	U	5.11	5.11	1	8/22/16	8/22/16 19:31	269105	511023	
Fluoranthene	ND	U	5.11	5.11	1	8/22/16	8/22/16 19:31	269105	511023	
Fluorene	ND	U	5.11	5.11	1	8/22/16	8/22/16 19:31	269105	511023	
Indeno(1,2,3-cd)pyrene	ND	U	5.11	5.11	1	8/22/16	8/22/16 19:31	269105	511023	
Naphthalene	ND	U	5.11	5.11	1	8/22/16	8/22/16 19:31	269105	511023	
Pentachlorophenol (PCP)	ND	U	20.4	1.13	1	8/22/16	8/22/16 19:31	269105	511023	
Phenanthrene	ND	U	5.11	5.11	1	8/22/16	8/22/16 19:31	269105	511023	
Phenol	ND	U	5.11	5.11	1	8/22/16	8/22/16 19:31	269105	511023	
Pyrene	ND	U	5.11	5.11	1	8/22/16	8/22/16 19:31	269105	511023	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	79	30-150	8/22/16 19:31	
Phenol-d6	45	20-130	8/22/16 19:31	
Nitrobenzene-d5	82	30-150	8/22/16 19:31	
2-Fluorophenol	60	20-130	8/22/16 19:31	
2-Fluorobiphenyl	76	30-150	8/22/16 19:31	
p-Terphenyl-d14	103	30-150	8/22/16 19:31	

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Analytical Report

Client: Beazer East, Inc.
Project: Gainsville 2016 3Q-Annual GW Sampling/OM-0450-16
Sample Matrix: Water
Sample Name: GAIN-FB-02-081816
Lab Code: J1605921-007 **Service Request:** J1605921
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	8/22/16	8/22/16 19:59	269105	511023	
2-Methylnaphthalene	ND	U	5.11	5.11	1	8/22/16	8/22/16 19:59	269105	511023	
2-Methylphenol	ND	U	5.11	5.11	1	8/22/16	8/22/16 19:59	269105	511023	
3- and 4-Methylphenol Coelution	ND	U	5.11	5.11	1	8/22/16	8/22/16 19:59	269105	511023	
Acenaphthene	ND	U	5.11	5.11	1	8/22/16	8/22/16 19:59	269105	511023	
Acenaphthylene	ND	U	5.11	5.11	1	8/22/16	8/22/16 19:59	269105	511023	
Anthracene	ND	U	5.11	5.11	1	8/22/16	8/22/16 19:59	269105	511023	
Benz(a)anthracene	ND	U	5.11	5.11	1	8/22/16	8/22/16 19:59	269105	511023	
Benzo(a)pyrene	ND	U	5.11	5.11	1	8/22/16	8/22/16 19:59	269105	511023	
Benzo(b)fluoranthene	ND	U	5.11	5.11	1	8/22/16	8/22/16 19:59	269105	511023	
Benzo(g,h,i)perylene	ND	U	5.11	5.11	1	8/22/16	8/22/16 19:59	269105	511023	
Benzo(k)fluoranthene	ND	U	5.11	5.11	1	8/22/16	8/22/16 19:59	269105	511023	
Carbazole	ND	U	5.10	1.84	1	8/22/16	8/22/16 19:59	269105	511023	
Chrysene	ND	U	5.11	5.11	1	8/22/16	8/22/16 19:59	269105	511023	
Dibenz(a,h)anthracene	ND	U	5.11	5.11	1	8/22/16	8/22/16 19:59	269105	511023	
Dibenzofuran	ND	U	5.11	5.11	1	8/22/16	8/22/16 19:59	269105	511023	
Fluoranthene	ND	U	5.11	5.11	1	8/22/16	8/22/16 19:59	269105	511023	
Fluorene	ND	U	5.11	5.11	1	8/22/16	8/22/16 19:59	269105	511023	
Indeno(1,2,3-cd)pyrene	ND	U	5.11	5.11	1	8/22/16	8/22/16 19:59	269105	511023	
Naphthalene	ND	U	5.11	5.11	1	8/22/16	8/22/16 19:59	269105	511023	
Pentachlorophenol (PCP)	ND	U	20.4	1.13	1	8/22/16	8/22/16 19:59	269105	511023	
Phenanthrene	ND	U	5.11	5.11	1	8/22/16	8/22/16 19:59	269105	511023	
Phenol	ND	U	5.11	5.11	1	8/22/16	8/22/16 19:59	269105	511023	
Pyrene	ND	U	5.11	5.11	1	8/22/16	8/22/16 19:59	269105	511023	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	75	30-150	8/22/16 19:59	
Phenol-d6	43	20-130	8/22/16 19:59	
Nitrobenzene-d5	83	30-150	8/22/16 19:59	
2-Fluorophenol	56	20-130	8/22/16 19:59	
2-Fluorobiphenyl	80	30-150	8/22/16 19:59	
p-Terphenyl-d14	98	30-150	8/22/16 19:59	

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Analytical Report

Client: Beazer East, Inc.
Project: Gainsville 2016 3Q-Annual GW Sampling/OM-0450-16
Sample Matrix: Water
Sample Name: GAIN-FW-28B-01-081816
Lab Code: J1605921-008

Service Request: J1605921
Date Collected: 8/18/16 1141
Date Received: 8/19/16

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	8/22/16	8/22/16 20:26	269105	511023	
2-Methylnaphthalene	ND	U	5.00	5.00	1	8/22/16	8/22/16 20:26	269105	511023	
2-Methylphenol	ND	U	5.00	5.00	1	8/22/16	8/22/16 20:26	269105	511023	
3- and 4-Methylphenol Coelution	ND	U	5.00	5.00	1	8/22/16	8/22/16 20:26	269105	511023	
Acenaphthene	ND	U	5.00	5.00	1	8/22/16	8/22/16 20:26	269105	511023	
Acenaphthylene	ND	U	5.00	5.00	1	8/22/16	8/22/16 20:26	269105	511023	
Anthracene	ND	U	5.00	5.00	1	8/22/16	8/22/16 20:26	269105	511023	
Benz(a)anthracene	ND	U	5.00	5.00	1	8/22/16	8/22/16 20:26	269105	511023	
Benzo(a)pyrene	ND	U	5.00	5.00	1	8/22/16	8/22/16 20:26	269105	511023	
Benzo(b)fluoranthene	ND	U	5.00	5.00	1	8/22/16	8/22/16 20:26	269105	511023	
Benzo(g,h,i)perylene	ND	U	5.00	5.00	1	8/22/16	8/22/16 20:26	269105	511023	
Benzo(k)fluoranthene	ND	U	5.00	5.00	1	8/22/16	8/22/16 20:26	269105	511023	
Carbazole	ND	U	5.00	1.80	1	8/22/16	8/22/16 20:26	269105	511023	
Chrysene	ND	U	5.00	5.00	1	8/22/16	8/22/16 20:26	269105	511023	
Dibenz(a,h)anthracene	ND	U	5.00	5.00	1	8/22/16	8/22/16 20:26	269105	511023	
Dibenzofuran	ND	U	5.00	5.00	1	8/22/16	8/22/16 20:26	269105	511023	
Fluoranthene	ND	U	5.00	5.00	1	8/22/16	8/22/16 20:26	269105	511023	
Fluorene	ND	U	5.00	5.00	1	8/22/16	8/22/16 20:26	269105	511023	
Indeno(1,2,3-cd)pyrene	ND	U	5.00	5.00	1	8/22/16	8/22/16 20:26	269105	511023	
Naphthalene	ND	U	5.00	5.00	1	8/22/16	8/22/16 20:26	269105	511023	
Pentachlorophenol (PCP)	ND	U	20.0	1.10	1	8/22/16	8/22/16 20:26	269105	511023	
Phenanthrene	ND	U	5.00	5.00	1	8/22/16	8/22/16 20:26	269105	511023	
Phenol	ND	U	5.00	5.00	1	8/22/16	8/22/16 20:26	269105	511023	
Pyrene	ND	U	5.00	5.00	1	8/22/16	8/22/16 20:26	269105	511023	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	74	30-150	8/22/16 20:26	
Phenol-d6	38	20-130	8/22/16 20:26	
Nitrobenzene-d5	70	30-150	8/22/16 20:26	
2-Fluorophenol	48	20-130	8/22/16 20:26	
2-Fluorobiphenyl	71	30-150	8/22/16 20:26	
p-Terphenyl-d14	95	30-150	8/22/16 20:26	

