ERM NC, Inc.

15720 Brixham Hill Avenue
Suite 120
Charlotte, NC 28277
(704) 541-8345
(704) 624-7928 (fax)

October 15, 2014

Matthew Aufman
NCDENR - Division of Waste Management
217 West Jones Street
Raleigh, North Carolina 27603

Subject: 3rd Quarter 2014 Progress Update
Engineered Controls International, LLC (ECI)
100 Rego Drive
Elon, Alamance County, North Carolina
Docket No. 13-SF-367

Dear Mr. Aufman:

On behalf of ECI, ERM NC, Inc. (ERM) has prepared this quarterly status update of activities for the 3rd quarter of 2014 at the ECI – Elon site. During the reporting period, ERM completed the following activities:

- Completed review and compilation of soil and groundwater data generated during the implementation of the RI Workplan. As required, the compiled data, laboratory reports, interpreted groundwater flow maps and contaminant distribution maps are attached;
- Drafted the Phase I RI Report;
- Submitted a Phase II RI Workplan Addendum; and
- Planned for supplemental groundwater assessment.

ERM is currently in the process of completing supplemental assessment activities in accordance with the referenced RI Workplan Addendum.

Progress is proceeding in a manner to achieve the mandatory work phase completion deadlines set out in 15A NCAC 13C .0302(h). Certification statements for the Remediating Party and RSM are attached. If you have any questions regarding this project, please contact me at (919) 233-4501.

Sincerely,

Edward B. Hollifield, P.G.
Project Manager

Cc: Tim Crater – Engineered Controls International, LLC
Jimmy McCandies – Engineered Controls International, LLC
Peter McGrath – Moore & Van Allen, PLLC
Sarah Broughel – Choate, Hall & Stewart, LLP

REC PROGRAM DOCUMENT CERTIFICATION FORM - PAGE 1 OF 2

IHSB SITE NAME Engineered Controls International - Elon

DATE & NAME OF DOCUMENT 10/14/2014 - 3rd Quarter 2014 Progress Update

TYPE OF SUBMITTAL (circle all that apply) Report, Work plan, Work Phase Comp. Statement, Schedule Change

REMEDIATING PARTY DOCUMENT CERTIFICATION STATEMENT (.0306(B)(2))

"I certify under penalty of law that I have personally examined and am familiar with the information contained in this submittal, including any and all documents accompanying this certification, and that, based on my inquiry of those individuals immediately responsible for obtaining the information, the material and information contained herein is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for willfully submitting false, inaccurate or incomplete information."

Mr. Tim Crater
Name of Remediating Party

Signature of Remediating Party

10/14/14
Date

NOTARIZATION

North Carolina (Enter State)

Alamance COUNTY

I, Patricia T. Hill, a Notary Public of said County and State, do hereby certify that Tim Crater did personally appear and sign before me this day, produced proper identification in the form of personally known, was duly sworn or affirmed, and declared that, to the best of his or her knowledge and belief, after thorough investigation, the information contained in the above certification is true and accurate, and he or she then signed this Certification in my presence.

WITNESS my hand and official seal this 14 day of October, 2014

Patricia T. Hill
Notary Public (signature)

(OFFICIAL SEAL)

My commission expires: 2-7-17

OFFICIAL SEAL
PATRICIA T. HILL
Notary Public - North Carolina
ALAMANCE COUNTY
My Commission Expires

Patricia T. Hill

Document Certification Form No. DC - I
(Revised 8/11)

REC PROGRAM DOCUMENT CERTIFICATION FORM - PAGE 2 OF 2
IHSB SITE NAME Engineered Controls International - Elon
DATE & NAME OF DOCUMENT 20141014 - 3rd Quarter 2014 Progress Report
TYPE OF SUBMITTAL (circle all that apply) Report, Work plan, Work Phase Comp. Statement, Schedule Change

REGISTERED SITE MANAGER CERTIFICATION OF SIGNATURES

As the Registered Environmental Consultant for the Site for which this filing is made, I certify that the signatures included herewith are genuine and authentic original handwritten signatures and/or true, accurate, and complete copies of the genuine and authentic original handwritten signatures of the persons who purport to sign for this filing. I further certify that I have collected through reliable means the originals and/or copies of said signatures from the persons authorized to sign for this filing who, in fact, signed the originals thereof. Those persons and I understand and agree that any copies of signatures have the same legally binding effect as original handwritten signatures, and I certify that any person for whom I am submitting a copy of their signature has provided me with their express consent to submit said copy. Additionally, I certify that I am authorized to attest to the genuineness and authenticity of the signatures, both originals and any copies, being submitted herewith and that by signing below, I do in fact attest to the genuineness and authenticity of all the signatures, both originals and copies, being submitted for this filing.

Tom Wilson
Name of Registered Site Manager

Thomas M Wilson
Signature of Registered Site Manager

10-14-2014
Date

REGISTERED SITE MANAGER DOCUMENT CERTIFICATION STATEMENT (.0306(b)(1))

"I certify under penalty of law that I am personally familiar with the information contained in this submittal, including any and all supporting documents accompanying this certification, and that the material and information contained herein is, to the best of my knowledge and belief, true, accurate and complete and complies with the Inactive Hazardous Sites Response Act N.C.G.S. 130A-310, et seq, and the remedial action program Rules 15A NCAC 13C .0300. I am aware that there are significant penalties for willfully submitting false, inaccurate or incomplete information."

Tom Wilson
Name of Registered Site Manager

Thomas M Wilson
Signature of Registered Site Manager

10-14-2014
Date

NOTARIZATION

North Carolina (Enter State)
Mecklenburg COUNTY

I, Debra C Pressley, a Notary Public of said County and State, do hereby certify that Thomas M Wilson did personally appear and sign before me this day, produced proper identification in the form of NCDL, was duly sworn or affirmed, and declared that, he or she is the duly authorized environmental consultant of the remediating party of the property referenced above and that, to the best of his or her knowledge and belief, after thorough investigation, the information contained in the above certifications is true and accurate, and he or she then signed these Certifications in my presence.

WITNESS my hand and official seal this 14 day of October, 2014.

Debra C Pressley
Notary Public (signature)

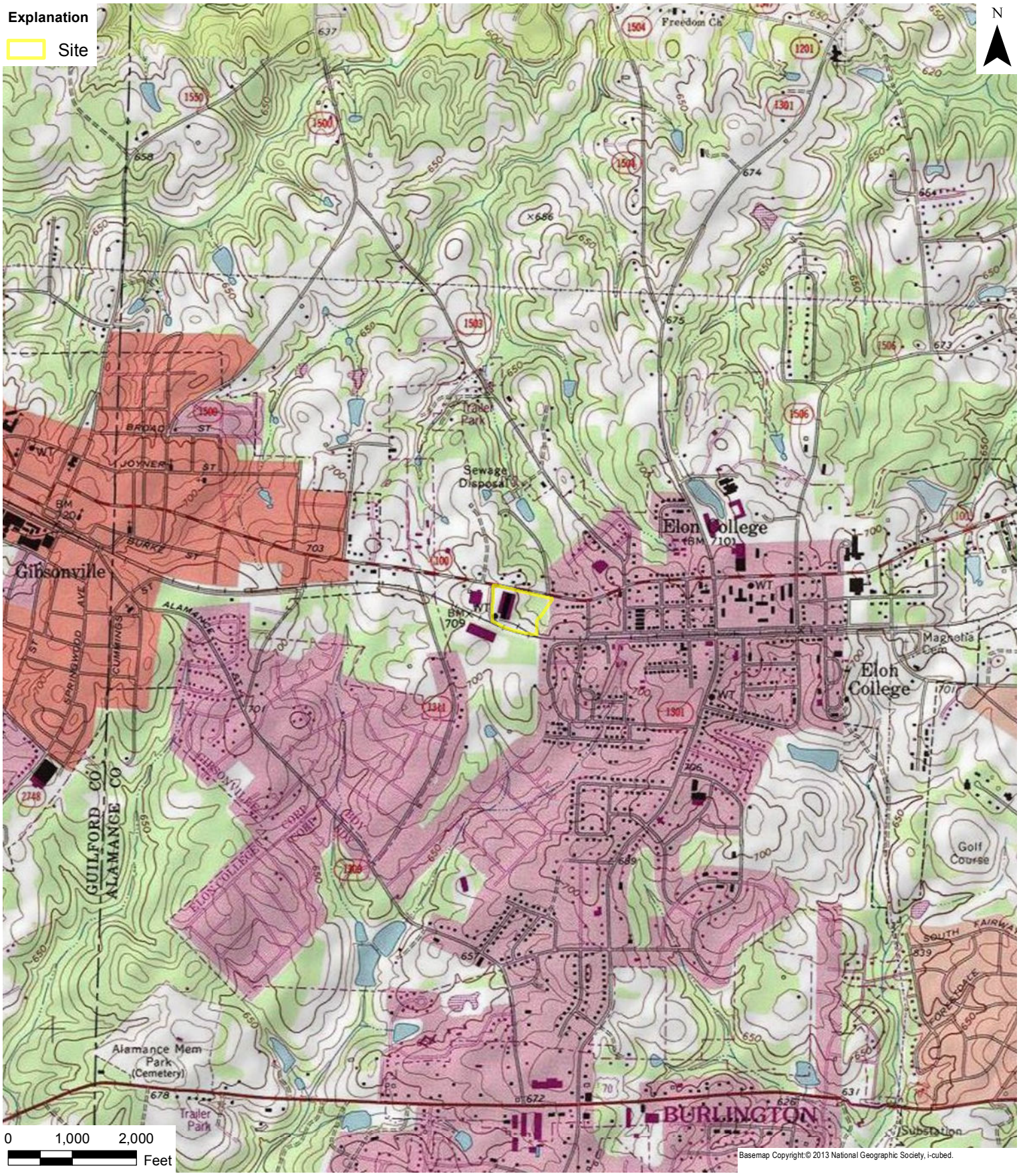
(OFFICIAL SEAL)

My commission expires: 10/27/2017

DEBRA C PRESSLEY
Notary Public
North Carolina
Union County

Document Certification Form No. DC - II
(Revised 8/11)

FIGURES



ERM NC, Inc.

DATE: 8/19/2014	SCALE: AS SHOWN	DRAWN: A Freeman

FILE: T:\Projects A to M\ECI\01 - Elon\6. Maps, Figures, Photographs\ElonGIS\MXD\Figure 1_SLM.mxd

FIGURE 1
Site Location Map
Engineered Controls International, LLC.
100 Rego Drive
Elon, Alamance County, North Carolina

Basemap NC OneMap, NC Center for Geographic Information and Analysis, NC 911 Board.

ERM NC, Inc.

SCALE: AS SHOWN DRAWN: A Freeman DATE: 8/19/2014

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FIGURE 2
Site Map
Engineered Controls International, LLC.
100 Rego Drive
Elon, Alamance County, North Carolina

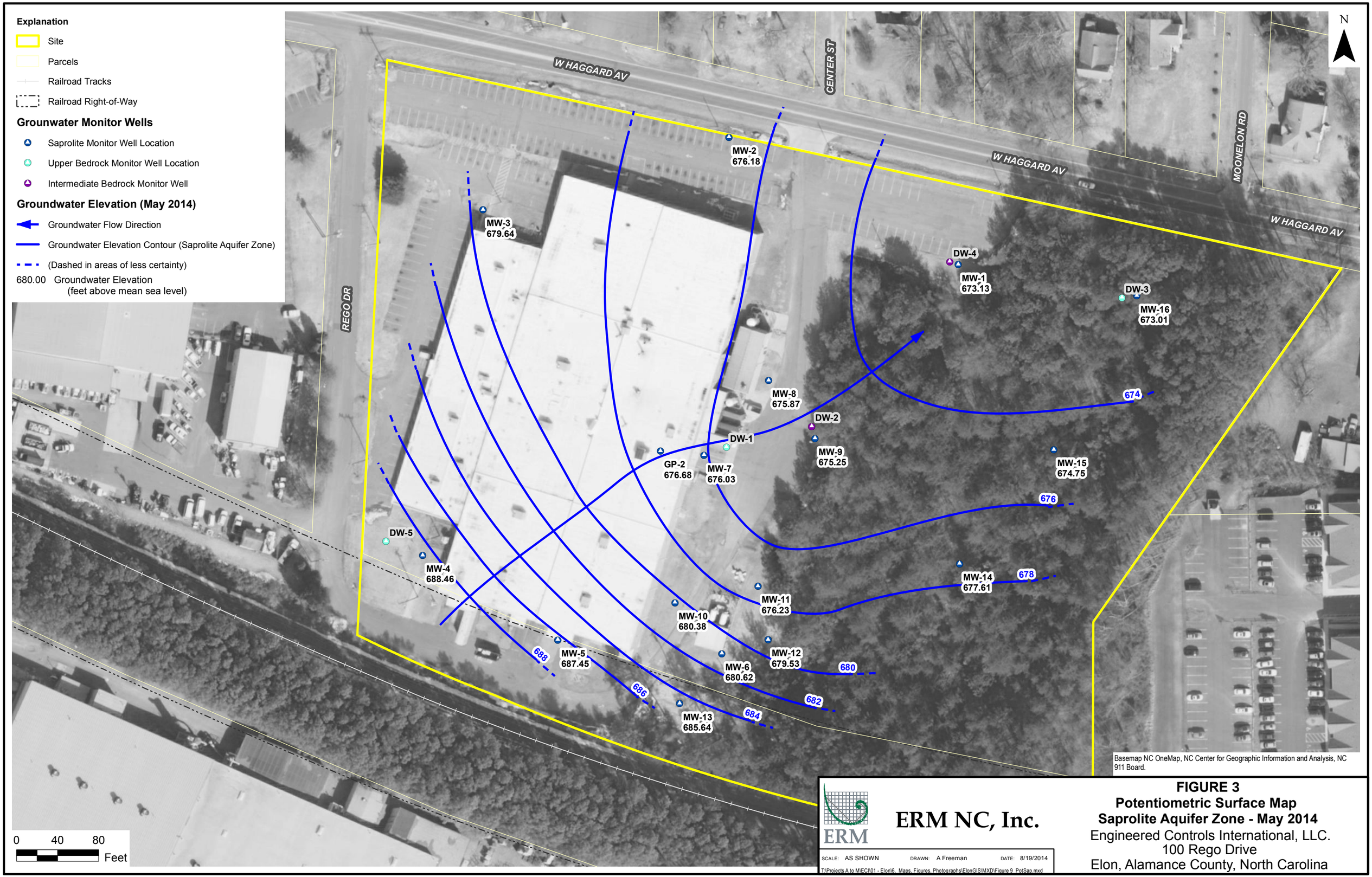

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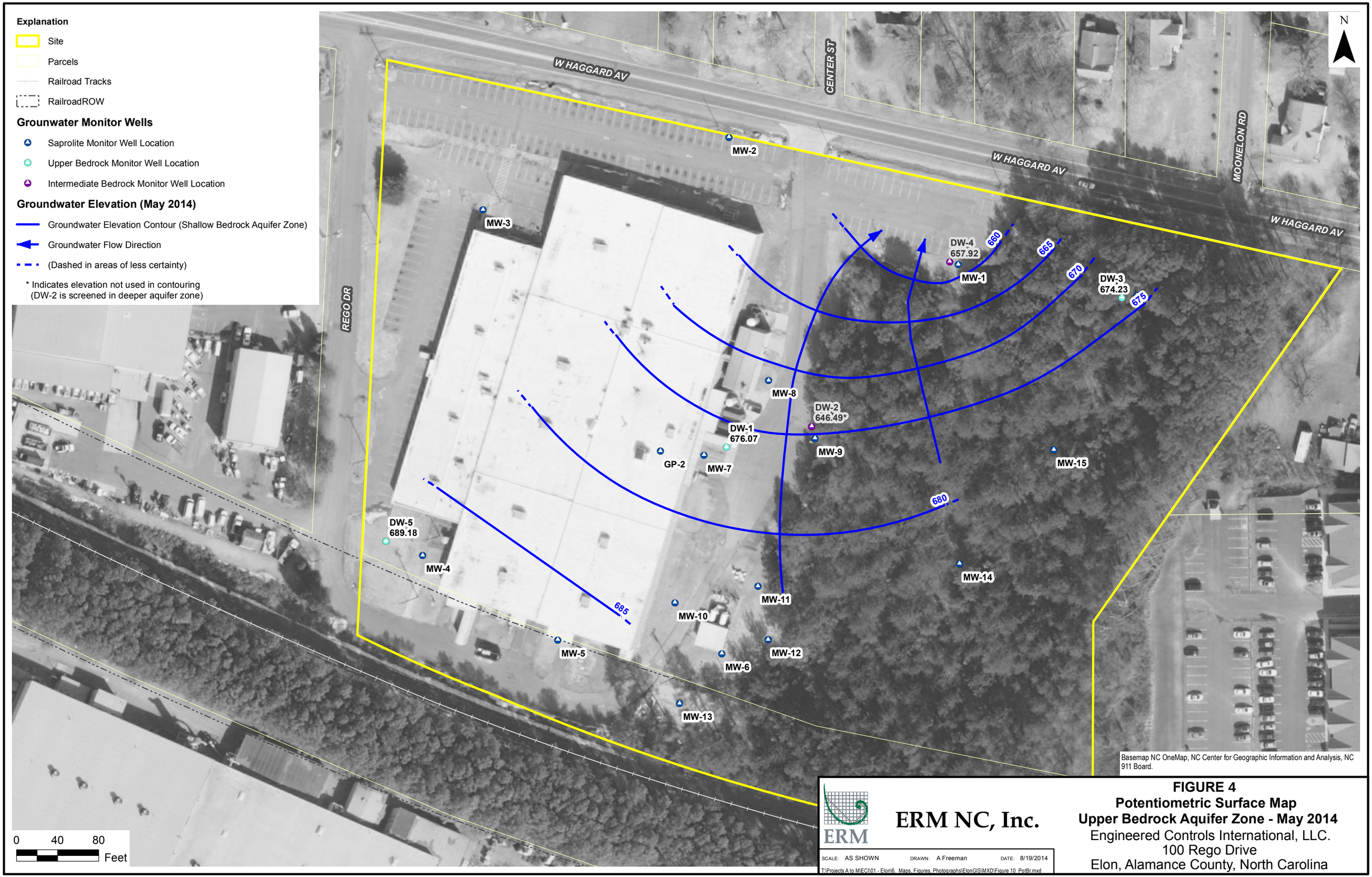
FIGURE 3
Potentiometric Surface Map
Saprolite Aquifer Zone - May 2014
Engineered Controls International, LLC.
100 Rego Drive
Elon, Alamance County, North Carolina



ERM NC, Inc.

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FIGURE 4
Potentiometric Surface Map
Upper Bedrock Aquifer Zone - May 2014
Engineered Controls International, LLC.
100 Rego Drive
Elon, Alamance County, North Carolina

Explanation

Sample Type (Maximum TCE Result in µg/kg)

- Background Soil Sample Location
- Direct Push Soil Sample Location
- Hand Auger Soil Sample Location
- Monitor Well Soil Sample Location
- Lateral Extent of TCE above Site Specific SRG

Concentration of TCE in Soil (µg/kg)

- >1,800 µg/kg TCE
- >180 µg/kg TCE
- >18 µg/kg TCE

Trichloroethene (TCE) concentrations in micrograms per kilogram (µg/kg)

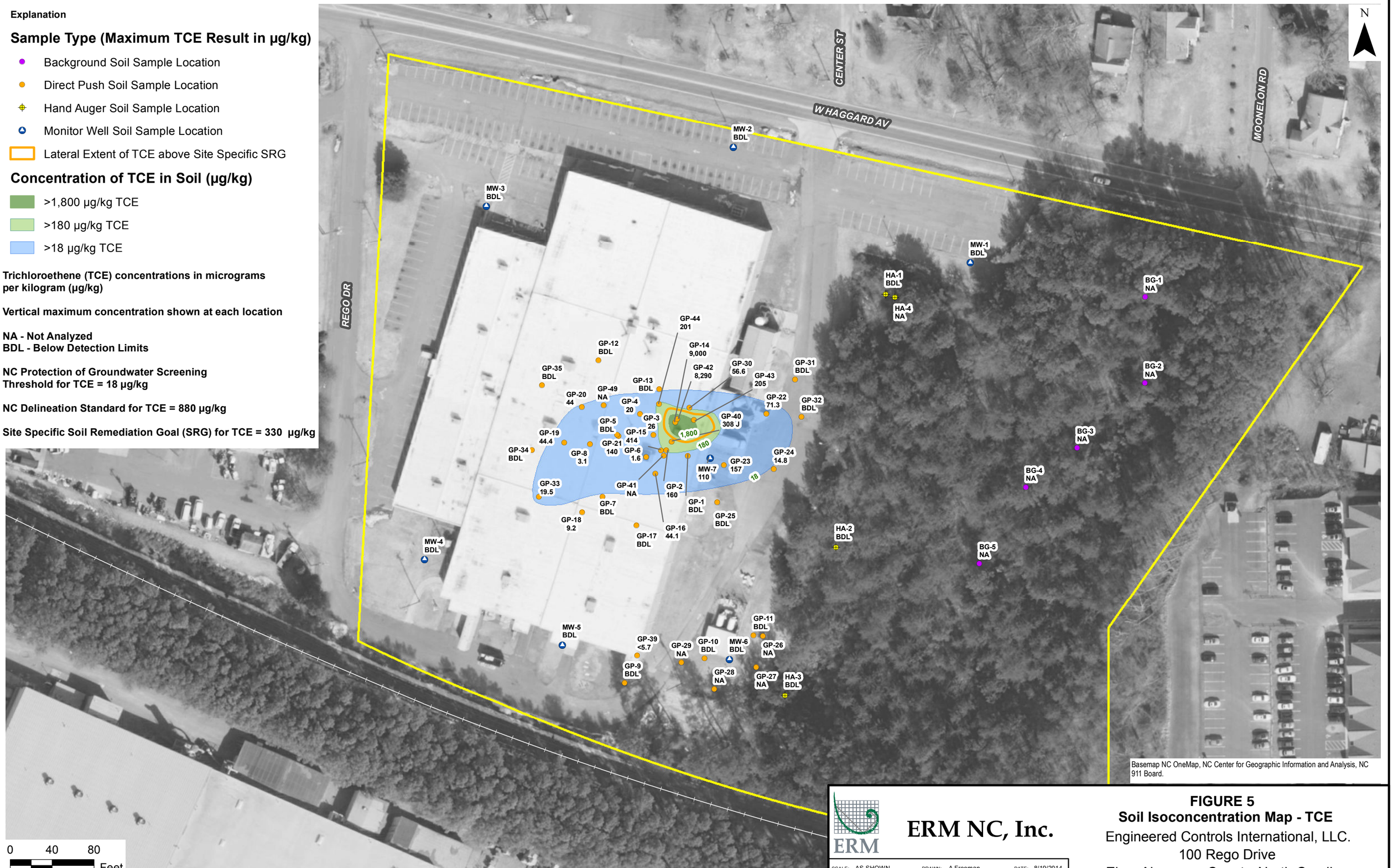
Vertical maximum concentration shown at each location

NA - Not Analyzed
BDL - Below Detection Limits

NC Protection of Groundwater Screening Threshold for TCE = 18 µg/kg

NC Delineation Standard for TCE = 880 µg/kg

Site Specific Soil Remediation Goal (SRG) for TCE = 330 µg/kg



Basemap NC OneMap, NC Center for Geographic Information and Analysis, NC 911 Board.

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ERM NC, Inc.

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FIGURE 5
Soil Isoconcentration Map - TCE
Engineered Controls International, LLC.
100 Rego Drive
Elon, Alamance County, North Carolina

Explanation

- Site
- Parcels
- Railroad Tracks
- Railroad Right-of-Way

Sample ID (TCE Concentration (µg/L)

- Saprolite Monitor Well Location
- Upper Bedrock Well Location
- Intermediate Bedrock Well Location
- Temporary Well Location
- Historical Temporary Well Location

TCE in the Saprolite Aquifer (May 2014)

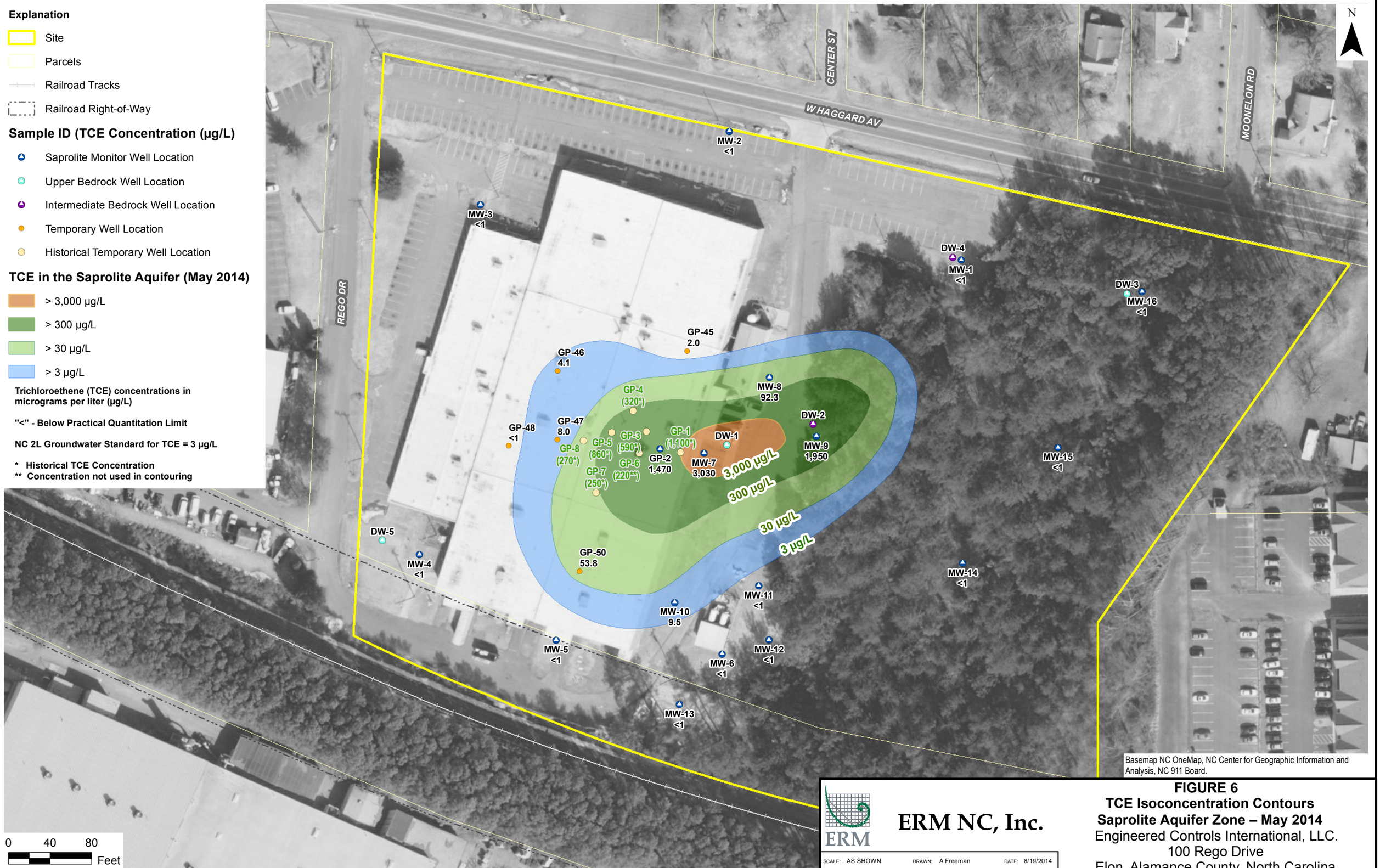
- > 3,000 µg/L
- > 300 µg/L
- > 30 µg/L
- > 3 µg/L

Trichloroethene (TCE) concentrations in micrograms per liter (µg/L)

"<" - Below Practical Quantitation Limit

NC 2L Groundwater Standard for TCE = 3 µg/L

*** Historical TCE Concentration**
**** Concentration not used in contouring**



Basemap NC OneMap, NC Center for Geographic Information and Analysis, NC 911 Board.

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FIGURE 6
TCE Isoconcentration Contours
Saprolite Aquifer Zone – May 2014
Engineered Controls International, LLC.
100 Rego Drive
Elon, Alamance County, North Carolina

Basemap NC OneMap, NC Center for Geographic Information and Analysis, NC 911 Board.

ERM

ERM NC, Inc.

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FIGURE 7
TCE Isoconcentration Contours
Bedrock Aquifer Zone – May 2014
Engineered Controls International, LLC.
100 Rego Drive
Elon, Alamance County, North Carolina

TABLES

TABLE 1. MONITOR WELL CONSTRUCTION AND GROUNDWATER ELEVATION SUMMARY - ECI ELON FACILITY - ELON, NORTH CAROLINA

Well ID	Installation Date	Drilling Method	Well Type	Diameter/ Material/ Casing	Monitored Aquifer Zone	Surface Casing Depth (ft bls)	Total Depth (ft bls)	Screen Interval (ft bls)	Land Surface Elevation (ft msl)	Measuring Point Elevation TOC (ft msl)	Elevation Top of Screen (ft msl)	Elevation Bottom of Screen (ft msl)	Depth to Water (bmp)	Groundwater Elevation	Depth to Water (bmp)	Groundwater Elevation
													May 2013		May 2014	
Deep Wells																
DW-1	11/5-7/2012	HSA/Air Rotary	III	2-in PVC	Upper Bedrock	65	85	75 - 85	707.93	707.68	632.93	622.93	34.67	673.01	31.61	676.07
DW-2	2/14-20/2013	HSA/Air Rotary	III	2-in PVC	Intermediate	100	131	101 - 131	705.31	705.06	604.31	574.31	56.12	648.94	58.57	646.49
DW-2D	10/6-7-2014	HSA/Air Rotary	III	2-in PVC	Lower Bedrock	150	227	217 - 227							70.00	Measured 10/9/2014
DW-3	5/12-14/2014	HSA/Air Rotary	III	2-in PVC	Upper Bedrock	59	80	70 - 80	685.40	688.23	615.4	605.4	NA	NA	14.00	674.23
DW-4	5/14-16-2014	HSA/Air Rotary	III	2-in PVC	Upper Bedrock	60	85	74 - 84	695.75	695.40	621.75	611.75	NA	NM	37.48	657.92
DW-5	5/15-19/2014	HSA/Air Rotary	III	2-in PVC	Upper Bedrock	68	83	73 - 83	711.74	711.38	638.74	628.74	NA	NM	22.20	689.18
Monitor Wells																
GP-2	7/20/2011	Direct Push	II	1-in PVC	Saprolite	--	45	35 - 45	712.52	712.35	677.52	667.52	38.82	673.53	35.67	676.68
MW-1	7/19/2011	Direct Push	II	2-in PVC	Saprolite	--	40	25 - 35	695.42	695.17	670.42	660.42	24.53	670.64	22.04	673.13
MW-2	7/19/2011	Direct Push	II	2-in PVC	Saprolite	--	35	25 - 35	703.33	703.08	678.33	668.33	30.01	673.07	26.90	676.18
MW-3	7/19/2011	Direct Push	II	2-in PVC	Saprolite	--	35	25 - 35	709.34	709.09	684.34	674.34	32.55	676.54	29.45	679.64
MW-4	7/19/2011	Direct Push	II	2-in PVC	Saprolite	--	40	28 - 38	711.79	711.54	683.79	673.79	26.02	685.52	23.08	688.46
MW-5	7/19/2011	Direct Push	II	2-in PVC	Saprolite	--	35	22 - 32	708.93	708.68	686.93	676.93	24.23	684.45	21.23	687.45
MW-6	7/19/2011	Direct Push	II	2-in PVC	Saprolite	--	35	25 - 35	707.28	707.03	682.28	672.28	30.24	676.79	26.41	680.62
MW-7	7/19/2011	Direct Push	II	2-in PVC	Saprolite	--	40	30 - 40	708.29	708.04	678.29	668.29	34.92	673.12	32.01	676.03
MW-8	11/6/2012	Direct Push	II	2-in PVC	Saprolite	--	40	30 - 40	707.49	707.24	677.49	667.49	34.52	672.72	31.37	675.87
MW-9	11/6/2012	Direct Push	II	2-in PVC	Saprolite	--	39	29 - 39	705.22	704.97	676.22	666.22	32.70	672.27	29.72	675.25
MW-10	11/6/2012	Direct Push	II	2-in PVC	Saprolite	--	40	30 - 40	708.79	708.54	678.79	668.79	30.81	677.73	28.16	680.38
MW-11	11/6/2012	Direct Push	II	2-in PVC	Saprolite	--	40	30 - 40	704.05	703.80	674.05	664.05	30.58	673.22	27.57	676.23
MW-12	11/5/2012	Direct Push	II	2-in PVC	Saprolite	--	40	30 - 40	701.05	700.80	671.05	661.05	25.52	675.28	21.27	679.53
MW-13	11/6/2012	Direct Push	II	2-in PVC	Saprolite	--	30	20 - 30	706.91	706.66	686.91	676.91	24.24	682.42	21.02	685.64
MW-14	2/11/2013	Direct Push	II	2-in PVC	Saprolite	--	30	20 - 30	687.41	690.81	667.41	657.41	16.69	674.12	13.20	677.61
MW-15	2/11/2013	Direct Push	II	2-in PVC	Saprolite	--	30	20 - 30	685.10	688.47	665.1	655.1	15.85	672.62	13.72	674.75
MW-16	2/11/2013	Direct Push	II	2-in PVC	Saprolite	--	30	20 - 30	684.91	688.24	664.91	654.91	16.94	671.30	15.23	673.01

Notes:
ft bls = feet below land surface
ft msl = feet above mean sea level
bmp = below monitor point

TABLE 2. SUMMARY OF HISTORICAL GROUNDWATER RESULTS FOR VOCs, SVOCs & TPH - ECI ELON FACILITY - ELON, NORTH CAROLINA

Sample ID	Date	VOCs - Method 5035A/8260B (µg/L)													SVOCs-8270	TPH 8015 & 3546 DRO	
		Total VOCs	Acetone	Bromodichloromethane	Carbon disulfide	Chloroform	cis-1,2-Dichloroethylene	Ethylbenzene	Methyl Tert Butyl Ether	Tetrachloroethylene	Toluene	Trichloroethylene	Xylene (total)	1,4-Dioxane	Total SVOCs	Gasoline Range - GRO (C5 to C9) *	Diesel Range - DRO (C9 to C18)*
NC 2L Groundwater		NE	6000	0.6	700	70	70	600	20	0.7	600	3	500	3	Varies	400	700
DW-1	11/13/12	95.8	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	**95.8**	BDL	NA	BDL	NA	NA
DW-1 (DUP)	11/13/12	96.1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	**96.1**	BDL	NA	BDL	NA	NA
DW-1	05/21/14	103.96	<25	<1	<2	0.33 J	16.4	<1	<1	**1.7**	0.23 J	**85.3**	<2	<1	NA	NA	NA
DW-2	02/20/13	26.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.9	**22.2**	2.4	NA	NA	NA	NA
DW-2 (DUP)	02/20/13	25.2	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.8	**21.2**	2.2	NA	NA	NA	NA
DW-2	03/13/13	47.9	42.7	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	**5.2**	BDL	NA	NA	NA	NA
DW-2 (DUP)	03/13/13	46.1	41	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	**5.1**	BDL	NA	NA	NA	NA
DW-2	05/19/14	52.29	<25	<1	<2	<1	<1	0.37 J	<1	0.56 J	0.22 J	**49.7**	1.44 J	<1	NA	NA	NA
DW-2	06/12/14	57.47	<25	<1	<2	<1	<1	1.1	<1	0.53 J	0.24 J	**50.9**	4.7	NA	NA	NA	NA
DW-3	05/21/14	BDL	<25	<1	<2	<1	<1	<1	<1	<1	<1	<1	<2	<1	NA	NA	NA
DW-3	06/12/14	BDL	<25	<1	<2	<1	<1	<1	<1	<1	<1	<1	<3	NA	NA	NA	NA
DW-4	05/21/14	8.61	<25	<1	<2	<1	<1	<1	<1	<1	<1	**7.6**	1.01 J	<1	NA	NA	NA
DW-4	06/12/14	13.23	<25	<1	0.81 J	<1	<1	0.54 J	<1	<1	<1	**9.8**	2.08 J	NA	NA	NA	NA
DW-5	05/21/14	1.8	<25	<1	<2	1.8	<1	<1	<1	<1	<1	<1	<2	<1	NA	NA	NA
MW-1	06/12/11	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	BDL	NA	NA
MW-1	07/28/11	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	BDL	NA	NA
MW-1	05/20/14	BDL	<25	<1	<2	<1	<1	<1	<1	<1	<1	<1	<2	<1	NA	NA	NA
MW-2	06/12/11	1.7	BDL	BDL	BDL	BDL	BDL	BDL	BDL	**1.7**	BDL	BDL	BDL	NA	21.3	NA	75
MW-2	07/28/11	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	BDL	NA	NA
MW-2	05/19/14	BDL	<25	<1	<2	<1	<1	<1	<1	<1	<1	<1	<2	<1	NA	NA	NA
MW-3	06/12/11	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	14	NA	NA
MW-3	07/28/11	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	BDL	NA	NA
MW-3	05/20/14	BDL	<25	<1	<2	<1	<1	<1	<1	<1	<1	<1	<2	<1	NA	NA	NA
MW-4	06/12/11	13.3	BDL	BDL	BDL	13.3	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	1	BDL	35
MW-4	07/28/11	16	BDL	BDL	BDL	16	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	BDL	NA	NA
MW-4	05/20/14	8.4	<25	<1	<2	8.4	<1	<1	<1	<1	<1	<1	<2	<1	NA	NA	NA
MW-5	06/12/11	1.1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.1	BDL	NA	26	BDL	72
MW-5	07/28/11	1.1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.1	BDL	NA	BDL	NA	NA
MW-5	05/20/14	0.47	<25	<1	<2	<1	<1	<1	<1	<1	<1	<1	<2	0.47 J	NA	NA	NA
MW-6	07/12/11	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	11	BDL	85
MW-6	07/28/11	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	BDL	NA	NA
MW-6	05/19/14	BDL	<25	<1	<2	<1	<1	<1	<1	<1	<1	<1	<2	<1	NA	NA	NA
MW-7	07/28/11	2987	BDL	BDL	BDL	BDL	14	BDL	BDL	**73**	BDL	**2900**	BDL	NA	15	**1200**	91
MW-7	08/12/11	2509.3	BDL	BDL	BDL	3.6	60.5	BDL	BDL	**92.9**	BDL	**2350**	2.3	NA	BDL	**1200**	NA
MW-7	05/22/14	3190.12	<1300	<50	<100	<50	59.6	<50	<50	**99.7**	<50	**3030**	<100	0.82 J	NA	NA	NA
MW-7 (DUP-2)	05/22/14	3126.21	<1300	<50	<100	<50	55.8	<50	<50	**98.7**	10.9 J	**2960**	<100	0.81 J	NA	NA	NA
MW-8	08/12/11	155.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.5	**154**	BDL	NA	BDL	NA	NA
MW-8	05/21/14	94.37	<25	<1	0.5 J	0.35 J	0.49 J	<1	<1	**0.73 J**	<1	**92.3**	<2	<1	NA	NA	NA
MW-9	08/12/11	1615.9	BDL	BDL	BDL	1.4	16	BDL	BDL	**36**	BDL	**1560**	2.5	NA	BDL	NA	NA
MW-9	05/21/14	2007.09	<50	<2	<4	1.2 J	14.7	<2	<2	**39.7**	<2	**1950**	0.97 J	0.52 J	NA	NA	NA
MW-10	11/13/12	33.4	27.9	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	**5.5**	BDL	NA	BDL	NA	NA
MW-10	05/20/14	10.7	<25	<1	<2	<1	<1	<1	<1	<1	<1	**9.5**	0.76 J	0.44 J	NA	NA	NA
DUP-1	05/20/14	9.89	<25	<1	<2	<1	<1	<1	<1	<1	<1	**9.5**	<2	0.39 J	NA		
MW-11	09/12/11	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA
MW-11	05/21/14	BDL	<25	<1	<2	<1	<1	<1	<1	<1	<1	<1	<2	<1	NA	NA	NA
MW-12	09/12/11	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA
MW-12	05/20/14	BDL	<25	<1	<2	<1	<1	<1	<1	<1	<1	<1	<2	<1	NA	NA	NA