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Analytical Report

Client: Beazer East, Inc.
Project: Gainsville 2016 3Q-Annual GW Sampling/OM-0450-16
Sample Matrix: Water
Sample Name: GAIN-FW-28B-02-081816
Lab Code: J1605921-009

Service Request: J1605921
Date Collected: 8/18/16 1222
Date Received: 8/19/16

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	5.00	5.00	1	8/22/16	8/22/16 20:54	269105	511023	
2-Methylnaphthalene	ND	U	5.00	5.00	1	8/22/16	8/22/16 20:54	269105	511023	
2-Methylphenol	ND	U	5.00	5.00	1	8/22/16	8/22/16 20:54	269105	511023	
3- and 4-Methylphenol Coelution	ND	U	5.00	5.00	1	8/22/16	8/22/16 20:54	269105	511023	
Acenaphthene	ND	U	5.00	5.00	1	8/22/16	8/22/16 20:54	269105	511023	
Acenaphthylene	ND	U	5.00	5.00	1	8/22/16	8/22/16 20:54	269105	511023	
Anthracene	ND	U	5.00	5.00	1	8/22/16	8/22/16 20:54	269105	511023	
Benz(a)anthracene	ND	U	5.00	5.00	1	8/22/16	8/22/16 20:54	269105	511023	
Benzo(a)pyrene	ND	U	5.00	5.00	1	8/22/16	8/22/16 20:54	269105	511023	
Benzo(b)fluoranthene	ND	U	5.00	5.00	1	8/22/16	8/22/16 20:54	269105	511023	
Benzo(g,h,i)perylene	ND	U	5.00	5.00	1	8/22/16	8/22/16 20:54	269105	511023	
Benzo(k)fluoranthene	ND	U	5.00	5.00	1	8/22/16	8/22/16 20:54	269105	511023	
Carbazole	ND	U	5.00	1.80	1	8/22/16	8/22/16 20:54	269105	511023	
Chrysene	ND	U	5.00	5.00	1	8/22/16	8/22/16 20:54	269105	511023	
Dibenz(a,h)anthracene	ND	U	5.00	5.00	1	8/22/16	8/22/16 20:54	269105	511023	
Dibenzofuran	ND	U	5.00	5.00	1	8/22/16	8/22/16 20:54	269105	511023	
Fluoranthene	ND	U	5.00	5.00	1	8/22/16	8/22/16 20:54	269105	511023	
Fluorene	ND	U	5.00	5.00	1	8/22/16	8/22/16 20:54	269105	511023	
Indeno(1,2,3-cd)pyrene	ND	U	5.00	5.00	1	8/22/16	8/22/16 20:54	269105	511023	
Naphthalene	ND	U	5.00	5.00	1	8/22/16	8/22/16 20:54	269105	511023	
Pentachlorophenol (PCP)	ND	U	20.0	1.10	1	8/22/16	8/22/16 20:54	269105	511023	
Phenanthrene	ND	U	5.00	5.00	1	8/22/16	8/22/16 20:54	269105	511023	
Phenol	ND	U	5.00	5.00	1	8/22/16	8/22/16 20:54	269105	511023	
Pyrene	ND	U	5.00	5.00	1	8/22/16	8/22/16 20:54	269105	511023	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	66	30-150	8/22/16 20:54	
Phenol-d6	34	20-130	8/22/16 20:54	
Nitrobenzene-d5	60	30-150	8/22/16 20:54	
2-Fluorophenol	40	20-130	8/22/16 20:54	
2-Fluorobiphenyl	58	30-150	8/22/16 20:54	
p-Terphenyl-d14	92	30-150	8/22/16 20:54	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: Beazer East, Inc.
Project: Gainsville 2016 3Q-Annual GW Sampling/OM-0450-16
Sample Matrix: Water
Sample Name: GAIN-FW-28B-03-081816
Lab Code: J1605921-010
Service Request: J1605921
Date Collected: 8/18/16 1444
Date Received: 8/19/16
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	8/22/16	8/22/16 21:22	269105	511023	
2-Methylnaphthalene	ND	U	5.00	5.00	1	8/22/16	8/22/16 21:22	269105	511023	
2-Methylphenol	ND	U	5.00	5.00	1	8/22/16	8/22/16 21:22	269105	511023	
3- and 4-Methylphenol Coelution	ND	U	5.00	5.00	1	8/22/16	8/22/16 21:22	269105	511023	
Acenaphthene	ND	U	5.00	5.00	1	8/22/16	8/22/16 21:22	269105	511023	
Acenaphthylene	ND	U	5.00	5.00	1	8/22/16	8/22/16 21:22	269105	511023	
Anthracene	ND	U	5.00	5.00	1	8/22/16	8/22/16 21:22	269105	511023	
Benz(a)anthracene	ND	U	5.00	5.00	1	8/22/16	8/22/16 21:22	269105	511023	
Benzo(a)pyrene	ND	U	5.00	5.00	1	8/22/16	8/22/16 21:22	269105	511023	
Benzo(b)fluoranthene	ND	U	5.00	5.00	1	8/22/16	8/22/16 21:22	269105	511023	
Benzo(g,h,i)perylene	ND	U	5.00	5.00	1	8/22/16	8/22/16 21:22	269105	511023	
Benzo(k)fluoranthene	ND	U	5.00	5.00	1	8/22/16	8/22/16 21:22	269105	511023	
Carbazole	ND	U	5.00	1.80	1	8/22/16	8/22/16 21:22	269105	511023	
Chrysene	ND	U	5.00	5.00	1	8/22/16	8/22/16 21:22	269105	511023	
Dibenz(a,h)anthracene	ND	U	5.00	5.00	1	8/22/16	8/22/16 21:22	269105	511023	
Dibenzofuran	ND	U	5.00	5.00	1	8/22/16	8/22/16 21:22	269105	511023	
Fluoranthene	ND	U	5.00	5.00	1	8/22/16	8/22/16 21:22	269105	511023	
Fluorene	ND	U	5.00	5.00	1	8/22/16	8/22/16 21:22	269105	511023	
Indeno(1,2,3-cd)pyrene	ND	U	5.00	5.00	1	8/22/16	8/22/16 21:22	269105	511023	
Naphthalene	ND	U	5.00	5.00	1	8/22/16	8/22/16 21:22	269105	511023	
Pentachlorophenol (PCP)	ND	U	20.0	1.10	1	8/22/16	8/22/16 21:22	269105	511023	
Phenanthrene	ND	U	5.00	5.00	1	8/22/16	8/22/16 21:22	269105	511023	
Phenol	ND	U	5.00	5.00	1	8/22/16	8/22/16 21:22	269105	511023	
Pyrene	ND	U	5.00	5.00	1	8/22/16	8/22/16 21:22	269105	511023	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	65	30-150	8/22/16 21:22	
Phenol-d6	35	20-130	8/22/16 21:22	
Nitrobenzene-d5	67	30-150	8/22/16 21:22	
2-Fluorophenol	45	20-130	8/22/16 21:22	
2-Fluorobiphenyl	64	30-150	8/22/16 21:22	
p-Terphenyl-d14	91	30-150	8/22/16 21:22	

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-FW-28B-04-081816
Lab Code: J1605921-011

Service Request: J1605921
Date Collected: 8/18/16 1532
Date Received: 8/19/16

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	8/22/16	8/22/16 21:49	269105	511023	
2-Methylnaphthalene	ND	U	5.00	5.00	1	8/22/16	8/22/16 21:49	269105	511023	
2-Methylphenol	ND	U	5.00	5.00	1	8/22/16	8/22/16 21:49	269105	511023	
3- and 4-Methylphenol Coelution	ND	U	5.00	5.00	1	8/22/16	8/22/16 21:49	269105	511023	
Acenaphthene	ND	U	5.00	5.00	1	8/22/16	8/22/16 21:49	269105	511023	
Acenaphthylene	ND	U	5.00	5.00	1	8/22/16	8/22/16 21:49	269105	511023	
Anthracene	ND	U	5.00	5.00	1	8/22/16	8/22/16 21:49	269105	511023	
Benz(a)anthracene	ND	U	5.00	5.00	1	8/22/16	8/22/16 21:49	269105	511023	
Benzo(a)pyrene	ND	U	5.00	5.00	1	8/22/16	8/22/16 21:49	269105	511023	
Benzo(b)fluoranthene	ND	U	5.00	5.00	1	8/22/16	8/22/16 21:49	269105	511023	
Benzo(g,h,i)perylene	ND	U	5.00	5.00	1	8/22/16	8/22/16 21:49	269105	511023	
Benzo(k)fluoranthene	ND	U	5.00	5.00	1	8/22/16	8/22/16 21:49	269105	511023	
Carbazole	ND	U	5.00	1.80	1	8/22/16	8/22/16 21:49	269105	511023	
Chrysene	ND	U	5.00	5.00	1	8/22/16	8/22/16 21:49	269105	511023	
Dibenz(a,h)anthracene	ND	U	5.00	5.00	1	8/22/16	8/22/16 21:49	269105	511023	
Dibenzofuran	ND	U	5.00	5.00	1	8/22/16	8/22/16 21:49	269105	511023	
Fluoranthene	ND	U	5.00	5.00	1	8/22/16	8/22/16 21:49	269105	511023	
Fluorene	ND	U	5.00	5.00	1	8/22/16	8/22/16 21:49	269105	511023	
Indeno(1,2,3-cd)pyrene	ND	U	5.00	5.00	1	8/22/16	8/22/16 21:49	269105	511023	
Naphthalene	ND	U	5.00	5.00	1	8/22/16	8/22/16 21:49	269105	511023	
Pentachlorophenol (PCP)	ND	U	20.0	1.10	1	8/22/16	8/22/16 21:49	269105	511023	
Phenanthrene	ND	U	5.00	5.00	1	8/22/16	8/22/16 21:49	269105	511023	
Phenol	ND	U	5.00	5.00	1	8/22/16	8/22/16 21:49	269105	511023	
Pyrene	ND	U	5.00	5.00	1	8/22/16	8/22/16 21:49	269105	511023	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	79	30-150	8/22/16 21:49	
Phenol-d6	40	20-130	8/22/16 21:49	
Nitrobenzene-d5	64	30-150	8/22/16 21:49	
2-Fluorophenol	44	20-130	8/22/16 21:49	
2-Fluorobiphenyl	63	30-150	8/22/16 21:49	
p-Terphenyl-d14	113	30-150	8/22/16 21:49	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: Beazer East, Inc.
Project: Gainsville 2016 3Q-Annual GW Sampling/OM-0450-16
Sample Matrix: Water
Sample Name: Method Blank
Lab Code: JQ1606294-01

Service Request: J1605921
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	8/22/16	8/22/16 12:23	269105	511023	
2-Methylnaphthalene	ND	U	5.00	5.00	1	8/22/16	8/22/16 12:23	269105	511023	
2-Methylphenol	ND	U	5.00	5.00	1	8/22/16	8/22/16 12:23	269105	511023	
3- and 4-Methylphenol Coelution	ND	U	5.00	5.00	1	8/22/16	8/22/16 12:23	269105	511023	
Acenaphthene	ND	U	5.00	5.00	1	8/22/16	8/22/16 12:23	269105	511023	
Acenaphthylene	ND	U	5.00	5.00	1	8/22/16	8/22/16 12:23	269105	511023	
Anthracene	ND	U	5.00	5.00	1	8/22/16	8/22/16 12:23	269105	511023	
Benz(a)anthracene	ND	U	5.00	5.00	1	8/22/16	8/22/16 12:23	269105	511023	
Benzo(a)pyrene	ND	U	5.00	5.00	1	8/22/16	8/22/16 12:23	269105	511023	
Benzo(b)fluoranthene	ND	U	5.00	5.00	1	8/22/16	8/22/16 12:23	269105	511023	
Benzo(g,h,i)perylene	ND	U	5.00	5.00	1	8/22/16	8/22/16 12:23	269105	511023	
Benzo(k)fluoranthene	ND	U	5.00	5.00	1	8/22/16	8/22/16 12:23	269105	511023	
Carbazole	ND	U	5.00	1.80	1	8/22/16	8/22/16 12:23	269105	511023	
Chrysene	ND	U	5.00	5.00	1	8/22/16	8/22/16 12:23	269105	511023	
Dibenz(a,h)anthracene	ND	U	5.00	5.00	1	8/22/16	8/22/16 12:23	269105	511023	
Dibenzofuran	ND	U	5.00	5.00	1	8/22/16	8/22/16 12:23	269105	511023	
Fluoranthene	ND	U	5.00	5.00	1	8/22/16	8/22/16 12:23	269105	511023	
Fluorene	ND	U	5.00	5.00	1	8/22/16	8/22/16 12:23	269105	511023	
Indeno(1,2,3-cd)pyrene	ND	U	5.00	5.00	1	8/22/16	8/22/16 12:23	269105	511023	
Naphthalene	ND	U	5.00	5.00	1	8/22/16	8/22/16 12:23	269105	511023	
Pentachlorophenol (PCP)	ND	U	20.0	1.10	1	8/22/16	8/22/16 12:23	269105	511023	
Phenanthrene	ND	U	5.00	5.00	1	8/22/16	8/22/16 12:23	269105	511023	
Phenol	ND	U	5.00	5.00	1	8/22/16	8/22/16 12:23	269105	511023	
Pyrene	ND	U	5.00	5.00	1	8/22/16	8/22/16 12:23	269105	511023	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	60	30-150	8/22/16 12:23	
Phenol-d6	36	20-130	8/22/16 12:23	
Nitrobenzene-d5	68	30-150	8/22/16 12:23	
2-Fluorophenol	45	20-130	8/22/16 12:23	
2-Fluorobiphenyl	63	30-150	8/22/16 12:23	
p-Terphenyl-d14	92	30-150	8/22/16 12:23	

Client: Beazer East, Inc.

Service Request: J1605921

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

Sample Matrix: Water

Surrogate Recovery Summary
Semivolatile Organic Compounds by GC/MS

Analytical Method: 8270D

Units: Percent

Prep Method: EPA 3510C

<u>Sample Name</u>	<u>Lab Code</u>	<u>Sur1</u>	<u>Sur2</u>	<u>Sur3</u>	<u>Sur4</u>	<u>Sur5</u>	<u>Sur6</u>
GAIN-FW-22B-01-081816	J1605921-002	67	34	66	42	65	80
GAIN-FW-22B-02-081816	J1605921-003	75	40	71	50	66	100
GAIN-FW-22B-03-081816	J1605921-004	64	32	59	40	55	83
GAIN-FW-22B-04-081816	J1605921-005	76	36	68	45	67	92
GAIN-EB-02-081816	J1605921-006	79	45	82	60	76	103
GAIN-FB-02-081816	J1605921-007	75	43	83	56	80	98
GAIN-FW-28B-01-081816	J1605921-008	74	38	70	48	71	95
GAIN-FW-28B-02-081816	J1605921-009	66	34	60	40	58	92
GAIN-FW-28B-03-081816	J1605921-010	65	35	67	45	64	91
GAIN-FW-28B-04-081816	J1605921-011	79	40	64	44	63	113
Method Blank	JQ1606294-01	60	36	68	45	63	92
Lab Control Sample	JQ1606294-02	98	50	91	62	87	111

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

Service Request: J1605921
Date Analyzed: 8/22/16 11:55

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

File ID: I:\MS04\DATA\MS04-160822\0822-005.D\
Instrument ID: J-MS-04
Analytical Method: 8270D

Lab Code: JQ1606338-02
Analysis Lot: 511023
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 ==>	314,452	4.56	566,600	8.06	631,722	13.67
Upper Limit ==>	628,904	5.56	1,133,200	9.06	1,263,444	14.67
Lower Limit ==>	157,226	3.56	283,300	7.06	315,861	12.67
ICAL Result ==>	377,969	4.57	675,278	8.07	757,602	13.67