TABLE 2. SUMMARY OF HISTORICAL GROUNDWATER RESULTS FOR VOCs, SVOCs & TPH - ECI ELON FACILITY - ELON, NORTH CAROLINA

Sample ID	Date	VOCs - Method 5035A/8260B (µg/L)													SVOCs-8270	TPH 8015 & 3546 DRO	
		Total VOCs	Acetone	Bromodichloromethane	Carbon disulfide	Chloroform	cis-1,2-Dichloroethylene	Ethylbenzene	Methyl Tert Butyl Ether	Tetrachloroethylene	Toluene	Trichloroethylene	Xylene (total)	1,4-Dioxane	Total SVOCs	Gasoline Range - GRO (C5 to C9) *	Diesel Range - DRO (C9 to C18)*
NC 2L Groundwater		NE	6000	0.6	700	70	70	600	20	0.7	600	3	500	3	Varies	400	700
MW-13	09/12/11	BDL	NA	NA		NA	NA	NA		NA	NA	NA	NA	NA	NA	NA	NA
MW-13	05/19/14	BDL	<25	<1	<2	<1	<1	<1	<1	<1	<1	<1	<2	<1	NA	NA	NA
MW-14	02/18/13	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA
MW-14	05/21/14	BDL	<25	<1	<2	<1	<1	<1	<1	<1	<1	<1	<2	<1	NA	NA	NA
MW-15	02/18/13	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA
MW-15	05/21/14	BDL	<25	<1	<2	<1	<1	<1	<1	<1	<1	<1	<2	<1	NA	NA	NA
MW-16	02/18/13	17.8	BDL	BDL	BDL	BDL	BDL	1.3	BDL BD	BDL	6.5	BDL	10	NA	NA	NA	NA
MW-16	03/13/13	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA
MW-16	05/21/14	BDL	<25	<1	<2	<1	<1	<1	<1	<1	<1	<1	<2	<1	NA	NA	NA
GP-1	07/20/11	1154	BDL	BDL	BDL	BDL	BDL	BDL	BDL	**54**	BDL	**1100**	BDL	NA	BDL	**670**	120
GP-2	07/12/11	1274.2	BDL	BDL	BDL	2.6	BDL	BDL	BDL	**81.6**	BDL	**1190**	BDL	NA	1.4	**670**	120
GP-2	07/21/11	1458	BDL	BDL	BDL	BDL	BDL	BDL	BDL	**58**	BDL	**1400**	BDL	NA	BDL	**610**	NA
GP-2	05/22/14	1550.93	<50	<2	<4	3.3	1.5 J	<2	<2	**75.7**	<2	**1470**	<4	0.43 J	NA	NA	NA
GP-3	07/21/11	615	BDL	BDL	BDL	BDL	BDL	BDL	BDL	**25**	BDL	**590**	BDL	NA	5.1	330	12
GP-4	07/22/11	336.4	BDL	BDL	BDL	5.4	BDL	BDL	BDL	**11**	BDL	**320**	BDL	NA	1.6	NA	NA
GP-5	07/22/11	888.1	BDL	**2.1**	BDL	BDL	BDL	BDL	BDL	**26**	BDL	**860**	BDL	NA	1.7	NA	NA
GP-6	07/19/11	225.6	BDL	BDL	BDL	BDL	BDL	BDL	BDL	**5.6**	BDL	**220**	BDL	NA	BDL	NA	NA
GP-7	07/22/11	280	BDL	BDL	BDL	BDL	BDL	BDL	BDL	**30**	BDL	**250**	BDL	NA	BDL	NA	9.6
GP-8	07/22/11	315	BDL	BDL	BDL	BDL	BDL	BDL	BDL	**45**	BDL	**270**	BDL	NA	BDL	95	16
GP-9	07/22/11	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	BDL	BDL	12
GP-10	07/28/11	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	BDL	NA	NA
GP-11	07/28/11	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	BDL	NA	NA
GP-45-41	05/08/14	2.32	<25	<1	<2	<1	<1	<1	<1	<1	0.32 J	2	<2	<1	NA	NA	NA
GP-46-39.5	05/08/14	5	<25	<1	<2	0.62 J	<1	<1	<1	<1	0.28 J	**4.1**	<2	<1	NA	NA	NA
GP-47-39	05/08/14	9.82	<25	<1	<2	1.1	<1	<1	0.47 J	<1	0.25 J	**8**	<2	<1	NA	NA	NA
GP-48-43	05/08/14	4.65	<25	<1	0.33 J	4.1	<1	<1	<1	<1	0.22 J	<1	<2	<1	NA	NA	NA
GP-50-48	05/08/14	55.59	<25	<1	<2	1.3	<1	<1	<1	<1	0.49 J	**53.8**	<2	<1	NA	NA	NA

Notes:
Only detected compounds are listed.
Groundwater criteria are NC2L Standards
BDL: Below Laboratory Detection Limit; NA: Not Analyzed; NE: Not Established
VOCs: Volatile organic compounds; SVOCs: Semi-Volatile organic compounds; TPH: Total Petroleum Hydrocarbons
µg/L = micrograms per liter
Highlighted values exceed NC2L Standards

TABLE 3. SUMMARY OF GROUNDWATER QA/QC SAMPLE RESULTS - ECI ELON FACILITY - ELON, NORTH CAROLINA

Sample ID	Date	Lab Name	QA/QC Sample Description	VOCs - Method 5035A/8260B (µg/l)							Metals - Method 6010B/7471 (mg/l)					
				Acetone	Bromodichloromethane	Carbon disulfide	Chloroform	cis-1,2-Dichloroethylene	Ethylbenzene	Methyl Tert Butyl Ether	Methylene chloride	Tetrachloroethylene	Toluene	Trichloroethylene	Xylene (total)	1,4-Dioxane
Bias Analysis		**Data is considered VALID.**														
RB-1	05/07/14	Accutest	Rinse Blank	<25	<1	<2	<1	<1	<1	<1	2.3 J	<1	0.37 J	<1	<2	<200
EB-1	05/22/14	Accutest	Equipment Blank	<25	<1	<2	<1	<1	<1	<1	<5	<1	0.3 J	<1	<2	<1
TRIP BLANK-2	05/06/14	Accutest	Trip Blank	<25	<1	<2	<1	<1	<1	<1	<5	<1	<1	<1	<2	NA
TRIP BLANK-3	05/08/14	Accutest	Trip Blank	<25	<1	<2	<1	<1	<1	<1	<5	<1	<1	<1	<2	NA
TRIP BLANK	05/19/14	Accutest	Trip Blank	<25	<1	<2	<1	<1	<1	<1	<5	<1	<1	<1	<2	<1
TRIP BLANK	05/21/14	Accutest	Trip Blank	<25	<1	<2	<1	<1	<1	<1	<5	<1	<1	<1	<2	<1
TRIP BLANK	05/22/14	Accutest	Trip Blank	<25	<1	<2	<1	<1	<1	<1	<5	<1	<1	<1	<2	<1
TRIP BLANK	06/12/14	Accutest	Trip Blank	<25	<1	<2	<1	<1	<1	<1	<5	<1	<1	<1	<3	NA

Laboratory QA/QC Exceptions:

Job Number FA15149: (a) Associated BS recovery outside control limits.
(b) No TICs detected.
Job Number FA15824: (a) Associated BS recovery outside control limits.
Job Number FA14906: (a) No TICs detected.
Job Number FA15249: No Exceptions Noted
Job Number FA15195: (a) Associated BS recovery outside control limits.
(a) Field analysis required. Received out of hold time and analyzed by request.
(a) Associated BS recovery outside control limits.
Job Number FA15250: (a) Elevated reporting limit(s) due to matrix interference.
Job Number FA15824: (a) Associated BS recovery outside control limits.

Field QA/QC:

Review of the results of the trip, field, and equipment blank sample analyses indicate no sources of error from the sample collection, handling, and preservation procedures.

Completeness Analysis **Data is considered VALID.**

Review of the dataset for this project indicate that an adequate number of monitoring locations exist to define and monitor the plume. Samples were collected from all active monitoring points containing sufficient groundwater to allow sample collection.

Comparability Analysis **Data is considered VALID.**

Review of the dataset for this project indicate that results for each sample were analyzed using the same methods and are presented using consistent units.

				VOCs - Method 5035A/8260B (µg/l)							Metals - Method 6010B/7471 (mg/l)					
Precision Analysis		**Data is considered VALID.**														
MW-7	05/22/14	Shealy	Sample	<1300	<50	<100	<50	59.6	<50	<50	<250	99.7	<50	3030	<100	0.82 J
DUP-2	05/22/14	Shealy	Sample Duplicate	<1300	<50	<100	<50	55.8	<50	<50	<250	98.7	10.9 J	2960	<100	0.81 J
Dup-2 Analysis			*Calculated RPD*	---	---	---	---	*7%*	---	---	---	*1%*	---	*2%*	---	*1%*
MW-10	05/20/14	Shealy	Sample	<25	<1	<2	<1	<1	<1	<1	<5	<1	<1	9.5	0.76 J	0.44 J
DUP-1	05/20/14	Shealy	Sample Duplicate	<25	<1	<2	<1	<1	<1	<1	<5	<1	<1	9.5	<2	0.39 J
Dup-1 Analysis			*Calculated RPD*	---	---	---	---	---	---	---	---	---	---	*0%*	---	*12%*

Calculated RPDs ≤20 are preferred. The data is considered valid.

Sensitivity Analysis **Data is considered VALID.**

Detection Limits	May-13	Shealy	All Samples (Max detection limit)

The detection limits listed for each analyte are less than or equal to the respective applicable regulatory limit, unless dilution of samples was necessary.

Notes:
RPD = Relative Percent Difference
NA = Not Analyzed

LABORATORY REPORTS

Southeast ACCUTEST LABORATORIES

08/12/14

Technical Report for

ERM

ECI; 100 Rego Dr, Elon, NC

Accutest Job Number: FA14744

Sampling Date: 05/05/14

Report to:

ERM

Robert.Laumann@erm.com

ATTN: Robert Laumann

Total number of pages in report: **54**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Norm Farmer
Technical Director

Client Service contact: Jean Dent-Smith 407-425-6700

Certifications: FL (E83510), LA (03051), KS (E-10327), IA (366), IL (200063), NC (573), NJ (FL002), SC (96038001) DoD ELAP (L-A-B L2229), CA (04226CA), TX (T104704404), PA (68-03573), VA (460177), AK, AR, GA, KY, MA, NV, OK, UT, WA

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Test results relate only to samples analyzed.

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Sample Summary

ERM

ECI; 100 Rego Dr, Elon, NC

Job No: FA14744

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
FA14744-1	05/05/14	14:45	GK	05/06/14	SO	Soil	GP-39-2-3
FA14744-2	05/05/14	15:15	GK	05/06/14	SO	Soil	GP-39-10-11

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Summary of Hits

Job Number: FA14744
Account: ERM
Project: ECI; 100 Rego Dr, Elon, NC
Collected: 05/05/14

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FA14744-1	**GP-39-2-3**					
Acetone		31.1 J	57	17	ug/kg	SW846 8260B
Total TIC, Semi-Volatile		3300 J			ug/kg	
Arsenic [a]		0.40 B	1.1	0.22	mg/kg	SW846 6010C
Beryllium		0.20 B	0.27	0.027	mg/kg	SW846 6010C
Cadmium [a]		0.060 B	0.44	0.054	mg/kg	SW846 6010C
Chromium [a]		29.0	1.1	0.11	mg/kg	SW846 6010C
Copper [a]		14.9	2.7	0.11	mg/kg	SW846 6010C
Lead [a]		9.0	2.2	0.17	mg/kg	SW846 6010C
Manganese [a]		76.2	1.6	0.054	mg/kg	SW846 6010C
Mercury		0.10	0.051	0.0051	mg/kg	SW846 7471B
Nickel [a]		3.4 B	4.4	0.054	mg/kg	SW846 6010C
Silver [a]		0.10 B	1.1	0.071	mg/kg	SW846 6010C
Zinc [b]		9.0	2.2	0.33	mg/kg	SW846 6010C
FA14744-2	**GP-39-10-11**					
Total TIC, Semi-Volatile		4400 J			ug/kg	

(a) Elevated reporting limit(s) due to matrix interference.
(b) Elevated reporting limit(s) due to matrix interference. Manually elevated.

Southeast ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	GP-39-2-3		
Lab Sample ID:	FA14744-1	**Date Sampled:**	05/05/14
Matrix:	SO - Soil	**Date Received:**	05/06/14
Method:	SW846 8260B	**Percent Solids:**	78.5
Project:	ECI; 100 Rego Dr, Elon, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C098255.D	1	05/06/14	AH	n/a	n/a	VC3939
Run #2							

	Initial Weight
Run #1	5.61 g
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	31.1	57	17	ug/kg	J
107-02-8	Acrolein	ND	28	12	ug/kg	
107-13-1	Acrylonitrile	ND	28	8.8	ug/kg	
71-43-2	Benzene	ND	5.7	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.7	1.2	ug/kg	
74-97-5	Bromochloromethane	ND	5.7	2.2	ug/kg	
75-27-4	Bromodichloromethane	ND	5.7	1.1	ug/kg	
75-25-2	Bromoform	ND	5.7	1.2	ug/kg	
104-51-8	n-Butylbenzene	ND	5.7	1.1	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.7	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.7	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.7	1.1	ug/kg	
75-00-3	Chloroethane	ND	5.7	2.6	ug/kg	
67-66-3	Chloroform	ND	5.7	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.7	1.1	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.7	1.1	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	28	11	ug/kg	
75-15-0	Carbon disulfide	ND	5.7	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.7	1.6	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.7	1.1	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.7	1.1	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.7	1.3	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.7	2.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.7	2.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.7	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.7	1.1	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.7	1.1	ug/kg	
123-91-1	1,4-Dioxane	ND	230	60	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.7	1.6	ug/kg	
124-48-1	Dibromochloromethane	ND	5.7	1.1	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.7	1.4	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.7	1.1	ug/kg	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GP-39-2-3		
Lab Sample ID:	FA14744-1	**Date Sampled:**	05/05/14
Matrix:	SO - Soil	**Date Received:**	05/06/14
Method:	SW846 8260B	**Percent Solids:**	78.5
Project:	ECI; 100 Rego Dr, Elon, NC		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-01-5	cis-1,3-Dichloropropene	ND	5.7	1.1	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.7	1.1	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.7	1.1	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.7	1.3	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.7	1.5	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.7	1.1	ug/kg	
100-41-4	Ethylbenzene	ND	5.7	1.1	ug/kg	
591-78-6	2-Hexanone	ND	28	5.6	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.7	1.1	ug/kg	
98-82-8	Isopropylbenzene	ND	5.7	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.7	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	28	5.7	ug/kg	
74-83-9	Methyl bromide	ND	5.7	2.1	ug/kg	
74-87-3	Methyl chloride	ND	5.7	2.3	ug/kg	
74-95-3	Methylene bromide	ND	5.7	1.3	ug/kg	
75-09-2	Methylene chloride	ND	11	4.5	ug/kg	
78-93-3	Methyl ethyl ketone	ND	28	8.5	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.7	1.1	ug/kg	
91-20-3	Naphthalene	ND	5.7	2.3	ug/kg	
103-65-1	n-Propylbenzene	ND	5.7	1.1	ug/kg	
100-42-5	Styrene	ND	5.7	1.1	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.7	1.2	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.7	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.7	1.6	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.7	1.8	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.7	1.4	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.7	2.1	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.7	1.3	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	5.7	1.1	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.7	1.1	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.7	1.4	ug/kg	
108-88-3	Toluene	ND	5.7	1.1	ug/kg	
79-01-6	Trichloroethylene	ND	5.7	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.7	1.1	ug/kg	
75-01-4	Vinyl chloride	ND	5.7	1.2	ug/kg	
108-05-4	Vinyl Acetate	ND	28	9.1	ug/kg	
	m,p-Xylene	ND	11	1.8	ug/kg	
95-47-6	o-Xylene	ND	5.7	1.2	ug/kg	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GP-39-2-3		
Lab Sample ID:	FA14744-1	**Date Sampled:**	05/05/14
Matrix:	SO - Soil	**Date Received:**	05/06/14
Method:	SW846 8260B	**Percent Solids:**	78.5
Project:	ECI; 100 Rego Dr, Elon, NC		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	108%		75-124%
2037-26-5	Toluene-D8	100%		75-126%
460-00-4	4-Bromofluorobenzene	101%		71-133%
17060-07-0	1,2-Dichloroethane-D4	107%		72-135%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile [a]		0	ug/kg	

(a) No TICs detected.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GP-39-2-3		
Lab Sample ID:	FA14744-1	**Date Sampled:**	05/05/14
Matrix:	SO - Soil	**Date Received:**	05/06/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	78.5
Project:	ECI; 100 Rego Dr, Elon, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X034834.D	1	05/14/14	MV	05/08/14	OP51541	SX1630
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

ABN Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	1100	210	ug/kg	
95-57-8	2-Chlorophenol	ND	210	21	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	210	21	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	210	22	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	210	23	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	1100	210	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	420	85	ug/kg	
95-48-7	2-Methylphenol	ND	210	21	ug/kg	
	3&4-Methylphenol	ND	210	42	ug/kg	
88-75-5	2-Nitrophenol	ND	210	21	ug/kg	
100-02-7	4-Nitrophenol	ND	1100	170	ug/kg	
87-86-5	Pentachlorophenol	ND	1100	170	ug/kg	
108-95-2	Phenol	ND	210	21	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	210	27	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	210	21	ug/kg	
83-32-9	Acenaphthene	ND	210	27	ug/kg	
208-96-8	Acenaphthylene	ND	210	21	ug/kg	
62-53-3	Aniline	ND	210	21	ug/kg	
120-12-7	Anthracene	ND	210	21	ug/kg	
92-87-5	Benzidine	ND	2100	420	ug/kg	
56-55-3	Benzo(a)anthracene	ND	210	21	ug/kg	
50-32-8	Benzo(a)pyrene	ND	210	21	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	210	21	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	210	21	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	210	23	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	210	21	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	210	42	ug/kg	
100-51-6	Benzyl Alcohol	ND	210	21	ug/kg	
91-58-7	2-Chloronaphthalene	ND	210	25	ug/kg	
106-47-8	4-Chloroaniline	ND	210	21	ug/kg	
86-74-8	Carbazole	ND	210	21	ug/kg	
218-01-9	Chrysene	ND	210	21	ug/kg	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GP-39-2-3		
Lab Sample ID:	FA14744-1	**Date Sampled:**	05/05/14
Matrix:	SO - Soil	**Date Received:**	05/06/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	78.5
Project:	ECI; 100 Rego Dr, Elon, NC		

ABN Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
111-91-1	bis(2-Chloroethoxy)methane	ND	210	21	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	210	21	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	210	22	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	210	32	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	210	21	ug/kg	
122-66-7	1,2-Diphenylhydrazine	ND	210	24	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	210	21	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	210	21	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	210	24	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	210	23	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	210	21	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	210	21	ug/kg	
132-64-9	Dibenzofuran	ND	210	21	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	420	42	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	210	42	ug/kg	
84-66-2	Diethyl phthalate	ND	420	42	ug/kg	
131-11-3	Dimethyl phthalate	ND	210	42	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	420	42	ug/kg	
206-44-0	Fluoranthene	ND	210	21	ug/kg	
86-73-7	Fluorene	ND	210	21	ug/kg	
118-74-1	Hexachlorobenzene	ND	210	21	ug/kg	
87-68-3	Hexachlorobutadiene	ND	210	21	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	210	21	ug/kg	
67-72-1	Hexachloroethane	ND	210	21	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	210	21	ug/kg	
78-59-1	Isophorone	ND	210	21	ug/kg	
90-12-0	1-Methylnaphthalene	ND	210	21	ug/kg	
91-57-6	2-Methylnaphthalene	ND	210	21	ug/kg	
88-74-4	2-Nitroaniline	ND	210	42	ug/kg	
99-09-2	3-Nitroaniline	ND	210	42	ug/kg	
100-01-6	4-Nitroaniline	ND	210	42	ug/kg	
91-20-3	Naphthalene	ND	210	21	ug/kg	
98-95-3	Nitrobenzene	ND	210	21	ug/kg	
62-75-9	N-Nitrosodimethylamine	ND	210	25	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	210	21	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	210	21	ug/kg	
85-01-8	Phenanthrene	ND	210	21	ug/kg	
129-00-0	Pyrene	ND	210	21	ug/kg	
110-86-1	Pyridine	ND	420	42	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	210	21	ug/kg	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GP-39-2-3		
Lab Sample ID:	FA14744-1	**Date Sampled:**	05/05/14
Matrix:	SO - Soil	**Date Received:**	05/06/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	78.5
Project:	ECI; 100 Rego Dr, Elon, NC		

ABN Full List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	60%		40-102%
4165-62-2	Phenol-d5	60%		41-100%
118-79-6	2,4,6-Tribromophenol	70%		42-108%
4165-60-0	Nitrobenzene-d5	61%		40-105%
321-60-8	2-Fluorobiphenyl	62%		43-107%
1718-51-0	Terphenyl-d14	84%		45-119%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	2.51	3300	ug/kg	JN
	Total TIC, Semi-Volatile		3300	ug/kg	J

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GP-39-2-3		
Lab Sample ID:	FA14744-1	**Date Sampled:**	05/05/14
Matrix:	SO - Soil	**Date Received:**	05/06/14
		Percent Solids:	78.5
Project:	ECI; 100 Rego Dr, Elon, NC		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Antimony [a]	0.22 U	2.2	0.22	mg/kg	2	05/09/14	05/13/14	LM	SW846 6010C [3]	SW846 3050B [5]
Arsenic [a]	0.40 B	1.1	0.22	mg/kg	2	05/09/14	05/13/14	LM	SW846 6010C [3]	SW846 3050B [5]
Beryllium	0.20 B	0.27	0.027	mg/kg	1	05/09/14	05/12/14	LM	SW846 6010C [2]	SW846 3050B [5]
Cadmium [a]	0.060 B	0.44	0.054	mg/kg	2	05/09/14	05/13/14	LM	SW846 6010C [3]	SW846 3050B [5]
Chromium [a]	29.0	1.1	0.11	mg/kg	2	05/09/14	05/13/14	LM	SW846 6010C [3]	SW846 3050B [5]
Copper [a]	14.9	2.7	0.11	mg/kg	2	05/09/14	05/13/14	LM	SW846 6010C [3]	SW846 3050B [5]
Lead [a]	9.0	2.2	0.17	mg/kg	2	05/09/14	05/13/14	LM	SW846 6010C [3]	SW846 3050B [5]
Manganese [a]	76.2	1.6	0.054	mg/kg	2	05/09/14	05/13/14	LM	SW846 6010C [3]	SW846 3050B [5]
Mercury	0.10	0.051	0.0051	mg/kg	1	05/08/14	05/08/14	JL	SW846 7471B [1]	SW846 7471B [4]
Nickel [a]	3.4 B	4.4	0.054	mg/kg	2	05/09/14	05/13/14	LM	SW846 6010C [3]	SW846 3050B [5]
Selenium [a]	0.33 U	2.2	0.33	mg/kg	2	05/09/14	05/13/14	LM	SW846 6010C [3]	SW846 3050B [5]
Silver [a]	0.10 B	1.1	0.071	mg/kg	2	05/09/14	05/13/14	LM	SW846 6010C [3]	SW846 3050B [5]
Thallium [b]	1.6 U	2.2	1.6	mg/kg	2	05/09/14	05/13/14	LM	SW846 6010C [3]	SW846 3050B [5]
Zinc [b]	9.0	2.2	0.33	mg/kg	2	05/09/14	05/13/14	LM	SW846 6010C [3]	SW846 3050B [5]

(1) Instrument QC Batch: MA11584
(2) Instrument QC Batch: MA11592
(3) Instrument QC Batch: MA11594
(4) Prep QC Batch: MP27229
(5) Prep QC Batch: MP27241

(a) Elevated reporting limit(s) due to matrix interference.
(b) Elevated reporting limit(s) due to matrix interference. Manually elevated.

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	GP-39-10-11		
Lab Sample ID:	FA14744-2	**Date Sampled:**	05/05/14
Matrix:	SO - Soil	**Date Received:**	05/06/14
Method:	SW846 8260B	**Percent Solids:**	73.6
Project:	ECI; 100 Rego Dr, Elon, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C098256.D	1	05/06/14	AH	n/a	n/a	VC3939
Run #2							

	Initial Weight
Run #1	6.08 g
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	56	17	ug/kg	
107-02-8	Acrolein	ND	28	12	ug/kg	
107-13-1	Acrylonitrile	ND	28	8.7	ug/kg	
71-43-2	Benzene	ND	5.6	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.6	1.2	ug/kg	
74-97-5	Bromochloromethane	ND	5.6	2.1	ug/kg	
75-27-4	Bromodichloromethane	ND	5.6	1.1	ug/kg	
75-25-2	Bromoform	ND	5.6	1.2	ug/kg	
104-51-8	n-Butylbenzene	ND	5.6	1.1	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.6	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.6	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.6	1.1	ug/kg	
75-00-3	Chloroethane	ND	5.6	2.5	ug/kg	
67-66-3	Chloroform	ND	5.6	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.6	1.1	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.6	1.1	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	28	11	ug/kg	
75-15-0	Carbon disulfide	ND	5.6	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.6	1.6	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.6	1.1	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.6	1.1	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.6	1.2	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.6	2.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.6	2.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.6	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.6	1.1	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.6	1.1	ug/kg	
123-91-1	1,4-Dioxane	ND	220	59	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.6	1.6	ug/kg	
124-48-1	Dibromochloromethane	ND	5.6	1.1	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.6	1.4	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.6	1.1	ug/kg	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GP-39-10-11		
Lab Sample ID:	FA14744-2	**Date Sampled:**	05/05/14
Matrix:	SO - Soil	**Date Received:**	05/06/14
Method:	SW846 8260B	**Percent Solids:**	73.6
Project:	ECI; 100 Rego Dr, Elon, NC		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-01-5	cis-1,3-Dichloropropene	ND	5.6	1.1	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.6	1.1	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.6	1.1	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.6	1.3	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.6	1.5	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.6	1.1	ug/kg	
100-41-4	Ethylbenzene	ND	5.6	1.1	ug/kg	
591-78-6	2-Hexanone	ND	28	5.5	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.6	1.1	ug/kg	
98-82-8	Isopropylbenzene	ND	5.6	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.6	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	28	5.6	ug/kg	
74-83-9	Methyl bromide	ND	5.6	2.1	ug/kg	
74-87-3	Methyl chloride	ND	5.6	2.2	ug/kg	
74-95-3	Methylene bromide	ND	5.6	1.3	ug/kg	
75-09-2	Methylene chloride	ND	11	4.5	ug/kg	
78-93-3	Methyl ethyl ketone	ND	28	8.4	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.6	1.1	ug/kg	
91-20-3	Naphthalene	ND	5.6	2.2	ug/kg	
103-65-1	n-Propylbenzene	ND	5.6	1.1	ug/kg	
100-42-5	Styrene	ND	5.6	1.1	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.6	1.2	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.6	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.6	1.6	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.6	1.8	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.6	1.3	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.6	2.1	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.6	1.3	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	5.6	1.1	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.6	1.1	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.6	1.4	ug/kg	
108-88-3	Toluene	ND	5.6	1.1	ug/kg	
79-01-6	Trichloroethylene	ND	5.6	1.1	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.6	1.1	ug/kg	
75-01-4	Vinyl chloride	ND	5.6	1.1	ug/kg	
108-05-4	Vinyl Acetate	ND	28	9.0	ug/kg	
	m,p-Xylene	ND	11	1.8	ug/kg	
95-47-6	o-Xylene	ND	5.6	1.2	ug/kg	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GP-39-10-11		
Lab Sample ID:	FA14744-2	**Date Sampled:**	05/05/14
Matrix:	SO - Soil	**Date Received:**	05/06/14
Method:	SW846 8260B	**Percent Solids:**	73.6
Project:	ECI; 100 Rego Dr, Elon, NC		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		75-124%
2037-26-5	Toluene-D8	102%		75-126%
460-00-4	4-Bromofluorobenzene	101%		71-133%
17060-07-0	1,2-Dichloroethane-D4	105%		72-135%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile [a]		0	ug/kg	

(a) No TICs detected.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GP-39-10-11		
Lab Sample ID:	FA14744-2	**Date Sampled:**	05/05/14
Matrix:	SO - Soil	**Date Received:**	05/06/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	73.6
Project:	ECI; 100 Rego Dr, Elon, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X034835.D	1	05/14/14	MV	05/08/14	OP51541	SX1630
Run #2							

	Initial Weight	Final Volume
Run #1	29.7 g	1.0 ml
Run #2		

ABN Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	1100	230	ug/kg	
95-57-8	2-Chlorophenol	ND	230	23	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	230	23	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	230	24	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	230	25	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	1100	230	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	460	91	ug/kg	
95-48-7	2-Methylphenol	ND	230	23	ug/kg	
	3&4-Methylphenol	ND	230	46	ug/kg	
88-75-5	2-Nitrophenol	ND	230	23	ug/kg	
100-02-7	4-Nitrophenol	ND	1100	180	ug/kg	
87-86-5	Pentachlorophenol	ND	1100	180	ug/kg	
108-95-2	Phenol	ND	230	23	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	230	30	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	230	23	ug/kg	
83-32-9	Acenaphthene	ND	230	29	ug/kg	
208-96-8	Acenaphthylene	ND	230	23	ug/kg	
62-53-3	Aniline	ND	230	23	ug/kg	
120-12-7	Anthracene	ND	230	23	ug/kg	
92-87-5	Benzidine	ND	2300	460	ug/kg	
56-55-3	Benzo(a)anthracene	ND	230	23	ug/kg	
50-32-8	Benzo(a)pyrene	ND	230	23	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	230	23	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	230	23	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	230	25	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	230	23	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	230	46	ug/kg	
100-51-6	Benzyl Alcohol	ND	230	23	ug/kg	
91-58-7	2-Chloronaphthalene	ND	230	27	ug/kg	
106-47-8	4-Chloroaniline	ND	230	23	ug/kg	
86-74-8	Carbazole	ND	230	23	ug/kg	
218-01-9	Chrysene	ND	230	23	ug/kg	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GP-39-10-11		
Lab Sample ID:	FA14744-2	**Date Sampled:**	05/05/14
Matrix:	SO - Soil	**Date Received:**	05/06/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	73.6
Project:	ECI; 100 Rego Dr, Elon, NC		

ABN Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
111-91-1	bis(2-Chloroethoxy)methane	ND	230	23	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	230	23	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	230	24	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	230	34	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	230	23	ug/kg	
122-66-7	1,2-Diphenylhydrazine	ND	230	26	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	230	23	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	230	23	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	230	26	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	230	25	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	230	23	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	230	23	ug/kg	
132-64-9	Dibenzofuran	ND	230	23	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	460	46	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	230	46	ug/kg	
84-66-2	Diethyl phthalate	ND	460	46	ug/kg	
131-11-3	Dimethyl phthalate	ND	230	46	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	460	46	ug/kg	
206-44-0	Fluoranthene	ND	230	23	ug/kg	
86-73-7	Fluorene	ND	230	23	ug/kg	
118-74-1	Hexachlorobenzene	ND	230	23	ug/kg	
87-68-3	Hexachlorobutadiene	ND	230	23	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	230	23	ug/kg	
67-72-1	Hexachloroethane	ND	230	23	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	230	23	ug/kg	
78-59-1	Isophorone	ND	230	23	ug/kg	
90-12-0	1-Methylnaphthalene	ND	230	23	ug/kg	
91-57-6	2-Methylnaphthalene	ND	230	23	ug/kg	
88-74-4	2-Nitroaniline	ND	230	46	ug/kg	
99-09-2	3-Nitroaniline	ND	230	46	ug/kg	
100-01-6	4-Nitroaniline	ND	230	46	ug/kg	
91-20-3	Naphthalene	ND	230	23	ug/kg	
98-95-3	Nitrobenzene	ND	230	23	ug/kg	
62-75-9	N-Nitrosodimethylamine	ND	230	27	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	230	23	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	230	23	ug/kg	
85-01-8	Phenanthrene	ND	230	23	ug/kg	
129-00-0	Pyrene	ND	230	23	ug/kg	
110-86-1	Pyridine	ND	460	46	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	230	23	ug/kg	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GP-39-10-11		
Lab Sample ID:	FA14744-2	**Date Sampled:**	05/05/14
Matrix:	SO - Soil	**Date Received:**	05/06/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	73.6
Project:	ECI; 100 Rego Dr, Elon, NC		

ABN Full List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	54%		40-102%
4165-62-2	Phenol-d5	55%		41-100%
118-79-6	2,4,6-Tribromophenol	61%		42-108%
4165-60-0	Nitrobenzene-d5	56%		40-105%
321-60-8	2-Fluorobiphenyl	57%		43-107%
1718-51-0	Terphenyl-d14	77%		45-119%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	2.51	4400	ug/kg	JN
	Total TIC, Semi-Volatile		4400	ug/kg	J

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Southeast ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

ACCUTEST LABORATORIES

Accutest Laboratories Southeast
Chain of Custody

4405 Vineland Road, Suite C-15 Orlando, Fl 32811
TEL. 407-425-6700 • FAX: 407-425-0707
www.accutest.com

Accutest JOB # FA 14744

PAGE 1 OF 1

Accutest Quote # | SKIFF#

Client / Reporting Information

Company Name: ERM
Address: 1130 Situs Ct. Suite 250
City: Raleigh State: NC Zip: 27606
Project Contact: Lane.Dorman@erm.com
Phone#: 919-233-4501
Sampler(s) Name(s) (Printed): G. Kanellis

Project Information

Project Name: ECI Elon
Street: 100 Rego Dr
City: Elon State: NC
Project #:
Fax #:
Client Purchase Order #:

Analytical Information

Accutest Sample #	Field ID / Point of Collection	Date	Time	Sampled By	Matrix	Total # of Bottles	Other	None	HCl	NaOH	HNO3	H2SO4	NaOH+ZnAc	DI Water	MeOH	VOCs 8260 + 10 TICs	1,4 Dioxane 8260 SIM	HSL metals *	SVOC 8270 + 10 TICs
1	GP-39-2-3	5/6/14	1445	GK	SO	5		2						1	2	X	X	X	X
2	GP-39-10-11	5/6/14	1515	GK	SO	5		2						1	2	X	X	X	X

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe

LAB USE ONLY

TURNAROUND TIME (Business Days)

Approved By: / Rush Code

- [x] 10 Days Standard
- [ ] 7 Day RUSH
- [ ] 5 Day RUSH
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY
- [ ] OTHER

Emergency or Rush T/A Data Available VIA Email or Lablink

Data Deliverable Information

- [ ] COMMERCIAL "A" (RESULTS ONLY)
- [x] COMMERCIAL "B" (RESULTS PLUS QC)
- [ ] REDT1 (EPA LEVEL 3)
- [ ] FULT1 (EPA LEVEL 4)
- [ ] EDD'S

RALEIGH, NC

SVC CENTER

Comments / Remarks

* Hold HSL metals analysis on GP-39-10-11 pending GP-39-2-3 results and ERM approval

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
1	5/6/14 1700	2	3		4
Relinquished by: 5 FO 05-06-14	Date Time: 945	Received By: 6	Relinquished by: 7	Date Time:	Received By: 8

Lab Use Only: Custody Seal in Place: Y N Temp Blank Provided: Y N Preserved where Applicable: Y N Total # of Coolers: Cooler Temperature (s) Celsius: 2.4

FA14744: Chain of Custody
Page 1 of 3

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: FA14744 CLIENT: ERM PROJECT: ECI ELOW

DATE/TIME RECEIVED: 050614 945 {MM/DD/YY 24:00} NUMBER OF COOLERS RECEIVED: 1

METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 7987 5730 5316

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET

TRIP BLANK INFORMATION

- [x] TRIP BLANK PROVIDED
- [ ] TRIP BLANK NOT PROVIDED
- [x] TRIP BLANK NOT ON COC
- [x] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [ ] RECEIVED WATER TRIP BLANK
- [x] RECEIVED SOIL TRIP BLANK

MISC. INFORMATION

NUMBER OF ENCORES ? 25-GRAM_____ 5-GRAM_____

NUMBER OF 5035 FIELD KITS ? 2

NUMBER OF LAB FILTERED METALS ? _____

TEMPERATURE INFORMATION

- [ ] IR THERM ID 1 CORR. FACTOR +0.4
- [ ] OBSERVED TEMPS: 2.0
- [ ] CORRECTED TEMPS: 2.4

SAMPLE INFORMATION

- [ ] INCORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] DATES/TIMES ON COC DO NOT MATCH SAMPLE LABEL
- [ ] ID'S ON COC DO NOT MATCH LABEL
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING OR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] 5035 FIELD KITS NOT RECEIVED WITHIN 48 HOURS
- [ ] BULK VOA SOIL JARS NOT RECEIVED WITHIN 48 HOURS
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] RESIDUAL CHLORINE PRESENT

{APPICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS}

SUMMARY OF COMMENTS:

TECHNICIAN SIGNATURE/DATE R Wil 05 06 14 REVIEWER SIGNATURE/DATE 05/06/14

RS 04/14 receipt confirmation 041514.xls

4.1

4

FA14744: Chain of Custody

Page 2 of 3

From: (919) 208-7171
Brent Rader
Accutest Labs Southeast
6308 - C Angus Drive

Raleigh, NC 27617

Origin ID: RZZA

FedEx Express

J14101402070326

Ship Date: 05MAY14
ActWgt: 15.0 LB
CAD: 9855222/INET3490

Delivery Address Bar Code

SHIP TO: (407) 425-6700

BILL SENDER

Sample Receiving
Accutest SE
4405 VINELAND RD.
STE. C15
ORLANDO, FL 32811

Ref #
Invoice #
PO #
Dept #

TUE - 06 MAY AA
STANDARD OVERNIGHT

TRK# 0201 7987 5730 5316

NB TIXA

32811
FL-US
MCO

522G1/5203/F220

After printing this label:
1. Use the 'Print' button on this page to print your label to your laser or inkjet printer.
2. Fold the printed page along the horizontal line.
3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

Warning: Use only the printed original label for shipping. Using a photocopy of this label for shipping purposes is fraudulent and could result in additional billing charges, along with the cancellation of your FedEx account number.
Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com.FedEx will not be responsible for any claim in excess of $100 per package, whether the result of loss, damage, delay, non-delivery,misdelivery,or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim.Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental,consequential, or special is limited to the greater of $100 or the authorized declared value. Recovery cannot exceed actual documented loss.Maximum for items of extraordinary value is $1,000, e.g. jewelry, precious metals, negotiable instruments and other items listed in our ServiceGuide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

4.1 4

FA14744: Chain of Custody
Page 3 of 3

Southeast ACCUTEST LABORATORIES

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: FA14744
Account: ERMNCR ERM
Project: ECI; 100 Rego Dr, Elon, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC3939-MB	C098253.D	1	05/06/14	AH	n/a	n/a	VC3939

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA14744-1, FA14744-2

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	15	ug/kg	
107-02-8	Acrolein	ND	25	11	ug/kg	
107-13-1	Acrylonitrile	ND	25	7.8	ug/kg	
71-43-2	Benzene	ND	5.0	1.0	ug/kg	
108-86-1	Bromobenzene	ND	5.0	1.1	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	1.9	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	1.0	ug/kg	
75-25-2	Bromoform	ND	5.0	1.1	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	1.0	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	1.0	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	1.0	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	2.3	ug/kg	
67-66-3	Chloroform	ND	5.0	1.1	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	1.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	1.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	10	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	1.0	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	1.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.0	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	1.1	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.1	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	1.8	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	1.0	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	1.0	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	1.0	ug/kg	
123-91-1	1,4-Dioxane	ND	200	53	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	1.4	ug/kg	
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	1.3	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.0	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	1.1	ug/kg	

Method Blank Summary

Job Number: FA14744
Account: ERMNCR ERM
Project: ECI; 100 Rego Dr, Elon, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC3939-MB	C098253.D	1	05/06/14	AH	n/a	n/a	VC3939

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA14744-1, FA14744-2

CAS No.	Compound	Result	RL	MDL	Units	Q
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.3	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/kg	
591-78-6	2-Hexanone	ND	25	4.9	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	1.0	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	1.0	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	1.0	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	5.0	ug/kg	
74-83-9	Methyl bromide	ND	5.0	1.9	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	1.2	ug/kg	
75-09-2	Methylene chloride	ND	10	4.0	ug/kg	
78-93-3	Methyl ethyl ketone	ND	25	7.5	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.0	ug/kg	
91-20-3	Naphthalene	ND	5.0	2.0	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	1.0	ug/kg	
100-42-5	Styrene	ND	5.0	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	1.1	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.0	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.4	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.6	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	1.2	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	1.2	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	1.3	ug/kg	
108-88-3	Toluene	ND	5.0	1.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	1.0	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	1.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	1.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	8.0	ug/kg	
	m,p-Xylene	ND	10	1.6	ug/kg	
95-47-6	o-Xylene	ND	5.0	1.1	ug/kg	

Method Blank Summary

Job Number: FA14744
Account: ERMNCR ERM
Project: ECI; 100 Rego Dr, Elon, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC3939-MB	C098253.D	1	05/06/14	AH	n/a	n/a	VC3939

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA14744-1, FA14744-2

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	106%	75-124%
2037-26-5	Toluene-D8	101%	75-126%
460-00-4	4-Bromofluorobenzene	101%	71-133%
17060-07-0	1,2-Dichloroethane-D4	100%	72-135%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	column bleed	14.59	14	ug/kg	J
	Total TIC, Volatile		14	ug/kg	J

Blank Spike Summary

Job Number: FA14744
Account: ERMNCR ERM
Project: ECI; 100 Rego Dr, Elon, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC3939-BS	C098252.D	1	05/06/14	AH	n/a	n/a	VC3939

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA14744-1, FA14744-2

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	250	260	104	61-152
107-02-8	Acrolein	250	281	112	48-178
107-13-1	Acrylonitrile	250	290	116	66-134
71-43-2	Benzene	50	53.1	106	76-126
108-86-1	Bromobenzene	50	52.6	105	76-122
74-97-5	Bromochloromethane	50	52.5	105	77-120
75-27-4	Bromodichloromethane	50	53.6	107	74-130
75-25-2	Bromoform	50	52.3	105	76-127
104-51-8	n-Butylbenzene	50	53.8	108	71-128
135-98-8	sec-Butylbenzene	50	54.9	110	79-135
98-06-6	tert-Butylbenzene	50	56.8	114	77-133
108-90-7	Chlorobenzene	50	55.1	110	81-129
75-00-3	Chloroethane	50	54.6	109	68-133
67-66-3	Chloroform	50	60.2	120	72-123
95-49-8	o-Chlorotoluene	50	55.7	111	77-129
106-43-4	p-Chlorotoluene	50	57.5	115	80-134
110-75-8	2-Chloroethyl vinyl ether	250	272	109	45-159
75-15-0	Carbon disulfide	50	57.8	116	72-122
56-23-5	Carbon tetrachloride	50	50.7	101	78-133
75-34-3	1,1-Dichloroethane	50	60.7	121	73-125
75-35-4	1,1-Dichloroethylene	50	53.3	107	81-136
563-58-6	1,1-Dichloropropene	50	54.4	109	75-130
96-12-8	1,2-Dibromo-3-chloropropane	50	52.6	105	70-137
106-93-4	1,2-Dibromoethane	50	55.1	110	77-126
107-06-2	1,2-Dichloroethane	50	53.0	106	74-128
78-87-5	1,2-Dichloropropane	50	52.7	105	74-125
142-28-9	1,3-Dichloropropane	50	54.3	109	76-122
123-91-1	1,4-Dioxane	1000	1200	120	56-152
594-20-7	2,2-Dichloropropane	50	40.0	80	77-133
124-48-1	Dibromochloromethane	50	54.7	109	76-127
75-71-8	Dichlorodifluoromethane	50	50.5	101	68-168
156-59-2	cis-1,2-Dichloroethylene	50	52.6	105	74-126
10061-01-5	cis-1,3-Dichloropropene	50	53.3	107	80-123
541-73-1	m-Dichlorobenzene	50	56.3	113	81-129
95-50-1	o-Dichlorobenzene	50	56.4	113	80-129
106-46-7	p-Dichlorobenzene	50	51.9	104	76-130

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA14744
Account: ERMNCR ERM
Project: ECI; 100 Rego Dr, Elon, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC3939-BS	C098252.D	1	05/06/14	AH	n/a	n/a	VC3939

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA14744-1, FA14744-2

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
156-60-5	trans-1,2-Dichloroethylene	50	49.9	100	70-127
10061-02-6	trans-1,3-Dichloropropene	50	56.6	113	75-131
100-41-4	Ethylbenzene	50	51.4	103	77-123
591-78-6	2-Hexanone	250	292	117	72-133
87-68-3	Hexachlorobutadiene	50	54.3	109	74-136
98-82-8	Isopropylbenzene	50	58.7	117	80-136
99-87-6	p-Isopropyltoluene	50	55.0	110	77-131
108-10-1	4-Methyl-2-pentanone	250	290	116	76-132
74-83-9	Methyl bromide	50	61.1	122	65-139
74-87-3	Methyl chloride	50	54.6	109	71-144
74-95-3	Methylene bromide	50	53.1	106	74-124
75-09-2	Methylene chloride	50	54.1	108	74-137
78-93-3	Methyl ethyl ketone	250	272	109	75-137
1634-04-4	Methyl Tert Butyl Ether	50	50.1	100	77-120
91-20-3	Naphthalene	50	58.2	116	79-129
103-65-1	n-Propylbenzene	50	56.5	113	80-135
100-42-5	Styrene	50	54.9	110	78-125
630-20-6	1,1,1,2-Tetrachloroethane	50	53.7	107	78-126
71-55-6	1,1,1-Trichloroethane	50	50.0	100	70-129
79-34-5	1,1,2,2-Tetrachloroethane	50	53.3	107	71-126
79-00-5	1,1,2-Trichloroethane	50	54.3	109	74-124
87-61-6	1,2,3-Trichlorobenzene	50	54.1	108	77-128
96-18-4	1,2,3-Trichloropropane	50	55.3	111	74-127
120-82-1	1,2,4-Trichlorobenzene	50	54.4	109	78-130
95-63-6	1,2,4-Trimethylbenzene	50	51.7	103	74-123
108-67-8	1,3,5-Trimethylbenzene	50	50.6	101	73-122
127-18-4	Tetrachloroethylene	50	51.4	103	79-130
108-88-3	Toluene	50	54.0	108	76-124
79-01-6	Trichloroethylene	50	52.6	105	75-128
75-69-4	Trichlorofluoromethane	50	49.2	98	73-145
75-01-4	Vinyl chloride	50	52.3	105	76-141
108-05-4	Vinyl Acetate	250	254	102	48-164
	m,p-Xylene	100	105	105	80-128
95-47-6	o-Xylene	50	58.6	117	80-132

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA14744
Account: ERMNCR ERM
Project: ECI; 100 Rego Dr, Elon, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC3939-BS	C098252.D	1	05/06/14	AH	n/a	n/a	VC3939

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA14744-1, FA14744-2

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	98%	75-124%
2037-26-5	Toluene-D8	106%	75-126%
460-00-4	4-Bromofluorobenzene	102%	71-133%
17060-07-0	1,2-Dichloroethane-D4	98%	72-135%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA14744
Account: ERMNCR ERM
Project: ECI; 100 Rego Dr, Elon, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA14744-1MS	C098257.D	1	05/06/14	AH	n/a	n/a	VC3939
FA14744-1MSD	C098258.D	1	05/06/14	AH	n/a	n/a	VC3939
FA14744-1	C098255.D	1	05/06/14	AH	n/a	n/a	VC3939

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA14744-1, FA14744-2

CAS No.	Compound	FA14744-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	31.1	J	352	329	85	353	292	74	12	61-152/27
107-02-8	Acrolein	ND		352	303	86	353	276	78	9	48-178/37
107-13-1	Acrylonitrile	ND		352	371	105	353	304	86	20	66-134/26
71-43-2	Benzene	ND		70.5	64.6	92	70.6	67.0	95	4	76-126/26
108-86-1	Bromobenzene	ND		70.5	65.6	93	70.6	66.5	94	1	76-122/32
74-97-5	Bromochloromethane	ND		70.5	63.6	90	70.6	64.1	91	1	77-120/24
75-27-4	Bromodichloromethane	ND		70.5	64.9	92	70.6	67.0	95	3	74-130/25
75-25-2	Bromoform	ND		70.5	64.6	92	70.6	62.8	89	3	76-127/26
104-51-8	n-Butylbenzene	ND		70.5	64.7	92	70.6	67.5	96	4	71-128/35
135-98-8	sec-Butylbenzene	ND		70.5	64.5	92	70.6	66.4	94	3	79-135/34
98-06-6	tert-Butylbenzene	ND		70.5	69.2	98	70.6	70.8	100	2	77-133/34
108-90-7	Chlorobenzene	ND		70.5	68.2	97	70.6	69.0	98	1	81-129/29
75-00-3	Chloroethane	ND		70.5	60.2	85	70.6	71.0	101	16	68-133/29
67-66-3	Chloroform	ND		70.5	74.9	106	70.6	76.5	108	2	72-123/26
95-49-8	o-Chlorotoluene	ND		70.5	68.7	98	70.6	70.6	100	3	77-129/33
106-43-4	p-Chlorotoluene	ND		70.5	71.7	102	70.6	73.1	104	2	80-134/33
110-75-8	2-Chloroethyl vinyl ether	ND		352	336	95	353	341	97	1	45-159/26
75-15-0	Carbon disulfide	ND		70.5	65.0	92	70.6	70.8	100	9	72-122/29
56-23-5	Carbon tetrachloride	ND		70.5	62.4	89	70.6	65.5	93	5	78-133/29
75-34-3	1,1-Dichloroethane	ND		70.5	74.9	106	70.6	75.7	107	1	73-125/27
75-35-4	1,1-Dichloroethylene	ND		70.5	65.1	92	70.6	65.9	93	1	81-136/28
563-58-6	1,1-Dichloropropene	ND		70.5	65.7	93	70.6	66.3	94	1	75-130/28
96-12-8	1,2-Dibromo-3-chloropropane	ND		70.5	65.2	93	70.6	62.7	89	4	70-137/29
106-93-4	1,2-Dibromoethane	ND		70.5	65.5	93	70.6	64.4	91	2	77-126/26
107-06-2	1,2-Dichloroethane	ND		70.5	66.8	95	70.6	67.1	95	0	74-128/23
78-87-5	1,2-Dichloropropane	ND		70.5	63.8	91	70.6	66.6	94	4	74-125/25
142-28-9	1,3-Dichloropropane	ND		70.5	66.0	94	70.6	65.4	93	1	76-122/26
123-91-1	1,4-Dioxane	ND		1410	1100	78	1410	1330	94	19	56-152/37
594-20-7	2,2-Dichloropropane	ND		70.5	46.0	65*	70.6	88.8	126	64*	77-133/28
124-48-1	Dibromochloromethane	ND		70.5	66.8	95	70.6	65.7	93	2	76-127/27
75-71-8	Dichlorodifluoromethane	ND		70.5	54.9	78	70.6	58.4	83	6	68-168/29
156-59-2	cis-1,2-Dichloroethylene	ND		70.5	62.9	89	70.6	65.2	92	4	74-126/26
10061-01-5	cis-1,3-Dichloropropene	ND		70.5	64.4	91	70.6	66.9	95	4	80-123/26
541-73-1	m-Dichlorobenzene	ND		70.5	68.7	98	70.6	70.8	100	3	81-129/33
95-50-1	o-Dichlorobenzene	ND		70.5	67.2	95	70.6	69.2	98	3	80-129/32
106-46-7	p-Dichlorobenzene	ND		70.5	64.4	91	70.6	65.9	93	2	76-130/32

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA14744
Account: ERMNCR ERM
Project: ECI; 100 Rego Dr, Elon, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA14744-1MS	C098257.D	1	05/06/14	AH	n/a	n/a	VC3939
FA14744-1MSD	C098258.D	1	05/06/14	AH	n/a	n/a	VC3939
FA14744-1	C098255.D	1	05/06/14	AH	n/a	n/a	VC3939

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA14744-1, FA14744-2

CAS No.	Compound	FA14744-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
156-60-5	trans-1,2-Dichloroethylene	ND		70.5	61.8	88	70.6	63.3	90	2	70-127/27
10061-02-6	trans-1,3-Dichloropropene	ND		70.5	71.0	101	70.6	69.0	98	3	75-131/28
100-41-4	Ethylbenzene	ND		70.5	64.0	91	70.6	64.2	91	0	77-123/31
591-78-6	2-Hexanone	ND		352	364	103	353	336	95	8	72-133/26
87-68-3	Hexachlorobutadiene	ND		70.5	51.4	73*	70.6	59.1	84	14	74-136/38
98-82-8	Isopropylbenzene	ND		70.5	71.0	101	70.6	71.4	101	1	80-136/32
99-87-6	p-Isopropyltoluene	ND		70.5	66.0	94	70.6	68.4	97	4	77-131/34
108-10-1	4-Methyl-2-pentanone	ND		352	363	103	353	332	94	9	76-132/26
74-83-9	Methyl bromide	ND		70.5	69.7	99	70.6	74.9	106	7	65-139/31
74-87-3	Methyl chloride	ND		70.5	58.8	83	70.6	61.8	88	5	71-144/27
74-95-3	Methylene bromide	ND		70.5	63.4	90	70.6	65.4	93	3	74-124/24
75-09-2	Methylene chloride	ND		70.5	68.1	97	70.6	73.1	104	7	74-137/28
78-93-3	Methyl ethyl ketone	ND		352	338	96	353	317	90	6	75-137/25
1634-04-4	Methyl Tert Butyl Ether	ND		70.5	63.8	91	70.6	64.3	91	1	77-120/24
91-20-3	Naphthalene	ND		70.5	63.0	89	70.6	64.1	91	2	79-129/33
103-65-1	n-Propylbenzene	ND		70.5	70.7	100	70.6	70.7	100	0	80-135/33
100-42-5	Styrene	ND		70.5	66.7	95	70.6	66.8	95	0	78-125/30
630-20-6	1,1,1,2-Tetrachloroethane	ND		70.5	67.3	96	70.6	65.9	93	2	78-126/27
71-55-6	1,1,1-Trichloroethane	ND		70.5	61.2	87	70.6	67.2	95	9	70-129/27
79-34-5	1,1,2,2-Tetrachloroethane	ND		70.5	66.4	94	70.6	64.2	91	3	71-126/30
79-00-5	1,1,2-Trichloroethane	ND		70.5	66.3	94	70.6	62.9	89	5	74-124/28
87-61-6	1,2,3-Trichlorobenzene	ND		70.5	57.0	81	70.6	59.0	84	3	77-128/35
96-18-4	1,2,3-Trichloropropane	ND		70.5	69.6	99	70.6	66.0	93	5	74-127/27
120-82-1	1,2,4-Trichlorobenzene	ND		70.5	59.5	84	70.6	62.9	89	6	78-130/34
95-63-6	1,2,4-Trimethylbenzene	ND		70.5	64.3	91	70.6	65.8	93	2	74-123/34
108-67-8	1,3,5-Trimethylbenzene	ND		70.5	64.0	91	70.6	65.1	92	2	73-122/33
127-18-4	Tetrachloroethylene	ND		70.5	62.9	89	70.6	62.0	88	1	79-130/31
108-88-3	Toluene	ND		70.5	66.3	94	70.6	66.7	94	1	76-124/30
79-01-6	Trichloroethylene	ND		70.5	64.2	91	70.6	65.9	93	3	75-128/27
75-69-4	Trichlorofluoromethane	ND		70.5	58.6	83	70.6	62.7	89	7	73-145/31
75-01-4	Vinyl chloride	ND		70.5	56.7	80	70.6	62.8	89	10	76-141/27
108-05-4	Vinyl Acetate	ND		352	362	103	353	259	73	33	48-164/37
	m,p-Xylene	ND		141	132	94	141	130	92	2	80-128/30
95-47-6	o-Xylene	ND		70.5	71.7	102	70.6	72.6	103	1	80-132/30

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA14744
Account: ERMNCR ERM
Project: ECI; 100 Rego Dr, Elon, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA14744-1MS	C098257.D	1	05/06/14	AH	n/a	n/a	VC3939
FA14744-1MSD	C098258.D	1	05/06/14	AH	n/a	n/a	VC3939
FA14744-1	C098255.D	1	05/06/14	AH	n/a	n/a	VC3939

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA14744-1, FA14744-2

CAS No.	Surrogate Recoveries	MS	MSD	FA14744-1	Limits
1868-53-7	Dibromofluoromethane	98%	97%	108%	75-124%
2037-26-5	Toluene-D8	105%	103%	100%	75-126%
460-00-4	4-Bromofluorobenzene	101%	102%	101%	71-133%
17060-07-0	1,2-Dichloroethane-D4	99%	96%	107%	72-135%

* = Outside of Control Limits.

Southeast ACCUTEST LABORATORIES

GC/MS Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: FA14744
Account: ERMNCR ERM
Project: ECI; 100 Rego Dr, Elon, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP51541-MB	X034822.D	1	05/14/14	MV	05/08/14	OP51541	SX1630

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA14744-1, FA14744-2

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	830	170	ug/kg	
95-57-8	2-Chlorophenol	ND	170	17	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	17	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	17	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	18	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	830	170	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	330	67	ug/kg	
95-48-7	2-Methylphenol	ND	170	17	ug/kg	
	3&4-Methylphenol	ND	170	33	ug/kg	
88-75-5	2-Nitrophenol	ND	170	17	ug/kg	
100-02-7	4-Nitrophenol	ND	830	130	ug/kg	
87-86-5	Pentachlorophenol	ND	830	130	ug/kg	
108-95-2	Phenol	ND	170	17	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	21	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	17	ug/kg	
83-32-9	Acenaphthene	ND	170	21	ug/kg	
208-96-8	Acenaphthylene	ND	170	17	ug/kg	
62-53-3	Aniline	ND	170	17	ug/kg	
120-12-7	Anthracene	ND	170	17	ug/kg	
92-87-5	Benzidine	ND	1700	330	ug/kg	
56-55-3	Benzo(a)anthracene	ND	170	17	ug/kg	
50-32-8	Benzo(a)pyrene	ND	170	17	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	170	17	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	170	17	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	170	18	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	170	17	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	170	33	ug/kg	
100-51-6	Benzyl Alcohol	ND	170	17	ug/kg	
91-58-7	2-Chloronaphthalene	ND	170	20	ug/kg	
106-47-8	4-Chloroaniline	ND	170	17	ug/kg	
86-74-8	Carbazole	ND	170	17	ug/kg	
218-01-9	Chrysene	ND	170	17	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	170	17	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	170	17	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	170	17	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	170	25	ug/kg	

Method Blank Summary

Job Number: FA14744
Account: ERMNCR ERM
Project: ECI; 100 Rego Dr, Elon, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP51541-MB	X034822.D	1	05/14/14	MV	05/08/14	OP51541	SX1630

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA14744-1, FA14744-2

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	170	17	ug/kg	
122-66-7	1,2-Diphenylhydrazine	ND	170	19	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	170	17	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	170	17	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	170	19	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	170	18	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	170	17	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	170	17	ug/kg	
132-64-9	Dibenzofuran	ND	170	17	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	330	33	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	170	33	ug/kg	
84-66-2	Diethyl phthalate	ND	330	33	ug/kg	
131-11-3	Dimethyl phthalate	ND	170	33	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	330	33	ug/kg	
206-44-0	Fluoranthene	ND	170	17	ug/kg	
86-73-7	Fluorene	ND	170	17	ug/kg	
118-74-1	Hexachlorobenzene	ND	170	17	ug/kg	
87-68-3	Hexachlorobutadiene	ND	170	17	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	170	17	ug/kg	
67-72-1	Hexachloroethane	ND	170	17	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	170	17	ug/kg	
78-59-1	Isophorone	ND	170	17	ug/kg	
90-12-0	1-Methylnaphthalene	ND	170	17	ug/kg	
91-57-6	2-Methylnaphthalene	ND	170	17	ug/kg	
88-74-4	2-Nitroaniline	ND	170	33	ug/kg	
99-09-2	3-Nitroaniline	ND	170	33	ug/kg	
100-01-6	4-Nitroaniline	ND	170	33	ug/kg	
91-20-3	Naphthalene	ND	170	17	ug/kg	
98-95-3	Nitrobenzene	ND	170	17	ug/kg	
62-75-9	N-Nitrosodimethylamine	ND	170	19	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	170	17	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	17	ug/kg	
85-01-8	Phenanthrene	ND	170	17	ug/kg	
129-00-0	Pyrene	ND	170	17	ug/kg	
110-86-1	Pyridine	ND	330	33	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	170	17	ug/kg	

Method Blank Summary

Job Number: FA14744
Account: ERMNCR ERM
Project: ECI; 100 Rego Dr, Elon, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP51541-MB	X034822.D	1	05/14/14	MV	05/08/14	OP51541	SX1630

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA14744-1, FA14744-2

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	68%	40-102%
4165-62-2	Phenol-d5	70%	41-100%
118-79-6	2,4,6-Tribromophenol	73%	42-108%
4165-60-0	Nitrobenzene-d5	71%	40-105%
321-60-8	2-Fluorobiphenyl	73%	43-107%
1718-51-0	Terphenyl-d14	103%	45-119%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	2.51	3100	ug/kg	JN
	Total TIC, Semi-Volatile		3100	ug/kg	J

Blank Spike Summary

Job Number: FA14744
Account: ERMNCR ERM
Project: ECI; 100 Rego Dr, Elon, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP51541-BS	X034821.D	1	05/14/14	MV	05/08/14	OP51541	SX1630

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA14744-1, FA14744-2

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
65-85-0	Benzoic Acid	3330	2070	62	36-118
95-57-8	2-Chlorophenol	1670	1120	67	48-104
59-50-7	4-Chloro-3-methyl phenol	1670	1150	69	52-108
120-83-2	2,4-Dichlorophenol	1670	1110	67	51-105
105-67-9	2,4-Dimethylphenol	1670	1150	69	43-96
51-28-5	2,4-Dinitrophenol	3330	2770	83	40-119
534-52-1	4,6-Dinitro-o-cresol	3330	2840	85	64-121
95-48-7	2-Methylphenol	1670	1100	66	46-107
	3&4-Methylphenol	3330	2230	67	44-111
88-75-5	2-Nitrophenol	1670	1090	65	49-104
100-02-7	4-Nitrophenol	3330	2600	78	56-116
87-86-5	Pentachlorophenol	3330	3080	92	61-114
108-95-2	Phenol	1670	1140	68	45-110
95-95-4	2,4,5-Trichlorophenol	1670	1320	79	58-112
88-06-2	2,4,6-Trichlorophenol	1670	1320	79	56-109
83-32-9	Acenaphthene	1670	1330	80	56-109
208-96-8	Acenaphthylene	1670	1350	81	56-106
62-53-3	Aniline	1670	1170	70	42-108
120-12-7	Anthracene	1670	1380	83	61-110
92-87-5	Benzidine	1670	1090	65	10-109
56-55-3	Benzo(a)anthracene	1670	1440	86	66-111
50-32-8	Benzo(a)pyrene	1670	1410	85	59-104
205-99-2	Benzo(b)fluoranthene	1670	1430	86	67-113
191-24-2	Benzo(g,h,i)perylene	1670	1420	85	67-113
207-08-9	Benzo(k)fluoranthene	1670	1490	89	67-114
101-55-3	4-Bromophenyl phenyl ether	1670	1150	69	62-110
85-68-7	Butyl benzyl phthalate	1670	1590	95	65-113
100-51-6	Benzyl Alcohol	1670	1210	73	53-108
91-58-7	2-Chloronaphthalene	1670	1250	75	53-106
106-47-8	4-Chloroaniline	1670	1070	64	30-115
86-74-8	Carbazole	1670	1420	85	60-111
218-01-9	Chrysene	1670	1490	89	65-112
111-91-1	bis(2-Chloroethoxy)methane	1670	1120	67	48-105
111-44-4	bis(2-Chloroethyl)ether	1670	1060	64	46-103
108-60-1	bis(2-Chloroisopropyl)ether	1670	1150	69	40-110
7005-72-3	4-Chlorophenyl phenyl ether	1670	1280	77	58-106

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA14744
Account: ERMNCR ERM
Project: ECI; 100 Rego Dr, Elon, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP51541-BS	X034821.D	1	05/14/14	MV	05/08/14	OP51541	SX1630

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA14744-1, FA14744-2

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
95-50-1	1,2-Dichlorobenzene	1670	1010	61	44-102
122-66-7	1,2-Diphenylhydrazine	1670	1310	79	58-112
541-73-1	1,3-Dichlorobenzene	1670	1010	61	42-100
106-46-7	1,4-Dichlorobenzene	1670	1080	65	40-106
121-14-2	2,4-Dinitrotoluene	1670	1290	77	59-109
606-20-2	2,6-Dinitrotoluene	1670	1330	80	61-107
91-94-1	3,3'-Dichlorobenzidine	1670	1290	77	36-114
53-70-3	Dibenzo(a,h)anthracene	1670	1420	85	68-115
132-64-9	Dibenzofuran	1670	1340	80	57-108
84-74-2	Di-n-butyl phthalate	1670	1370	82	63-108
117-84-0	Di-n-octyl phthalate	1670	1610	97	64-119
84-66-2	Diethyl phthalate	1670	1340	80	61-109
131-11-3	Dimethyl phthalate	1670	1300	78	59-108
117-81-7	bis(2-Ethylhexyl)phthalate	1670	1430	86	64-115
206-44-0	Fluoranthene	1670	1360	82	60-108
86-73-7	Fluorene	1670	1380	83	58-109
118-74-1	Hexachlorobenzene	1670	1320	79	59-111
87-68-3	Hexachlorobutadiene	1670	1120	67	41-108
77-47-4	Hexachlorocyclopentadiene	1670	1110	67	49-110
67-72-1	Hexachloroethane	1670	1050	63	40-105
193-39-5	Indeno(1,2,3-cd)pyrene	1670	1320	79	66-116
78-59-1	Isophorone	1670	1110	67	42-89
90-12-0	1-Methylnaphthalene	1670	898	54	49-106
91-57-6	2-Methylnaphthalene	1670	1170	70	47-106
88-74-4	2-Nitroaniline	1670	1460	88	56-123
99-09-2	3-Nitroaniline	1670	1180	71	41-111
100-01-6	4-Nitroaniline	1670	1380	83	54-113
91-20-3	Naphthalene	1670	1130	68	44-104
98-95-3	Nitrobenzene	1670	1100	66	43-108
62-75-9	N-Nitrosodimethylamine	1670	1070	64	40-106
621-64-7	N-Nitroso-di-n-propylamine	1670	1150	69	48-108
86-30-6	N-Nitrosodiphenylamine	1670	1340	80	62-110
85-01-8	Phenanthrene	1670	1410	85	63-111
129-00-0	Pyrene	1670	1480	89	65-115
110-86-1	Pyridine	1670	942	57	31-102
120-82-1	1,2,4-Trichlorobenzene	1670	1030	62	45-100

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA14744
Account: ERMNCR ERM
Project: ECI; 100 Rego Dr, Elon, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP51541-BS	X034821.D	1	05/14/14	MV	05/08/14	OP51541	SX1630

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA14744-1, FA14744-2

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	68%	40-102%
4165-62-2	Phenol-d5	70%	41-100%
118-79-6	2,4,6-Tribromophenol	79%	42-108%
4165-60-0	Nitrobenzene-d5	65%	40-105%
321-60-8	2-Fluorobiphenyl	75%	43-107%
1718-51-0	Terphenyl-d14	97%	45-119%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA14744
Account: ERMNCR ERM
Project: ECI; 100 Rego Dr, Elon, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP51541-MS	X034825.D	1	05/14/14	MV	05/08/14	OP51541	SX1630
OP51541-MSD	X034826.D	1	05/14/14	MV	05/08/14	OP51541	SX1630
FA14780-9	X034824.D	1	05/14/14	MV	05/08/14	OP51541	SX1630

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA14744-1, FA14744-2

CAS No.	Compound	FA14780-9 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
65-85-0	Benzoic Acid	ND		3840	2270	59	3890	2310	59	2	36-118/41
95-57-8	2-Chlorophenol	ND		1920	1300	68	1950	1370	70	5	48-104/26
59-50-7	4-Chloro-3-methyl phenol	ND		1920	1300	68	1950	1380	71	6	52-108/21
120-83-2	2,4-Dichlorophenol	ND		1920	1250	65	1950	1340	69	7	51-105/27
105-67-9	2,4-Dimethylphenol	ND		1920	1340	70	1950	1390	71	4	43-96/23
51-28-5	2,4-Dinitrophenol	ND		3840	3200	83	3890	3400	87	6	40-119/32
534-52-1	4,6-Dinitro-o-cresol	ND		3840	3340	87	3890	3560	91	6	64-121/29
95-48-7	2-Methylphenol	ND		1920	1280	67	1950	1310	67	2	46-107/24
	3&4-Methylphenol	ND		3840	2580	67	3890	2680	69	4	44-111/24
88-75-5	2-Nitrophenol	ND		1920	1270	66	1950	1340	69	5	49-104/27
100-02-7	4-Nitrophenol	ND		3840	2850	74	3890	3070	79	7	56-116/23
87-86-5	Pentachlorophenol	ND		3840	3610	94	3890	3830	98	6	61-114/23
108-95-2	Phenol	ND		1920	1310	68	1950	1340	69	2	45-110/24
95-95-4	2,4,5-Trichlorophenol	ND		1920	1420	74	1950	1590	82	11	58-112/22
88-06-2	2,4,6-Trichlorophenol	ND		1920	1460	76	1950	1580	81	8	56-109/25
83-32-9	Acenaphthene	ND		1920	1500	78	1950	1600	82	6	56-109/23
208-96-8	Acenaphthylene	ND		1920	1510	79	1950	1590	82	5	56-106/23
62-53-3	Aniline	ND		1920	1260	66	1950	1280	66	2	42-108/28
120-12-7	Anthracene	ND		1920	1590	83	1950	1660	85	4	61-110/21
92-87-5	Benzidine	ND		1920	939	49	1950	978	50	4	10-109/35
56-55-3	Benzo(a)anthracene	ND		1920	1650	86	1950	1750	90	6	66-111/23
50-32-8	Benzo(a)pyrene	ND		1920	1610	84	1950	1720	88	7	59-104/23
205-99-2	Benzo(b)fluoranthene	ND		1920	1710	89	1950	1760	90	3	67-113/24
191-24-2	Benzo(g,h,i)perylene	ND		1920	1620	84	1950	1670	86	3	67-113/21
207-08-9	Benzo(k)fluoranthene	ND		1920	1780	93	1950	1830	94	3	67-114/22
101-55-3	4-Bromophenyl phenyl ether	ND		1920	1310	68	1950	1410	72	7	62-110/21
85-68-7	Butyl benzyl phthalate	ND		1920	1830	95	1950	1870	96	2	65-113/20
100-51-6	Benzyl Alcohol	ND		1920	1340	70	1950	1410	72	5	53-108/24
91-58-7	2-Chloronaphthalene	ND		1920	1430	74	1950	1510	78	5	53-106/23
106-47-8	4-Chloroaniline	ND		1920	1130	59	1950	1210	62	7	30-115/30
86-74-8	Carbazole	ND		1920	1580	82	1950	1670	86	6	60-111/19
218-01-9	Chrysene	ND		1920	1700	88	1950	1800	92	6	65-112/25
111-91-1	bis(2-Chloroethoxy)methane	ND		1920	1280	67	1950	1340	69	5	48-105/24
111-44-4	bis(2-Chloroethyl)ether	ND		1920	1250	65	1950	1300	67	4	46-103/27
108-60-1	bis(2-Chloroisopropyl)ether	ND		1920	1430	74	1950	1350	69	6	40-110/25
7005-72-3	4-Chlorophenyl phenyl ether	ND		1920	1410	73	1950	1520	78	8	58-106/21

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA14744
Account: ERMNCR ERM
Project: ECI; 100 Rego Dr, Elon, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP51541-MS	X034825.D	1	05/14/14	MV	05/08/14	OP51541	SX1630
OP51541-MSD	X034826.D	1	05/14/14	MV	05/08/14	OP51541	SX1630
FA14780-9	X034824.D	1	05/14/14	MV	05/08/14	OP51541	SX1630

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA14744-1, FA14744-2

CAS No.	Compound	FA14780-9 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
95-50-1	1,2-Dichlorobenzene	ND		1920	1170	61	1950	1210	62	3	44-102/28
122-66-7	1,2-Diphenylhydrazine	ND		1920	1570	82	1950	1640	84	4	58-112/22
541-73-1	1,3-Dichlorobenzene	ND		1920	1160	60	1950	1200	62	3	42-100/30
106-46-7	1,4-Dichlorobenzene	ND		1920	1260	66	1950	1300	67	3	40-106/29
121-14-2	2,4-Dinitrotoluene	ND		1920	1410	73	1950	1500	77	6	59-109/20
606-20-2	2,6-Dinitrotoluene	ND		1920	1430	74	1950	1520	78	6	61-107/22
91-94-1	3,3'-Dichlorobenzidine	ND		1920	1380	72	1950	1540	79	11	36-114/28
53-70-3	Dibenzo(a,h)anthracene	ND		1920	1680	87	1950	1710	88	2	68-115/23
132-64-9	Dibenzofuran	ND		1920	1480	77	1950	1570	81	6	57-108/22
84-74-2	Di-n-butyl phthalate	ND		1920	1600	83	1950	1690	87	5	63-108/19
117-84-0	Di-n-octyl phthalate	ND		1920	2170	113	1950	2140	110	1	64-119/21
84-66-2	Diethyl phthalate	ND		1920	1500	78	1950	1580	81	5	61-109/20
131-11-3	Dimethyl phthalate	ND		1920	1410	73	1950	1510	78	7	59-108/20
117-81-7	bis(2-Ethylhexyl)phthalate	ND		1920	1890	98	1950	1980	102	5	64-115/23
206-44-0	Fluoranthene	ND		1920	1530	80	1950	1650	85	8	60-108/25
86-73-7	Fluorene	ND		1920	1520	79	1950	1630	84	7	58-109/21
118-74-1	Hexachlorobenzene	ND		1920	1510	79	1950	1630	84	8	59-111/21
87-68-3	Hexachlorobutadiene	ND		1920	1310	68	1950	1370	70	4	41-108/27
77-47-4	Hexachlorocyclopentadiene	ND		1920	1270	66	1950	1340	69	5	49-110/31
67-72-1	Hexachloroethane	ND		1920	1250	65	1950	1260	65	1	40-105/32
193-39-5	Indeno(1,2,3-cd)pyrene	ND		1920	1520	79	1950	1560	80	3	66-116/22
78-59-1	Isophorone	ND		1920	1310	68	1950	1370	70	4	42-89/22
90-12-0	1-Methylnaphthalene	ND		1920	1020	53	1950	1080	55	6	49-106/26
91-57-6	2-Methylnaphthalene	ND		1920	1300	68	1950	1350	69	4	47-106/27
88-74-4	2-Nitroaniline	ND		1920	1590	83	1950	1660	85	4	56-123/24
99-09-2	3-Nitroaniline	ND		1920	1250	65	1950	1350	69	8	41-111/25
100-01-6	4-Nitroaniline	ND		1920	1440	75	1950	1550	80	7	54-113/22
91-20-3	Naphthalene	ND		1920	1320	69	1950	1370	70	4	44-104/27
98-95-3	Nitrobenzene	ND		1920	1280	67	1950	1300	67	2	43-108/25
62-75-9	N-Nitrosodimethylamine	ND		1920	1230	64	1950	1220	63	1	40-106/27
621-64-7	N-Nitroso-di-n-propylamine	ND		1920	1350	70	1950	1380	71	2	48-108/27
86-30-6	N-Nitrosodiphenylamine	ND		1920	1550	81	1950	1660	85	7	62-110/21
85-01-8	Phenanthrene	ND		1920	1600	83	1950	1680	86	5	63-111/22
129-00-0	Pyrene	ND		1920	1670	87	1950	1750	90	5	65-115/25
110-86-1	Pyridine	ND		1920	1020	53	1950	980	50	4	31-102/38
120-82-1	1,2,4-Trichlorobenzene	ND		1920	1190	62	1950	1250	64	5	45-100/26

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA14744
Account: ERMNCR ERM
Project: ECI; 100 Rego Dr, Elon, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP51541-MS	X034825.D	1	05/14/14	MV	05/08/14	OP51541	SX1630
OP51541-MSD	X034826.D	1	05/14/14	MV	05/08/14	OP51541	SX1630
FA14780-9	X034824.D	1	05/14/14	MV	05/08/14	OP51541	SX1630

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA14744-1, FA14744-2

CAS No.	Surrogate Recoveries	MS	MSD	FA14780-9	Limits
367-12-4	2-Fluorophenol	65%	68%	67%	40-102%
4165-62-2	Phenol-d5	68%	71%	68%	41-100%
118-79-6	2,4,6-Tribromophenol	76%	82%	77%	42-108%
4165-60-0	Nitrobenzene-d5	64%	66%	69%	40-105%
321-60-8	2-Fluorobiphenyl	72%	77%	73%	43-107%
1718-51-0	Terphenyl-d14	94%	100%	103%	45-119%

* = Outside of Control Limits.