Associated Analyses

Method Blank	JQ1606294-01	331,587	4.56	637,709	8.06	695,762	13.65
Lab Control Sample	JQ1606294-02	335,539	4.56	602,144	8.06	655,006	13.66
GAIN-FW-22B-01-081816	J1605921-002	377,660	4.56	713,657	8.06	748,703	13.65
GAIN-FW-22B-02-081816	J1605921-003	366,149	4.56	696,827	8.05	737,162	13.65
GAIN-FW-22B-03-081816	J1605921-004	362,448	4.56	692,354	8.05	720,560	13.65
GAIN-FW-22B-04-081816	J1605921-005	364,588	4.56	686,653	8.05	728,227	13.65
GAIN-EB-02-081816	J1605921-006	363,267	4.56	687,409	8.05	742,150	13.65
GAIN-FB-02-081816	J1605921-007	366,258	4.56	698,021	8.05	742,577	13.65
GAIN-FW-28B-01-081816	J1605921-008	370,420	4.56	688,218	8.05	711,060	13.65
GAIN-FW-28B-02-081816	J1605921-009	379,473	4.56	716,221	8.05	754,092	13.65
GAIN-FW-28B-03-081816	J1605921-010	377,202	4.56	716,159	8.05	746,744	13.65
GAIN-FW-28B-04-081816	J1605921-011	354,090	4.56	667,589	8.05	697,457	13.65

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

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

Service Request: J1605921
Date Analyzed: 8/22/16 11:55

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

File ID: I:\MS04\DATA\MS04-160822\0822-005.D\

Lab Code: JQ1606338-02

Instrument ID: J-MS-04

Analysis Lot: 511023

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 ==>	1,288,298	5.96	519,100	16.64	947,291	9.87
Upper Limit ==>	2,576,596	6.96	1,038,200	17.64	1,894,582	10.87
Lower Limit ==>	644,149	4.96	259,550	15.64	473,646	8.87
ICAL Result ==>	1,486,572	5.97	630,955	16.65	1,117,775	9.88

Associated Analyses

Method Blank	JQ1606294-01	1,441,711	5.96	594,718	16.64	1,061,751	9.87
Lab Control Sample	JQ1606294-02	1,409,044	5.96	539,311	16.64	980,527	9.87
GAIN-FW-22B-01-081816	J1605921-002	1,625,325	5.96	657,475	16.64	1,167,453	9.87
GAIN-FW-22B-02-081816	J1605921-003	1,607,310	5.96	643,589	16.64	1,133,782	9.87
GAIN-FW-22B-03-081816	J1605921-004	1,580,688	5.96	639,242	16.64	1,126,415	9.87
GAIN-FW-22B-04-081816	J1605921-005	1,569,692	5.96	636,830	16.64	1,128,491	9.87
GAIN-EB-02-081816	J1605921-006	1,578,898	5.96	661,385	16.64	1,144,609	9.87
GAIN-FB-02-081816	J1605921-007	1,590,016	5.96	665,366	16.64	1,138,388	9.87
GAIN-FW-28B-01-081816	J1605921-008	1,594,181	5.96	640,949	16.64	1,127,062	9.87
GAIN-FW-28B-02-081816	J1605921-009	1,639,726	5.96	665,730	16.64	1,167,266	9.87
GAIN-FW-28B-03-081816	J1605921-010	1,639,280	5.96	660,315	16.64	1,165,937	9.87
GAIN-FW-28B-04-081816	J1605921-011	1,552,234	5.96	618,093	16.64	1,091,297	9.87

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

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

Service Request: J1605921
Date Analyzed: 8/22/16

Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS

Analytical Method: 8270D
Prep Method: EPA 3510C

Units: µg/L
Basis: NA

Extraction Lot: 269105

Lab Control Sample

JQ1606294-02

Analyte Name	Result	Spike	% Rec	% Rec Limits
		Amount		
2,4-Dimethylphenol	36.3	40.0	91	30 - 120
2-Methylnaphthalene	35.2	40.0	88	60 - 140
2-Methylphenol	36.3	40.0	91	30 - 120
3- and 4-Methylphenol Coelution	35.8	40.0	90	30 - 120
Acenaphthene	39.1	40.0	98	60 - 140
Acenaphthylene	38.7	40.0	97	60 - 140
Anthracene	42.6	40.0	107	60 - 140
Benz(a)anthracene	45.3	40.0	113	37 - 157
Benzo(a)pyrene	46.4	40.0	116	38 - 150
Benzo(b)fluoranthene	46.6	40.0	116	43 - 149
Benzo(g,h,i)perylene	45.9	40.0	115	34 - 150
Benzo(k)fluoranthene	46.3	40.0	116	35 - 147
Carbazole	44.3	40.0	111	60 - 140
Chrysene	45.4	40.0	114	40 - 148
Dibenz(a,h)anthracene	42.5	40.0	106	36 - 155
Dibenzofuran	39.0	40.0	98	60 - 140
Fluoranthene	44.9	40.0	112	60 - 140
Fluorene	39.3	40.0	98	60 - 140
Indeno(1,2,3-cd)pyrene	42.5	40.0	106	35 - 151
Naphthalene	33.8	40.0	85	60 - 140
Pentachlorophenol (PCP)	44.0	40.0	110	30 - 120
Phenanthrene	42.0	40.0	105	60 - 140
Phenol	21.9	40.0	55	30 - 120
Pyrene	46.2	40.0	115	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: Gainsville 2016 3Q-Annual GW Sampling/OM-0450-16
Sample Matrix: Water

Service Request: J1605921
Date Analyzed: 8/22/16 12:23
Date Extracted: 8/22/16

Method Blank Summary
Semivolatile Organic Compounds by GC/MS

Sample Name:	Method Blank	Instrument ID:	J-MS-04
Lab Code:	JQ1606294-01	File ID:	I:\MS04\DATA\MS04-160822\0822-006.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	JQ1606294-02	I:\MS04\DATA\MS04-160822\0822-007.D\	8/22/16 12:52
GAIN-FW-22B-01-081816	J1605921-002	I:\MS04\DATA\MS04-160822\0822-017.D\	8/22/16 17:39
GAIN-FW-22B-02-081816	J1605921-003	I:\MS04\DATA\MS04-160822\0822-018.D\	8/22/16 18:07
GAIN-FW-22B-03-081816	J1605921-004	I:\MS04\DATA\MS04-160822\0822-019.D\	8/22/16 18:35
GAIN-FW-22B-04-081816	J1605921-005	I:\MS04\DATA\MS04-160822\0822-020.D\	8/22/16 19:03
GAIN-EB-02-081816	J1605921-006	I:\MS04\DATA\MS04-160822\0822-021.D\	8/22/16 19:31
GAIN-FB-02-081816	J1605921-007	I:\MS04\DATA\MS04-160822\0822-022.D\	8/22/16 19:59
GAIN-FW-28B-01-081816	J1605921-008	I:\MS04\DATA\MS04-160822\0822-023.D\	8/22/16 20:26
GAIN-FW-28B-02-081816	J1605921-009	I:\MS04\DATA\MS04-160822\0822-024.D\	8/22/16 20:54
GAIN-FW-28B-03-081816	J1605921-010	I:\MS04\DATA\MS04-160822\0822-025.D\	8/22/16 21:22
GAIN-FW-28B-04-081816	J1605921-011	I:\MS04\DATA\MS04-160822\0822-026.D\	8/22/16 21:49

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

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

Service Request: J1605921
Date Analyzed: 8/22/16 12:52
Date Extracted: 8/22/16

Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS

Sample Name:	Lab Control Sample	Instrument ID:	J-MS-04
Lab Code:	JQ1606294-02	File ID:	I:\MS04\DATA\MS04-160822\0822-007.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-FW-22B-02-081816	J1605921-003	I:\MS04\DATA\MS04-160822\0822-018.D\	8/22/16 18:07
GAIN-FW-22B-01-081816	J1605921-002	I:\MS04\DATA\MS04-160822\0822-017.D\	8/22/16 17:39
GAIN-FW-22B-04-081816	J1605921-005	I:\MS04\DATA\MS04-160822\0822-020.D\	8/22/16 19:03
GAIN-FW-28B-03-081816	J1605921-010	I:\MS04\DATA\MS04-160822\0822-025.D\	8/22/16 21:22
GAIN-FW-28B-02-081816	J1605921-009	I:\MS04\DATA\MS04-160822\0822-024.D\	8/22/16 20:54
GAIN-FW-22B-03-081816	J1605921-004	I:\MS04\DATA\MS04-160822\0822-019.D\	8/22/16 18:35
Method Blank	JQ1606294-01	I:\MS04\DATA\MS04-160822\0822-006.D\	8/22/16 12:23
GAIN-FB-02-081816	J1605921-007	I:\MS04\DATA\MS04-160822\0822-022.D\	8/22/16 19:59
GAIN-EB-02-081816	J1605921-006	I:\MS04\DATA\MS04-160822\0822-021.D\	8/22/16 19:31
GAIN-FW-28B-01-081816	J1605921-008	I:\MS04\DATA\MS04-160822\0822-023.D\	8/22/16 20:26
GAIN-FW-28B-04-081816	J1605921-011	I:\MS04\DATA\MS04-160822\0822-026.D\	8/22/16 21:49

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

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

Service Request: J1605921
Date Analyzed: 8/22/16 11:06

Tune Summary
Semivolatile Organic Compounds by GC/MS

File ID: I:\MS04\DATA\MS04-160822\0822-003.D\
Instrument ID: J-MS-04

Analytical Method: 8270D
Analysis Lot: 511023

Target Mass	Relative to Mass	Lower Limit%	Upper Limit%	Relative Abundance %	Raw Abundance	Result Pass/Fail
51	198	30	60	43.20	112738	Pass
68	69	0	2	1.39	1164	Pass
69	198	0	100	32.06	83648	Pass
70	69	0	2	0.60	501	Pass
127	198	40	60	55.66	145234	Pass
197	198	0	1	0.42	1088	Pass
198	198	100	100	100.00	260945	Pass
199	198	5	9	6.44	16807	Pass
275	198	10	30	17.87	46642	Pass
365	198	1	100	1.69	4399	Pass
441	443	0.01	100	76.32	19916	Pass
442	198	40	200	51.07	133256	Pass
443	442	17	23	19.58	26095	Pass

Sample Name	Lab Code	File ID	Date Analyzed	Q
Continuing Calibration Verification	JQ1606338-02	I:\MS04\DATA\MS04-160822\0822-005.D\ I:\MS04\DATA\MS04-160822\0822-006.D\ I:\MS04\DATA\MS04-160822\0822-007.D\ I:\MS04\DATA\MS04-160822\0822-017.D\ I:\MS04\DATA\MS04-160822\0822-018.D\ I:\MS04\DATA\MS04-160822\0822-019.D\ I:\MS04\DATA\MS04-160822\0822-020.D\ I:\MS04\DATA\MS04-160822\0822-021.D\ I:\MS04\DATA\MS04-160822\0822-022.D\ I:\MS04\DATA\MS04-160822\0822-023.D\ I:\MS04\DATA\MS04-160822\0822-024.D\ I:\MS04\DATA\MS04-160822\0822-025.D\ I:\MS04\DATA\MS04-160822\0822-026.D	8/22/16 11:55 8/22/16 12:23 8/22/16 12:52 8/22/16 17:39 8/22/16 18:07 8/22/16 18:35 8/22/16 19:03 8/22/16 19:31 8/22/16 19:59 8/22/16 20:26 8/22/16 20:54 8/22/16 21:22 8/22/16 21:49	
Method Blank	JQ1606294-01			
Lab Control Sample	JQ1606294-02			
GAIN-FW-22B-01-081816	J1605921-002			
GAIN-FW-22B-02-081816	J1605921-003			
GAIN-FW-22B-03-081816	J1605921-004			
GAIN-FW-22B-04-081816	J1605921-005			
GAIN-EB-02-081816	J1605921-006			
GAIN-FB-02-081816	J1605921-007			
GAIN-FW-28B-01-081816	J1605921-008			
GAIN-FW-28B-02-081816	J1605921-009			
GAIN-FW-28B-03-081816	J1605921-010			
GAIN-FW-28B-04-081816	J1605921-011			

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

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

Service Request: J1605921
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

#	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: J1605921
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**

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

Service Request: J1605921
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: Gainsville 2016 3Q-Annual GW Sampling/OM-0450-16

Service Request: J1605921

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:
Project:Beazer East, Inc.
Gainesville 2016 3Q-Annual GW Sampling/OM-0450-16Service Request: J1605921
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: Gainsville 2016 3Q-Annual GW Sampling/OM-0450-16

Service Request: J1605921
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: J1605921
Date Analyzed: 8/22/16Continuing Calibration Verification Summary
Semivolatile Organic Compounds by GC/MS

Analytical Method: 8270D

File ID: I:\MS04\DATA\MS04-160822\0822-005.D\

Calibration Date: 8/17/16
Calibration ID: JC1600059
Analysis Lot: 511023
Units: µg/mL

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
2,4-Dimethylphenol	50.0	57.4	0.3662	0.4200	14.7	NA	± 20 %	Average RF
2-Methylnaphthalene	50.0	56.4	0.8330	0.9401	12.9	NA	± 20 %	Average RF
2-Methylphenol	50.0	58.0	1.551	1.798	15.9	NA	± 20 %	Average RF
3- and 4-Methylphenol Coelution	50.0	58.4	1.665	1.946	16.9	NA	± 20 %	Average RF
Acenaphthene	50.0	58.0	1.535	1.781	16.0	NA	± 20 %	Average RF
Acenaphthylene	50.0	57.7	2.646	3.055	15.5	NA	± 20 %	Average RF
Anthracene	50.0	57.2	1.412	1.615	14.4	NA	± 20 %	Average RF
Benz(a)anthracene	50.0	56.1	1.454	1.632	12.2	NA	± 20 %	Average RF
Benzo(a)pyrene	50.0	57.7	1.388	1.602	15.4	NA	± 20 %	Average RF
Benzo(b)fluoranthene	50.0	58.1	1.653	1.922	16.3	NA	± 20 %	Average RF
Benzo(g,h,i)perylene	50.0	58.1	1.230	1.429	16.2	NA	± 20 %	Average RF
Benzo(k)fluoranthene	50.0	57.4	1.461	1.676	14.7	NA	± 20 %	Average RF
Carbazole	50.0	56.8	1.460	1.659	13.6	NA	± 20 %	Average RF
Chrysene	50.0	56.7	1.276	1.445	13.3	NA	± 20 %	Average RF
Dibenz(a,h)anthracene	50.0	52.6	NA	NA	NA	5.1	± 20 %	Linear
Dibenzofuran	50.0	57.5	2.099	2.414	15.0	NA	± 20 %	Average RF
Fluoranthene	50.0	57.0	1.291	1.472	14.1	NA	± 20 %	Average RF
Fluorene	50.0	59.4	1.869	2.221	18.9	NA	± 20 %	Average RF
Indeno(1,2,3-cd)pyrene	50.0	52.4	NA	NA	NA	4.9	± 20 %	Linear
Naphthalene	50.0	57.4	1.232	1.414	14.8	NA	± 20 %	Average RF
Pentachlorophenol (PCP)	50.0	60.9	NA	NA	NA	21.8 *	± 20 %	Linear
Phenanthrene	50.0	56.4	1.412	1.593	12.8	NA	± 20 %	Average RF
Phenol	50.0	57.7	2.072	2.391	15.4	NA	± 20 %	Average RF
Pyrene	50.0	59.0	1.923	2.267	17.9	NA	± 20 %	Average RF
2,4,6-Tribromophenol	50.0	54.9	NA	NA	NA	9.8	± 20 %	Linear
Phenol-d6	50.0	57.6	1.953	2.249	15.2	NA	± 20 %	Average RF
Nitrobenzene-d5	50.0	60.1	1.299	1.560	20.1 *	NA	± 20 %	Average RF
2-Fluorophenol	50.0	57.1	1.589	1.814	14.2	NA	± 20 %	Average RF
2-Fluorobiphenyl	50.0	57.3	1.736	1.989	14.6	NA	± 20 %	Average RF
p-Terphenyl-d14	50.0	58.3	1.134	1.322	16.5	NA	± 20 %	Average RF