Southeast ACCUTEST LABORATORIES

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA14744
Account: ERMNCR - ERM
Project: ECI; 100 Rego Dr, Elon, NC

QC Batch ID: MP27229
Matrix Type: SOLID

Methods: SW846 7471B
Units: mg/kg

Prep Date: 05/08/14

Metal	RL	IDL	MDL	MB raw	final
Mercury	0.042	.0025	.0042	-0.0026	<0.042

Associated samples MP27229: FA14744-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA14744
Account: ERMNCR - ERM
Project: ECI; 100 Rego Dr, Elon, NC

QC Batch ID: MP27229
Matrix Type: SOLID

Methods: SW846 7471B
Units: mg/kg

Prep Date: 05/08/14 05/08/14

Metal	FA14667-1 Original	DUP	RPD	QC Limits	FA14667-1 Original	MS	Spikelot HGFLWS1	% Rec	QC Limits
Mercury	0.017	0.012	34.5 (a)	0-20	0.017	0.33	0.286	109.4	80-120

Associated samples MP27229: FA14744-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) RPD acceptable due to low duplicate and sample concentrations.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA14744
Account: ERMNCR - ERM
Project: ECI; 100 Rego Dr, Elon, NC

QC Batch ID: MP27229
Matrix Type: SOLID

Methods: SW846 7471B
Units: mg/kg

Prep Date: 05/08/14

Metal	FA14667-1 Original	MSD	Spikelot HGFLWS1	% Rec	MSD RPD	QC Limit
Mercury	0.017	0.33	0.278	112.8	0.0	20

Associated samples MP27229: FA14744-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

7.1.2

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SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA14744
Account: ERMNCR - ERM
Project: ECI; 100 Rego Dr, Elon, NC

QC Batch ID: MP27229
Matrix Type: SOLID

Methods: SW846 7471B
Units: mg/kg

Prep Date: 05/08/14

Metal	BSP Result	Spikelot HGFLWS1	% Rec	QC Limits
Mercury	0.24	0.25	96.0	80-120

Associated samples MP27229: FA14744-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

7.1.3

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SERIAL DILUTION RESULTS SUMMARY

Login Number: FA14744
Account: ERMNCR - ERM
Project: ECI; 100 Rego Dr, Elon, NC

QC Batch ID: MP27229
Matrix Type: SOLID

Methods: SW846 7471B
Units: ug/l

Prep Date: 05/08/14

Metal	FA14667-1 Original	SDL 1:5	%DIF	QC Limits
Mercury	0.170	0.00	100.0(a)	0-10

Associated samples MP27229: FA14744-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

7.1.4

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BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA14744
Account: ERMNCR - ERM
Project: ECI; 100 Rego Dr, Elon, NC

QC Batch ID: MP27241
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 05/09/14

Metal	RL	IDL	MDL	MB raw	final
Aluminum	10	.75	1.6		
Antimony	1.0	.1	.1	0.025	<1.0
Arsenic	0.50	.1	.1	-0.080	<0.50
Barium	10	.05	.05		
Beryllium	0.25	.025	.025	-0.0050	<0.25
Cadmium	0.20	.025	.025	0.0	<0.20
Calcium	250	2.5	2.5		
Chromium	0.50	.05	.05	0.0050	<0.50
Cobalt	2.5	.025	.025		
Copper	1.3	.05	.05	-0.035	<1.3
Iron	15	.85	1.3		
Lead	1.0	.055	.08	-0.020	<1.0
Magnesium	250	2.5	2.5		
Manganese	0.75	.025	.025	0.0050	<0.75
Molybdenum	2.5	.025	.03		
Nickel	2.0	.025	.025	-0.010	<2.0
Potassium	500	10	10		
Selenium	1.0	.12	.15	0.070	<1.0
Silver	0.50	.033	.033	-0.015	<0.50
Sodium	500	25	25		
Strontium	0.50	.02	.025		
Thallium	0.50	.075	.075	-0.11	<0.50
Tin	2.5	.035	.035		
Titanium	0.50	.045	.045		
Vanadium	2.5	.025	.025		
Zinc	1.0	.15	.15	0.19	<1.0

Associated samples MP27241: FA14744-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA14744
Account: ERMNCR - ERM
Project: ECI; 100 Rego Dr, Elon, NC

QC Batch ID: MP27241
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date:			05/09/14					05/09/14	
Metal	FA14808-1 Original	DUP	RPD	QC Limits	FA14808-1 Original	MS	Spikelot MPFLICP2	% Rec	QC Limits
Aluminum	anr								
Antimony	0.0	0.0 (a)	NC	0-20	0.0	16.8 (a)	25.2	66.5N(d)	80-120
Arsenic	0.0	1.4 (a)	200.0(b)	0-20	0.0	104 (a)	101	103.0	80-120
Barium	anr								
Beryllium	0.24	0.36 (a)	40.0 (b)	0-20	0.24	2.8 (a)	2.52	101.4	80-120
Cadmium	2.1	2.1 (a)	0.0	0-20	2.1	4.2 (a)	2.52	83.2	80-120
Calcium	anr								
Chromium	22.1	31.1 (a)	33.8*(c)	0-20	22.1	30.4 (a)	10.1	82.2	80-120
Cobalt	anr								
Copper	4.3	5.9 (a)	31.4 (b)	0-20	4.3	16.5 (a)	12.6	96.6	80-120
Iron	anr								
Lead	2.4	5.3 (a)	75.3 (b)	0-20	2.4	28.5 (a)	25.2	103.4	80-120
Magnesium	anr								
Manganese	29.8	32.4 (a)	8.4	0-20	29.8	50.7 (a)	25.2	82.8	80-120
Molybdenum									
Nickel	5.8	9.5 (a)	48.4 (b)	0-20	5.8	30.3 (a)	25.2	97.0	80-120
Potassium	anr								
Selenium	0.0	0.0 (a)	NC	0-20	0.0	104 (a)	101	103.0	80-120
Silver	0.0	0.0 (a)	NC	0-20	0.0	2.4 (a)	2.52	95.1	80-120
Sodium	anr								
Strontium									
Thallium	0.0	0.0 (a)	NC	0-20	0.0	102 (a)	101	101.0	80-120
Tin									
Titanium									
Vanadium	anr								
Zinc	6.9	8.6 (a)	21.9 (b)	0-20	6.9	30.1 (a)	25.2	91.9	80-120

Associated samples MP27241: FA14744-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) Elevated reporting limit(s) due to matrix interference.
(b) RPD acceptable due to low duplicate and sample concentrations.
(c) High RPD due to possible sample non-homogeneity.
(d) Spike recovery indicates possible matrix interference and/or sample non-homogeneity.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA14744
Account: ERMNCR - ERM
Project: ECI; 100 Rego Dr, Elon, NC

QC Batch ID: MP27241
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 05/09/14

Metal	FA14808-1 Original	MSD	Spikelot MPFLICP2	% Rec	MSD RPD	QC Limit
Aluminum	anr					
Antimony	0.0	19.4 (a)	26.1	74.3N(b)	14.4	20
Arsenic	0.0	108 (a)	104	103.5	3.8	20
Barium	anr					
Beryllium	0.24	3.0 (a)	2.61	105.8	6.9	20
Cadmium	2.1	4.2 (a)	2.61	80.5	0.0	20
Calcium	anr					
Chromium	22.1	34.1 (c)	10.4	115.0	11.5	20
Cobalt	anr					
Copper	4.3	19.0 (c)	13	112.7	14.1	20
Iron	anr					
Lead	2.4	30.3 (c)	26.1	106.9	6.1	20
Magnesium	anr					
Manganese	29.8	61.3 (c)	26.1	120.7N(b	18.9	20
Molybdenum						
Nickel	5.8	35.5 (c)	26.1	113.8	15.8	20
Potassium	anr					
Selenium	0.0	105 (c)	104	100.6	1.0	20
Silver	0.0	2.5 (c)	2.61	95.8	4.1	20
Sodium	anr					
Strontium						
Thallium	0.0	105 (c)	104	100.6	2.9	20
Tin						
Titanium						
Vanadium	anr					
Zinc	6.9	32.7 (c)	26.1	98.9	8.3	20

Associated samples MP27241: FA14744-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) Elevated reporting limit(s) due to matrix interference.
(b) Spike recovery indicates possible matrix interference and/or sample non-homogeneity.
(c) Elevated reporting limit(s) due to matrix interference. Manually elevated.

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA14744
Account: ERMNCR - ERM
Project: ECI; 100 Rego Dr, Elon, NC

QC Batch ID: MP27241
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 05/09/14

Metal	BSP Result	Spikelot MPFLICP2	% Rec	QC Limits
Aluminum	anr			
Antimony	24.7	25	98.8	80-120
Arsenic	98.8	100	98.8	80-120
Barium	anr			
Beryllium	2.7	2.5	108.0	80-120
Cadmium	2.5	2.5	100.0	80-120
Calcium	anr			
Chromium	10.6	10	106.0	80-120
Cobalt	anr			
Copper	13.2	12.5	105.6	80-120
Iron	anr			
Lead	24.1	25	96.4	80-120
Magnesium	anr			
Manganese	26.7	25	106.8	80-120
Molybdenum				
Nickel	26.1	25	104.4	80-120
Potassium	anr			
Selenium	97.5	100	97.5	80-120
Silver	2.4	2.5	96.0	80-120
Sodium	anr			
Strontium				
Thallium	95.8	100	95.8	80-120
Tin				
Titanium				
Vanadium	anr			
Zinc	25.5	25	102.0	80-120

Associated samples MP27241: FA14744-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA14744
Account: ERMNCR - ERM
Project: ECI; 100 Rego Dr, Elon, NC

QC Batch ID: MP27241
Matrix Type: SOLID

Methods: SW846 6010C
Units: ug/l

Prep Date: 05/09/14

Metal	FA14808-1 Original	SDL 10:50%DIF		QC Limits
Aluminum	anr			
Antimony	0.00	0.00	NC	0-10
Arsenic	0.00	0.00	NC	0-10
Barium	anr			
Beryllium	5.10	0.00	100.0(a)	0-10
Cadmium	43.8	44.0	0.5	0-10
Calcium	anr			
Chromium	467	546	17.0 (a)	0-10
Cobalt	anr			
Copper	91.7	100	9.5	0-10
Iron	anr			
Lead	50.1	60.6	21.0 (a)	0-10
Magnesium	anr			
Manganese	629	664	5.5	0-10
Molybdenum				
Nickel	122	147	20.7 (a)	0-10
Potassium	anr			
Selenium	0.00	0.00	NC	0-10
Silver	0.00	0.00	NC	0-10
Sodium	anr			
Strontium				
Thallium	0.00	0.00	NC	0-10
Tin				
Titanium				
Vanadium	anr			
Zinc	145	167	15.5 (a)	0-10

Associated samples MP27241: FA14744-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

POST DIGESTATE SPIKE SUMMARY

Login Number: FA14744
Account: ERMNCR - ERM
Project: ECI; 100 Rego Dr, Elon, NC

QC Batch ID: MP27241
Matrix Type: SOLID

Methods: SW846 6010C
Units: ug/l

Prep Date: 05/09/14

Metal	Sample ml	Final ml	FA14808-1 Raw	Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum										
Antimony	9.8	10			116.4	0.2	5	100	116.4	80-120
Arsenic	9.8	10			118.5	0.2	5	100	118.5	80-120
Barium										
Beryllium	9.8	10	5.1	4.998	55.8	0.2	2.5	50	101.6	80-120
Cadmium	9.8	10	43.8	42.924	97.5	0.2	2.5	50	109.2	80-120
Calcium										
Chromium	9.8	10	466.5	457.17	556.4	0.2	2.5	50	198.5*(a	80-120
Cobalt										
Copper	9.8	10	91.7	89.866	190.8	0.2	5	100	100.9	80-120
Iron										
Lead	9.8	10	50.1	49.098	109.8	0.2	2.5	50	121.4*(a	80-120
Magnesium										
Manganese	9.8	10	628.9	616.322	721.1	0.2	2.5	50	209.6*(a	80-120
Molybdenum										
Nickel	9.8	10	121.5	119.07	232.8	0.2	5	100	113.7	80-120
Potassium										
Selenium	9.8	10			100.1	0.2	5	100	100.1	80-120
Silver	9.8	10			44.6	0.2	2.5	50	89.2	80-120
Sodium										
Strontium										
Thallium	9.8	10			88.4	0.2	5	100	88.4	80-120
Tin										
Titanium										
Vanadium										
Zinc	9.8	10	144.9	142.002	395.3	0.2	12.5	250	101.3	80-120

Associated samples MP27241: FA14744-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(**) Corr. sample result = Raw * (sample volume / final volume)
(anr) Analyte not requested
(a) Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

Southeast ACCUTEST LABORATORIES

05/19/14

Technical Report for

ERM

ECI; 100 Rego Dr, Elon, NC

Accutest Job Number: FA14869

Sampling Dates: 05/06/14 - 05/07/14

Report to:

ERM

lane.dorman@erm.com

ATTN: Lane Dorman

Total number of pages in report: **139**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Harry Behzadi, Ph.D.
Laboratory Director

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Certifications: FL (E83510), LA (03051), KS (E-10327), IA (366), IL (200063), NC (573), NJ (FL002), SC (96038001) DoD ELAP (L-A-B L2229), CA (04226CA), TX (T104704404), PA (68-03573), VA (460177), AK, AR, GA, KY, MA, NV, OK, UT, WA

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Sample Summary

ERM

ECI; 100 Rego Dr, Elon, NC

Job No: FA14869

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
FA14869-1	05/06/14	09:00	GK	05/09/14	SO	Soil	HA-4-0-1
FA14869-2	05/06/14	10:00	GK	05/09/14	SO	Soil	BG-1-5
FA14869-3	05/06/14	10:10	GK	05/09/14	SO	Soil	BG-1-15
FA14869-4	05/06/14	11:00	GK	05/09/14	SO	Soil	BG-2-5
FA14869-5	05/06/14	11:15	GK	05/09/14	SO	Soil	BG-2-15
FA14869-6	05/06/14	11:50	GK	05/09/14	SO	Soil	BG-3-5
FA14869-7	05/06/14	12:00	GK	05/09/14	SO	Soil	BG-3-15
FA14869-8	05/06/14	12:15	GK	05/09/14	SO	Soil	BG-4-5
FA14869-9	05/06/14	12:30	GK	05/09/14	SO	Soil	BG-4-15
FA14869-10	05/06/14	13:45	GK	05/09/14	SO	Soil	BG-5-5
FA14869-11	05/06/14	13:55	GK	05/09/14	SO	Soil	BG-5-13
FA14869-12	05/06/14	00:00	GK	05/09/14	AQ	Trip Blank Soil	TRIP BLANK-2
FA14869-13	05/07/14	15:45	GK	05/09/14	SO	Soil	GP-40-5-7

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Accutest Laboratories

Sample Summary
(continued)

ERM

Job No: FA14869

ECI; 100 Rego Dr, Elon, NC

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
FA14869-13L	05/07/14	15:45	GK	05/09/14	SO	Soil	GP-40-5-7
FA14869-14	05/07/14	15:55	GK	05/09/14	SO	Soil	GP-40-18-20
FA14869-14L	05/07/14	15:55	GK	05/09/14	SO	Soil	GP-40-18-20
FA14869-15	05/07/14	14:00	GK	05/09/14	SO	Soil	GP-41-5-7
FA14869-16	05/07/14	14:10	GK	05/09/14	SO	Soil	GP-41-23-25
FA14869-17	05/07/14	17:15	GK	05/09/14	SO	Soil	GP-42-5-7
FA14869-17L	05/07/14	17:15	GK	05/09/14	SO	Soil	GP-42-5-7
FA14869-18	05/07/14	17:25	GK	05/09/14	SO	Soil	GP-42-20-22
FA14869-18L	05/07/14	17:25	GK	05/09/14	SO	Soil	GP-42-20-22
FA14869-19	05/07/14	19:30	GK	05/09/14	SO	Soil	GP-43-8-10
FA14869-19L	05/07/14	19:30	GK	05/09/14	SO	Soil	GP-43-8-10
FA14869-20	05/07/14	19:40	GK	05/09/14	SO	Soil	GP-43-28-30
FA14869-20L	05/07/14	19:40	GK	05/09/14	SO	Soil	GP-43-28-30

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Sample Summary
(continued)

ERM

Job No: FA14869

ECI; 100 Rego Dr, Elon, NC

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
FA14869-21	05/07/14	21:00	GK	05/09/14	SO	Soil	GP-44-5-7
FA14869-21L	05/07/14	21:00	GK	05/09/14	SO	Soil	GP-44-5-7
FA14869-22	05/07/14	21:10	GK	05/09/14	SO	Soil	GP-44-23-25
FA14869-22L	05/07/14	21:10	GK	05/09/14	SO	Soil	GP-44-23-25
FA14869-23	05/07/14	14:05	GK	05/09/14	SO	Soil	DUP-1
FA14869-24	05/07/14	15:50	GK	05/09/14	SO	Soil	DUP-2
FA14869-25	05/07/14	14:30	GK	05/09/14	AQ	Equipment Blank	RB-1

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Summary of Hits

Job Number: FA14869
Account: ERM
Project: ECI; 100 Rego Dr, Elon, NC
Collected: 05/06/14 thru 05/07/14

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FA14869-1	**HA-4-0-1**					
Beryllium		0.23 B	0.26	0.026	mg/kg	SW846 6010C
Copper		13.2	1.3	0.052	mg/kg	SW846 6010C
Manganese		519	0.78	0.026	mg/kg	SW846 6010C
Nickel		2.9	2.1	0.026	mg/kg	SW846 6010C
Zinc		11.4	1.0	0.16	mg/kg	SW846 6010C
FA14869-2	**BG-1-5**					
Beryllium		0.29 B	0.36	0.036	mg/kg	SW846 6010C
Cadmium		0.55	0.29	0.036	mg/kg	SW846 6010C
Chromium		26.9	0.73	0.073	mg/kg	SW846 6010C
Copper		27.0	1.8	0.073	mg/kg	SW846 6010C
Lead		8.4	1.5	0.12	mg/kg	SW846 6010C
Manganese		165	1.1	0.036	mg/kg	SW846 6010C
Mercury		0.024 B	0.061	0.0061	mg/kg	SW846 7471B
Nickel		3.9	2.9	0.036	mg/kg	SW846 6010C
Silver		0.40 B	0.73	0.047	mg/kg	SW846 6010C
Zinc		9.7	1.5	0.22	mg/kg	SW846 6010C
FA14869-3	**BG-1-15**					
Antimony [a]		1.3 B	7.2	0.72	mg/kg	SW846 6010C
Arsenic [a]		1.4 B	3.6	0.72	mg/kg	SW846 6010C
Beryllium [a]		0.51 B	1.8	0.18	mg/kg	SW846 6010C
Cadmium [a]		0.36 B	1.4	0.18	mg/kg	SW846 6010C
Chromium [a]		8.9	3.6	0.36	mg/kg	SW846 6010C
Copper [a]		44.6	9.0	0.36	mg/kg	SW846 6010C
Lead		6.6	1.4	0.12	mg/kg	SW846 6010C
Manganese [a]		698	5.4	0.18	mg/kg	SW846 6010C
Mercury		0.0078 B	0.066	0.0066	mg/kg	SW846 7471B
Nickel [a]		6.3 B	14	0.18	mg/kg	SW846 6010C
Selenium [a]		2.5 B	7.2	1.1	mg/kg	SW846 6010C
Zinc [a]		29.3	7.2	1.1	mg/kg	SW846 6010C
FA14869-4	**BG-2-5**					
Beryllium [a]		0.27 B	0.64	0.064	mg/kg	SW846 6010C
Cadmium [a]		0.63	0.51	0.064	mg/kg	SW846 6010C
Chromium [a]		41.5	1.3	0.13	mg/kg	SW846 6010C
Copper [a]		26.5	3.2	0.13	mg/kg	SW846 6010C
Lead		10.8	1.3	0.10	mg/kg	SW846 6010C
Manganese [a]		56.6	1.9	0.064	mg/kg	SW846 6010C
Mercury		0.015 B	0.056	0.0056	mg/kg	SW846 7471B

Summary of Hits

Job Number: FA14869
Account: ERM
Project: ECI; 100 Rego Dr, Elon, NC
Collected: 05/06/14 thru 05/07/14

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Nickel [a]		6.1	5.1	0.064	mg/kg	SW846 6010C
Selenium [a]		2.9	2.5	0.38	mg/kg	SW846 6010C
Silver [a]		0.18 B	1.3	0.083	mg/kg	SW846 6010C
Zinc [a]		13.4	2.5	0.38	mg/kg	SW846 6010C
FA14869-5	**BG-2-15**					
Arsenic		0.23 B	0.60	0.12	mg/kg	SW846 6010C
Beryllium		0.095 B	0.30	0.030	mg/kg	SW846 6010C
Chromium		2.1	0.60	0.060	mg/kg	SW846 6010C
Copper		11.6	1.5	0.060	mg/kg	SW846 6010C
Lead		3.3	1.2	0.095	mg/kg	SW846 6010C
Manganese		126	0.89	0.030	mg/kg	SW846 6010C
Nickel		2.4	2.4	0.030	mg/kg	SW846 6010C
Zinc		20.0	1.2	0.18	mg/kg	SW846 6010C
FA14869-6	**BG-3-5**					
Arsenic		0.34 B	0.60	0.12	mg/kg	SW846 6010C
Beryllium		0.13 B	0.30	0.030	mg/kg	SW846 6010C
Chromium		11.1	0.60	0.060	mg/kg	SW846 6010C
Copper		13.7	1.5	0.060	mg/kg	SW846 6010C
Lead		5.8	1.2	0.096	mg/kg	SW846 6010C
Manganese		29.5	0.90	0.030	mg/kg	SW846 6010C
Mercury		0.011 B	0.052	0.0052	mg/kg	SW846 7471B
Nickel		1.6 B	2.4	0.030	mg/kg	SW846 6010C
Silver		0.078 B	0.60	0.039	mg/kg	SW846 6010C
Zinc		10.8	1.2	0.18	mg/kg	SW846 6010C
FA14869-7	**BG-3-15**					
Arsenic [a]		0.56 B	2.2	0.45	mg/kg	SW846 6010C
Chromium [a]		5.1	2.2	0.22	mg/kg	SW846 6010C
Copper [a]		46.4	5.6	0.22	mg/kg	SW846 6010C
Lead		4.7	1.1	0.090	mg/kg	SW846 6010C
Manganese [a]		198	3.4	0.11	mg/kg	SW846 6010C
Nickel [a]		2.4 B	9.0	0.11	mg/kg	SW846 6010C
Selenium [a]		0.76 B	4.5	0.67	mg/kg	SW846 6010C
Zinc [a]		42.5	4.5	0.67	mg/kg	SW846 6010C
FA14869-8	**BG-4-5**					
Arsenic [a]		0.30 B	1.3	0.25	mg/kg	SW846 6010C
Beryllium [a]		0.15 B	0.63	0.063	mg/kg	SW846 6010C
Cadmium [a]		0.26 B	0.50	0.063	mg/kg	SW846 6010C

Summary of Hits

Job Number: FA14869
Account: ERM
Project: ECI; 100 Rego Dr, Elon, NC
Collected: 05/06/14 thru 05/07/14

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Chromium [a]		10.2	1.3	0.13	mg/kg	SW846 6010C
Copper [a]		19.8	3.1	0.13	mg/kg	SW846 6010C
Lead		7.3	1.3	0.10	mg/kg	SW846 6010C
Manganese [a]		127	1.9	0.063	mg/kg	SW846 6010C
Mercury		0.033 B	0.052	0.0052	mg/kg	SW846 7471B
Nickel [a]		2.4 B	5.0	0.063	mg/kg	SW846 6010C
Selenium [a]		1.9 B	2.5	0.38	mg/kg	SW846 6010C
Silver [a]		0.094 B	1.3	0.082	mg/kg	SW846 6010C
Zinc [a]		39.2	2.5	0.38	mg/kg	SW846 6010C
FA14869-9	**BG-4-15**					
Arsenic [a]		1.7 B	6.4	1.3	mg/kg	SW846 6010C
Beryllium [a]		0.45 B	3.2	0.32	mg/kg	SW846 6010C
Chromium [a]		9.4	6.4	0.64	mg/kg	SW846 6010C
Copper [a]		40.7	16	0.64	mg/kg	SW846 6010C
Lead		8.0	1.3	0.10	mg/kg	SW846 6010C
Manganese [a]		1060	9.5	0.32	mg/kg	SW846 6010C
Nickel [a]		8.9 B	25	0.32	mg/kg	SW846 6010C
Selenium [a]		2.2 B	13	1.9	mg/kg	SW846 6010C
Zinc [a]		107	13	1.9	mg/kg	SW846 6010C
FA14869-10	**BG-5-5**					
Arsenic [a]		1.0 B	3.0	0.59	mg/kg	SW846 6010C
Cadmium [a]		0.15 B	1.2	0.15	mg/kg	SW846 6010C
Chromium [a]		17.8	3.0	0.30	mg/kg	SW846 6010C
Copper [a]		6.1 B	7.4	0.30	mg/kg	SW846 6010C
Lead		20.6	1.2	0.095	mg/kg	SW846 6010C
Manganese [a]		1080	4.5	0.15	mg/kg	SW846 6010C
Mercury		0.024 B	0.055	0.0055	mg/kg	SW846 7471B
Nickel [a]		7.0 B	12	0.15	mg/kg	SW846 6010C
Selenium [a]		1.1 B	5.9	0.89	mg/kg	SW846 6010C
Zinc [a]		64.0	5.9	0.89	mg/kg	SW846 6010C
FA14869-11	**BG-5-13**					
Arsenic [a]		3.5 B	14	2.8	mg/kg	SW846 6010C
Beryllium [a]		0.88 B	7.0	0.70	mg/kg	SW846 6010C
Chromium [a]		28.8	14	1.4	mg/kg	SW846 6010C
Copper [a]		23.3 B	35	1.4	mg/kg	SW846 6010C
Lead		8.3	1.4	0.11	mg/kg	SW846 6010C
Manganese [a]		1260	21	0.70	mg/kg	SW846 6010C
Nickel [a]		25.4 B	56	0.70	mg/kg	SW846 6010C
Zinc [a]		104	28	4.2	mg/kg	SW846 6010C

Summary of Hits

Job Number: FA14869
Account: ERM
Project: ECI; 100 Rego Dr, Elon, NC
Collected: 05/06/14 thru 05/07/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FA14869-12	**TRIP BLANK-2**					
No hits reported in this sample.						
FA14869-13	**GP-40-5-7**					
Acetone		23.5 J	59	18	ug/kg	SW846 8260B
Chloroform		2.0 J	5.9	1.3	ug/kg	SW846 8260B
cis-1,2-Dichloroethylene		12.8	5.9	1.2	ug/kg	SW846 8260B
Trichloroethylene		157	5.9	1.2	ug/kg	SW846 8260B
FA14869-13L	**GP-40-5-7**					
Benzene		0.0052	0.0010	0.00024	mg/l	SW846 8260B
Ethylbenzene		0.0378	0.0010	0.00028	mg/l	SW846 8260B
Methylene chloride		0.0047 J	0.0050	0.0020	mg/l	SW846 8260B
Tetrachloroethylene		0.0023	0.0010	0.00026	mg/l	SW846 8260B
Toluene		0.0945	0.0050	0.0010	mg/l	SW846 8260B
Trichloroethylene		0.0012	0.0010	0.00030	mg/l	SW846 8260B
Xylene (total)		0.220	0.0030	0.00066	mg/l	SW846 8260B
FA14869-14	**GP-40-18-20**					
Acetone		19.3 J	64	19	ug/kg	SW846 8260B
cis-1,2-Dichloroethylene		11.1	6.4	1.3	ug/kg	SW846 8260B
Tetrachloroethylene		4.3 J	6.4	1.6	ug/kg	SW846 8260B
Trichloroethylene		308 J	440	89	ug/kg	SW846 8260B
FA14869-14L	**GP-40-18-20**					
Benzene		0.00030 J	0.0010	0.00024	mg/l	SW846 8260B
Ethylbenzene		0.0170	0.0010	0.00028	mg/l	SW846 8260B
Toluene		0.0290	0.0010	0.00020	mg/l	SW846 8260B
Xylene (total)		0.133	0.0030	0.00066	mg/l	SW846 8260B
FA14869-15	**GP-41-5-7**					
Beryllium		0.21 B	0.29	0.029	mg/kg	SW846 6010C
Copper		22.4	1.4	0.058	mg/kg	SW846 6010C
Manganese		157	0.87	0.029	mg/kg	SW846 6010C
Nickel		3.7	2.3	0.029	mg/kg	SW846 6010C
Zinc		8.0	1.2	0.17	mg/kg	SW846 6010C

Summary of Hits

Job Number: FA14869
Account: ERM
Project: ECI; 100 Rego Dr, Elon, NC
Collected: 05/06/14 thru 05/07/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FA14869-16	**GP-41-23-25**					
No hits reported in this sample.						
FA14869-17	**GP-42-5-7**					
Acetone		32.8 J	61	18	ug/kg	SW846 8260B
Chloroform		30.6	6.1	1.4	ug/kg	SW846 8260B
cis-1,2-Dichloroethylene		15.6	6.1	1.2	ug/kg	SW846 8260B
Trichloroethylene		8290	360	73	ug/kg	SW846 8260B
FA14869-17L	**GP-42-5-7**					
Ethylbenzene		0.00092 J	0.0010	0.00028	mg/l	SW846 8260B
Styrene		0.0017	0.0010	0.00023	mg/l	SW846 8260B
Tetrachloroethylene		0.0019	0.0010	0.00026	mg/l	SW846 8260B
Toluene		0.0031	0.0010	0.00020	mg/l	SW846 8260B
Xylene (total)		0.0058	0.0030	0.00066	mg/l	SW846 8260B
FA14869-18	**GP-42-20-22**					
Acetone		29.9 J	58	17	ug/kg	SW846 8260B
Chloroform		2.7 J	5.8	1.3	ug/kg	SW846 8260B
cis-1,2-Dichloroethylene		11.7	5.8	1.2	ug/kg	SW846 8260B
Trichloroethylene		182	5.8	1.2	ug/kg	SW846 8260B
FA14869-18L	**GP-42-20-22**					
Benzene		0.00046 J	0.0010	0.00024	mg/l	SW846 8260B
Ethylbenzene		0.0024	0.0010	0.00028	mg/l	SW846 8260B
Tetrachloroethylene		0.0056	0.0010	0.00026	mg/l	SW846 8260B
Toluene		0.0107	0.0010	0.00020	mg/l	SW846 8260B
Xylene (total)		0.0150	0.0030	0.00066	mg/l	SW846 8260B
FA14869-19	**GP-43-8-10**					
Acetone		74.2	63	19	ug/kg	SW846 8260B
cis-1,2-Dichloroethylene		428	370	74	ug/kg	SW846 8260B
Trichloroethylene		205	6.3	1.3	ug/kg	SW846 8260B
FA14869-19L	**GP-43-8-10**					
cis-1,2-Dichloroethylene		0.0010	0.0010	0.00033	mg/l	SW846 8260B
Ethylbenzene		0.0016	0.0010	0.00028	mg/l	SW846 8260B
Toluene		0.0052	0.0010	0.00020	mg/l	SW846 8260B

Summary of Hits

Job Number: FA14869
Account: ERM
Project: ECI; 100 Rego Dr, Elon, NC
Collected: 05/06/14 thru 05/07/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Trichloroethylene		0.0017	0.0010	0.00030	mg/l	SW846 8260B
Xylene (total)		0.0104	0.0030	0.00066	mg/l	SW846 8260B
FA14869-20	**GP-43-28-30**					
cis-1,2-Dichloroethylene		1.7 J	7.1	1.4	ug/kg	SW846 8260B
Trichloroethylene		10	7.1	1.4	ug/kg	SW846 8260B
FA14869-20L	**GP-43-28-30**					
Tetrachloroethylene		0.00052 J	0.0010	0.00026	mg/l	SW846 8260B
Toluene		0.00042 J	0.0010	0.00020	mg/l	SW846 8260B
FA14869-21	**GP-44-5-7**					
Acetone		185	60	18	ug/kg	SW846 8260B
Chloroform		3.8 J	6.0	1.4	ug/kg	SW846 8260B
cis-1,2-Dichloroethylene		12.5	6.0	1.2	ug/kg	SW846 8260B
Methyl ethyl ketone		9.1 J	30	9.0	ug/kg	SW846 8260B
Trichloroethylene		201	6.0	1.2	ug/kg	SW846 8260B
FA14869-21L	**GP-44-5-7**					
Benzene		0.0501	0.0010	0.00024	mg/l	SW846 8260B
Ethylbenzene		0.0077	0.0010	0.00028	mg/l	SW846 8260B
Toluene		0.0791	0.0010	0.00020	mg/l	SW846 8260B
Xylene (total)		0.0730	0.0030	0.00066	mg/l	SW846 8260B
FA14869-22	**GP-44-23-25**					
Trichloroethylene		9.8	6.7	1.4	ug/kg	SW846 8260B
FA14869-22L	**GP-44-23-25**					
Ethylbenzene		0.00032 J	0.0010	0.00028	mg/l	SW846 8260B
Tetrachloroethylene		0.00043 J	0.0010	0.00026	mg/l	SW846 8260B
Toluene		0.0019	0.0010	0.00020	mg/l	SW846 8260B
Xylene (total)		0.0014 J	0.0030	0.00066	mg/l	SW846 8260B
FA14869-23	**DUP-1**					
Beryllium		0.18 B	0.28	0.028	mg/kg	SW846 6010C
Copper		18.3	1.4	0.055	mg/kg	SW846 6010C
Manganese		125	0.83	0.028	mg/kg	SW846 6010C
Nickel		3.1	2.2	0.028	mg/kg	SW846 6010C

Summary of Hits

Job Number: FA14869
Account: ERM
Project: ECI; 100 Rego Dr, Elon, NC
Collected: 05/06/14 thru 05/07/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Zinc		7.7	1.1	0.17	mg/kg	SW846 6010C
FA14869-24	**DUP-2**					
Acetone		22.7 J	62	19	ug/kg	SW846 8260B
Chloroform		3.1 J	6.2	1.4	ug/kg	SW846 8260B
cis-1,2-Dichloroethylene		21.3	6.2	1.2	ug/kg	SW846 8260B
Trichloroethylene		464	370	75	ug/kg	SW846 8260B
FA14869-25	**RB-1**					
Methylene chloride		2.3 J	5.0	2.0	ug/l	SW846 8260B
Toluene		0.37 J	1.0	0.20	ug/l	SW846 8260B
Copper		4.7 B	25	1.0	ug/l	SW846 6010C
Manganese		2.0 B	15	1.0	ug/l	SW846 6010C
Zinc		13.2 B	20	3.0	ug/l	SW846 6010C

(a) Elevated reporting limit(s) due to matrix interference.