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

Service Request: J1605921

Analysis Run Log
Semivolatile Organic Compounds by GC/MS

Analytical Method: 8270D

Analysis Lot: 511023
Instrument ID: J-MS-04

Raw Data File	Sample Name	Lab Code	Date Analyzed	Time Analyzed	Q
0822-003.D\	Tune (Ion Ratios)	JQ1606338-01	8/22/16	11:06	
0822-005.D\	Continuing Calibration Verification	JQ1606338-02	8/22/16	11:55	
0822-006.D\	Method Blank	JQ1606294-01	8/22/16	12:23	
0822-007.D\	Lab Control Sample	JQ1606294-02	8/22/16	12:52	
0822-008.D\	ZZZZZZZ	ZZZZZZZ	8/22/16	13:21	
0822-009.D\	ZZZZZZZ	ZZZZZZZ	8/22/16	13:50	
0822-010.D\	ZZZZZZZ	ZZZZZZZ	8/22/16	14:19	
0822-011.D\	ZZZZZZZ	ZZZZZZZ	8/22/16	14:47	
0822-012.D\	ZZZZZZZ	ZZZZZZZ	8/22/16	15:16	
0822-013.D\	ZZZZZZZ	ZZZZZZZ	8/22/16	15:45	
0822-015.D\	ZZZZZZZ	ZZZZZZZ	8/22/16	16:43	
0822-016.D\	ZZZZZZZ	ZZZZZZZ	8/22/16	17:11	
0822-017.D\	GAIN-FW-22B-01-081816	J1605921-002	8/22/16	17:39	
0822-018.D\	GAIN-FW-22B-02-081816	J1605921-003	8/22/16	18:07	
0822-019.D\	GAIN-FW-22B-03-081816	J1605921-004	8/22/16	18:35	
0822-020.D\	GAIN-FW-22B-04-081816	J1605921-005	8/22/16	19:03	
0822-021.D\	GAIN-EB-02-081816	J1605921-006	8/22/16	19:31	
0822-022.D\	GAIN-FB-02-081816	J1605921-007	8/22/16	19:59	
0822-023.D\	GAIN-FW-28B-01-081816	J1605921-008	8/22/16	20:26	
0822-024.D\	GAIN-FW-28B-02-081816	J1605921-009	8/22/16	20:54	
0822-025.D\	GAIN-FW-28B-03-081816	J1605921-010	8/22/16	21:22	
0822-026.D\	GAIN-FW-28B-04-081816	J1605921-011	8/22/16	21:49	
0822-027.D\	ZZZZZZZ	ZZZZZZZ	8/22/16	22:16	
0822-028.D\	ZZZZZZZ	ZZZZZZZ	8/22/16	22:44	

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

Service Request: J1605921**Semivolatile Organic Compounds by GC/MS****Prep Method:** EPA 3510C**Extraction Lot:** 269105**Analytical Method:** 8270D

Sample Name	Lab Code	Date Collected	Date Received	Sample Amount	Final Amount	Percent Solids
GAIN-FW-22B-01-081816	J1605921-002	8/18/16	8/19/16	1000 mL	1 mL	
GAIN-FW-22B-02-081816	J1605921-003	8/18/16	8/19/16	1000 mL	1 mL	
GAIN-FW-22B-03-081816	J1605921-004	8/18/16	8/19/16	1000 mL	1 mL	
GAIN-FW-22B-04-081816	J1605921-005	8/18/16	8/19/16	1000 mL	1 mL	
GAIN-EB-02-081816	J1605921-006	8/18/16	8/19/16	980.0000 mL	1 mL	
GAIN-FB-02-081816	J1605921-007	8/18/16	8/19/16	980.0000 mL	1 mL	
GAIN-FW-28B-01-081816	J1605921-008	8/18/16	8/19/16	1000 mL	1 mL	
GAIN-FW-28B-02-081816	J1605921-009	8/18/16	8/19/16	1000 mL	1 mL	
GAIN-FW-28B-03-081816	J1605921-010	8/18/16	8/19/16	1000 mL	1 mL	
GAIN-FW-28B-04-081816	J1605921-011	8/18/16	8/19/16	1000 mL	1 mL	
Method Blank	JQ1606294-01			1000 mL	1 mL	
Lab Control Sample	JQ1606294-02			1000 mL	1 mL	

Inorganic Analysis:
Metals

Summary Package

Sample and QC Results

Total Metals
- COVER PAGE -
INORGANIC ANALYSIS DATA PACKAGE

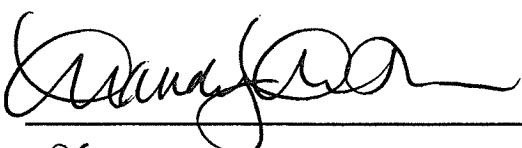
Client: <u>Beazer East, Inc.</u>	Method Type: <u>6020A</u>	SOW No.: _____
SDG No.: <u>J1605921</u>	Lab Code: <u>ALJCK</u>	Case No.: _____
Contract: <u>OM-0450-16</u>	SAS No.: _____	

Lab Sample ID	Client Sample ID	QC Description
<u>J1605921-008</u>	<u>GAIN-FW-28B-01-081816</u>	
<u>J1605921-009</u>	<u>GAIN-FW-28B-02-081816</u>	
<u>J1605921-010</u>	<u>GAIN-FW-28B-03-081816</u>	
<u>J1605921-011</u>	<u>GAIN-FW-28B-04-081816</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: 
09/30/2016

Name: Mandy Sullivan
Title: Project Manager

Total Metals

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: Beazer East, Inc. SDG No.: J1605921 Method Type: _____

Sample ID: J1605921-008

Client ID: GAIN-FW-28B-01-081816

Matrix: WATER

Date Received: 8/19/2016

Level: LOW

% Solids:

Sample Wt/Vol:

50.0

Final Vol: 50.0

Prep Batch ID: 511841

Prep Date: 8/26/2016

Analyte	Concentration	Units	C	Qual	Method	MDL	MRL	Dil	Analytical	
									Date	Time
Arsenic	0.50	ug/L	U		6020A	0.50	1.0	1.00	8/26/2016	22:51

Comments: _____

Total Metals

- 1 -
INORGANIC ANALYSIS DATA PACKAGE

Client: Beazer East, Inc. SDG No.: J1605921 Method Type: _____

Sample ID: J1605921-009

Client ID: GAIN-FW-28B-02-081816

Matrix: WATER

Date Received: 8/19/2016

Level: LOW

% Solids:

Sample Wt/Vol: 50.0

Final Vol: 50.0

Prep Batch ID: 511841

Prep Date: 8/26/2016

Analyte	Concentration	Units	C	Qual	Method	MDL	MRL	Dil	Analytical	
									Date	Time
Arsenic	0.50	ug/L	U		6020A	0.50	1.0	1.00	8/26/2016	22:53

Comments:

Total Metals

- 1 -
INORGANIC ANALYSIS DATA PACKAGE

Client: Beazer East, Inc. SDG No.: J1605921 Method Type: _____

Sample ID: J1605921-010

Client ID: GAIN-FW-28B-03-081816

Matrix: WATER

Date Received: 8/19/2016

Level: LOW

% Solids:

Sample Wt/Vol: 50.0

Final Vol: 50.0

Prep Batch ID: 511841

Prep Date: 8/26/2016

Analyte	Concentration	Units	C	Qual	Method	MDL	MRL	Dil	Analytical	
									Date	Time
Arsenic	0.50	ug/L	U		6020A	0.50	1.0	1.00	8/26/2016	22:55

Comments:

Total Metals

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: Beazer East, Inc. SDG No.: J1605921 Method Type: _____

Sample ID: J1605921-011

Client ID: GAIN-FW-28B-04-081816

Matrix: WATER

Date Received:

8/19/2016

Level:

LOW

% Solids:

Sample Wt/Vol:

50.0

Final Vol:

50.0

Prep Batch ID: 511841

Prep Date: 8/26/2016

Analyte	Concentration	Units	C	Qual	Method	MDL	MRL	Dil	Analytical	
									Date	Time
Arsenic	0.50	ug/L	U		6020A	0.50	1.0	1.00	8/26/2016	22:57

Comments:

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

Client: Beazer East, Inc. **SDG No.:** J1605921
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	51.7	50.0	103	90.0 - 110.0	6020A	8/26/2016	22:25	NoGas 160
CCV									
	Arsenic	50.7	50.0	101	90.0 - 110.0	6020A	8/26/2016	22:44	NoGas 160
CCV									
	Arsenic	50.9	50.0	102	90.0 - 110.0	6020A	8/26/2016	23:06	NoGas 160
CCV									
	Arsenic	50.6	50.0	101	90.0 - 110.0	6020A	8/26/2016	23:28	NoGas 160
CCV									
	Arsenic	50.7	50.0	101	90.0 - 110.0	6020A	8/26/2016	23:36	NoGas 160

Total Metals**- 2b -****CRDL STANDARD FOR AA & ICP**Client: Beazer East, Inc.SDG No.: J1605921Contract: OM-0450-16Lab 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 0.95 1.00 95 50 - 150 6020A 8/26/2016 22:29 NoGas 16

MRL

Arsenic 1.02 1.00 102 50 - 150 6020A 8/26/2016 23:39 NoGas 16

Total Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Beazer East, Inc.