Southeast ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	HA-4-0-1		
Lab Sample ID:	FA14869-1	**Date Sampled:**	05/06/14
Matrix:	SO - Soil	**Date Received:**	05/09/14
		Percent Solids:	88.6
Project:	ECI; 100 Rego Dr, Elon, NC		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Antimony	0.10 U	1.0	0.10	mg/kg	1	05/13/14	05/13/14	LM	SW846 6010C [1]	SW846 3050B [2]
Beryllium	0.23 B	0.26	0.026	mg/kg	1	05/13/14	05/13/14	LM	SW846 6010C [1]	SW846 3050B [2]
Copper	13.2	1.3	0.052	mg/kg	1	05/13/14	05/13/14	LM	SW846 6010C [1]	SW846 3050B [2]
Manganese	519	0.78	0.026	mg/kg	1	05/13/14	05/13/14	LM	SW846 6010C [1]	SW846 3050B [2]
Nickel	2.9	2.1	0.026	mg/kg	1	05/13/14	05/13/14	LM	SW846 6010C [1]	SW846 3050B [2]
Thallium	0.078 U	0.52	0.078	mg/kg	1	05/13/14	05/13/14	LM	SW846 6010C [1]	SW846 3050B [2]
Zinc	11.4	1.0	0.16	mg/kg	1	05/13/14	05/13/14	LM	SW846 6010C [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA11595
(2) Prep QC Batch: MP27247

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	BG-1-5		
Lab Sample ID:	FA14869-2	**Date Sampled:**	05/06/14
Matrix:	SO - Soil	**Date Received:**	05/09/14
		Percent Solids:	65.4
Project:	ECI; 100 Rego Dr, Elon, NC		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Antimony	0.15 U	1.5	0.15	mg/kg	1	05/13/14	05/13/14	LM	SW846 6010C [2]	SW846 3050B [4]
Arsenic	0.15 U	0.73	0.15	mg/kg	1	05/13/14	05/13/14	LM	SW846 6010C [2]	SW846 3050B [4]
Beryllium	0.29 B	0.36	0.036	mg/kg	1	05/13/14	05/13/14	LM	SW846 6010C [2]	SW846 3050B [4]
Cadmium	0.55	0.29	0.036	mg/kg	1	05/13/14	05/13/14	LM	SW846 6010C [2]	SW846 3050B [4]
Chromium	26.9	0.73	0.073	mg/kg	1	05/13/14	05/13/14	LM	SW846 6010C [2]	SW846 3050B [4]
Copper	27.0	1.8	0.073	mg/kg	1	05/13/14	05/13/14	LM	SW846 6010C [2]	SW846 3050B [4]
Lead	8.4	1.5	0.12	mg/kg	1	05/13/14	05/13/14	LM	SW846 6010C [2]	SW846 3050B [4]
Manganese	165	1.1	0.036	mg/kg	1	05/13/14	05/13/14	LM	SW846 6010C [2]	SW846 3050B [4]
Mercury	0.024 B	0.061	0.0061	mg/kg	1	05/12/14	05/12/14	JL	SW846 7471B [1]	SW846 7471B [3]
Nickel	3.9	2.9	0.036	mg/kg	1	05/13/14	05/13/14	LM	SW846 6010C [2]	SW846 3050B [4]
Selenium	0.22 U	1.5	0.22	mg/kg	1	05/13/14	05/13/14	LM	SW846 6010C [2]	SW846 3050B [4]
Silver	0.40 B	0.73	0.047	mg/kg	1	05/13/14	05/13/14	LM	SW846 6010C [2]	SW846 3050B [4]
Thallium	0.11 U	0.73	0.11	mg/kg	1	05/13/14	05/13/14	LM	SW846 6010C [2]	SW846 3050B [4]
Zinc	9.7	1.5	0.22	mg/kg	1	05/13/14	05/13/14	LM	SW846 6010C [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA11591
(2) Instrument QC Batch: MA11595
(3) Prep QC Batch: MP27243
(4) Prep QC Batch: MP27247

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	BG-1-15		
Lab Sample ID:	FA14869-3	**Date Sampled:**	05/06/14
Matrix:	SO - Soil	**Date Received:**	05/09/14
		Percent Solids:	56.3
Project:	ECI; 100 Rego Dr, Elon, NC		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Antimony [a]	1.3 B	7.2	0.72	mg/kg	5	05/13/14	05/14/14	LM	SW846 6010C [3]	SW846 3050B [5]
Arsenic [a]	1.4 B	3.6	0.72	mg/kg	5	05/13/14	05/14/14	LM	SW846 6010C [3]	SW846 3050B [5]
Beryllium [a]	0.51 B	1.8	0.18	mg/kg	5	05/13/14	05/14/14	LM	SW846 6010C [3]	SW846 3050B [5]
Cadmium [a]	0.36 B	1.4	0.18	mg/kg	5	05/13/14	05/14/14	LM	SW846 6010C [3]	SW846 3050B [5]
Chromium [a]	8.9	3.6	0.36	mg/kg	5	05/13/14	05/14/14	LM	SW846 6010C [3]	SW846 3050B [5]
Copper [a]	44.6	9.0	0.36	mg/kg	5	05/13/14	05/14/14	LM	SW846 6010C [3]	SW846 3050B [5]
Lead	6.6	1.4	0.12	mg/kg	1	05/13/14	05/13/14	LM	SW846 6010C [2]	SW846 3050B [5]
Manganese [a]	698	5.4	0.18	mg/kg	5	05/13/14	05/14/14	LM	SW846 6010C [3]	SW846 3050B [5]
Mercury	0.0078 B	0.066	0.0066	mg/kg	1	05/12/14	05/12/14	JL	SW846 7471B [1]	SW846 7471B [4]
Nickel [a]	6.3 B	14	0.18	mg/kg	5	05/13/14	05/14/14	LM	SW846 6010C [3]	SW846 3050B [5]
Selenium [a]	2.5 B	7.2	1.1	mg/kg	5	05/13/14	05/14/14	LM	SW846 6010C [3]	SW846 3050B [5]
Silver [a]	0.23 U	3.6	0.23	mg/kg	5	05/13/14	05/14/14	LM	SW846 6010C [3]	SW846 3050B [5]
Thallium [a]	0.54 U	3.6	0.54	mg/kg	5	05/13/14	05/14/14	LM	SW846 6010C [3]	SW846 3050B [5]
Zinc [a]	29.3	7.2	1.1	mg/kg	5	05/13/14	05/14/14	LM	SW846 6010C [3]	SW846 3050B [5]

(1) Instrument QC Batch: MA11591
(2) Instrument QC Batch: MA11595
(3) Instrument QC Batch: MA11598
(4) Prep QC Batch: MP27243
(5) Prep QC Batch: MP27247

(a) Elevated reporting limit(s) due to matrix interference.

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	BG-2-5		
Lab Sample ID:	FA14869-4	**Date Sampled:**	05/06/14
Matrix:	SO - Soil	**Date Received:**	05/09/14
		Percent Solids:	67.2
Project:	ECI; 100 Rego Dr, Elon, NC		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Antimony [a]	0.25 U	2.5	0.25	mg/kg	2	05/13/14	05/14/14	LM	SW846 6010C [3]	SW846 3050B [5]
Arsenic [a]	0.25 U	1.3	0.25	mg/kg	2	05/13/14	05/14/14	LM	SW846 6010C [3]	SW846 3050B [5]
Beryllium [a]	0.27 B	0.64	0.064	mg/kg	2	05/13/14	05/14/14	LM	SW846 6010C [3]	SW846 3050B [5]
Cadmium [a]	0.63	0.51	0.064	mg/kg	2	05/13/14	05/14/14	LM	SW846 6010C [3]	SW846 3050B [5]
Chromium [a]	41.5	1.3	0.13	mg/kg	2	05/13/14	05/14/14	LM	SW846 6010C [3]	SW846 3050B [5]
Copper [a]	26.5	3.2	0.13	mg/kg	2	05/13/14	05/14/14	LM	SW846 6010C [3]	SW846 3050B [5]
Lead	10.8	1.3	0.10	mg/kg	1	05/13/14	05/13/14	LM	SW846 6010C [2]	SW846 3050B [5]
Manganese [a]	56.6	1.9	0.064	mg/kg	2	05/13/14	05/14/14	LM	SW846 6010C [3]	SW846 3050B [5]
Mercury	0.015 B	0.056	0.0056	mg/kg	1	05/12/14	05/12/14	JL	SW846 7471B [1]	SW846 7471B [4]
Nickel [a]	6.1	5.1	0.064	mg/kg	2	05/13/14	05/14/14	LM	SW846 6010C [3]	SW846 3050B [5]
Selenium [a]	2.9	2.5	0.38	mg/kg	2	05/13/14	05/14/14	LM	SW846 6010C [3]	SW846 3050B [5]
Silver [a]	0.18 B	1.3	0.083	mg/kg	2	05/13/14	05/14/14	LM	SW846 6010C [3]	SW846 3050B [5]
Thallium [a]	0.19 U	1.3	0.19	mg/kg	2	05/13/14	05/14/14	LM	SW846 6010C [3]	SW846 3050B [5]
Zinc [a]	13.4	2.5	0.38	mg/kg	2	05/13/14	05/14/14	LM	SW846 6010C [3]	SW846 3050B [5]

(1) Instrument QC Batch: MA11591
(2) Instrument QC Batch: MA11595
(3) Instrument QC Batch: MA11598
(4) Prep QC Batch: MP27243
(5) Prep QC Batch: MP27247

(a) Elevated reporting limit(s) due to matrix interference.

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	BG-2-15		
Lab Sample ID:	FA14869-5	**Date Sampled:**	05/06/14
Matrix:	SO - Soil	**Date Received:**	05/09/14
		Percent Solids:	68.2
Project:	ECI; 100 Rego Dr, Elon, NC		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Antimony	0.12 U	1.2	0.12	mg/kg	1	05/13/14	05/13/14	LM	SW846 6010C [2]	SW846 3050B [4]
Arsenic	0.23 B	0.60	0.12	mg/kg	1	05/13/14	05/13/14	LM	SW846 6010C [2]	SW846 3050B [4]
Beryllium	0.095 B	0.30	0.030	mg/kg	1	05/13/14	05/13/14	LM	SW846 6010C [2]	SW846 3050B [4]
Cadmium	0.030 U	0.24	0.030	mg/kg	1	05/13/14	05/13/14	LM	SW846 6010C [2]	SW846 3050B [4]
Chromium	2.1	0.60	0.060	mg/kg	1	05/13/14	05/13/14	LM	SW846 6010C [2]	SW846 3050B [4]
Copper	11.6	1.5	0.060	mg/kg	1	05/13/14	05/13/14	LM	SW846 6010C [2]	SW846 3050B [4]
Lead	3.3	1.2	0.095	mg/kg	1	05/13/14	05/13/14	LM	SW846 6010C [2]	SW846 3050B [4]
Manganese	126	0.89	0.030	mg/kg	1	05/13/14	05/13/14	LM	SW846 6010C [2]	SW846 3050B [4]
Mercury	0.0055 U	0.055	0.0055	mg/kg	1	05/12/14	05/12/14	JL	SW846 7471B [1]	SW846 7471B [3]
Nickel	2.4	2.4	0.030	mg/kg	1	05/13/14	05/13/14	LM	SW846 6010C [2]	SW846 3050B [4]
Selenium	0.18 U	1.2	0.18	mg/kg	1	05/13/14	05/13/14	LM	SW846 6010C [2]	SW846 3050B [4]
Silver	0.039 U	0.60	0.039	mg/kg	1	05/13/14	05/13/14	LM	SW846 6010C [2]	SW846 3050B [4]
Thallium	0.089 U	0.60	0.089	mg/kg	1	05/13/14	05/13/14	LM	SW846 6010C [2]	SW846 3050B [4]
Zinc	20.0	1.2	0.18	mg/kg	1	05/13/14	05/13/14	LM	SW846 6010C [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA11591
(2) Instrument QC Batch: MA11595
(3) Prep QC Batch: MP27243
(4) Prep QC Batch: MP27247

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	BG-3-5		
Lab Sample ID:	FA14869-6	**Date Sampled:**	05/06/14
Matrix:	SO - Soil	**Date Received:**	05/09/14
		Percent Solids:	73.3
Project:	ECI; 100 Rego Dr, Elon, NC		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Antimony	0.12 U	1.2	0.12	mg/kg	1	05/13/14	05/13/14	LM	SW846 6010C [2]	SW846 3050B [4]
Arsenic	0.34 B	0.60	0.12	mg/kg	1	05/13/14	05/13/14	LM	SW846 6010C [2]	SW846 3050B [4]
Beryllium	0.13 B	0.30	0.030	mg/kg	1	05/13/14	05/13/14	LM	SW846 6010C [2]	SW846 3050B [4]
Cadmium	0.030 U	0.24	0.030	mg/kg	1	05/13/14	05/13/14	LM	SW846 6010C [2]	SW846 3050B [4]
Chromium	11.1	0.60	0.060	mg/kg	1	05/13/14	05/13/14	LM	SW846 6010C [2]	SW846 3050B [4]
Copper	13.7	1.5	0.060	mg/kg	1	05/13/14	05/13/14	LM	SW846 6010C [2]	SW846 3050B [4]
Lead	5.8	1.2	0.096	mg/kg	1	05/13/14	05/13/14	LM	SW846 6010C [2]	SW846 3050B [4]
Manganese	29.5	0.90	0.030	mg/kg	1	05/13/14	05/13/14	LM	SW846 6010C [2]	SW846 3050B [4]
Mercury	0.011 B	0.052	0.0052	mg/kg	1	05/12/14	05/12/14	JL	SW846 7471B [1]	SW846 7471B [3]
Nickel	1.6 B	2.4	0.030	mg/kg	1	05/13/14	05/13/14	LM	SW846 6010C [2]	SW846 3050B [4]
Selenium	0.18 U	1.2	0.18	mg/kg	1	05/13/14	05/13/14	LM	SW846 6010C [2]	SW846 3050B [4]
Silver	0.078 B	0.60	0.039	mg/kg	1	05/13/14	05/13/14	LM	SW846 6010C [2]	SW846 3050B [4]
Thallium	0.090 U	0.60	0.090	mg/kg	1	05/13/14	05/13/14	LM	SW846 6010C [2]	SW846 3050B [4]
Zinc	10.8	1.2	0.18	mg/kg	1	05/13/14	05/13/14	LM	SW846 6010C [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA11591
(2) Instrument QC Batch: MA11595
(3) Prep QC Batch: MP27243
(4) Prep QC Batch: MP27247

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	BG-3-15		
Lab Sample ID:	FA14869-7	**Date Sampled:**	05/06/14
Matrix:	SO - Soil	**Date Received:**	05/09/14
		Percent Solids:	70.6
Project:	ECI; 100 Rego Dr, Elon, NC		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Antimony [a]	0.45 U	4.5	0.45	mg/kg	4	05/13/14	05/14/14	LM	SW846 6010C [3]	SW846 3050B [5]
Arsenic [a]	0.56 B	2.2	0.45	mg/kg	4	05/13/14	05/14/14	LM	SW846 6010C [3]	SW846 3050B [5]
Beryllium [a]	0.11 U	1.1	0.11	mg/kg	4	05/13/14	05/14/14	LM	SW846 6010C [3]	SW846 3050B [5]
Cadmium [a]	0.11 U	0.90	0.11	mg/kg	4	05/13/14	05/14/14	LM	SW846 6010C [3]	SW846 3050B [5]
Chromium [a]	5.1	2.2	0.22	mg/kg	4	05/13/14	05/14/14	LM	SW846 6010C [3]	SW846 3050B [5]
Copper [a]	46.4	5.6	0.22	mg/kg	4	05/13/14	05/14/14	LM	SW846 6010C [3]	SW846 3050B [5]
Lead	4.7	1.1	0.090	mg/kg	1	05/13/14	05/13/14	LM	SW846 6010C [2]	SW846 3050B [5]
Manganese [a]	198	3.4	0.11	mg/kg	4	05/13/14	05/14/14	LM	SW846 6010C [3]	SW846 3050B [5]
Mercury	0.0057 U	0.057	0.0057	mg/kg	1	05/12/14	05/12/14	JL	SW846 7471B [1]	SW846 7471B [4]
Nickel [a]	2.4 B	9.0	0.11	mg/kg	4	05/13/14	05/14/14	LM	SW846 6010C [3]	SW846 3050B [5]
Selenium [a]	0.76 B	4.5	0.67	mg/kg	4	05/13/14	05/14/14	LM	SW846 6010C [3]	SW846 3050B [5]
Silver [a]	0.15 U	2.2	0.15	mg/kg	4	05/13/14	05/14/14	LM	SW846 6010C [3]	SW846 3050B [5]
Thallium [a]	0.34 U	2.2	0.34	mg/kg	4	05/13/14	05/14/14	LM	SW846 6010C [3]	SW846 3050B [5]
Zinc [a]	42.5	4.5	0.67	mg/kg	4	05/13/14	05/14/14	LM	SW846 6010C [3]	SW846 3050B [5]

(1) Instrument QC Batch: MA11591
(2) Instrument QC Batch: MA11595
(3) Instrument QC Batch: MA11598
(4) Prep QC Batch: MP27243
(5) Prep QC Batch: MP27247

(a) Elevated reporting limit(s) due to matrix interference.

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	BG-4-5		
Lab Sample ID:	FA14869-8	**Date Sampled:**	05/06/14
Matrix:	SO - Soil	**Date Received:**	05/09/14
		Percent Solids:	71.2
Project:	ECI; 100 Rego Dr, Elon, NC		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Antimony [a]	0.25 U	2.5	0.25	mg/kg	2	05/13/14	05/14/14	LM	SW846 6010C [3]	SW846 3050B [5]
Arsenic [a]	0.30 B	1.3	0.25	mg/kg	2	05/13/14	05/14/14	LM	SW846 6010C [3]	SW846 3050B [5]
Beryllium [a]	0.15 B	0.63	0.063	mg/kg	2	05/13/14	05/14/14	LM	SW846 6010C [3]	SW846 3050B [5]
Cadmium [a]	0.26 B	0.50	0.063	mg/kg	2	05/13/14	05/14/14	LM	SW846 6010C [3]	SW846 3050B [5]
Chromium [a]	10.2	1.3	0.13	mg/kg	2	05/13/14	05/14/14	LM	SW846 6010C [3]	SW846 3050B [5]
Copper [a]	19.8	3.1	0.13	mg/kg	2	05/13/14	05/14/14	LM	SW846 6010C [3]	SW846 3050B [5]
Lead	7.3	1.3	0.10	mg/kg	1	05/13/14	05/13/14	LM	SW846 6010C [2]	SW846 3050B [5]
Manganese [a]	127	1.9	0.063	mg/kg	2	05/13/14	05/14/14	LM	SW846 6010C [3]	SW846 3050B [5]
Mercury	0.033 B	0.052	0.0052	mg/kg	1	05/12/14	05/12/14	JL	SW846 7471B [1]	SW846 7471B [4]
Nickel [a]	2.4 B	5.0	0.063	mg/kg	2	05/13/14	05/14/14	LM	SW846 6010C [3]	SW846 3050B [5]
Selenium [a]	1.9 B	2.5	0.38	mg/kg	2	05/13/14	05/14/14	LM	SW846 6010C [3]	SW846 3050B [5]
Silver [a]	0.094 B	1.3	0.082	mg/kg	2	05/13/14	05/14/14	LM	SW846 6010C [3]	SW846 3050B [5]
Thallium [b]	1.9 U	2.6	1.9	mg/kg	2	05/13/14	05/14/14	LM	SW846 6010C [3]	SW846 3050B [5]
Zinc [a]	39.2	2.5	0.38	mg/kg	2	05/13/14	05/14/14	LM	SW846 6010C [3]	SW846 3050B [5]

(1) Instrument QC Batch: MA11591
(2) Instrument QC Batch: MA11595
(3) Instrument QC Batch: MA11598
(4) Prep QC Batch: MP27243
(5) Prep QC Batch: MP27247

(a) Elevated reporting limit(s) due to matrix interference.
(b) Elevated reporting limit(s) due to matrix interference. Manually elevated.

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	BG-4-15		
Lab Sample ID:	FA14869-9	**Date Sampled:**	05/06/14
Matrix:	SO - Soil	**Date Received:**	05/09/14
		Percent Solids:	66.0
Project:	ECI; 100 Rego Dr, Elon, NC		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Antimony [a]	1.3 U	13	1.3	mg/kg	10	05/13/14	05/14/14	LM	SW846 6010C [3]	SW846 3050B [5]
Arsenic [a]	1.7 B	6.4	1.3	mg/kg	10	05/13/14	05/14/14	LM	SW846 6010C [3]	SW846 3050B [5]
Beryllium [a]	0.45 B	3.2	0.32	mg/kg	10	05/13/14	05/14/14	LM	SW846 6010C [3]	SW846 3050B [5]
Cadmium [a]	0.32 U	2.5	0.32	mg/kg	10	05/13/14	05/14/14	LM	SW846 6010C [3]	SW846 3050B [5]
Chromium [a]	9.4	6.4	0.64	mg/kg	10	05/13/14	05/14/14	LM	SW846 6010C [3]	SW846 3050B [5]
Copper [a]	40.7	16	0.64	mg/kg	10	05/13/14	05/14/14	LM	SW846 6010C [3]	SW846 3050B [5]
Lead	8.0	1.3	0.10	mg/kg	1	05/13/14	05/13/14	LM	SW846 6010C [2]	SW846 3050B [5]
Manganese [a]	1060	9.5	0.32	mg/kg	10	05/13/14	05/14/14	LM	SW846 6010C [3]	SW846 3050B [5]
Mercury	0.0060 U	0.060	0.0060	mg/kg	1	05/12/14	05/12/14	JL	SW846 7471B [1]	SW846 7471B [4]
Nickel [a]	8.9 B	25	0.32	mg/kg	10	05/13/14	05/14/14	LM	SW846 6010C [3]	SW846 3050B [5]
Selenium [a]	2.2 B	13	1.9	mg/kg	10	05/13/14	05/14/14	LM	SW846 6010C [3]	SW846 3050B [5]
Silver [a]	0.41 U	6.4	0.41	mg/kg	10	05/13/14	05/14/14	LM	SW846 6010C [3]	SW846 3050B [5]
Thallium [a]	0.95 U	6.4	0.95	mg/kg	10	05/13/14	05/14/14	LM	SW846 6010C [3]	SW846 3050B [5]
Zinc [a]	107	13	1.9	mg/kg	10	05/13/14	05/14/14	LM	SW846 6010C [3]	SW846 3050B [5]

(1) Instrument QC Batch: MA11591
(2) Instrument QC Batch: MA11595
(3) Instrument QC Batch: MA11598
(4) Prep QC Batch: MP27243
(5) Prep QC Batch: MP27247

(a) Elevated reporting limit(s) due to matrix interference.

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	BG-5-5		
Lab Sample ID:	FA14869-10	**Date Sampled:**	05/06/14
Matrix:	SO - Soil	**Date Received:**	05/09/14
		Percent Solids:	70.2
Project:	ECI; 100 Rego Dr, Elon, NC		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Antimony [a]	0.59 U	5.9	0.59	mg/kg	5	05/13/14	05/14/14	LM	SW846 6010C [3]	SW846 3050B [5]
Arsenic [a]	1.0 B	3.0	0.59	mg/kg	5	05/13/14	05/14/14	LM	SW846 6010C [3]	SW846 3050B [5]
Beryllium [a]	0.15 U	1.5	0.15	mg/kg	5	05/13/14	05/14/14	LM	SW846 6010C [3]	SW846 3050B [5]
Cadmium [a]	0.15 B	1.2	0.15	mg/kg	5	05/13/14	05/14/14	LM	SW846 6010C [3]	SW846 3050B [5]
Chromium [a]	17.8	3.0	0.30	mg/kg	5	05/13/14	05/14/14	LM	SW846 6010C [3]	SW846 3050B [5]
Copper [a]	6.1 B	7.4	0.30	mg/kg	5	05/13/14	05/14/14	LM	SW846 6010C [3]	SW846 3050B [5]
Lead	20.6	1.2	0.095	mg/kg	1	05/13/14	05/13/14	LM	SW846 6010C [2]	SW846 3050B [5]
Manganese [a]	1080	4.5	0.15	mg/kg	5	05/13/14	05/14/14	LM	SW846 6010C [3]	SW846 3050B [5]
Mercury	0.024 B	0.055	0.0055	mg/kg	1	05/12/14	05/12/14	JL	SW846 7471B [1]	SW846 7471B [4]
Nickel [a]	7.0 B	12	0.15	mg/kg	5	05/13/14	05/14/14	LM	SW846 6010C [3]	SW846 3050B [5]
Selenium [a]	1.1 B	5.9	0.89	mg/kg	5	05/13/14	05/14/14	LM	SW846 6010C [3]	SW846 3050B [5]
Silver [a]	0.19 U	3.0	0.19	mg/kg	5	05/13/14	05/14/14	LM	SW846 6010C [3]	SW846 3050B [5]
Thallium [a]	0.45 U	3.0	0.45	mg/kg	5	05/13/14	05/14/14	LM	SW846 6010C [3]	SW846 3050B [5]
Zinc [a]	64.0	5.9	0.89	mg/kg	5	05/13/14	05/14/14	LM	SW846 6010C [3]	SW846 3050B [5]

(1) Instrument QC Batch: MA11591
(2) Instrument QC Batch: MA11595
(3) Instrument QC Batch: MA11598
(4) Prep QC Batch: MP27243
(5) Prep QC Batch: MP27247

(a) Elevated reporting limit(s) due to matrix interference.

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	BG-5-13		
Lab Sample ID:	FA14869-11	**Date Sampled:**	05/06/14
Matrix:	SO - Soil	**Date Received:**	05/09/14
		Percent Solids:	64.5
Project:	ECI; 100 Rego Dr, Elon, NC		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Antimony [a]	2.8 U	28	2.8	mg/kg	20	05/13/14	05/14/14	LM	SW846 6010C [3]	SW846 3050B [5]
Arsenic [a]	3.5 B	14	2.8	mg/kg	20	05/13/14	05/14/14	LM	SW846 6010C [3]	SW846 3050B [5]
Beryllium [a]	0.88 B	7.0	0.70	mg/kg	20	05/13/14	05/14/14	LM	SW846 6010C [3]	SW846 3050B [5]
Cadmium [a]	0.70 U	5.6	0.70	mg/kg	20	05/13/14	05/14/14	LM	SW846 6010C [3]	SW846 3050B [5]
Chromium [a]	28.8	14	1.4	mg/kg	20	05/13/14	05/14/14	LM	SW846 6010C [3]	SW846 3050B [5]
Copper [a]	23.3 B	35	1.4	mg/kg	20	05/13/14	05/14/14	LM	SW846 6010C [3]	SW846 3050B [5]
Lead	8.3	1.4	0.11	mg/kg	1	05/13/14	05/13/14	LM	SW846 6010C [2]	SW846 3050B [5]
Manganese [a]	1260	21	0.70	mg/kg	20	05/13/14	05/14/14	LM	SW846 6010C [3]	SW846 3050B [5]
Mercury	0.0063 U	0.063	0.0063	mg/kg	1	05/12/14	05/12/14	JL	SW846 7471B [1]	SW846 7471B [4]
Nickel [a]	25.4 B	56	0.70	mg/kg	20	05/13/14	05/14/14	LM	SW846 6010C [3]	SW846 3050B [5]
Selenium [a]	4.2 U	28	4.2	mg/kg	20	05/13/14	05/14/14	LM	SW846 6010C [3]	SW846 3050B [5]
Silver [a]	0.92 U	14	0.92	mg/kg	20	05/13/14	05/14/14	LM	SW846 6010C [3]	SW846 3050B [5]
Thallium [a]	2.1 U	14	2.1	mg/kg	20	05/13/14	05/14/14	LM	SW846 6010C [3]	SW846 3050B [5]
Zinc [a]	104	28	4.2	mg/kg	20	05/13/14	05/14/14	LM	SW846 6010C [3]	SW846 3050B [5]

(1) Instrument QC Batch: MA11591
(2) Instrument QC Batch: MA11595
(3) Instrument QC Batch: MA11598
(4) Prep QC Batch: MP27243
(5) Prep QC Batch: MP27247

(a) Elevated reporting limit(s) due to matrix interference.

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	TRIP BLANK-2		
Lab Sample ID:	FA14869-12	**Date Sampled:**	05/06/14
Matrix:	AQ - Trip Blank Soil	**Date Received:**	05/09/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z25592.D	1	05/15/14	KW	n/a	n/a	VZ1001
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	11	ug/l	
107-02-8	Acrolein	ND	20	6.4	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.24	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.31	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.38	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.26	ug/l	
75-25-2	Bromoform	ND	1.0	0.38	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.30	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.27	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.31	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.23	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.29	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.40	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.25	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.78	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.24	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.24	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.36	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.34	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.33	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.36	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.33	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK-2		
Lab Sample ID:	FA14869-12	**Date Sampled:**	05/06/14
Matrix:	AQ - Trip Blank Soil	**Date Received:**	05/09/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.29	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.34	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.28	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.24	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.53	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.29	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	1.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.24	ug/l	
100-42-5	Styrene	ND	1.0	0.23	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.34	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.27	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.32	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.57	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.24	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.26	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.30	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.33	ug/l	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
	m,p-Xylene	ND	2.0	0.48	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK-2		
Lab Sample ID:	FA14869-12	**Date Sampled:**	05/06/14
Matrix:	AQ - Trip Blank Soil	**Date Received:**	05/09/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		83-118%
17060-07-0	1,2-Dichloroethane-D4	115%		79-125%
2037-26-5	Toluene-D8	102%		85-112%
460-00-4	4-Bromofluorobenzene	91%		83-118%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GP-40-5-7		
Lab Sample ID:	FA14869-13	**Date Sampled:**	05/07/14
Matrix:	SO - Soil	**Date Received:**	05/09/14
Method:	SW846 8260B	**Percent Solids:**	78.6
Project:	ECI; 100 Rego Dr, Elon, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C098303.D	1	05/09/14	AH	n/a	n/a	VC3942
Run #2							

	Initial Weight
Run #1	5.40 g
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	23.5	59	18	ug/kg	J
107-02-8	Acrolein	ND	29	13	ug/kg	
107-13-1	Acrylonitrile	ND	29	9.2	ug/kg	
71-43-2	Benzene	ND	5.9	1.2	ug/kg	
108-86-1	Bromobenzene	ND	5.9	1.3	ug/kg	
74-97-5	Bromochloromethane	ND	5.9	2.3	ug/kg	
75-27-4	Bromodichloromethane	ND	5.9	1.2	ug/kg	
75-25-2	Bromoform	ND	5.9	1.3	ug/kg	
104-51-8	n-Butylbenzene	ND	5.9	1.2	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.9	1.2	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.9	1.2	ug/kg	
108-90-7	Chlorobenzene	ND	5.9	1.2	ug/kg	
75-00-3	Chloroethane	ND	5.9	2.7	ug/kg	
67-66-3	Chloroform	2.0	5.9	1.3	ug/kg	J
95-49-8	o-Chlorotoluene	ND	5.9	1.2	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.9	1.2	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	29	12	ug/kg	
75-15-0	Carbon disulfide	ND	5.9	1.2	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.9	1.6	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.9	1.2	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.9	1.2	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.9	1.3	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.9	2.5	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.9	2.1	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.9	1.2	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.9	1.2	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.9	1.2	ug/kg	
123-91-1	1,4-Dioxane	ND	240	62	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.9	1.7	ug/kg	
124-48-1	Dibromochloromethane	ND	5.9	1.2	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.9	1.5	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	12.8	5.9	1.2	ug/kg	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GP-40-5-7		
Lab Sample ID:	FA14869-13	**Date Sampled:**	05/07/14
Matrix:	SO - Soil	**Date Received:**	05/09/14
Method:	SW846 8260B	**Percent Solids:**	78.6
Project:	ECI; 100 Rego Dr, Elon, NC		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-01-5	cis-1,3-Dichloropropene	ND	5.9	1.2	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.9	1.2	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.9	1.2	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.9	1.3	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.9	1.6	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.9	1.2	ug/kg	
100-41-4	Ethylbenzene	ND	5.9	1.2	ug/kg	
591-78-6	2-Hexanone	ND	29	5.8	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.9	1.2	ug/kg	
98-82-8	Isopropylbenzene	ND	5.9	1.2	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.9	1.2	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	29	5.9	ug/kg	
74-83-9	Methyl bromide	ND	5.9	2.2	ug/kg	
74-87-3	Methyl chloride	ND	5.9	2.4	ug/kg	
74-95-3	Methylene bromide	ND	5.9	1.4	ug/kg	
75-09-2	Methylene chloride	ND	12	4.7	ug/kg	
78-93-3	Methyl ethyl ketone	ND	29	8.8	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.9	1.2	ug/kg	
91-20-3	Naphthalene	ND	5.9	2.4	ug/kg	
103-65-1	n-Propylbenzene	ND	5.9	1.2	ug/kg	
100-42-5	Styrene	ND	5.9	1.2	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.9	1.2	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.9	1.2	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.9	1.7	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.9	1.9	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.9	1.4	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.9	2.2	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.9	1.4	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	5.9	1.2	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.9	1.2	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.9	1.5	ug/kg	
108-88-3	Toluene	ND	5.9	1.2	ug/kg	
79-01-6	Trichloroethylene	157	5.9	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.9	1.2	ug/kg	
75-01-4	Vinyl chloride	ND	5.9	1.2	ug/kg	
108-05-4	Vinyl Acetate	ND	29	9.4	ug/kg	
	m,p-Xylene	ND	12	1.9	ug/kg	
95-47-6	o-Xylene	ND	5.9	1.3	ug/kg	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GP-40-5-7		
Lab Sample ID:	FA14869-13	**Date Sampled:**	05/07/14
Matrix:	SO - Soil	**Date Received:**	05/09/14
Method:	SW846 8260B	**Percent Solids:**	78.6
Project:	ECI; 100 Rego Dr, Elon, NC		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	110%		75-124%
2037-26-5	Toluene-D8	105%		75-126%
460-00-4	4-Bromofluorobenzene	96%		71-133%
17060-07-0	1,2-Dichloroethane-D4	112%		72-135%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile [a]		0	ug/kg	

(a) No TICs detected.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GP-40-5-7		
Lab Sample ID:	FA14869-13L	**Date Sampled:**	05/07/14
Matrix:	SO - Soil	**Date Received:**	05/09/14
Method:	SW846 8260B SW846 1312	**Percent Solids:**	78.6
Project:	ECI; 100 Rego Dr, Elon, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0076492.D	1	05/19/14	RB	05/13/14	OP51578	VN3348
Run #2	N0076494.D	5	05/19/14	RB	05/13/14	OP51578	VN3348

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA TCL List **SPLP Leachate method SW846 1312**

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
67-64-1	Acetone	ND		0.025	0.011	mg/l	
71-43-2	Benzene	0.0052		0.0010	0.00024	mg/l	
75-27-4	Bromodichloromethane	ND		0.0010	0.00026	mg/l	
75-25-2	Bromoform	ND		0.0010	0.00038	mg/l	
108-90-7	Chlorobenzene	ND		0.0010	0.00024	mg/l	
75-00-3	Chloroethane	ND		0.0020	0.00050	mg/l	
67-66-3	Chloroform	ND		0.0010	0.00031	mg/l	
75-15-0	Carbon disulfide	ND		0.0020	0.00020	mg/l	
56-23-5	Carbon tetrachloride	ND		0.0010	0.00040	mg/l	
75-34-3	1,1-Dichloroethane	ND		0.0010	0.00026	mg/l	
75-35-4	1,1-Dichloroethylene	ND		0.0010	0.00025	mg/l	
107-06-2	1,2-Dichloroethane	ND		0.0010	0.00024	mg/l	
78-87-5	1,2-Dichloropropane	ND		0.0010	0.00036	mg/l	
124-48-1	Dibromochloromethane	ND		0.0010	0.00036	mg/l	
156-59-2	cis-1,2-Dichloroethylene	ND		0.0010	0.00033	mg/l	
10061-01-5	cis-1,3-Dichloropropene	ND		0.0010	0.00021	mg/l	
156-60-5	trans-1,2-Dichloroethylene	ND		0.0010	0.00034	mg/l	
10061-02-6	trans-1,3-Dichloropropene	ND		0.0010	0.00021	mg/l	
100-41-4	Ethylbenzene	0.0378		0.0010	0.00028	mg/l	
591-78-6	2-Hexanone	ND		0.010	0.0020	mg/l	
108-10-1	4-Methyl-2-pentanone	ND		0.0050	0.0010	mg/l	
74-83-9	Methyl bromide	ND		0.0020	0.00054	mg/l	
74-87-3	Methyl chloride	ND		0.0020	0.00053	mg/l	
75-09-2	Methylene chloride	0.0047		0.0050	0.0020	mg/l	J
78-93-3	Methyl ethyl ketone	ND		0.0050	0.0015	mg/l	
100-42-5	Styrene	ND		0.0010	0.00023	mg/l	
71-55-6	1,1,1-Trichloroethane	ND		0.0010	0.00034	mg/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.0010	0.00027	mg/l	
79-00-5	1,1,2-Trichloroethane	ND		0.0010	0.00032	mg/l	
127-18-4	Tetrachloroethylene	0.0023		0.0010	0.00026	mg/l	
108-88-3	Toluene	0.0945 [a]		0.0050	0.0010	mg/l	
79-01-6	Trichloroethylene	0.0012		0.0010	0.00030	mg/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
MCL = Maximum Contamination Level (not available) B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GP-40-5-7		
Lab Sample ID:	FA14869-13L	**Date Sampled:**	05/07/14
Matrix:	SO - Soil	**Date Received:**	05/09/14
Method:	SW846 8260B SW846 1312	**Percent Solids:**	78.6
Project:	ECI; 100 Rego Dr, Elon, NC		

VOA TCL List **SPLP Leachate method SW846 1312**

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND		0.0010	0.00033	mg/l	
1330-20-7	Xylene (total)	0.220		0.0030	0.00066	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%	98%	83-118%
17060-07-0	1,2-Dichloroethane-D4	104%	96%	79-125%
2037-26-5	Toluene-D8	96%	94%	85-112%
460-00-4	4-Bromofluorobenzene	100%	101%	83-118%

(a) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
MCL = Maximum Contamination Level (not available) B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GP-40-18-20		
Lab Sample ID:	FA14869-14	**Date Sampled:**	05/07/14
Matrix:	SO - Soil	**Date Received:**	05/09/14
Method:	SW846 8260B	**Percent Solids:**	71.5
Project:	ECI; 100 Rego Dr, Elon, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C098304.D	1	05/09/14	AH	n/a	n/a	VC3942
Run #2	C098328.D	1	05/12/14	AH	n/a	n/a	VC3943

	Initial Weight	Methanol Aliquot
Run #1	5.50 g	
Run #2	5.19 g	100 ul

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	19.3	64	19	ug/kg	J
107-02-8	Acrolein	ND	32	14	ug/kg	
107-13-1	Acrylonitrile	ND	32	9.9	ug/kg	
71-43-2	Benzene	ND	6.4	1.3	ug/kg	
108-86-1	Bromobenzene	ND	6.4	1.4	ug/kg	
74-97-5	Bromochloromethane	ND	6.4	2.4	ug/kg	
75-27-4	Bromodichloromethane	ND	6.4	1.3	ug/kg	
75-25-2	Bromoform	ND	6.4	1.4	ug/kg	
104-51-8	n-Butylbenzene	ND	6.4	1.3	ug/kg	
135-98-8	sec-Butylbenzene	ND	6.4	1.3	ug/kg	
98-06-6	tert-Butylbenzene	ND	6.4	1.3	ug/kg	
108-90-7	Chlorobenzene	ND	6.4	1.3	ug/kg	
75-00-3	Chloroethane	ND	6.4	2.9	ug/kg	
67-66-3	Chloroform	ND	6.4	1.4	ug/kg	
95-49-8	o-Chlorotoluene	ND	6.4	1.3	ug/kg	
106-43-4	p-Chlorotoluene	ND	6.4	1.3	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	32	13	ug/kg	
75-15-0	Carbon disulfide	ND	6.4	1.3	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.4	1.8	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.4	1.3	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.4	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	6.4	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	6.4	2.7	ug/kg	
106-93-4	1,2-Dibromoethane	ND	6.4	2.3	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.4	1.3	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.4	1.3	ug/kg	
142-28-9	1,3-Dichloropropane	ND	6.4	1.3	ug/kg	
123-91-1	1,4-Dioxane	ND	250	67	ug/kg	
594-20-7	2,2-Dichloropropane	ND	6.4	1.8	ug/kg	
124-48-1	Dibromochloromethane	ND	6.4	1.3	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	6.4	1.6	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	11.1	6.4	1.3	ug/kg	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GP-40-18-20		
Lab Sample ID:	FA14869-14	**Date Sampled:**	05/07/14
Matrix:	SO - Soil	**Date Received:**	05/09/14
Method:	SW846 8260B	**Percent Solids:**	71.5
Project:	ECI; 100 Rego Dr, Elon, NC		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-01-5	cis-1,3-Dichloropropene	ND	6.4	1.3	ug/kg	
541-73-1	m-Dichlorobenzene	ND	6.4	1.3	ug/kg	
95-50-1	o-Dichlorobenzene	ND	6.4	1.3	ug/kg	
106-46-7	p-Dichlorobenzene	ND	6.4	1.4	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.4	1.7	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.4	1.3	ug/kg	
100-41-4	Ethylbenzene	ND	6.4	1.3	ug/kg	
591-78-6	2-Hexanone	ND	32	6.2	ug/kg	
87-68-3	Hexachlorobutadiene	ND	6.4	1.3	ug/kg	
98-82-8	Isopropylbenzene	ND	6.4	1.3	ug/kg	
99-87-6	p-Isopropyltoluene	ND	6.4	1.3	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	32	6.4	ug/kg	
74-83-9	Methyl bromide	ND	6.4	2.4	ug/kg	
74-87-3	Methyl chloride	ND	6.4	2.5	ug/kg	
74-95-3	Methylene bromide	ND	6.4	1.5	ug/kg	
75-09-2	Methylene chloride	ND	13	5.1	ug/kg	
78-93-3	Methyl ethyl ketone	ND	32	9.5	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	6.4	1.3	ug/kg	
91-20-3	Naphthalene	ND	6.4	2.5	ug/kg	
103-65-1	n-Propylbenzene	ND	6.4	1.3	ug/kg	
100-42-5	Styrene	ND	6.4	1.3	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	6.4	1.3	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.4	1.3	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.4	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.4	2.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	6.4	1.5	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	6.4	2.4	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.4	1.5	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	6.4	1.3	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	6.4	1.3	ug/kg	
127-18-4	Tetrachloroethylene	4.3	6.4	1.6	ug/kg	J
108-88-3	Toluene	ND	6.4	1.3	ug/kg	
79-01-6	Trichloroethylene	308 [a]	440	89	ug/kg	J
75-69-4	Trichlorofluoromethane	ND	6.4	1.3	ug/kg	
75-01-4	Vinyl chloride	ND	6.4	1.3	ug/kg	
108-05-4	Vinyl Acetate	ND	32	10	ug/kg	
	m,p-Xylene	ND	13	2.0	ug/kg	
95-47-6	o-Xylene	ND	6.4	1.4	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GP-40-18-20		
Lab Sample ID:	FA14869-14	**Date Sampled:**	05/07/14
Matrix:	SO - Soil	**Date Received:**	05/09/14
Method:	SW846 8260B	**Percent Solids:**	71.5
Project:	ECI; 100 Rego Dr, Elon, NC		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	110%	111%	75-124%
2037-26-5	Toluene-D8	102%	104%	75-126%
460-00-4	4-Bromofluorobenzene	100%	99%	71-133%
17060-07-0	1,2-Dichloroethane-D4	114%	114%	72-135%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile [b]		0	ug/kg	

(a) Result is from Run# 2
(b) No TICs detected.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GP-40-18-20		
Lab Sample ID:	FA14869-14L	**Date Sampled:**	05/07/14
Matrix:	SO - Soil	**Date Received:**	05/09/14
Method:	SW846 8260B SW846 1312	**Percent Solids:**	71.5
Project:	ECI; 100 Rego Dr, Elon, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0076495.D	1	05/19/14	RB	05/13/14	OP51578	VN3348
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List **SPLP Leachate method SW846 1312**

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
67-64-1	Acetone	ND		0.025	0.011	mg/l	
71-43-2	Benzene	0.00030		0.0010	0.00024	mg/l	J
75-27-4	Bromodichloromethane	ND		0.0010	0.00026	mg/l	
75-25-2	Bromoform	ND		0.0010	0.00038	mg/l	
108-90-7	Chlorobenzene	ND		0.0010	0.00024	mg/l	
75-00-3	Chloroethane	ND		0.0020	0.00050	mg/l	
67-66-3	Chloroform	ND		0.0010	0.00031	mg/l	
75-15-0	Carbon disulfide	ND		0.0020	0.00020	mg/l	
56-23-5	Carbon tetrachloride	ND		0.0010	0.00040	mg/l	
75-34-3	1,1-Dichloroethane	ND		0.0010	0.00026	mg/l	
75-35-4	1,1-Dichloroethylene	ND		0.0010	0.00025	mg/l	
107-06-2	1,2-Dichloroethane	ND		0.0010	0.00024	mg/l	
78-87-5	1,2-Dichloropropane	ND		0.0010	0.00036	mg/l	
124-48-1	Dibromochloromethane	ND		0.0010	0.00036	mg/l	
156-59-2	cis-1,2-Dichloroethylene	ND		0.0010	0.00033	mg/l	
10061-01-5	cis-1,3-Dichloropropene	ND		0.0010	0.00021	mg/l	
156-60-5	trans-1,2-Dichloroethylene	ND		0.0010	0.00034	mg/l	
10061-02-6	trans-1,3-Dichloropropene	ND		0.0010	0.00021	mg/l	
100-41-4	Ethylbenzene	0.0170		0.0010	0.00028	mg/l	
591-78-6	2-Hexanone	ND		0.010	0.0020	mg/l	
108-10-1	4-Methyl-2-pentanone	ND		0.0050	0.0010	mg/l	
74-83-9	Methyl bromide	ND		0.0020	0.00054	mg/l	
74-87-3	Methyl chloride	ND		0.0020	0.00053	mg/l	
75-09-2	Methylene chloride	ND		0.0050	0.0020	mg/l	
78-93-3	Methyl ethyl ketone	ND		0.0050	0.0015	mg/l	
100-42-5	Styrene	ND		0.0010	0.00023	mg/l	
71-55-6	1,1,1-Trichloroethane	ND		0.0010	0.00034	mg/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.0010	0.00027	mg/l	
79-00-5	1,1,2-Trichloroethane	ND		0.0010	0.00032	mg/l	
127-18-4	Tetrachloroethylene	ND		0.0010	0.00026	mg/l	
108-88-3	Toluene	0.0290		0.0010	0.00020	mg/l	
79-01-6	Trichloroethylene	ND		0.0010	0.00030	mg/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
MCL = Maximum Contamination Level (not available) B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GP-40-18-20		
Lab Sample ID:	FA14869-14L	**Date Sampled:**	05/07/14
Matrix:	SO - Soil	**Date Received:**	05/09/14
Method:	SW846 8260B SW846 1312	**Percent Solids:**	71.5
Project:	ECI; 100 Rego Dr, Elon, NC		

VOA TCL List **SPLP Leachate method SW846 1312**

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND		0.0010	0.00033	mg/l	
1330-20-7	Xylene (total)	0.133		0.0030	0.00066	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		83-118%
17060-07-0	1,2-Dichloroethane-D4	95%		79-125%
2037-26-5	Toluene-D8	97%		85-112%
460-00-4	4-Bromofluorobenzene	99%		83-118%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
MCL = Maximum Contamination Level (not available) B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GP-41-5-7		
Lab Sample ID:	FA14869-15	**Date Sampled:**	05/07/14
Matrix:	SO - Soil	**Date Received:**	05/09/14
		Percent Solids:	78.6
Project:	ECI; 100 Rego Dr, Elon, NC		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Antimony	0.12 U	1.2	0.12	mg/kg	1	05/13/14	05/13/14	LM	SW846 6010C [1]	SW846 3050B [2]
Beryllium	0.21 B	0.29	0.029	mg/kg	1	05/13/14	05/13/14	LM	SW846 6010C [1]	SW846 3050B [2]
Copper	22.4	1.4	0.058	mg/kg	1	05/13/14	05/13/14	LM	SW846 6010C [1]	SW846 3050B [2]
Manganese	157	0.87	0.029	mg/kg	1	05/13/14	05/13/14	LM	SW846 6010C [1]	SW846 3050B [2]
Nickel	3.7	2.3	0.029	mg/kg	1	05/13/14	05/13/14	LM	SW846 6010C [1]	SW846 3050B [2]
Thallium	0.087 U	0.58	0.087	mg/kg	1	05/13/14	05/13/14	LM	SW846 6010C [1]	SW846 3050B [2]
Zinc	8.0	1.2	0.17	mg/kg	1	05/13/14	05/13/14	LM	SW846 6010C [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA11595
(2) Prep QC Batch: MP27247

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	GP-41-23-25		
Lab Sample ID:	FA14869-16	**Date Sampled:**	05/07/14
Matrix:	SO - Soil	**Date Received:**	05/09/14
		Percent Solids:	67.2
Project:	ECI; 100 Rego Dr, Elon, NC		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Solids, Percent	67.2		%	1	05/10/14 15:04	FN	SM19 2540G

RL = Reporting Limit

Report of Analysis

Client Sample ID:	GP-42-5-7		
Lab Sample ID:	FA14869-17	**Date Sampled:**	05/07/14
Matrix:	SO - Soil	**Date Received:**	05/09/14
Method:	SW846 8260B	**Percent Solids:**	78.0
Project:	ECI; 100 Rego Dr, Elon, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C098305.D	1	05/09/14	AH	n/a	n/a	VC3942
Run #2	C098329.D	1	05/12/14	AH	n/a	n/a	VC3943

	Initial Weight	Methanol Aliquot
Run #1	5.28 g	
Run #2	5.59 g	100 ul

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	32.8	61	18	ug/kg	J
107-02-8	Acrolein	ND	30	13	ug/kg	
107-13-1	Acrylonitrile	ND	30	9.5	ug/kg	
71-43-2	Benzene	ND	6.1	1.2	ug/kg	
108-86-1	Bromobenzene	ND	6.1	1.3	ug/kg	
74-97-5	Bromochloromethane	ND	6.1	2.3	ug/kg	
75-27-4	Bromodichloromethane	ND	6.1	1.2	ug/kg	
75-25-2	Bromoform	ND	6.1	1.3	ug/kg	
104-51-8	n-Butylbenzene	ND	6.1	1.2	ug/kg	
135-98-8	sec-Butylbenzene	ND	6.1	1.2	ug/kg	
98-06-6	tert-Butylbenzene	ND	6.1	1.2	ug/kg	
108-90-7	Chlorobenzene	ND	6.1	1.2	ug/kg	
75-00-3	Chloroethane	ND	6.1	2.7	ug/kg	
67-66-3	Chloroform	30.6	6.1	1.4	ug/kg	
95-49-8	o-Chlorotoluene	ND	6.1	1.2	ug/kg	
106-43-4	p-Chlorotoluene	ND	6.1	1.2	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	30	12	ug/kg	
75-15-0	Carbon disulfide	ND	6.1	1.2	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.1	1.7	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.1	1.2	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.1	1.2	ug/kg	
563-58-6	1,1-Dichloropropene	ND	6.1	1.3	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	6.1	2.6	ug/kg	
106-93-4	1,2-Dibromoethane	ND	6.1	2.2	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.1	1.2	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.1	1.2	ug/kg	
142-28-9	1,3-Dichloropropane	ND	6.1	1.2	ug/kg	
123-91-1	1,4-Dioxane	ND	240	64	ug/kg	
594-20-7	2,2-Dichloropropane	ND	6.1	1.7	ug/kg	
124-48-1	Dibromochloromethane	ND	6.1	1.2	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	6.1	1.5	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	15.6	6.1	1.2	ug/kg	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GP-42-5-7		
Lab Sample ID:	FA14869-17	**Date Sampled:**	05/07/14
Matrix:	SO - Soil	**Date Received:**	05/09/14
Method:	SW846 8260B	**Percent Solids:**	78.0
Project:	ECI; 100 Rego Dr, Elon, NC		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-01-5	cis-1,3-Dichloropropene	ND	6.1	1.2	ug/kg	
541-73-1	m-Dichlorobenzene	ND	6.1	1.2	ug/kg	
95-50-1	o-Dichlorobenzene	ND	6.1	1.2	ug/kg	
106-46-7	p-Dichlorobenzene	ND	6.1	1.4	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.1	1.6	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.1	1.2	ug/kg	
100-41-4	Ethylbenzene	ND	6.1	1.2	ug/kg	
591-78-6	2-Hexanone	ND	30	5.9	ug/kg	
87-68-3	Hexachlorobutadiene	ND	6.1	1.2	ug/kg	
98-82-8	Isopropylbenzene	ND	6.1	1.2	ug/kg	
99-87-6	p-Isopropyltoluene	ND	6.1	1.2	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	30	6.1	ug/kg	
74-83-9	Methyl bromide	ND	6.1	2.3	ug/kg	
74-87-3	Methyl chloride	ND	6.1	2.4	ug/kg	
74-95-3	Methylene bromide	ND	6.1	1.4	ug/kg	
75-09-2	Methylene chloride	ND	12	4.9	ug/kg	
78-93-3	Methyl ethyl ketone	ND	30	9.1	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	6.1	1.2	ug/kg	
91-20-3	Naphthalene	ND	6.1	2.4	ug/kg	
103-65-1	n-Propylbenzene	ND	6.1	1.2	ug/kg	
100-42-5	Styrene	ND	6.1	1.2	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	6.1	1.3	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.1	1.2	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.1	1.7	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.1	2.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	6.1	1.5	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	6.1	2.3	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.1	1.4	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	6.1	1.2	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	6.1	1.2	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.1	1.5	ug/kg	
108-88-3	Toluene	ND	6.1	1.2	ug/kg	
79-01-6	Trichloroethylene	8290 [a]	360	73	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.1	1.2	ug/kg	
75-01-4	Vinyl chloride	ND	6.1	1.2	ug/kg	
108-05-4	Vinyl Acetate	ND	30	9.7	ug/kg	
	m,p-Xylene	ND	12	1.9	ug/kg	
95-47-6	o-Xylene	ND	6.1	1.3	ug/kg	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GP-42-5-7		
Lab Sample ID:	FA14869-17	**Date Sampled:**	05/07/14
Matrix:	SO - Soil	**Date Received:**	05/09/14
Method:	SW846 8260B	**Percent Solids:**	78.0
Project:	ECI; 100 Rego Dr, Elon, NC		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	111%	110%	75-124%
2037-26-5	Toluene-D8	103%	105%	75-126%
460-00-4	4-Bromofluorobenzene	96%	98%	71-133%
17060-07-0	1,2-Dichloroethane-D4	115%	112%	72-135%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile [b]		0	ug/kg	

(a) Result is from Run# 2
(b) No TICs detected.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GP-42-5-7		
Lab Sample ID:	FA14869-17L	**Date Sampled:**	05/07/14
Matrix:	SO - Soil	**Date Received:**	05/09/14
Method:	SW846 8260B SW846 1312	**Percent Solids:**	78.0
Project:	ECI; 100 Rego Dr, Elon, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0076496.D	1	05/19/14	RB	05/13/14	OP51578	VN3348
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List **SPLP Leachate method SW846 1312**

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
67-64-1	Acetone	ND		0.025	0.011	mg/l	
71-43-2	Benzene	ND		0.0010	0.00024	mg/l	
75-27-4	Bromodichloromethane	ND		0.0010	0.00026	mg/l	
75-25-2	Bromoform	ND		0.0010	0.00038	mg/l	
108-90-7	Chlorobenzene	ND		0.0010	0.00024	mg/l	
75-00-3	Chloroethane	ND		0.0020	0.00050	mg/l	
67-66-3	Chloroform	ND		0.0010	0.00031	mg/l	
75-15-0	Carbon disulfide	ND		0.0020	0.00020	mg/l	
56-23-5	Carbon tetrachloride	ND		0.0010	0.00040	mg/l	
75-34-3	1,1-Dichloroethane	ND		0.0010	0.00026	mg/l	
75-35-4	1,1-Dichloroethylene	ND		0.0010	0.00025	mg/l	
107-06-2	1,2-Dichloroethane	ND		0.0010	0.00024	mg/l	
78-87-5	1,2-Dichloropropane	ND		0.0010	0.00036	mg/l	
124-48-1	Dibromochloromethane	ND		0.0010	0.00036	mg/l	
156-59-2	cis-1,2-Dichloroethylene	ND		0.0010	0.00033	mg/l	
10061-01-5	cis-1,3-Dichloropropene	ND		0.0010	0.00021	mg/l	
156-60-5	trans-1,2-Dichloroethylene	ND		0.0010	0.00034	mg/l	
10061-02-6	trans-1,3-Dichloropropene	ND		0.0010	0.00021	mg/l	
100-41-4	Ethylbenzene	0.00092		0.0010	0.00028	mg/l	J
591-78-6	2-Hexanone	ND		0.010	0.0020	mg/l	
108-10-1	4-Methyl-2-pentanone	ND		0.0050	0.0010	mg/l	
74-83-9	Methyl bromide	ND		0.0020	0.00054	mg/l	
74-87-3	Methyl chloride	ND		0.0020	0.00053	mg/l	
75-09-2	Methylene chloride	ND		0.0050	0.0020	mg/l	
78-93-3	Methyl ethyl ketone	ND		0.0050	0.0015	mg/l	
100-42-5	Styrene	0.0017		0.0010	0.00023	mg/l	
71-55-6	1,1,1-Trichloroethane	ND		0.0010	0.00034	mg/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.0010	0.00027	mg/l	
79-00-5	1,1,2-Trichloroethane	ND		0.0010	0.00032	mg/l	
127-18-4	Tetrachloroethylene	0.0019		0.0010	0.00026	mg/l	
108-88-3	Toluene	0.0031		0.0010	0.00020	mg/l	
79-01-6	Trichloroethylene	ND		0.0010	0.00030	mg/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
MCL = Maximum Contamination Level (not available) B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GP-42-5-7		
Lab Sample ID:	FA14869-17L	**Date Sampled:**	05/07/14
Matrix:	SO - Soil	**Date Received:**	05/09/14
Method:	SW846 8260B SW846 1312	**Percent Solids:**	78.0
Project:	ECI; 100 Rego Dr, Elon, NC		

VOA TCL List **SPLP Leachate method SW846 1312**

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND		0.0010	0.00033	mg/l	
1330-20-7	Xylene (total)	0.0058		0.0030	0.00066	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		83-118%
17060-07-0	1,2-Dichloroethane-D4	92%		79-125%
2037-26-5	Toluene-D8	96%		85-112%
460-00-4	4-Bromofluorobenzene	103%		83-118%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
MCL = Maximum Contamination Level (not available) B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GP-42-20-22		
Lab Sample ID:	FA14869-18	**Date Sampled:**	05/07/14
Matrix:	SO - Soil	**Date Received:**	05/09/14
Method:	SW846 8260B	**Percent Solids:**	78.7
Project:	ECI; 100 Rego Dr, Elon, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C098330.D	1	05/12/14	AH	n/a	n/a	VC3943
Run #2 [a]	C098306.D	1	05/09/14	AH	n/a	n/a	VC3942

	Initial Weight
Run #1	5.49 g
Run #2	4.80 g

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	29.9	58	17	ug/kg	J
107-02-8	Acrolein	ND	29	12	ug/kg	
107-13-1	Acrylonitrile	ND	29	9.0	ug/kg	
71-43-2	Benzene	ND	5.8	1.2	ug/kg	
108-86-1	Bromobenzene	ND	5.8	1.3	ug/kg	
74-97-5	Bromochloromethane	ND	5.8	2.2	ug/kg	
75-27-4	Bromodichloromethane	ND	5.8	1.2	ug/kg	
75-25-2	Bromoform	ND	5.8	1.2	ug/kg	
104-51-8	n-Butylbenzene	ND	5.8	1.2	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.8	1.2	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.8	1.2	ug/kg	
108-90-7	Chlorobenzene	ND	5.8	1.2	ug/kg	
75-00-3	Chloroethane	ND	5.8	2.6	ug/kg	
67-66-3	Chloroform	2.7	5.8	1.3	ug/kg	J
95-49-8	o-Chlorotoluene	ND	5.8	1.2	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.8	1.2	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	29	12	ug/kg	
75-15-0	Carbon disulfide	ND	5.8	1.2	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.8	1.6	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.8	1.2	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.8	1.2	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.8	1.3	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.8	2.5	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.8	2.1	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.8	1.2	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.8	1.2	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.8	1.2	ug/kg	
123-91-1	1,4-Dioxane	ND	230	61	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.8	1.6	ug/kg	
124-48-1	Dibromochloromethane	ND	5.8	1.2	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.8	1.5	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	11.7	5.8	1.2	ug/kg	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GP-42-20-22		
Lab Sample ID:	FA14869-18	**Date Sampled:**	05/07/14
Matrix:	SO - Soil	**Date Received:**	05/09/14
Method:	SW846 8260B	**Percent Solids:**	78.7
Project:	ECI; 100 Rego Dr, Elon, NC		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-01-5	cis-1,3-Dichloropropene	ND	5.8	1.2	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.8	1.2	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.8	1.2	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.8	1.3	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.8	1.6	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.8	1.2	ug/kg	
100-41-4	Ethylbenzene	ND	5.8	1.2	ug/kg	
591-78-6	2-Hexanone	ND	29	5.7	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.8	1.2	ug/kg	
98-82-8	Isopropylbenzene	ND	5.8	1.2	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.8	1.2	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	29	5.8	ug/kg	
74-83-9	Methyl bromide	ND	5.8	2.2	ug/kg	
74-87-3	Methyl chloride	ND	5.8	2.3	ug/kg	
74-95-3	Methylene bromide	ND	5.8	1.3	ug/kg	
75-09-2	Methylene chloride	ND	12	4.6	ug/kg	
78-93-3	Methyl ethyl ketone	ND	29	8.7	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.8	1.2	ug/kg	
91-20-3	Naphthalene	ND	5.8	2.3	ug/kg	
103-65-1	n-Propylbenzene	ND	5.8	1.2	ug/kg	
100-42-5	Styrene	ND	5.8	1.2	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.8	1.2	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.8	1.2	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.8	1.6	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.8	1.9	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.8	1.4	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.8	2.2	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.8	1.3	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	5.8	1.2	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.8	1.2	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.8	1.5	ug/kg	
108-88-3	Toluene	ND	5.8	1.2	ug/kg	
79-01-6	Trichloroethylene	182	5.8	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.8	1.2	ug/kg	
75-01-4	Vinyl chloride	ND	5.8	1.2	ug/kg	
108-05-4	Vinyl Acetate	ND	29	9.3	ug/kg	
	m,p-Xylene	ND	12	1.8	ug/kg	
95-47-6	o-Xylene	ND	5.8	1.2	ug/kg	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GP-42-20-22		
Lab Sample ID:	FA14869-18	**Date Sampled:**	05/07/14
Matrix:	SO - Soil	**Date Received:**	05/09/14
Method:	SW846 8260B	**Percent Solids:**	78.7
Project:	ECI; 100 Rego Dr, Elon, NC		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%	111%	75-124%
2037-26-5	Toluene-D8	105%	105%	75-126%
460-00-4	4-Bromofluorobenzene	100%	99%	71-133%
17060-07-0	1,2-Dichloroethane-D4	108%	111%	72-135%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile [b]		0	ug/kg	

(a) Confirmation run.
(b) No TICs detected.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GP-42-20-22		
Lab Sample ID:	FA14869-18L	**Date Sampled:**	05/07/14
Matrix:	SO - Soil	**Date Received:**	05/09/14
Method:	SW846 8260B SW846 1312	**Percent Solids:**	78.7
Project:	ECI; 100 Rego Dr, Elon, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0076497.D	1	05/19/14	RB	05/13/14	OP51578	VN3348
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List **SPLP Leachate method SW846 1312**

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
67-64-1	Acetone	ND		0.025	0.011	mg/l	
71-43-2	Benzene	0.00046		0.0010	0.00024	mg/l	J
75-27-4	Bromodichloromethane	ND		0.0010	0.00026	mg/l	
75-25-2	Bromoform	ND		0.0010	0.00038	mg/l	
108-90-7	Chlorobenzene	ND		0.0010	0.00024	mg/l	
75-00-3	Chloroethane	ND		0.0020	0.00050	mg/l	
67-66-3	Chloroform	ND		0.0010	0.00031	mg/l	
75-15-0	Carbon disulfide	ND		0.0020	0.00020	mg/l	
56-23-5	Carbon tetrachloride	ND		0.0010	0.00040	mg/l	
75-34-3	1,1-Dichloroethane	ND		0.0010	0.00026	mg/l	
75-35-4	1,1-Dichloroethylene	ND		0.0010	0.00025	mg/l	
107-06-2	1,2-Dichloroethane	ND		0.0010	0.00024	mg/l	
78-87-5	1,2-Dichloropropane	ND		0.0010	0.00036	mg/l	
124-48-1	Dibromochloromethane	ND		0.0010	0.00036	mg/l	
156-59-2	cis-1,2-Dichloroethylene	ND		0.0010	0.00033	mg/l	
10061-01-5	cis-1,3-Dichloropropene	ND		0.0010	0.00021	mg/l	
156-60-5	trans-1,2-Dichloroethylene	ND		0.0010	0.00034	mg/l	
10061-02-6	trans-1,3-Dichloropropene	ND		0.0010	0.00021	mg/l	
100-41-4	Ethylbenzene	0.0024		0.0010	0.00028	mg/l	
591-78-6	2-Hexanone	ND		0.010	0.0020	mg/l	
108-10-1	4-Methyl-2-pentanone	ND		0.0050	0.0010	mg/l	
74-83-9	Methyl bromide	ND		0.0020	0.00054	mg/l	
74-87-3	Methyl chloride	ND		0.0020	0.00053	mg/l	
75-09-2	Methylene chloride	ND		0.0050	0.0020	mg/l	
78-93-3	Methyl ethyl ketone	ND		0.0050	0.0015	mg/l	
100-42-5	Styrene	ND		0.0010	0.00023	mg/l	
71-55-6	1,1,1-Trichloroethane	ND		0.0010	0.00034	mg/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.0010	0.00027	mg/l	
79-00-5	1,1,2-Trichloroethane	ND		0.0010	0.00032	mg/l	
127-18-4	Tetrachloroethylene	0.0056		0.0010	0.00026	mg/l	
108-88-3	Toluene	0.0107		0.0010	0.00020	mg/l	
79-01-6	Trichloroethylene	ND		0.0010	0.00030	mg/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
MCL = Maximum Contamination Level (not available) B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GP-42-20-22		
Lab Sample ID:	FA14869-18L	**Date Sampled:**	05/07/14
Matrix:	SO - Soil	**Date Received:**	05/09/14
Method:	SW846 8260B SW846 1312	**Percent Solids:**	78.7
Project:	ECI; 100 Rego Dr, Elon, NC		

VOA TCL List **SPLP Leachate method SW846 1312**

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND		0.0010	0.00033	mg/l	
1330-20-7	Xylene (total)	0.0150		0.0030	0.00066	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		83-118%
17060-07-0	1,2-Dichloroethane-D4	95%		79-125%
2037-26-5	Toluene-D8	97%		85-112%
460-00-4	4-Bromofluorobenzene	100%		83-118%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
MCL = Maximum Contamination Level (not available) B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GP-43-8-10		
Lab Sample ID:	FA14869-19	**Date Sampled:**	05/07/14
Matrix:	SO - Soil	**Date Received:**	05/09/14
Method:	SW846 8260B	**Percent Solids:**	77.4
Project:	ECI; 100 Rego Dr, Elon, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C098307.D	1	05/09/14	AH	n/a	n/a	VC3942
Run #2	C098331.D	1	05/12/14	AH	n/a	n/a	VC3943

	Initial Weight	Methanol Aliquot
Run #1	5.15 g	
Run #2	5.48 g	100 ul

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	74.2	63	19	ug/kg	
107-02-8	Acrolein	ND	31	14	ug/kg	
107-13-1	Acrylonitrile	ND	31	9.8	ug/kg	
71-43-2	Benzene	ND	6.3	1.3	ug/kg	
108-86-1	Bromobenzene	ND	6.3	1.4	ug/kg	
74-97-5	Bromochloromethane	ND	6.3	2.4	ug/kg	
75-27-4	Bromodichloromethane	ND	6.3	1.3	ug/kg	
75-25-2	Bromoform	ND	6.3	1.4	ug/kg	
104-51-8	n-Butylbenzene	ND	6.3	1.3	ug/kg	
135-98-8	sec-Butylbenzene	ND	6.3	1.3	ug/kg	
98-06-6	tert-Butylbenzene	ND	6.3	1.3	ug/kg	
108-90-7	Chlorobenzene	ND	6.3	1.3	ug/kg	
75-00-3	Chloroethane	ND	6.3	2.8	ug/kg	
67-66-3	Chloroform	ND	6.3	1.4	ug/kg	
95-49-8	o-Chlorotoluene	ND	6.3	1.3	ug/kg	
106-43-4	p-Chlorotoluene	ND	6.3	1.3	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	31	13	ug/kg	
75-15-0	Carbon disulfide	ND	6.3	1.3	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.3	1.7	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.3	1.3	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.3	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	6.3	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	6.3	2.7	ug/kg	
106-93-4	1,2-Dibromoethane	ND	6.3	2.2	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.3	1.3	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.3	1.3	ug/kg	
142-28-9	1,3-Dichloropropane	ND	6.3	1.3	ug/kg	
123-91-1	1,4-Dioxane	ND	250	66	ug/kg	
594-20-7	2,2-Dichloropropane	ND	6.3	1.8	ug/kg	
124-48-1	Dibromochloromethane	ND	6.3	1.3	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	6.3	1.6	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	428 [a]	370	74	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GP-43-8-10		
Lab Sample ID:	FA14869-19	**Date Sampled:**	05/07/14
Matrix:	SO - Soil	**Date Received:**	05/09/14
Method:	SW846 8260B	**Percent Solids:**	77.4
Project:	ECI; 100 Rego Dr, Elon, NC		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-01-5	cis-1,3-Dichloropropene	ND	6.3	1.3	ug/kg	
541-73-1	m-Dichlorobenzene	ND	6.3	1.3	ug/kg	
95-50-1	o-Dichlorobenzene	ND	6.3	1.3	ug/kg	
106-46-7	p-Dichlorobenzene	ND	6.3	1.4	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.3	1.7	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.3	1.3	ug/kg	
100-41-4	Ethylbenzene	ND	6.3	1.3	ug/kg	
591-78-6	2-Hexanone	ND	31	6.1	ug/kg	
87-68-3	Hexachlorobutadiene	ND	6.3	1.3	ug/kg	
98-82-8	Isopropylbenzene	ND	6.3	1.3	ug/kg	
99-87-6	p-Isopropyltoluene	ND	6.3	1.3	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	31	6.3	ug/kg	
74-83-9	Methyl bromide	ND	6.3	2.3	ug/kg	
74-87-3	Methyl chloride	ND	6.3	2.5	ug/kg	
74-95-3	Methylene bromide	ND	6.3	1.4	ug/kg	
75-09-2	Methylene chloride	ND	13	5.0	ug/kg	
78-93-3	Methyl ethyl ketone	ND	31	9.4	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	6.3	1.3	ug/kg	
91-20-3	Naphthalene	ND	6.3	2.5	ug/kg	
103-65-1	n-Propylbenzene	ND	6.3	1.3	ug/kg	
100-42-5	Styrene	ND	6.3	1.3	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	6.3	1.3	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.3	1.3	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.3	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.3	2.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	6.3	1.5	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	6.3	2.3	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.3	1.4	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	6.3	1.3	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	6.3	1.3	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.3	1.6	ug/kg	
108-88-3	Toluene	ND	6.3	1.3	ug/kg	
79-01-6	Trichloroethylene	205	6.3	1.3	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.3	1.3	ug/kg	
75-01-4	Vinyl chloride	ND	6.3	1.3	ug/kg	
108-05-4	Vinyl Acetate	ND	31	10	ug/kg	
	m,p-Xylene	ND	13	2.0	ug/kg	
95-47-6	o-Xylene	ND	6.3	1.3	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GP-43-8-10		
Lab Sample ID:	FA14869-19	**Date Sampled:**	05/07/14
Matrix:	SO - Soil	**Date Received:**	05/09/14
Method:	SW846 8260B	**Percent Solids:**	77.4
Project:	ECI; 100 Rego Dr, Elon, NC		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%	110%	75-124%
2037-26-5	Toluene-D8	102%	105%	75-126%
460-00-4	4-Bromofluorobenzene	98%	103%	71-133%
17060-07-0	1,2-Dichloroethane-D4	113%	112%	72-135%

(a) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GP-43-8-10		
Lab Sample ID:	FA14869-19L	**Date Sampled:**	05/07/14
Matrix:	SO - Soil	**Date Received:**	05/09/14
Method:	SW846 8260B SW846 1312	**Percent Solids:**	77.4
Project:	ECI; 100 Rego Dr, Elon, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0076498.D	1	05/19/14	RB	05/13/14	OP51578	VN3348
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List **SPLP Leachate method SW846 1312**

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
67-64-1	Acetone	ND		0.025	0.011	mg/l	
71-43-2	Benzene	ND		0.0010	0.00024	mg/l	
75-27-4	Bromodichloromethane	ND		0.0010	0.00026	mg/l	
75-25-2	Bromoform	ND		0.0010	0.00038	mg/l	
108-90-7	Chlorobenzene	ND		0.0010	0.00024	mg/l	
75-00-3	Chloroethane	ND		0.0020	0.00050	mg/l	
67-66-3	Chloroform	ND		0.0010	0.00031	mg/l	
75-15-0	Carbon disulfide	ND		0.0020	0.00020	mg/l	
56-23-5	Carbon tetrachloride	ND		0.0010	0.00040	mg/l	
75-34-3	1,1-Dichloroethane	ND		0.0010	0.00026	mg/l	
75-35-4	1,1-Dichloroethylene	ND		0.0010	0.00025	mg/l	
107-06-2	1,2-Dichloroethane	ND		0.0010	0.00024	mg/l	
78-87-5	1,2-Dichloropropane	ND		0.0010	0.00036	mg/l	
124-48-1	Dibromochloromethane	ND		0.0010	0.00036	mg/l	
156-59-2	cis-1,2-Dichloroethylene	0.0010		0.0010	0.00033	mg/l	
10061-01-5	cis-1,3-Dichloropropene	ND		0.0010	0.00021	mg/l	
156-60-5	trans-1,2-Dichloroethylene	ND		0.0010	0.00034	mg/l	
10061-02-6	trans-1,3-Dichloropropene	ND		0.0010	0.00021	mg/l	
100-41-4	Ethylbenzene	0.0016		0.0010	0.00028	mg/l	
591-78-6	2-Hexanone	ND		0.010	0.0020	mg/l	
108-10-1	4-Methyl-2-pentanone	ND		0.0050	0.0010	mg/l	
74-83-9	Methyl bromide	ND		0.0020	0.00054	mg/l	
74-87-3	Methyl chloride	ND		0.0020	0.00053	mg/l	
75-09-2	Methylene chloride	ND		0.0050	0.0020	mg/l	
78-93-3	Methyl ethyl ketone	ND		0.0050	0.0015	mg/l	
100-42-5	Styrene	ND		0.0010	0.00023	mg/l	
71-55-6	1,1,1-Trichloroethane	ND		0.0010	0.00034	mg/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.0010	0.00027	mg/l	
79-00-5	1,1,2-Trichloroethane	ND		0.0010	0.00032	mg/l	
127-18-4	Tetrachloroethylene	ND		0.0010	0.00026	mg/l	
108-88-3	Toluene	0.0052		0.0010	0.00020	mg/l	
79-01-6	Trichloroethylene	0.0017		0.0010	0.00030	mg/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
MCL = Maximum Contamination Level (not available) B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GP-43-8-10		
Lab Sample ID:	FA14869-19L	**Date Sampled:**	05/07/14
Matrix:	SO - Soil	**Date Received:**	05/09/14
Method:	SW846 8260B SW846 1312	**Percent Solids:**	77.4
Project:	ECI; 100 Rego Dr, Elon, NC		

VOA TCL List **SPLP Leachate method SW846 1312**

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND		0.0010	0.00033	mg/l	
1330-20-7	Xylene (total)	0.0104		0.0030	0.00066	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		83-118%
17060-07-0	1,2-Dichloroethane-D4	96%		79-125%
2037-26-5	Toluene-D8	97%		85-112%
460-00-4	4-Bromofluorobenzene	100%		83-118%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
MCL = Maximum Contamination Level (not available) B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GP-43-28-30		
Lab Sample ID:	FA14869-20	**Date Sampled:**	05/07/14
Matrix:	SO - Soil	**Date Received:**	05/09/14
Method:	SW846 8260B	**Percent Solids:**	65.9
Project:	ECI; 100 Rego Dr, Elon, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C098332.D	1	05/12/14	AH	n/a	n/a	VC3943
Run #2							

	Initial Weight
Run #1	5.38 g
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	71	21	ug/kg	
107-02-8	Acrolein	ND	35	15	ug/kg	
107-13-1	Acrylonitrile	ND	35	11	ug/kg	
71-43-2	Benzene	ND	7.1	1.4	ug/kg	
108-86-1	Bromobenzene	ND	7.1	1.5	ug/kg	
74-97-5	Bromochloromethane	ND	7.1	2.7	ug/kg	
75-27-4	Bromodichloromethane	ND	7.1	1.4	ug/kg	
75-25-2	Bromoform	ND	7.1	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	7.1	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	7.1	1.4	ug/kg	
98-06-6	tert-Butylbenzene	ND	7.1	1.4	ug/kg	
108-90-7	Chlorobenzene	ND	7.1	1.4	ug/kg	
75-00-3	Chloroethane	ND	7.1	3.2	ug/kg	
67-66-3	Chloroform	ND	7.1	1.6	ug/kg	
95-49-8	o-Chlorotoluene	ND	7.1	1.4	ug/kg	
106-43-4	p-Chlorotoluene	ND	7.1	1.4	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	35	14	ug/kg	
75-15-0	Carbon disulfide	ND	7.1	1.4	ug/kg	
56-23-5	Carbon tetrachloride	ND	7.1	2.0	ug/kg	
75-34-3	1,1-Dichloroethane	ND	7.1	1.4	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	7.1	1.4	ug/kg	
563-58-6	1,1-Dichloropropene	ND	7.1	1.6	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	7.1	3.0	ug/kg	
106-93-4	1,2-Dibromoethane	ND	7.1	2.5	ug/kg	
107-06-2	1,2-Dichloroethane	ND	7.1	1.4	ug/kg	
78-87-5	1,2-Dichloropropane	ND	7.1	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	7.1	1.4	ug/kg	
123-91-1	1,4-Dioxane	ND	280	75	ug/kg	
594-20-7	2,2-Dichloropropane	ND	7.1	2.0	ug/kg	
124-48-1	Dibromochloromethane	ND	7.1	1.4	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	7.1	1.8	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	1.7	7.1	1.4	ug/kg	J