SDG No.: J1605921

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	8/26/2016	22:27	NoGas 160826I
CCB	Arsenic	0.50	+/-1.00	U	0.50	1.00	6020A	8/26/2016	22:46	NoGas 160826I
CCB	Arsenic	0.50	+/-1.00	U	0.50	1.00	6020A	8/26/2016	23:08	NoGas 160826I
CCB	Arsenic	0.50	+/-1.00	U	0.50	1.00	6020A	8/26/2016	23:30	NoGas 160826I
CCB	Arsenic	0.50	+/-1.00	U	0.50	1.00	6020A	8/26/2016	23:38	NoGas 160826I

Total Metals

- 3b -

PREPARATION BLANK SUMMARY

Client: Beazer East, Inc. SDG No.: J1605921

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-06421-04	Arsenic	0.500	U		+/-0.500	0.500	1.000	6020A	8/26/2016	22:48	NoGas 1608261

Total Metals**- 4 -****INTERFERENCE CHECK SAMPLE**

Client: Beazer East, Inc. **SDG No.:** J1605921
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	0.007			-2.000 to 2.000	6020A	8/26/2016	22:31	NoGas 160826
ICSAB									
	Arsenic	22.6	20.0	113	80 - 120%	6020A	8/26/2016	22:33	NoGas 160826
ICSA									
	Arsenic	-0.041			-2.000 to 2.000	6020A	8/26/2016	23:32	NoGas 160826
ICSAB									
	Arsenic	21.6	20.0	108	80 - 120%	6020A	8/26/2016	23:34	NoGas 160826

Total Metals

- 7 -

LABORATORY CONTROL SAMPLE SUMMARY

Client: Beazer East, Inc.	SDG No.: J1605921							
Contract: OM-0450-16	Lab Code: ALJCK	Case No.:	SAS No.:					
Aqueous LCS Source: Inorganic Ventures	Solid LCS Source:							
<hr/>								
Sample ID	Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	Method
LCS-06421-03	Arsenic	ug/L	50.0	52.1		104	75.0 - 125.0	6020A

Total Metals

- 10 -

METHOD DETECTION LIMITSClient: Beazer East, Inc.SDG No.: J1605921Contract: 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

Total Metals**- 13 -****SAMPLE PREPARATION SUMMARY**

Client: Beazer East, Inc.

SDG No.: J1605921

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: <i>511841 269523 QM 9.30.16</i>							
MB-06421-04	MB-06421-04	MB	WATER	8/26/16	50.0	50.0	
LCS-06421-03	LCS-06421-03	LCS	WATER	8/26/16	50.0	50.0	
J1605921-008	GAIN-FW-28B-01-081816	SAM	WATER	8/26/16	50.0	50.0	
J1605921-009	GAIN-FW-28B-02-081816	SAM	WATER	8/26/16	50.0	50.0	
J1605921-010	GAIN-FW-28B-03-081816	SAM	WATER	8/26/16	50.0	50.0	
J1605921-011	GAIN-FW-28B-04-081816	SAM	WATER	8/26/16	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.: J1605921

Instrument ID Number: ICP-MS Method: MS Run Number: NoGas 160826

Start Date: 8/26/2016 End Date: 8/26/2016

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 G	K I	S E	A G	N E	T G	V A	Z L	C N	
Cal Blank	1.00	2215				X																					
Cal Std 1	1.00	2217				X																					
Cal Std 2	1.00	2219				X																					
Cal Std 3	1.00	2221				X																					
Cal Std 4	1.00	2223				X																					
ICV	1.00	2225				X																					
ICB	1.00	2227				X																					
MRL	1.00	2229				X																					
ICSA	1.00	2231				X																					
ICSA	1.00	2233				X																					
ZZZZZZ	5.00	2234																									
CCV	1.00	2244				X																					
CCB	1.00	2246				X																					
MB-06421-04	1.00	2248				X																					
LCS-06421-03	1.00	2250				X																					
GAIN-FW-28B-01-0818	1.00	2251				X																					
GAIN-FW-28B-02-0818	1.00	2253				X																					
GAIN-FW-28B-03-0818	1.00	2255				X																					
GAIN-FW-28B-04-0818	1.00	2257				X																					
ZZZZZZ	1.00	2259																									
ZZZZZZ	1.00	2301																									
ZZZZZZ	1.00	2302																									
ZZZZZZ	5.00	2304																									
CCV	1.00	2306				X																					
CCB	1.00	2308				X																					
ZZZZZZ	1.00	2310																									
ZZZZZZ	1.00	2312																									
ZZZZZZ	1.00	2313																									
ZZZZZZ	1.00	2315																									
ZZZZZZ	1.00	2317																									
ZZZZZZ	1.00	2319																									
ZZZZZZ	1.00	2321																									
ZZZZZZ	1.00	2323																									
ZZZZZZ	1.00	2325																									
ZZZZZZ	1.00	2326																									
CCV	1.00	2328				X																					

Total Metals
14
ANALYSIS RUN LOG

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

Lab Code: ALJCK Case No.: SAS No.: SDG No.: J1605921

Instrument ID Number: ICP-MS Method: MS Run Number: NoGas 160826

Start Date: 8/26/2016 End Date: 8/26/2016

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	N G	T A	V L
CCB	1.00	2330				X																			
ICSA	1.00	2332				X																			
ICSAB	1.00	2334				X																			
CCV	1.00	2336				X																			
CCB	1.00	2338				X																			
MRL	1.00	2339				X																			

Dissolved Metals
- COVER PAGE -
INORGANIC ANALYSIS DATA PACKAGE

Client: <u>Beazer East, Inc.</u>	Method Type: <u>6020A</u>	SOW No.: _____
SDG No.: <u>J1605921</u>	Lab Code: <u>ALJCK</u>	Case No.: _____
Contract: <u>OM-0450-16</u>	SAS No.: _____	

Lab Sample ID	Client Sample ID	QC Description
<u>J1605921-008</u>	<u>GAIN-FW-28B-01-081816</u>	
<u>J1605921-009</u>	<u>GAIN-FW-28B-02-081816</u>	
<u>J1605921-010</u>	<u>GAIN-FW-28B-03-081816</u>	
<u>J1605921-011</u>	<u>GAIN-FW-28B-04-081816</u>	

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

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: Mandy Sullivan
Date: 09.30.2016

Name: Mandy Sullivan
Title: Project Manager

Dissolved Metals

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: Beazer East, Inc. SDG No.: J1605921 Method Type: _____

Sample ID: J1605921-008

Client ID: GAIN-FW-28B-01-081816

Matrix: WATER

Date Received:

8/19/2016

Level:

LOW

% Solids:

Sample Wt/Vol:

50.0

Final Vol:

50.0

Prep Batch ID: 269315

Prep Date:

8/24/2016

Analyte	Concentration	Units	C	Qual	Method	MDL	MRL	Dil	Analytical	
									Date	Time
Arsenic	0.50	ug/L	U		6020A	0.50	1.0	1.00	8/26/2016	17:18

Comments:

Dissolved Metals

- 1 -
INORGANIC ANALYSIS DATA PACKAGE

Client: Beazer East, Inc. SDG No.: J1605921 Method Type: _____

Sample ID: J1605921-009

Client ID: GAIN-FW-28B-02-081816

Matrix: WATER

Date Received: 8/19/2016

Level: LOW

% Solids:

Sample Wt/Vol: 50.0

Final Vol: 50.0

Prep Batch ID: 269315

Prep Date: 8/24/2016

Analyte	Concentration	Units	C	Qual	Method	MDL	MRL	Dil	Analytical	
									Date	Time
Arsenic	0.50	ug/L	U		6020A	0.50	1.0	1.00	8/26/2016	17:20

Comments: _____

Dissolved Metals

- 1 -
INORGANIC ANALYSIS DATA PACKAGEClient: Beazer East, Inc. SDG No.: J1605921 Method Type: _____

Sample ID: J1605921-010 Client ID: GAIN-FW-28B-03-081816

Matrix: WATER Date Received: 8/19/2016 Level: LOW

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

Prep Batch ID: 269315 Prep Date: 8/24/2016

Analyte	Concentration	Units	C	Qual	Method	MDL	MRL	Dil	Analytical	
									Date	Time
Arsenic	0.50	ug/L	U		6020A	0.50	1.0	1.00	8/26/2016	17:21

Comments: _____

Dissolved Metals

- 1 -
INORGANIC ANALYSIS DATA PACKAGE

Client: Beazer East, Inc. SDG No.: J1605921 Method Type: _____

Sample ID: J1605921-011

Client ID: GAIN-FW-28B-04-081816

Matrix: WATER

Date Received: 8/19/2016

Level: LOW

% Solids:

Sample Wt/Vol: 50.0

Final Vol: 50.0

Prep Batch ID: 269315

Prep Date: 8/24/2016

Analyte	Concentration	Units	C	Qual	Method	MDL	MRL	Dil	Date	Time
Arsenic	0.50	ug/L	U		6020A	0.50	1.0	1.00	8/26/2016	17:23

Comments: _____

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

Client: Beazer East, Inc. **SDG No.:** J1605921
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	49.7	50.0	99	90.0 - 110.0	6020A	8/26/2016	16:51	NoGas 160
CCV									
	Arsenic	49.7	50.0	99	90.0 - 110.0	6020A	8/26/2016	17:10	NoGas 160
CCV									
	Arsenic	49.6	50.0	99	90.0 - 110.0	6020A	8/26/2016	17:32	NoGas 160
CCV									
	Arsenic	49.9	50.0	100	90.0 - 110.0	6020A	8/26/2016	17:55	NoGas 160
CCV									
	Arsenic	49.1	50.0	98	90.0 - 110.0	6020A	8/26/2016	18:11	NoGas 160

Dissolved Metals**- 2b -****CRDL STANDARD FOR AA & ICP**Client: Beazer East, Inc.SDG No.: J1605921Contract: 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 1.04 1.00 104 50 - 150 6020A 8/26/2016 16:55 NoGas 16

MRL

Arsenic 0.98 1.00 98 50 - 150 6020A 8/26/2016 18:15 NoGas 16

Dissolved Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Beazer East, Inc.

SDG No.: J1605921

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	8/26/2016	16:53	NoGas 160826
CCB	Arsenic	0.50	+/-1.00	U	0.50	1.00	6020A	8/26/2016	17:12	NoGas 160826
CCB	Arsenic	0.50	+/-1.00	U	0.50	1.00	6020A	8/26/2016	17:34	NoGas 160826
CCB	Arsenic	0.50	+/-1.00	U	0.50	1.00	6020A	8/26/2016	17:56	NoGas 160826
CCB	Arsenic	0.50	+/-1.00	U	0.50	1.00	6020A	8/26/2016	18:13	NoGas 160826

Dissolved Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Beazer East, Inc. SDG No.: J1605921

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-06364-04	Arsenic	0.500	U		+/-0.500	0.500	1.000	6020A	8/26/2016	17:14	NoGas 160826E

Dissolved Metals

- 4 -

INTERFERENCE CHECK SAMPLE

Client: Beazer East, Inc. **SDG No.:** J1605921
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	0.099			-2.000 to 2.000	6020A	8/26/2016	16:57	NoGas 160826
ICSAB									
	Arsenic	20.8	20.0	104	80 - 120%	6020A	8/26/2016	16:59	NoGas 160826
ICSA									
	Arsenic	0.084			-2.000 to 2.000	6020A	8/26/2016	18:08	NoGas 160826
ICSAB									
	Arsenic	20.8	20.0	104	80 - 120%	6020A	8/26/2016	18:10	NoGas 160826

Dissolved Metals

- 7 -

LABORATORY CONTROL SAMPLE SUMMARY

Client: Beazer East, Inc.	SDG No.: J1605921							
Contract: OM-0450-16	Case No.: _____							
Aqueous LCS Source: Inorganic Ventures	SAS No.: _____							
Solid LCS Source:								
Sample ID	Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	Method
LCS-06364-03	Arsenic	ug/L	50.0	48.6		97	75.0 - 125.0	6020A

Dissolved Metals

- 10 -

METHOD DETECTION LIMITS

Client: Beazer East, Inc.

SDG No.: J1605921

Contract: OM-0450-16

Lab 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

Dissolved Metals**- 13 -****SAMPLE PREPARATION SUMMARY**

Client: Beazer East, Inc.

SDG No.: J1605921

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:	269315						
MB-06364-04	MB-06364-04	MB	WATER	8/24/16	50.0	50.0	
LCS-06364-03	LCS-06364-03	LCS	WATER	8/24/16	50.0	50.0	
J1605921-008	GAIN-FW-28B-01-081816	SAM	WATER	8/24/16	50.0	50.0	
J1605921-009	GAIN-FW-28B-02-081816	SAM	WATER	8/24/16	50.0	50.0	
J1605921-010	GAIN-FW-28B-03-081816	SAM	WATER	8/24/16	50.0	50.0	
J1605921-011	GAIN-FW-28B-04-081816	SAM	WATER	8/24/16	50.0	50.0	

Dissolved Metals

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ANALYSIS RUN LOG

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

Lab Code: ALJCK Case No.: _____ SAS No.: _____ SDG No.: J1605921

Instrument ID Number: ICP-MS Method: MS Run Number: NoGas 160826

Start Date: 8/26/2016 End Date: 8/26/2016

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	N G	T A	V L
Cal Blank	1.00	1641				X																			
Cal Std 1	1.00	1643				X																			
Cal Std 2	1.00	1645				X																			
Cal Std 3	1.00	1647				X																			
Cal Std 4	1.00	1649				X																			
ICV	1.00	1651				X																			
ICB	1.00	1653				X																			
MRL	1.00	1655				X																			
ICSA	1.00	1657				X																			
ICSAB	1.00	1659				X																			
ZZZZZZ	5.00	1701																							
CCV	1.00	1710				X																			
CCB	1.00	1712				X																			
MB-06364-04	1.00	1714				X																			
LCS-06364-03	1.00	1716				X																			
GAIN-FW-28B-01-0818	1.00	1718				X																			
GAIN-FW-28B-02-0818	1.00	1720				X																			
GAIN-FW-28B-03-0818	1.00	1721				X																			
GAIN-FW-28B-04-0818	1.00	1723				X																			
ZZZZZZ	1.00	1725																							
ZZZZZZ	1.00	1727																							
ZZZZZZ	1.00	1729																							
ZZZZZZ	5.00	1731																							
CCV	1.00	1732				X																			
CCB	1.00	1734				X																			
ZZZZZZ	1.00	1736																							
ZZZZZZ	1.00	1738																							
ZZZZZZ	1.00	1740																							
ZZZZZZ	1.00	1742																							
ZZZZZZ	1.00	1743																							
ZZZZZZ	1.00	1745																							
ZZZZZZ	1.00	1747																							
ZZZZZZ	1.00	1749																							
ZZZZZZ	1.00	1751																							
ZZZZZZ	1.00	1753																							
CCV	1.00	1755				X																			

Dissolved Metals

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ANALYSIS RUN LOG

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

Lab Code: ALJCK Case No.: SAS No.: SDG No.: J1605921

Instrument ID Number: ICP-MS Method: MS Run Number: NoGas 160826

Start Date: 8/26/2016 End Date: 8/26/2016

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 G	K I	S E	A G	N E	T G	Z L
CCB	1.00	1756				X																		
ZZZZZZ	1.00	1758																						
ZZZZZZ	1.00	1800																						
ZZZZZZ	1.00	1802																						
ZZZZZZ	1.00	1804																						
ZZZZZZ	1.00	1806																						
ICSA	1.00	1808				X																		
ICSAB	1.00	1810				X																		
CCV	1.00	1811				X																		
CCB	1.00	1813				X																		
MRL	1.00	1815				X																		