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GP-43-28-30		
Lab Sample ID:	FA14869-20	**Date Sampled:**	05/07/14
Matrix:	SO - Soil	**Date Received:**	05/09/14
Method:	SW846 8260B	**Percent Solids:**	65.9
Project:	ECI; 100 Rego Dr, Elon, NC		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-01-5	cis-1,3-Dichloropropene	ND	7.1	1.4	ug/kg	
541-73-1	m-Dichlorobenzene	ND	7.1	1.4	ug/kg	
95-50-1	o-Dichlorobenzene	ND	7.1	1.4	ug/kg	
106-46-7	p-Dichlorobenzene	ND	7.1	1.6	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	7.1	1.9	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	7.1	1.4	ug/kg	
100-41-4	Ethylbenzene	ND	7.1	1.4	ug/kg	
591-78-6	2-Hexanone	ND	35	6.9	ug/kg	
87-68-3	Hexachlorobutadiene	ND	7.1	1.4	ug/kg	
98-82-8	Isopropylbenzene	ND	7.1	1.4	ug/kg	
99-87-6	p-Isopropyltoluene	ND	7.1	1.4	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	35	7.1	ug/kg	
74-83-9	Methyl bromide	ND	7.1	2.6	ug/kg	
74-87-3	Methyl chloride	ND	7.1	2.8	ug/kg	
74-95-3	Methylene bromide	ND	7.1	1.6	ug/kg	
75-09-2	Methylene chloride	ND	14	5.6	ug/kg	
78-93-3	Methyl ethyl ketone	ND	35	11	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	7.1	1.4	ug/kg	
91-20-3	Naphthalene	ND	7.1	2.8	ug/kg	
103-65-1	n-Propylbenzene	ND	7.1	1.4	ug/kg	
100-42-5	Styrene	ND	7.1	1.4	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	7.1	1.5	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	7.1	1.4	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	7.1	2.0	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	7.1	2.3	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	7.1	1.7	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	7.1	2.6	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	7.1	1.6	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	7.1	1.4	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	7.1	1.4	ug/kg	
127-18-4	Tetrachloroethylene	ND	7.1	1.8	ug/kg	
108-88-3	Toluene	ND	7.1	1.4	ug/kg	
79-01-6	Trichloroethylene	10	7.1	1.4	ug/kg	
75-69-4	Trichlorofluoromethane	ND	7.1	1.4	ug/kg	
75-01-4	Vinyl chloride	ND	7.1	1.4	ug/kg	
108-05-4	Vinyl Acetate	ND	35	11	ug/kg	
	m,p-Xylene	ND	14	2.2	ug/kg	
95-47-6	o-Xylene	ND	7.1	1.5	ug/kg	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GP-43-28-30		
Lab Sample ID:	FA14869-20	**Date Sampled:**	05/07/14
Matrix:	SO - Soil	**Date Received:**	05/09/14
Method:	SW846 8260B	**Percent Solids:**	65.9
Project:	ECI; 100 Rego Dr, Elon, NC		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	110%		75-124%
2037-26-5	Toluene-D8	103%		75-126%
460-00-4	4-Bromofluorobenzene	98%		71-133%
17060-07-0	1,2-Dichloroethane-D4	111%		72-135%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile [a]		0	ug/kg	

(a) No TICs detected.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GP-43-28-30		
Lab Sample ID:	FA14869-20L	**Date Sampled:**	05/07/14
Matrix:	SO - Soil	**Date Received:**	05/09/14
Method:	SW846 8260B SW846 1312	**Percent Solids:**	65.9
Project:	ECI; 100 Rego Dr, Elon, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0076499.D	1	05/19/14	RB	05/13/14	OP51578	VN3348
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List **SPLP Leachate method SW846 1312**

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
67-64-1	Acetone	ND		0.025	0.011	mg/l	
71-43-2	Benzene	ND		0.0010	0.00024	mg/l	
75-27-4	Bromodichloromethane	ND		0.0010	0.00026	mg/l	
75-25-2	Bromoform	ND		0.0010	0.00038	mg/l	
108-90-7	Chlorobenzene	ND		0.0010	0.00024	mg/l	
75-00-3	Chloroethane	ND		0.0020	0.00050	mg/l	
67-66-3	Chloroform	ND		0.0010	0.00031	mg/l	
75-15-0	Carbon disulfide	ND		0.0020	0.00020	mg/l	
56-23-5	Carbon tetrachloride	ND		0.0010	0.00040	mg/l	
75-34-3	1,1-Dichloroethane	ND		0.0010	0.00026	mg/l	
75-35-4	1,1-Dichloroethylene	ND		0.0010	0.00025	mg/l	
107-06-2	1,2-Dichloroethane	ND		0.0010	0.00024	mg/l	
78-87-5	1,2-Dichloropropane	ND		0.0010	0.00036	mg/l	
124-48-1	Dibromochloromethane	ND		0.0010	0.00036	mg/l	
156-59-2	cis-1,2-Dichloroethylene	ND		0.0010	0.00033	mg/l	
10061-01-5	cis-1,3-Dichloropropene	ND		0.0010	0.00021	mg/l	
156-60-5	trans-1,2-Dichloroethylene	ND		0.0010	0.00034	mg/l	
10061-02-6	trans-1,3-Dichloropropene	ND		0.0010	0.00021	mg/l	
100-41-4	Ethylbenzene	ND		0.0010	0.00028	mg/l	
591-78-6	2-Hexanone	ND		0.010	0.0020	mg/l	
108-10-1	4-Methyl-2-pentanone	ND		0.0050	0.0010	mg/l	
74-83-9	Methyl bromide	ND		0.0020	0.00054	mg/l	
74-87-3	Methyl chloride	ND		0.0020	0.00053	mg/l	
75-09-2	Methylene chloride	ND		0.0050	0.0020	mg/l	
78-93-3	Methyl ethyl ketone	ND		0.0050	0.0015	mg/l	
100-42-5	Styrene	ND		0.0010	0.00023	mg/l	
71-55-6	1,1,1-Trichloroethane	ND		0.0010	0.00034	mg/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.0010	0.00027	mg/l	
79-00-5	1,1,2-Trichloroethane	ND		0.0010	0.00032	mg/l	
127-18-4	Tetrachloroethylene	0.00052		0.0010	0.00026	mg/l	J
108-88-3	Toluene	0.00042		0.0010	0.00020	mg/l	J
79-01-6	Trichloroethylene	ND		0.0010	0.00030	mg/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
MCL = Maximum Contamination Level (not available) B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GP-43-28-30		
Lab Sample ID:	FA14869-20L	**Date Sampled:**	05/07/14
Matrix:	SO - Soil	**Date Received:**	05/09/14
Method:	SW846 8260B SW846 1312	**Percent Solids:**	65.9
Project:	ECI; 100 Rego Dr, Elon, NC		

VOA TCL List **SPLP Leachate method SW846 1312**

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND		0.0010	0.00033	mg/l	
1330-20-7	Xylene (total)	ND		0.0030	0.00066	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		83-118%
17060-07-0	1,2-Dichloroethane-D4	96%		79-125%
2037-26-5	Toluene-D8	98%		85-112%
460-00-4	4-Bromofluorobenzene	100%		83-118%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
MCL = Maximum Contamination Level (not available) B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GP-44-5-7		
Lab Sample ID:	FA14869-21	**Date Sampled:**	05/07/14
Matrix:	SO - Soil	**Date Received:**	05/09/14
Method:	SW846 8260B	**Percent Solids:**	81.1
Project:	ECI; 100 Rego Dr, Elon, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C098309.D	1	05/09/14	AH	n/a	n/a	VC3942
Run #2							

	Initial Weight
Run #1	5.11 g
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	185	60	18	ug/kg	
107-02-8	Acrolein	ND	30	13	ug/kg	
107-13-1	Acrylonitrile	ND	30	9.4	ug/kg	
71-43-2	Benzene	ND	6.0	1.2	ug/kg	
108-86-1	Bromobenzene	ND	6.0	1.3	ug/kg	
74-97-5	Bromochloromethane	ND	6.0	2.3	ug/kg	
75-27-4	Bromodichloromethane	ND	6.0	1.2	ug/kg	
75-25-2	Bromoform	ND	6.0	1.3	ug/kg	
104-51-8	n-Butylbenzene	ND	6.0	1.2	ug/kg	
135-98-8	sec-Butylbenzene	ND	6.0	1.2	ug/kg	
98-06-6	tert-Butylbenzene	ND	6.0	1.2	ug/kg	
108-90-7	Chlorobenzene	ND	6.0	1.2	ug/kg	
75-00-3	Chloroethane	ND	6.0	2.7	ug/kg	
67-66-3	Chloroform	3.8	6.0	1.4	ug/kg	J
95-49-8	o-Chlorotoluene	ND	6.0	1.2	ug/kg	
106-43-4	p-Chlorotoluene	ND	6.0	1.2	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	30	12	ug/kg	
75-15-0	Carbon disulfide	ND	6.0	1.2	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.0	1.7	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.0	1.2	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.0	1.2	ug/kg	
563-58-6	1,1-Dichloropropene	ND	6.0	1.3	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	6.0	2.6	ug/kg	
106-93-4	1,2-Dibromoethane	ND	6.0	2.2	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.0	1.2	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.0	1.2	ug/kg	
142-28-9	1,3-Dichloropropane	ND	6.0	1.2	ug/kg	
123-91-1	1,4-Dioxane	ND	240	64	ug/kg	
594-20-7	2,2-Dichloropropane	ND	6.0	1.7	ug/kg	
124-48-1	Dibromochloromethane	ND	6.0	1.2	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	6.0	1.5	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	12.5	6.0	1.2	ug/kg	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GP-44-5-7		
Lab Sample ID:	FA14869-21	**Date Sampled:**	05/07/14
Matrix:	SO - Soil	**Date Received:**	05/09/14
Method:	SW846 8260B	**Percent Solids:**	81.1
Project:	ECI; 100 Rego Dr, Elon, NC		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-01-5	cis-1,3-Dichloropropene	ND	6.0	1.2	ug/kg	
541-73-1	m-Dichlorobenzene	ND	6.0	1.2	ug/kg	
95-50-1	o-Dichlorobenzene	ND	6.0	1.2	ug/kg	
106-46-7	p-Dichlorobenzene	ND	6.0	1.4	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.0	1.6	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.0	1.2	ug/kg	
100-41-4	Ethylbenzene	ND	6.0	1.2	ug/kg	
591-78-6	2-Hexanone	ND	30	5.9	ug/kg	
87-68-3	Hexachlorobutadiene	ND	6.0	1.2	ug/kg	
98-82-8	Isopropylbenzene	ND	6.0	1.2	ug/kg	
99-87-6	p-Isopropyltoluene	ND	6.0	1.2	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	30	6.0	ug/kg	
74-83-9	Methyl bromide	ND	6.0	2.3	ug/kg	
74-87-3	Methyl chloride	ND	6.0	2.4	ug/kg	
74-95-3	Methylene bromide	ND	6.0	1.4	ug/kg	
75-09-2	Methylene chloride	ND	12	4.8	ug/kg	
78-93-3	Methyl ethyl ketone	9.1	30	9.0	ug/kg	J
1634-04-4	Methyl Tert Butyl Ether	ND	6.0	1.2	ug/kg	
91-20-3	Naphthalene	ND	6.0	2.4	ug/kg	
103-65-1	n-Propylbenzene	ND	6.0	1.2	ug/kg	
100-42-5	Styrene	ND	6.0	1.2	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	6.0	1.3	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.0	1.2	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.0	1.7	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.0	1.9	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	6.0	1.4	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	6.0	2.3	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.0	1.4	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	6.0	1.2	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	6.0	1.2	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.0	1.5	ug/kg	
108-88-3	Toluene	ND	6.0	1.2	ug/kg	
79-01-6	Trichloroethylene	201	6.0	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.0	1.2	ug/kg	
75-01-4	Vinyl chloride	ND	6.0	1.2	ug/kg	
108-05-4	Vinyl Acetate	ND	30	9.7	ug/kg	
	m,p-Xylene	ND	12	1.9	ug/kg	
95-47-6	o-Xylene	ND	6.0	1.3	ug/kg	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GP-44-5-7		
Lab Sample ID:	FA14869-21	**Date Sampled:**	05/07/14
Matrix:	SO - Soil	**Date Received:**	05/09/14
Method:	SW846 8260B	**Percent Solids:**	81.1
Project:	ECI; 100 Rego Dr, Elon, NC		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	110%		75-124%
2037-26-5	Toluene-D8	108%		75-126%
460-00-4	4-Bromofluorobenzene	100%		71-133%
17060-07-0	1,2-Dichloroethane-D4	112%		72-135%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile [a]		0	ug/kg	

(a) No TICs detected.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GP-44-5-7		
Lab Sample ID:	FA14869-21L	**Date Sampled:**	05/07/14
Matrix:	SO - Soil	**Date Received:**	05/09/14
Method:	SW846 8260B SW846 1312	**Percent Solids:**	81.1
Project:	ECI; 100 Rego Dr, Elon, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0076500.D	1	05/19/14	RB	05/13/14	OP51578	VN3348
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List **SPLP Leachate method SW846 1312**

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
67-64-1	Acetone	ND		0.025	0.011	mg/l	
71-43-2	Benzene	0.0501		0.0010	0.00024	mg/l	
75-27-4	Bromodichloromethane	ND		0.0010	0.00026	mg/l	
75-25-2	Bromoform	ND		0.0010	0.00038	mg/l	
108-90-7	Chlorobenzene	ND		0.0010	0.00024	mg/l	
75-00-3	Chloroethane	ND		0.0020	0.00050	mg/l	
67-66-3	Chloroform	ND		0.0010	0.00031	mg/l	
75-15-0	Carbon disulfide	ND		0.0020	0.00020	mg/l	
56-23-5	Carbon tetrachloride	ND		0.0010	0.00040	mg/l	
75-34-3	1,1-Dichloroethane	ND		0.0010	0.00026	mg/l	
75-35-4	1,1-Dichloroethylene	ND		0.0010	0.00025	mg/l	
107-06-2	1,2-Dichloroethane	ND		0.0010	0.00024	mg/l	
78-87-5	1,2-Dichloropropane	ND		0.0010	0.00036	mg/l	
124-48-1	Dibromochloromethane	ND		0.0010	0.00036	mg/l	
156-59-2	cis-1,2-Dichloroethylene	ND		0.0010	0.00033	mg/l	
10061-01-5	cis-1,3-Dichloropropene	ND		0.0010	0.00021	mg/l	
156-60-5	trans-1,2-Dichloroethylene	ND		0.0010	0.00034	mg/l	
10061-02-6	trans-1,3-Dichloropropene	ND		0.0010	0.00021	mg/l	
100-41-4	Ethylbenzene	0.0077		0.0010	0.00028	mg/l	
591-78-6	2-Hexanone	ND		0.010	0.0020	mg/l	
108-10-1	4-Methyl-2-pentanone	ND		0.0050	0.0010	mg/l	
74-83-9	Methyl bromide	ND		0.0020	0.00054	mg/l	
74-87-3	Methyl chloride	ND		0.0020	0.00053	mg/l	
75-09-2	Methylene chloride	ND		0.0050	0.0020	mg/l	
78-93-3	Methyl ethyl ketone	ND		0.0050	0.0015	mg/l	
100-42-5	Styrene	ND		0.0010	0.00023	mg/l	
71-55-6	1,1,1-Trichloroethane	ND		0.0010	0.00034	mg/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.0010	0.00027	mg/l	
79-00-5	1,1,2-Trichloroethane	ND		0.0010	0.00032	mg/l	
127-18-4	Tetrachloroethylene	ND		0.0010	0.00026	mg/l	
108-88-3	Toluene	0.0791		0.0010	0.00020	mg/l	
79-01-6	Trichloroethylene	ND		0.0010	0.00030	mg/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
MCL = Maximum Contamination Level (not available) B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GP-44-5-7		
Lab Sample ID:	FA14869-21L	**Date Sampled:**	05/07/14
Matrix:	SO - Soil	**Date Received:**	05/09/14
Method:	SW846 8260B SW846 1312	**Percent Solids:**	81.1
Project:	ECI; 100 Rego Dr, Elon, NC		

VOA TCL List **SPLP Leachate method SW846 1312**

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND		0.0010	0.00033	mg/l	
1330-20-7	Xylene (total)	0.0730		0.0030	0.00066	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		83-118%
17060-07-0	1,2-Dichloroethane-D4	97%		79-125%
2037-26-5	Toluene-D8	97%		85-112%
460-00-4	4-Bromofluorobenzene	98%		83-118%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
MCL = Maximum Contamination Level (not available) B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GP-44-23-25		
Lab Sample ID:	FA14869-22	**Date Sampled:**	05/07/14
Matrix:	SO - Soil	**Date Received:**	05/09/14
Method:	SW846 8260B	**Percent Solids:**	68.7
Project:	ECI; 100 Rego Dr, Elon, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C098310.D	1	05/09/14	AH	n/a	n/a	VC3942
Run #2							

	Initial Weight
Run #1	5.46 g
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	67	20	ug/kg	
107-02-8	Acrolein	ND	33	14	ug/kg	
107-13-1	Acrylonitrile	ND	33	10	ug/kg	
71-43-2	Benzene	ND	6.7	1.3	ug/kg	
108-86-1	Bromobenzene	ND	6.7	1.5	ug/kg	
74-97-5	Bromochloromethane	ND	6.7	2.6	ug/kg	
75-27-4	Bromodichloromethane	ND	6.7	1.3	ug/kg	
75-25-2	Bromoform	ND	6.7	1.4	ug/kg	
104-51-8	n-Butylbenzene	ND	6.7	1.3	ug/kg	
135-98-8	sec-Butylbenzene	ND	6.7	1.3	ug/kg	
98-06-6	tert-Butylbenzene	ND	6.7	1.3	ug/kg	
108-90-7	Chlorobenzene	ND	6.7	1.3	ug/kg	
75-00-3	Chloroethane	ND	6.7	3.0	ug/kg	
67-66-3	Chloroform	ND	6.7	1.5	ug/kg	
95-49-8	o-Chlorotoluene	ND	6.7	1.3	ug/kg	
106-43-4	p-Chlorotoluene	ND	6.7	1.3	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	33	13	ug/kg	
75-15-0	Carbon disulfide	ND	6.7	1.3	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.7	1.9	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.7	1.3	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.7	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	6.7	1.5	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	6.7	2.8	ug/kg	
106-93-4	1,2-Dibromoethane	ND	6.7	2.4	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.7	1.3	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.7	1.3	ug/kg	
142-28-9	1,3-Dichloropropane	ND	6.7	1.3	ug/kg	
123-91-1	1,4-Dioxane	ND	270	71	ug/kg	
594-20-7	2,2-Dichloropropane	ND	6.7	1.9	ug/kg	
124-48-1	Dibromochloromethane	ND	6.7	1.3	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	6.7	1.7	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.7	1.3	ug/kg	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GP-44-23-25		
Lab Sample ID:	FA14869-22	**Date Sampled:**	05/07/14
Matrix:	SO - Soil	**Date Received:**	05/09/14
Method:	SW846 8260B	**Percent Solids:**	68.7
Project:	ECI; 100 Rego Dr, Elon, NC		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-01-5	cis-1,3-Dichloropropene	ND	6.7	1.3	ug/kg	
541-73-1	m-Dichlorobenzene	ND	6.7	1.3	ug/kg	
95-50-1	o-Dichlorobenzene	ND	6.7	1.3	ug/kg	
106-46-7	p-Dichlorobenzene	ND	6.7	1.5	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.7	1.8	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.7	1.3	ug/kg	
100-41-4	Ethylbenzene	ND	6.7	1.3	ug/kg	
591-78-6	2-Hexanone	ND	33	6.5	ug/kg	
87-68-3	Hexachlorobutadiene	ND	6.7	1.3	ug/kg	
98-82-8	Isopropylbenzene	ND	6.7	1.3	ug/kg	
99-87-6	p-Isopropyltoluene	ND	6.7	1.3	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	33	6.7	ug/kg	
74-83-9	Methyl bromide	ND	6.7	2.5	ug/kg	
74-87-3	Methyl chloride	ND	6.7	2.7	ug/kg	
74-95-3	Methylene bromide	ND	6.7	1.5	ug/kg	
75-09-2	Methylene chloride	ND	13	5.3	ug/kg	
78-93-3	Methyl ethyl ketone	ND	33	10	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	6.7	1.3	ug/kg	
91-20-3	Naphthalene	ND	6.7	2.7	ug/kg	
103-65-1	n-Propylbenzene	ND	6.7	1.3	ug/kg	
100-42-5	Styrene	ND	6.7	1.3	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	6.7	1.4	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.7	1.3	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.7	1.9	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.7	2.1	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	6.7	1.6	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	6.7	2.5	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.7	1.5	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	6.7	1.3	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	6.7	1.3	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.7	1.7	ug/kg	
108-88-3	Toluene	ND	6.7	1.3	ug/kg	
79-01-6	Trichloroethylene	9.8	6.7	1.4	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.7	1.3	ug/kg	
75-01-4	Vinyl chloride	ND	6.7	1.4	ug/kg	
108-05-4	Vinyl Acetate	ND	33	11	ug/kg	
	m,p-Xylene	ND	13	2.1	ug/kg	
95-47-6	o-Xylene	ND	6.7	1.4	ug/kg	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GP-44-23-25		
Lab Sample ID:	FA14869-22	**Date Sampled:**	05/07/14
Matrix:	SO - Soil	**Date Received:**	05/09/14
Method:	SW846 8260B	**Percent Solids:**	68.7
Project:	ECI; 100 Rego Dr, Elon, NC		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	111%		75-124%
2037-26-5	Toluene-D8	104%		75-126%
460-00-4	4-Bromofluorobenzene	99%		71-133%
17060-07-0	1,2-Dichloroethane-D4	112%		72-135%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile [a]		0	ug/kg	

(a) No TICs detected.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GP-44-23-25		
Lab Sample ID:	FA14869-22L	**Date Sampled:**	05/07/14
Matrix:	SO - Soil	**Date Received:**	05/09/14
Method:	SW846 8260B SW846 1312	**Percent Solids:**	68.7
Project:	ECI; 100 Rego Dr, Elon, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0076501.D	1	05/19/14	RB	05/13/14	OP51578	VN3348
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List **SPLP Leachate method SW846 1312**

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
67-64-1	Acetone	ND		0.025	0.011	mg/l	
71-43-2	Benzene	ND		0.0010	0.00024	mg/l	
75-27-4	Bromodichloromethane	ND		0.0010	0.00026	mg/l	
75-25-2	Bromoform	ND		0.0010	0.00038	mg/l	
108-90-7	Chlorobenzene	ND		0.0010	0.00024	mg/l	
75-00-3	Chloroethane	ND		0.0020	0.00050	mg/l	
67-66-3	Chloroform	ND		0.0010	0.00031	mg/l	
75-15-0	Carbon disulfide	ND		0.0020	0.00020	mg/l	
56-23-5	Carbon tetrachloride	ND		0.0010	0.00040	mg/l	
75-34-3	1,1-Dichloroethane	ND		0.0010	0.00026	mg/l	
75-35-4	1,1-Dichloroethylene	ND		0.0010	0.00025	mg/l	
107-06-2	1,2-Dichloroethane	ND		0.0010	0.00024	mg/l	
78-87-5	1,2-Dichloropropane	ND		0.0010	0.00036	mg/l	
124-48-1	Dibromochloromethane	ND		0.0010	0.00036	mg/l	
156-59-2	cis-1,2-Dichloroethylene	ND		0.0010	0.00033	mg/l	
10061-01-5	cis-1,3-Dichloropropene	ND		0.0010	0.00021	mg/l	
156-60-5	trans-1,2-Dichloroethylene	ND		0.0010	0.00034	mg/l	
10061-02-6	trans-1,3-Dichloropropene	ND		0.0010	0.00021	mg/l	
100-41-4	Ethylbenzene	0.00032		0.0010	0.00028	mg/l	J
591-78-6	2-Hexanone	ND		0.010	0.0020	mg/l	
108-10-1	4-Methyl-2-pentanone	ND		0.0050	0.0010	mg/l	
74-83-9	Methyl bromide	ND		0.0020	0.00054	mg/l	
74-87-3	Methyl chloride	ND		0.0020	0.00053	mg/l	
75-09-2	Methylene chloride	ND		0.0050	0.0020	mg/l	
78-93-3	Methyl ethyl ketone	ND		0.0050	0.0015	mg/l	
100-42-5	Styrene	ND		0.0010	0.00023	mg/l	
71-55-6	1,1,1-Trichloroethane	ND		0.0010	0.00034	mg/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.0010	0.00027	mg/l	
79-00-5	1,1,2-Trichloroethane	ND		0.0010	0.00032	mg/l	
127-18-4	Tetrachloroethylene	0.00043		0.0010	0.00026	mg/l	J
108-88-3	Toluene	0.0019		0.0010	0.00020	mg/l	
79-01-6	Trichloroethylene	ND		0.0010	0.00030	mg/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
MCL = Maximum Contamination Level (not available) B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GP-44-23-25		
Lab Sample ID:	FA14869-22L	**Date Sampled:**	05/07/14
Matrix:	SO - Soil	**Date Received:**	05/09/14
Method:	SW846 8260B SW846 1312	**Percent Solids:**	68.7
Project:	ECI; 100 Rego Dr, Elon, NC		

VOA TCL List **SPLP Leachate method SW846 1312**

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND		0.0010	0.00033	mg/l	
1330-20-7	Xylene (total)	0.0014		0.0030	0.00066	mg/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		83-118%
17060-07-0	1,2-Dichloroethane-D4	98%		79-125%
2037-26-5	Toluene-D8	97%		85-112%
460-00-4	4-Bromofluorobenzene	99%		83-118%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
MCL = Maximum Contamination Level (not available) B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP-1		
Lab Sample ID:	FA14869-23	**Date Sampled:**	05/07/14
Matrix:	SO - Soil	**Date Received:**	05/09/14
		Percent Solids:	78.2
Project:	ECI; 100 Rego Dr, Elon, NC		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Antimony	0.11 U	1.1	0.11	mg/kg	1	05/13/14	05/13/14	LM	SW846 6010C [1]	SW846 3050B [2]
Beryllium	0.18 B	0.28	0.028	mg/kg	1	05/13/14	05/13/14	LM	SW846 6010C [1]	SW846 3050B [2]
Copper	18.3	1.4	0.055	mg/kg	1	05/13/14	05/13/14	LM	SW846 6010C [1]	SW846 3050B [2]
Manganese	125	0.83	0.028	mg/kg	1	05/13/14	05/13/14	LM	SW846 6010C [1]	SW846 3050B [2]
Nickel	3.1	2.2	0.028	mg/kg	1	05/13/14	05/13/14	LM	SW846 6010C [1]	SW846 3050B [2]
Thallium	0.083 U	0.55	0.083	mg/kg	1	05/13/14	05/13/14	LM	SW846 6010C [1]	SW846 3050B [2]
Zinc	7.7	1.1	0.17	mg/kg	1	05/13/14	05/13/14	LM	SW846 6010C [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA11595
(2) Prep QC Batch: MP27247

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	DUP-2		
Lab Sample ID:	FA14869-24	**Date Sampled:**	05/07/14
Matrix:	SO - Soil	**Date Received:**	05/09/14
Method:	SW846 8260B	**Percent Solids:**	78.6 [a]
Project:	ECI; 100 Rego Dr, Elon, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C098311.D	1	05/09/14	AH	n/a	n/a	VC3942
Run #2	C098333.D	1	05/12/14	AH	n/a	n/a	VC3943

	Initial Weight	Methanol Aliquot
Run #1	5.12 g	
Run #2	5.32 g	100 ul

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	22.7	62	19	ug/kg	J
107-02-8	Acrolein	ND	31	13	ug/kg	
107-13-1	Acrylonitrile	ND	31	9.7	ug/kg	
71-43-2	Benzene	ND	6.2	1.2	ug/kg	
108-86-1	Bromobenzene	ND	6.2	1.4	ug/kg	
74-97-5	Bromochloromethane	ND	6.2	2.4	ug/kg	
75-27-4	Bromodichloromethane	ND	6.2	1.2	ug/kg	
75-25-2	Bromoform	ND	6.2	1.3	ug/kg	
104-51-8	n-Butylbenzene	ND	6.2	1.2	ug/kg	
135-98-8	sec-Butylbenzene	ND	6.2	1.2	ug/kg	
98-06-6	tert-Butylbenzene	ND	6.2	1.2	ug/kg	
108-90-7	Chlorobenzene	ND	6.2	1.2	ug/kg	
75-00-3	Chloroethane	ND	6.2	2.8	ug/kg	
67-66-3	Chloroform	3.1	6.2	1.4	ug/kg	J
95-49-8	o-Chlorotoluene	ND	6.2	1.2	ug/kg	
106-43-4	p-Chlorotoluene	ND	6.2	1.2	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	31	12	ug/kg	
75-15-0	Carbon disulfide	ND	6.2	1.2	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.2	1.7	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.2	1.2	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.2	1.2	ug/kg	
563-58-6	1,1-Dichloropropene	ND	6.2	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	6.2	2.6	ug/kg	
106-93-4	1,2-Dibromoethane	ND	6.2	2.2	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.2	1.2	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.2	1.2	ug/kg	
142-28-9	1,3-Dichloropropane	ND	6.2	1.2	ug/kg	
123-91-1	1,4-Dioxane	ND	250	66	ug/kg	
594-20-7	2,2-Dichloropropane	ND	6.2	1.8	ug/kg	
124-48-1	Dibromochloromethane	ND	6.2	1.2	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	6.2	1.6	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	21.3	6.2	1.2	ug/kg	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP-2		
Lab Sample ID:	FA14869-24	**Date Sampled:**	05/07/14
Matrix:	SO - Soil	**Date Received:**	05/09/14
Method:	SW846 8260B	**Percent Solids:**	78.6 [a]
Project:	ECI; 100 Rego Dr, Elon, NC		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-01-5	cis-1,3-Dichloropropene	ND	6.2	1.2	ug/kg	
541-73-1	m-Dichlorobenzene	ND	6.2	1.2	ug/kg	
95-50-1	o-Dichlorobenzene	ND	6.2	1.2	ug/kg	
106-46-7	p-Dichlorobenzene	ND	6.2	1.4	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.2	1.7	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.2	1.2	ug/kg	
100-41-4	Ethylbenzene	ND	6.2	1.2	ug/kg	
591-78-6	2-Hexanone	ND	31	6.1	ug/kg	
87-68-3	Hexachlorobutadiene	ND	6.2	1.3	ug/kg	
98-82-8	Isopropylbenzene	ND	6.2	1.2	ug/kg	
99-87-6	p-Isopropyltoluene	ND	6.2	1.2	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	31	6.2	ug/kg	
74-83-9	Methyl bromide	ND	6.2	2.3	ug/kg	
74-87-3	Methyl chloride	ND	6.2	2.5	ug/kg	
74-95-3	Methylene bromide	ND	6.2	1.4	ug/kg	
75-09-2	Methylene chloride	ND	12	5.0	ug/kg	
78-93-3	Methyl ethyl ketone	ND	31	9.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	6.2	1.2	ug/kg	
91-20-3	Naphthalene	ND	6.2	2.5	ug/kg	
103-65-1	n-Propylbenzene	ND	6.2	1.2	ug/kg	
100-42-5	Styrene	ND	6.2	1.2	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	6.2	1.3	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.2	1.2	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.2	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.2	2.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	6.2	1.5	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	6.2	2.3	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.2	1.4	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	6.2	1.2	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	6.2	1.2	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.2	1.6	ug/kg	
108-88-3	Toluene	ND	6.2	1.2	ug/kg	
79-01-6	Trichloroethylene	464 [b]	370	75	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.2	1.2	ug/kg	
75-01-4	Vinyl chloride	ND	6.2	1.3	ug/kg	
108-05-4	Vinyl Acetate	ND	31	10	ug/kg	
	m,p-Xylene	ND	12	2.0	ug/kg	
95-47-6	o-Xylene	ND	6.2	1.3	ug/kg	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP-2		
Lab Sample ID:	FA14869-24	**Date Sampled:**	05/07/14
Matrix:	SO - Soil	**Date Received:**	05/09/14
Method:	SW846 8260B	**Percent Solids:**	78.6 [a]
Project:	ECI; 100 Rego Dr, Elon, NC		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	111%	108%	75-124%
2037-26-5	Toluene-D8	104%	106%	75-126%
460-00-4	4-Bromofluorobenzene	98%	102%	71-133%
17060-07-0	1,2-Dichloroethane-D4	115%	112%	72-135%

CAS No.	Tentatively Identified Compounds [c]	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

(a) data from -13
(b) Result is from Run# 2
(c) No TICs detected.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RB-1		
Lab Sample ID:	FA14869-25	**Date Sampled:**	05/07/14
Matrix:	AQ - Equipment Blank	**Date Received:**	05/09/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z25593.D	1	05/15/14	KW	n/a	n/a	VZ1001
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	11	ug/l	
107-02-8	Acrolein	ND	20	6.4	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.24	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.31	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.38	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.26	ug/l	
75-25-2	Bromoform	ND	1.0	0.38	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.30	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.27	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.31	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.23	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.29	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.40	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.25	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.78	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.24	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.24	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.36	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.34	ug/l	
123-91-1	1,4-Dioxane	ND	200	20	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.33	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.36	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.33	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.33	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RB-1		
Lab Sample ID:	FA14869-25	**Date Sampled:**	05/07/14
Matrix:	AQ - Equipment Blank	**Date Received:**	05/09/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.29	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.34	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.28	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.24	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.53	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.29	ug/l	
75-09-2	Methylene chloride	2.3	5.0	2.0	ug/l	J
78-93-3	Methyl ethyl ketone	ND	5.0	1.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.24	ug/l	
100-42-5	Styrene	ND	1.0	0.23	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.34	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.27	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.32	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.57	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.24	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.26	ug/l	
108-88-3	Toluene	0.37	1.0	0.20	ug/l	J
79-01-6	Trichloroethylene	ND	1.0	0.30	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.33	ug/l	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
	m,p-Xylene	ND	2.0	0.48	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RB-1		
Lab Sample ID:	FA14869-25	**Date Sampled:**	05/07/14
Matrix:	AQ - Equipment Blank	**Date Received:**	05/09/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		83-118%
17060-07-0	1,2-Dichloroethane-D4	113%		79-125%
2037-26-5	Toluene-D8	100%		85-112%
460-00-4	4-Bromofluorobenzene	91%		83-118%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile [a]		0	ug/l	

(a) No TICs detected.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RB-1		
Lab Sample ID:	FA14869-25	**Date Sampled:**	05/07/14
Matrix:	AQ - Equipment Blank	**Date Received:**	05/09/14
		Percent Solids:	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Antimony	2.3 U	6.0	2.3	ug/l	1	05/14/14	05/14/14	LM	SW846 6010C [1]	SW846 3010A [2]
Beryllium	0.50 U	4.0	0.50	ug/l	1	05/14/14	05/14/14	LM	SW846 6010C [1]	SW846 3010A [2]
Copper	4.7 B	25	1.0	ug/l	1	05/14/14	05/14/14	LM	SW846 6010C [1]	SW846 3010A [2]
Manganese	2.0 B	15	1.0	ug/l	1	05/14/14	05/14/14	LM	SW846 6010C [1]	SW846 3010A [2]
Nickel	0.50 U	40	0.50	ug/l	1	05/14/14	05/14/14	LM	SW846 6010C [1]	SW846 3010A [2]
Thallium	2.0 U	10	2.0	ug/l	1	05/14/14	05/14/14	LM	SW846 6010C [1]	SW846 3010A [2]
Zinc	13.2 B	20	3.0	ug/l	1	05/14/14	05/14/14	LM	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA11598
(2) Prep QC Batch: MP27252

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Southeast ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

Accutest Laboratories Southeast
Chain of Custody

ACCUTEST LABORATORIES

4405 Vineland Road, Suite C-15 Orlando, Fl 32811
TEL. 407-425-6700 • FAX: 407-425-0707
www.accutest.com

Accutest JOB # FA14869 PAGE 1 OF 3

Accutest Quote #

SKIFF#

Client / Reporting Information

Company Name: ERM
Address: 1130 Situs Ct. Suite 250
City: Raleigh State: NC Zip: 27606
Project Contact: E-mail: Lane.dorman@erm.com
Phone#: 919-233-9501
Sampler(s) Name(s) (Printed): G. Kanellis

Project Information

Project Name: ECI Elon
Street: 100 Rogers Rd
City: Elon State: NC
Project #:
Fax #:
Client Purchase Order #:

Analytical Information

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe

Accutest Sample #	Field ID / Point of Collection	Date	Time	Sampled By	Matrix	Total # of Bottles	Other	None	HCl	NaOH	HNO3	H2SO4	NaOH+ZNAC	DI WATER	MEOH	Total Sb, Be, Cu, Mn, Ni, Tl, Zn	HSL metals	VOC 8260
1	HA-4-01	5/6/14	0900	GK	SO	1		X								X		
2	BG-1-5		1000														X	
3	BG-1-15		1010															
4	BG-2-5		1100															
5	BG-2-15		1115															
6	BG-3-5		1150															
7	BG-3-15		1200															
8	BG-4-5		1215															
9	BG-4-15		1230															
10	BG-5-5		1345															
11	BG-5-15		1355															
12	Trip Blank-2	-	-	-	WW	2		X										X

LAB USE ONLY

TURNAROUND TIME (Business Days)

Approved By: / Rush Code

- [x] 10 Days Standard
- [ ] 7 Day RUSH
- [ ] 5 Day RUSH
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY
- [ ] OTHER

Emergency or Rush T/A Data Available VIA Email or Lablink

Data Deliverable Information

- [ ] COMMERCIAL "A" (RESULTS ONLY)
- [x] COMMERCIAL "B" (RESULTS PLUS QC)
- [ ] REDT1 (EPA LEVEL 3)
- [ ] FULT1 (EPA LEVEL 4)
- [ ] EDD'S

RALEIGH.NC

SVC CENTER

Comments / Remarks

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
1 [signature]	5/8/14 0730	2 Brent Vader	3 Brent Vader	5/8/14 1700	4 FX
Relinquished by: 5 FX	Date Time: 5-9-14	Received By: 6 J. Conne (ALSE)	Relinquished by: 7	Date Time:	Received By: 8

Lab Use Only: Custody Seal in Place: Y N Temp Blank Provided: Y N Preserved where Applicable: Y N Total # of Coolers: 2 Cooler Temperature (s) Celsius: 3.0 3.6

4.1

4

FA14869: Chain of Custody
Page 1 of 6

Accutest Laboratories Southeast
Chain of Custody

ACCUTEST LABORATORIES

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www.accutest.com

Accutest JOB # FA14869 PAGE 2 OF 3

Accutest Quote #

SKIFF#

Client / Reporting Information

Company Name: ERM
Address: 1130 Situs Ct. Suite 250
City: Raleigh State: NC Zip: 27606
Project Contact: Lane-Dorman E-mail: @erm.com
Phone#: 919-233-4501
Sampler(s) Name(s) (Printed): G. Kavellis

Project Information

Project Name: ECI Elon
Street: 100 Rogo Dr.
City: Elon State: NC
Project #:
Fax #:
Client Purchase Order #:

Analytical Information

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL - Sludge
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe

Accutest Sample #	Field ID / Point of Collection	Collection Date	Collection Time	Sampled By	Matrix	Total # of Bottles	Container Information: OTHER	NONE	HCl	NaOH	HNO3	H2SO4	NaOH+ZnAc	DI WATER	MeOH	VOC 8260 + 10 TICs	VOC 8260 SIM 1,4 Dioxane	SPLP VOC	* Total sb, Be, Cr, Mn, Ni, Tl, Zn	LAB USE ONLY
13	GP-40-5-7	5/7/14	1545	GK	SO	4		1						1	2	x	x	x		
14	GP-40-18-20		1555			4										x	x	x		
15	GP-41-5-7		1400			1													x	
16	GP-41-23-25		1410			1													x	
17	GP-42-5-7		1715			4		1						1	2	x	x	x		
18	GP-42-20-22		1725																	
19	GP-43-8-10		1930																	
20	GP-43-28-30		1940																	
21	GP-44-5-7		2100																	
22	GP-44-23-25		2110																	
23	~~GP-45~~ Dup-1		1405			1		1											x	
24	Dup-2		1550			4		1						1	2	x	x	[illegible]		

TURNAROUND TIME (Business Days)

Approved By: / Rush Code

- [x] 10 Days Standard
- [ ] 7 Day RUSH
- [ ] 5 Day RUSH
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY
- [ ] OTHER

Emergency or Rush T/A Data Available VIA Email or Lablink

Data Deliverable Information

- [ ] COMMERCIAL "A" (RESULTS ONLY)
- [x] COMMERCIAL "B" (RESULTS PLUS QC)
- [ ] REDT1 (EPA LEVEL 3)
- [ ] FULT1 (EPA LEVEL 4)
- [ ] EDD'S

RALEIGH, NC

SVC CENTER

Comments / Remarks

* Hold GP-41-23-25 pending results of GP-41-5-7 and ERM approval

** Dup-2: take moisture content from GP-40-5-7

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
1 [illegible]	5/8/14 0730	2 Brent Bodly	3 Brent Bodly	5/8/14 1700	4 FX
Relinquished by: 5 FX	Date Time: 5-9-14	Received By: 6 [illegible] (ALSE) 14:30	Relinquished by: 7	Date Time:	Received By: 8

Lab Use Only: Custody Seal in Place: Y N Temp Blank Provided: Y N Preserved where Applicable: Y N Total # of Coolers: Cooler Temperature (s) Celsius: _

4.1
4

FA14869: Chain of Custody
Page 2 of 6

Accutest Laboratories Southeast
Chain of Custody

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www.accutest.com

Accutest JOB # FA14869 PAGE 3 OF 3

Accutest Quote # | SKIFF#

Client / Reporting Information

Company Name: ERM
Address: 1130 Situs Ct. Suite 250
City: Raleigh State: NC Zip: 27606
Project Contact: E-mail: Lane.Dorman@erm.com
Phone#: 919-233-4501
Sampler(s) Name(s) (Printed): G. Karellis

Project Information

Project Name: ECI Elon
Street: HO 100 Rego Dr.
City: Elon State: NC
Project #:
Fax #:
Client Purchase Order #:

Analytical Information

Accutest Sample #	Field ID / Point of Collection	Collection Date	Time	Sampled By	Matrix	Total # of Bottles	Other	None	HCl	NaOH	HNO3	H2SO4	NaOH+ZnAc	DI Water	MeOH	Total Sb, Be, Cu, Mn, Ni, Tl, Zn	VOC 8260 + 10 TICs	1,4 Dioxane 8260 SIM									Lab Use Only
25	RB-1	5/7/14	1430	GK	WW	7			6		1					X	X	X									

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL - Sludge
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe

TURNAROUND TIME (Business Days)

Approved By: / Rush Code

- [x] 10 Days Standard
- [ ] 7 Day RUSH
- [ ] 5 Day RUSH
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY
- [ ] OTHER

Emergency or Rush T/A Data Available VIA Email or Lablink

Data Deliverable Information

- [ ] COMMERCIAL "A" (RESULTS ONLY)
- [x] COMMERCIAL "B" (RESULTS PLUS QC)
- [ ] REDT1 (EPA LEVEL 3)
- [ ] FULT1 (EPA LEVEL 4)
- [ ] EDD'S

RALEIGH, NC

SVC CENTER

Comments / Remarks

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
1 [signature]	5/8/14 0920	2 Brent Rodes	3 Brent Rodes	5/8/14 1700	4 FX
Relinquished by: FX	Date Time: 5-9-14	Received By: 6 Courier (AIR) 14:30	Relinquished by: 7	Date Time:	Received By: 8

Lab Use Only: Custody Seal in Place: Y N Temp Blank Provided: Y N Preserved where Applicable: Y N Total # of Coolers: Cooler Temperature (s) Celsius:

4.1
4

FA14869: Chain of Custody
Page 3 of 6

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: FA14869 CLIENT: EEM PROJECT: EC1

DATE/TIME RECEIVED 05-09-14 14:20 (MM/DD/YY 24:00) NUMBER OF COOLERS RECEIVED: 2

METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 7988 0082 1000

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET

TRIP BLANK INFORMATION

- [X] TRIP BLANK PROVIDED
- [ ] TRIP BLANK NOT PROVIDED
- [ ] TRIP BLANK NOT ON COC
- [X] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [X] RECEIVED WATER TRIP BLANK
- [ ] RECEIVED SOIL TRIP BLANK

MISC. INFORMATION

NUMBER OF ENCORES ? 25-GRAM_____ 5-GRAM_____

NUMBER OF 5035 FIELD KITS ? 9

NUMBER OF LAB FILTERED METALS ? _____

TEMPERATURE INFORMATION

- [ ] IR THERM ID 1 CORR. FACTOR +0.4
- [ ] OBSERVED TEMPS: 2.6 3.2
- [ ] CORRECTED TEMPS: 3.0 3.6

SAMPLE INFORMATION

- [ ] INCORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] DATES/TIMES ON COC DO NOT MATCH SAMPLE LABEL
- [ ] ID'S ON COC DO NOT MATCH LABEL
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING OR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] 5035 FIELD KITS NOT RECEIVED WITHIN 48 HOURS
- [ ] BULK VOA SOIL JARS NOT RECEIVED WITHIN 48 HOURS
- [X] % SOLIDS JAR NOT RECEIVED
- [ ] RESIDUAL CHLORINE PRESENT

(APPICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)

SUMMARY OF COMMENTS: NO SOIL JAR RECEIVED FOR SAMPLE #2d

TECHNICIAN SIGNATURE/DATE R Willen 05-09-14 REVIEWER SIGNATURE/DATE R Willen 05-09-14

RS 04/14 receipt confirmation 041514.xls

4.1

4

FA14869: Chain of Custody
Page 4 of 6

From: (919) 208-7171
Brent Rader
Accutest Labs Southeast
6308 - C Angus Drive

Raleigh, NC 27617

Origin ID: RZZA

FedEx. Express

J1410140207032 6

Ship Date: 08MAY14
ActWgt: 15.0 LB
CAD: 9855222/INET3490

Delivery Address Bar Code

Ref #
Invoice #
PO #
Dept #

SHIP TO: (407) 425-6700
BILL SENDER

Sample Receiving
Accutest SE
4405 VINELAND RD.
STE. C15
ORLANDO, FL 32811

5 of 5

FRI - 09 MAY AA
STANDARD OVERNIGHT

MPS# 7988 0136 7130
0263
Mstr# 7988 0136 6226
0201

NB TIXA

32811
FL-US
MCO

522G1/6203/F220

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2. Fold the printed page along the horizontal line.
3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

Warning: Use only the printed original label for shipping. Using a photocopy of this label for shipping purposes is fraudulent and could result in additional billing charges, along with the cancellation of your FedEx account number.
Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com.FedEx will not be responsible for any claim in excess of $100 per package, whether the result of loss, damage, delay, non-delivery,misdelivery,or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim.Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental,consequential, or special is limited to the greater of $100 or the authorized declared value. Recovery cannot exceed actual documented loss.Maximum for items of extraordinary value is $1,000, e.g. jewelry, precious metals, negotiable instruments and other items listed in our ServiceGuide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

4.1 4

From: (919) 208-7171
Brent Rader
Accutest Labs Southeast
6308 - C Angus Drive

Raleigh, NC 27617

Origin ID: RZZA

FedEx. Express

J14101402070326

Ship Date: 08MAY14
ActWgt: 15.0 LB
CAD: 9855222/INET3490

Delivery Address Bar Code

Ref #
Invoice #
PO #
Dept #

SHIP TO: (407) 425-6700

BILL SENDER

Sample Receiving
Accutest SE
4405 VINELAND RD.
STE. C15
ORLANDO, FL 32811

FRI - 09 MAY 10:30A
PRIORITY OVERNIGHT

TRK# 0201 7988 0082 1000

NB TIXA

32811
FL-US
MCO

522G1/52D3/F220

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Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com.FedEx will not be responsible for any claim in excess of $100 per package, whether the result of loss, damage, delay, non-delivery,misdelivery,or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim.Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental,consequential, or special is limited to the greater of $100 or the authorized declared value. Recovery cannot exceed actual documented loss.Maximum for items of extraordinary value is $1,000, e.g. jewelry, precious metals, negotiable instruments and other items listed in our ServiceGuide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

Southeast ACCUTEST LABORATORIES

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: FA14869
Account: ERMNCR ERM
Project: ECI; 100 Rego Dr, Elon, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC3942-MB	C098300.D	1	05/09/14	AH	n/a	n/a	VC3942

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA14869-13, FA14869-14, FA14869-17, FA14869-19, FA14869-21, FA14869-22, FA14869-24

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	15	ug/kg	
107-02-8	Acrolein	ND	25	11	ug/kg	
107-13-1	Acrylonitrile	ND	25	7.8	ug/kg	
71-43-2	Benzene	ND	5.0	1.0	ug/kg	
108-86-1	Bromobenzene	ND	5.0	1.1	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	1.9	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	1.0	ug/kg	
75-25-2	Bromoform	ND	5.0	1.1	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	1.0	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	1.0	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	1.0	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	2.3	ug/kg	
67-66-3	Chloroform	ND	5.0	1.1	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	1.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	1.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	10	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	1.0	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	1.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.0	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	1.1	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.1	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	1.8	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	1.0	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	1.0	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	1.0	ug/kg	
123-91-1	1,4-Dioxane	ND	200	53	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	1.4	ug/kg	
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	1.3	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.0	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	1.1	ug/kg	

Method Blank Summary

Job Number: FA14869
Account: ERMNCR ERM
Project: ECI; 100 Rego Dr, Elon, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC3942-MB	C098300.D	1	05/09/14	AH	n/a	n/a	VC3942

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA14869-13, FA14869-14, FA14869-17, FA14869-19, FA14869-21, FA14869-22, FA14869-24

CAS No.	Compound	Result	RL	MDL	Units	Q
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.3	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/kg	
591-78-6	2-Hexanone	ND	25	4.9	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	1.0	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	1.0	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	1.0	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	5.0	ug/kg	
74-83-9	Methyl bromide	ND	5.0	1.9	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	1.2	ug/kg	
75-09-2	Methylene chloride	7.6	10	4.0	ug/kg	J
78-93-3	Methyl ethyl ketone	ND	25	7.5	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.0	ug/kg	
91-20-3	Naphthalene	ND	5.0	2.0	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	1.0	ug/kg	
100-42-5	Styrene	ND	5.0	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	1.1	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.0	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.4	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.6	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	1.2	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	1.2	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	1.3	ug/kg	
108-88-3	Toluene	ND	5.0	1.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	1.0	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	1.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	1.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	8.0	ug/kg	
	m,p-Xylene	ND	10	1.6	ug/kg	
95-47-6	o-Xylene	ND	5.0	1.1	ug/kg	

Method Blank Summary

Job Number: FA14869
Account: ERMNCR ERM
Project: ECI; 100 Rego Dr, Elon, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC3942-MB	C098300.D	1	05/09/14	AH	n/a	n/a	VC3942

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA14869-13, FA14869-14, FA14869-17, FA14869-19, FA14869-21, FA14869-22, FA14869-24

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	107%	75-124%
2037-26-5	Toluene-D8	103%	75-126%
460-00-4	4-Bromofluorobenzene	99%	71-133%
17060-07-0	1,2-Dichloroethane-D4	106%	72-135%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile [a]		0	ug/kg	

(a) No TICs detected.

Method Blank Summary

Job Number: FA14869
Account: ERMNCR ERM
Project: ECI; 100 Rego Dr, Elon, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC3943-MB	C098321.D	1	05/12/14	AH	n/a	n/a	VC3943

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA14869-14, FA14869-17, FA14869-18, FA14869-19, FA14869-20, FA14869-24

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	15	ug/kg	
107-02-8	Acrolein	ND	25	11	ug/kg	
107-13-1	Acrylonitrile	ND	25	7.8	ug/kg	
71-43-2	Benzene	ND	5.0	1.0	ug/kg	
108-86-1	Bromobenzene	ND	5.0	1.1	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	1.9	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	1.0	ug/kg	
75-25-2	Bromoform	ND	5.0	1.1	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	1.0	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	1.0	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	1.0	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	2.3	ug/kg	
67-66-3	Chloroform	ND	5.0	1.1	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	1.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	1.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	10	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	1.0	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	1.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.0	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	1.1	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.1	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	1.8	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	1.0	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	1.0	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	1.0	ug/kg	
123-91-1	1,4-Dioxane	ND	200	53	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	1.4	ug/kg	
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	1.3	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.0	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	1.1	ug/kg	

Method Blank Summary

Job Number: FA14869
Account: ERMNCR ERM
Project: ECI; 100 Rego Dr, Elon, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC3943-MB	C098321.D	1	05/12/14	AH	n/a	n/a	VC3943

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA14869-14, FA14869-17, FA14869-18, FA14869-19, FA14869-20, FA14869-24

CAS No.	Compound	Result	RL	MDL	Units	Q
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.3	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/kg	
591-78-6	2-Hexanone	ND	25	4.9	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	1.0	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	1.0	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	1.0	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	5.0	ug/kg	
74-83-9	Methyl bromide	ND	5.0	1.9	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	1.2	ug/kg	
75-09-2	Methylene chloride	4.8	10	4.0	ug/kg	J
78-93-3	Methyl ethyl ketone	ND	25	7.5	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.0	ug/kg	
91-20-3	Naphthalene	ND	5.0	2.0	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	1.0	ug/kg	
100-42-5	Styrene	ND	5.0	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	1.1	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.0	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.4	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.6	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	1.2	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	1.2	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	1.3	ug/kg	
108-88-3	Toluene	ND	5.0	1.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	1.0	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	1.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	1.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	8.0	ug/kg	
	m,p-Xylene	ND	10	1.6	ug/kg	
95-47-6	o-Xylene	ND	5.0	1.1	ug/kg	

Method Blank Summary

Job Number: FA14869
Account: ERMNCR ERM
Project: ECI; 100 Rego Dr, Elon, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC3943-MB	C098321.D	1	05/12/14	AH	n/a	n/a	VC3943

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA14869-14, FA14869-17, FA14869-18, FA14869-19, FA14869-20, FA14869-24

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	106%	75-124%
2037-26-5	Toluene-D8	102%	75-126%
460-00-4	4-Bromofluorobenzene	97%	71-133%
17060-07-0	1,2-Dichloroethane-D4	108%	72-135%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile [a]		0	ug/kg	

(a) No TICs detected.

Method Blank Summary

Job Number: FA14869
Account: ERMNCR ERM
Project: ECI; 100 Rego Dr, Elon, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VZ1001-MB	Z25573.D	1	05/15/14	KW	n/a	n/a	VZ1001

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA14869-12, FA14869-25

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	11	ug/l	
107-02-8	Acrolein	ND	20	6.4	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.24	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.31	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.38	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.26	ug/l	
75-25-2	Bromoform	ND	1.0	0.38	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.30	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.27	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.31	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.23	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.29	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.40	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.25	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.78	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.24	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.24	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.36	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.34	ug/l	
123-91-1	1,4-Dioxane	ND	200	20	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.33	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.36	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.33	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.29	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	

Method Blank Summary

Job Number: FA14869
Account: ERMNCR ERM
Project: ECI; 100 Rego Dr, Elon, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VZ1001-MB	Z25573.D	1	05/15/14	KW	n/a	n/a	VZ1001

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA14869-12, FA14869-25

CAS No.	Compound	Result	RL	MDL	Units	Q
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.34	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.28	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.24	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.53	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.29	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	1.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.24	ug/l	
100-42-5	Styrene	ND	1.0	0.23	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.34	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.27	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.32	ug/l	
87-61-6	1,2,3-Trichlorobenzene	0.65	1.0	0.50	ug/l	J
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.57	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.24	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.26	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.30	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.33	ug/l	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
	m,p-Xylene	ND	2.0	0.48	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

Method Blank Summary

Job Number: FA14869
Account: ERMNCR ERM
Project: ECI; 100 Rego Dr, Elon, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VZ1001-MB	Z25573.D	1	05/15/14	KW	n/a	n/a	VZ1001

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA14869-12, FA14869-25

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	102%	83-118%
17060-07-0	1,2-Dichloroethane-D4	110%	79-125%
2037-26-5	Toluene-D8	102%	85-112%
460-00-4	4-Bromofluorobenzene	97%	83-118%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile [a]		0	ug/l	

(a) No TICs detected.

Leachate Blank Summary

Job Number: FA14869
Account: ERMNCR ERM
Project: ECI; 100 Rego Dr, Elon, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP51578-LB	N0076489.D	1	05/19/14	RB	05/13/14	OP51578	VN3348

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA14869-13L, FA14869-14L, FA14869-17L, FA14869-18L, FA14869-19L, FA14869-20L, FA14869-21L, FA14869-22L

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	11	ug/l	
71-43-2	Benzene	ND	1.0	0.24	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.26	ug/l	
75-25-2	Bromoform	ND	1.0	0.38	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.31	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.40	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.25	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.24	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.36	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.36	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.34	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.28	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.53	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	1.5	ug/l	
100-42-5	Styrene	ND	1.0	0.23	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.34	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.27	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.32	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.26	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.30	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.33	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.66	ug/l	

Leachate Blank Summary

Job Number: FA14869
Account: ERMNCR ERM
Project: ECI; 100 Rego Dr, Elon, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP51578-LB	N0076489.D	1	05/19/14	RB	05/13/14	OP51578	VN3348

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA14869-13L, FA14869-14L, FA14869-17L, FA14869-18L, FA14869-19L, FA14869-20L, FA14869-21L, FA14869-22L

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	102%	83-118%
17060-07-0	1,2-Dichloroethane-D4	103%	79-125%
2037-26-5	Toluene-D8	97%	85-112%
460-00-4	4-Bromofluorobenzene	102%	83-118%

Blank Spike Summary

Job Number: FA14869
Account: ERMNCR ERM
Project: ECI; 100 Rego Dr, Elon, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC3942-BS	C098299.D	1	05/09/14	AH	n/a	n/a	VC3942

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA14869-13, FA14869-14, FA14869-17, FA14869-19, FA14869-21, FA14869-22, FA14869-24

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	250	285	114	61-152
107-02-8	Acrolein	250	299	120	48-178
107-13-1	Acrylonitrile	250	268	107	66-134
71-43-2	Benzene	50	52.5	105	76-126
108-86-1	Bromobenzene	50	53.6	107	76-122
74-97-5	Bromochloromethane	50	50.1	100	77-120
75-27-4	Bromodichloromethane	50	53.6	107	74-130
75-25-2	Bromoform	50	54.4	109	76-127
104-51-8	n-Butylbenzene	50	55.1	110	71-128
135-98-8	sec-Butylbenzene	50	56.7	113	79-135
98-06-6	tert-Butylbenzene	50	58.6	117	77-133
108-90-7	Chlorobenzene	50	57.0	114	81-129
75-00-3	Chloroethane	50	53.4	107	68-133
67-66-3	Chloroform	50	59.4	119	72-123
95-49-8	o-Chlorotoluene	50	57.4	115	77-129
106-43-4	p-Chlorotoluene	50	60.3	121	80-134
110-75-8	2-Chloroethyl vinyl ether	250	276	110	45-159
75-15-0	Carbon disulfide	50	57.6	115	72-122
56-23-5	Carbon tetrachloride	50	51.3	103	78-133
75-34-3	1,1-Dichloroethane	50	59.0	118	73-125
75-35-4	1,1-Dichloroethylene	50	52.3	105	81-136
563-58-6	1,1-Dichloropropene	50	53.5	107	75-130
96-12-8	1,2-Dibromo-3-chloropropane	50	55.5	111	70-137
106-93-4	1,2-Dibromoethane	50	55.1	110	77-126
107-06-2	1,2-Dichloroethane	50	53.6	107	74-128
78-87-5	1,2-Dichloropropane	50	52.0	104	74-125
142-28-9	1,3-Dichloropropane	50	54.1	108	76-122
123-91-1	1,4-Dioxane	1000	1380	138	56-152
594-20-7	2,2-Dichloropropane	50	63.7	127	77-133
124-48-1	Dibromochloromethane	50	55.2	110	76-127
75-71-8	Dichlorodifluoromethane	50	50.8	102	68-168
156-59-2	cis-1,2-Dichloroethylene	50	50.9	102	74-126
10061-01-5	cis-1,3-Dichloropropene	50	52.8	106	80-123
541-73-1	m-Dichlorobenzene	50	58.8	118	81-129
95-50-1	o-Dichlorobenzene	50	57.8	116	80-129
106-46-7	p-Dichlorobenzene	50	53.3	107	76-130

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA14869
Account: ERMNCR ERM
Project: ECI; 100 Rego Dr, Elon, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC3942-BS	C098299.D	1	05/09/14	AH	n/a	n/a	VC3942

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA14869-13, FA14869-14, FA14869-17, FA14869-19, FA14869-21, FA14869-22, FA14869-24

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
156-60-5	trans-1,2-Dichloroethylene	50	49.0	98	70-127
10061-02-6	trans-1,3-Dichloropropene	50	57.5	115	75-131
100-41-4	Ethylbenzene	50	52.5	105	77-123
591-78-6	2-Hexanone	250	293	117	72-133
87-68-3	Hexachlorobutadiene	50	56.7	113	74-136
98-82-8	Isopropylbenzene	50	59.3	119	80-136
99-87-6	p-Isopropyltoluene	50	56.3	113	77-131
108-10-1	4-Methyl-2-pentanone	250	282	113	76-132
74-83-9	Methyl bromide	50	59.6	119	65-139
74-87-3	Methyl chloride	50	52.5	105	71-144
74-95-3	Methylene bromide	50	52.3	105	74-124
75-09-2	Methylene chloride	50	57.4	115	74-137
78-93-3	Methyl ethyl ketone	250	277	111	75-137
1634-04-4	Methyl Tert Butyl Ether	50	50.6	101	77-120
91-20-3	Naphthalene	50	57.9	116	79-129
103-65-1	n-Propylbenzene	50	58.7	117	80-135
100-42-5	Styrene	50	55.3	111	78-125
630-20-6	1,1,1,2-Tetrachloroethane	50	55.6	111	78-126
71-55-6	1,1,1-Trichloroethane	50	52.8	106	70-129
79-34-5	1,1,2,2-Tetrachloroethane	50	53.4	107	71-126
79-00-5	1,1,2-Trichloroethane	50	52.9	106	74-124
87-61-6	1,2,3-Trichlorobenzene	50	54.0	108	77-128
96-18-4	1,2,3-Trichloropropane	50	55.4	111	74-127
120-82-1	1,2,4-Trichlorobenzene	50	54.9	110	78-130
95-63-6	1,2,4-Trimethylbenzene	50	53.7	107	74-123
108-67-8	1,3,5-Trimethylbenzene	50	52.3	105	73-122
127-18-4	Tetrachloroethylene	50	51.0	102	79-130
108-88-3	Toluene	50	53.5	107	76-124
79-01-6	Trichloroethylene	50	51.8	104	75-128
75-69-4	Trichlorofluoromethane	50	51.0	102	73-145
75-01-4	Vinyl chloride	50	51.9	104	76-141
108-05-4	Vinyl Acetate	250	297	119	48-164
	m,p-Xylene	100	108	108	80-128
95-47-6	o-Xylene	50	59.8	120	80-132

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA14869
Account: ERMNCR ERM
Project: ECI; 100 Rego Dr, Elon, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC3942-BS	C098299.D	1	05/09/14	AH	n/a	n/a	VC3942

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA14869-13, FA14869-14, FA14869-17, FA14869-19, FA14869-21, FA14869-22, FA14869-24

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	98%	75-124%
2037-26-5	Toluene-D8	104%	75-126%
460-00-4	4-Bromofluorobenzene	100%	71-133%
17060-07-0	1,2-Dichloroethane-D4	102%	72-135%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA14869
Account: ERMNCR ERM
Project: ECI; 100 Rego Dr, Elon, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC3943-BS	C098320.D	1	05/12/14	AH	n/a	n/a	VC3943

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA14869-14, FA14869-17, FA14869-18, FA14869-19, FA14869-20, FA14869-24

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	250	263	105	61-152
107-02-8	Acrolein	250	286	114	48-178
107-13-1	Acrylonitrile	250	262	105	66-134
71-43-2	Benzene	50	52.3	105	76-126
108-86-1	Bromobenzene	50	52.6	105	76-122
74-97-5	Bromochloromethane	50	50.1	100	77-120
75-27-4	Bromodichloromethane	50	52.4	105	74-130
75-25-2	Bromoform	50	52.8	106	76-127
104-51-8	n-Butylbenzene	50	56.9	114	71-128
135-98-8	sec-Butylbenzene	50	58.1	116	79-135
98-06-6	tert-Butylbenzene	50	59.3	119	77-133
108-90-7	Chlorobenzene	50	55.6	111	81-129
75-00-3	Chloroethane	50	53.8	108	68-133
67-66-3	Chloroform	50	59.1	118	72-123
95-49-8	o-Chlorotoluene	50	57.7	115	77-129
106-43-4	p-Chlorotoluene	50	60.8	122	80-134
110-75-8	2-Chloroethyl vinyl ether	250	262	105	45-159
75-15-0	Carbon disulfide	50	58.6	117	72-122
56-23-5	Carbon tetrachloride	50	51.7	103	78-133
75-34-3	1,1-Dichloroethane	50	59.9	120	73-125
75-35-4	1,1-Dichloroethylene	50	53.6	107	81-136
563-58-6	1,1-Dichloropropene	50	54.1	108	75-130
96-12-8	1,2-Dibromo-3-chloropropane	50	56.7	113	70-137
106-93-4	1,2-Dibromoethane	50	53.2	106	77-126
107-06-2	1,2-Dichloroethane	50	53.7	107	74-128
78-87-5	1,2-Dichloropropane	50	51.4	103	74-125
142-28-9	1,3-Dichloropropane	50	53.6	107	76-122
123-91-1	1,4-Dioxane	1000	1230	123	56-152
594-20-7	2,2-Dichloropropane	50	66.7	133	77-133
124-48-1	Dibromochloromethane	50	55.2	110	76-127
75-71-8	Dichlorodifluoromethane	50	49.2	98	68-168
156-59-2	cis-1,2-Dichloroethylene	50	51.0	102	74-126
10061-01-5	cis-1,3-Dichloropropene	50	51.6	103	80-123
541-73-1	m-Dichlorobenzene	50	58.9	118	81-129
95-50-1	o-Dichlorobenzene	50	57.9	116	80-129
106-46-7	p-Dichlorobenzene	50	53.4	107	76-130

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA14869
Account: ERMNCR ERM
Project: ECI; 100 Rego Dr, Elon, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC3943-BS	C098320.D	1	05/12/14	AH	n/a	n/a	VC3943

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA14869-14, FA14869-17, FA14869-18, FA14869-19, FA14869-20, FA14869-24

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
156-60-5	trans-1,2-Dichloroethylene	50	50.2	100	70-127
10061-02-6	trans-1,3-Dichloropropene	50	57.6	115	75-131
100-41-4	Ethylbenzene	50	53.1	106	77-123
591-78-6	2-Hexanone	250	282	113	72-133
87-68-3	Hexachlorobutadiene	50	57.1	114	74-136
98-82-8	Isopropylbenzene	50	59.9	120	80-136
99-87-6	p-Isopropyltoluene	50	57.3	115	77-131
108-10-1	4-Methyl-2-pentanone	250	278	111	76-132
74-83-9	Methyl bromide	50	60.1	120	65-139
74-87-3	Methyl chloride	50	50.5	101	71-144
74-95-3	Methylene bromide	50	51.8	104	74-124
75-09-2	Methylene chloride	50	56.3	113	74-137
78-93-3	Methyl ethyl ketone	250	260	104	75-137
1634-04-4	Methyl Tert Butyl Ether	50	50.0	100	77-120
91-20-3	Naphthalene	50	58.7	117	79-129
103-65-1	n-Propylbenzene	50	60.0	120	80-135
100-42-5	Styrene	50	55.1	110	78-125
630-20-6	1,1,1,2-Tetrachloroethane	50	54.6	109	78-126
71-55-6	1,1,1-Trichloroethane	50	53.5	107	70-129
79-34-5	1,1,2,2-Tetrachloroethane	50	53.8	108	71-126
79-00-5	1,1,2-Trichloroethane	50	53.6	107	74-124
87-61-6	1,2,3-Trichlorobenzene	50	54.8	110	77-128
96-18-4	1,2,3-Trichloropropane	50	54.1	108	74-127
120-82-1	1,2,4-Trichlorobenzene	50	55.0	110	78-130
95-63-6	1,2,4-Trimethylbenzene	50	53.9	108	74-123
108-67-8	1,3,5-Trimethylbenzene	50	53.2	106	73-122
127-18-4	Tetrachloroethylene	50	51.6	103	79-130
108-88-3	Toluene	50	54.3	109	76-124
79-01-6	Trichloroethylene	50	51.8	104	75-128
75-69-4	Trichlorofluoromethane	50	49.6	99	73-145
75-01-4	Vinyl chloride	50	50.0	100	76-141
108-05-4	Vinyl Acetate	250	297	119	48-164
	m,p-Xylene	100	108	108	80-128
95-47-6	o-Xylene	50	59.6	119	80-132

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA14869
Account: ERMNCR ERM
Project: ECI; 100 Rego Dr, Elon, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC3943-BS	C098320.D	1	05/12/14	AH	n/a	n/a	VC3943

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA14869-14, FA14869-17, FA14869-18, FA14869-19, FA14869-20, FA14869-24

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	97%	75-124%
2037-26-5	Toluene-D8	105%	75-126%
460-00-4	4-Bromofluorobenzene	99%	71-133%
17060-07-0	1,2-Dichloroethane-D4	102%	72-135%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA14869
Account: ERMNCR ERM
Project: ECI; 100 Rego Dr, Elon, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VZ1001-BS	Z25572.D	1	05/15/14	KW	n/a	n/a	VZ1001

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA14869-12, FA14869-25

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	137	110	50-147
107-02-8	Acrolein	125	125	100	31-154
107-13-1	Acrylonitrile	125	149	119	58-126
71-43-2	Benzene	25	23.9	96	81-122
108-86-1	Bromobenzene	25	21.9	88	80-121
74-97-5	Bromochloromethane	25	21.0	84	76-123
75-27-4	Bromodichloromethane	25	21.4	86	79-123
75-25-2	Bromoform	25	21.7	87	66-123
104-51-8	n-Butylbenzene	25	23.3	93	79-126
135-98-8	sec-Butylbenzene	25	27.2	109	83-133
98-06-6	tert-Butylbenzene	25	26.4	106	80-133
108-90-7	Chlorobenzene	25	24.7	99	82-124
75-00-3	Chloroethane	25	26.6	106	62-144
67-66-3	Chloroform	25	23.7	95	80-124
95-49-8	o-Chlorotoluene	25	25.9	104	81-127
106-43-4	p-Chlorotoluene	25	27.0	108	83-130
110-75-8	2-Chloroethyl vinyl ether	125	117	94	56-122
75-15-0	Carbon disulfide	25	23.8	95	66-148
56-23-5	Carbon tetrachloride	25	21.2	85	76-136
75-34-3	1,1-Dichloroethane	25	24.4	98	81-122
75-35-4	1,1-Dichloroethylene	25	23.9	96	78-137
563-58-6	1,1-Dichloropropene	25	25.6	102	79-131
96-12-8	1,2-Dibromo-3-chloropropane	25	23.5	94	64-123
106-93-4	1,2-Dibromoethane	25	21.8	87	75-120
107-06-2	1,2-Dichloroethane	25	23.1	92	75-125
78-87-5	1,2-Dichloropropane	25	23.3	93	76-124
142-28-9	1,3-Dichloropropane	25	23.1	92	80-118
123-91-1	1,4-Dioxane	500	387	77	48-146
594-20-7	2,2-Dichloropropane	25	25.9	104	74-139
124-48-1	Dibromochloromethane	25	19.5	78	78-122
75-71-8	Dichlorodifluoromethane	25	32.5	130	42-167
156-59-2	cis-1,2-Dichloroethylene	25	22.0	88	78-120
10061-01-5	cis-1,3-Dichloropropene	25	21.1	84	75-118
541-73-1	m-Dichlorobenzene	25	24.2	97	84-125
95-50-1	o-Dichlorobenzene	25	22.7	91	82-124
106-46-7	p-Dichlorobenzene	25	22.3	89	78-120

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA14869
Account: ERMNCR ERM
Project: ECI; 100 Rego Dr, Elon, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VZ1001-BS	Z25572.D	1	05/15/14	KW	n/a	n/a	VZ1001

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA14869-12, FA14869-25

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
156-60-5	trans-1,2-Dichloroethylene	25	23.7	95	76-127
10061-02-6	trans-1,3-Dichloropropene	25	24.5	98	80-120
100-41-4	Ethylbenzene	25	23.7	95	81-121
591-78-6	2-Hexanone	125	121	97	61-129
87-68-3	Hexachlorobutadiene	25	24.2	97	75-142
98-82-8	Isopropylbenzene	25	23.8	95	83-132
99-87-6	p-Isopropyltoluene	25	24.2	97	79-130
108-10-1	4-Methyl-2-pentanone	125	121	97	66-122
74-83-9	Methyl bromide	25	29.6	118	59-143
74-87-3	Methyl chloride	25	32.2	129	50-159
74-95-3	Methylene bromide	25	22.8	91	78-119
75-09-2	Methylene chloride	25	24.3	97	69-135
78-93-3	Methyl ethyl ketone	125	113	90	56-143
1634-04-4	Methyl Tert Butyl Ether	25	22.0	88	72-117
91-20-3	Naphthalene	25	22.6	90	63-132
103-65-1	n-Propylbenzene	25	27.2	109	82-133
100-42-5	Styrene	25	19.4	78	78-119
630-20-6	1,1,1,2-Tetrachloroethane	25	23.8	95	77-122
71-55-6	1,1,1-Trichloroethane	25	24.1	96	75-130
79-34-5	1,1,2,2-Tetrachloroethane	25	24.5	98	72-120
79-00-5	1,1,2-Trichloroethane	25	23.3	93	76-119
87-61-6	1,2,3-Trichlorobenzene	25	24.6	98	68-131
96-18-4	1,2,3-Trichloropropane	25	22.1	88	77-120
120-82-1	1,2,4-Trichlorobenzene	25	22.0	88	73-129
95-63-6	1,2,4-Trimethylbenzene	25	24.1	96	79-120
108-67-8	1,3,5-Trimethylbenzene	25	23.1	92	79-120
127-18-4	Tetrachloroethylene	25	23.1	92	76-135
108-88-3	Toluene	25	23.6	94	80-120
79-01-6	Trichloroethylene	25	24.1	96	81-126
75-69-4	Trichlorofluoromethane	25	29.2	117	71-156
75-01-4	Vinyl chloride	25	28.3	113	69-159
108-05-4	Vinyl Acetate	125	147	118	43-154
	m,p-Xylene	50	49.2	98	79-126
95-47-6	o-Xylene	25	25.3	101	80-127

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA14869
Account: ERMNCR ERM
Project: ECI; 100 Rego Dr, Elon, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VZ1001-BS	Z25572.D	1	05/15/14	KW	n/a	n/a	VZ1001

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA14869-12, FA14869-25

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	101%	83-118%
17060-07-0	1,2-Dichloroethane-D4	104%	79-125%
2037-26-5	Toluene-D8	99%	85-112%
460-00-4	4-Bromofluorobenzene	93%	83-118%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA14869
Account: ERMNCR ERM
Project: ECI; 100 Rego Dr, Elon, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VN3348-BS	N0076490.D	1	05/19/14	RB	n/a	n/a	VN3348

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA14869-13L, FA14869-14L, FA14869-17L, FA14869-18L, FA14869-19L, FA14869-20L, FA14869-21L, FA14869-22L

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	123	98	50-147
71-43-2	Benzene	25	28.1	112	81-122
75-27-4	Bromodichloromethane	25	30.3	121	79-123
75-25-2	Bromoform	25	23.6	94	66-123
108-90-7	Chlorobenzene	25	27.4	110	82-124
75-00-3	Chloroethane	25	24.5	98	62-144
67-66-3	Chloroform	25	30.5	122	80-124
75-15-0	Carbon disulfide	25	29.1	116	66-148
56-23-5	Carbon tetrachloride	25	32.6	130	76-136
75-34-3	1,1-Dichloroethane	25	29.1	116	81-122
75-35-4	1,1-Dichloroethylene	25	28.2	113	78-137
107-06-2	1,2-Dichloroethane	25	30.8	123	75-125
78-87-5	1,2-Dichloropropane	25	27.6	110	76-124
124-48-1	Dibromochloromethane	25	26.9	108	78-122
156-59-2	cis-1,2-Dichloroethylene	25	27.7	111	78-120
10061-01-5	cis-1,3-Dichloropropene	25	28.8	115	75-118
156-60-5	trans-1,2-Dichloroethylene	25	30.2	121	76-127
10061-02-6	trans-1,3-Dichloropropene	25	27.5	110	80-120
100-41-4	Ethylbenzene	25	26.6	106	81-121
591-78-6	2-Hexanone	125	105	84	61-129
108-10-1	4-Methyl-2-pentanone	125	135	108	66-122
74-83-9	Methyl bromide	25	27.3	109	59-143
74-87-3	Methyl chloride	25	20.2	81	50-159
75-09-2	Methylene chloride	25	29.6	118	69-135
78-93-3	Methyl ethyl ketone	125	111	89	56-143
100-42-5	Styrene	25	26.8	107	78-119
71-55-6	1,1,1-Trichloroethane	25	31.2	125	75-130
79-34-5	1,1,2,2-Tetrachloroethane	25	24.4	98	72-120
79-00-5	1,1,2-Trichloroethane	25	24.8	99	76-119
127-18-4	Tetrachloroethylene	25	26.7	107	76-135
108-88-3	Toluene	25	24.7	99	80-120
79-01-6	Trichloroethylene	25	27.5	110	81-126
75-01-4	Vinyl chloride	25	20.7	83	69-159
1330-20-7	Xylene (total)	75	85.9	115	80-126

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA14869
Account: ERMNCR ERM
Project: ECI; 100 Rego Dr, Elon, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VN3348-BS	N0076490.D	1	05/19/14	RB	n/a	n/a	VN3348

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA14869-13L, FA14869-14L, FA14869-17L, FA14869-18L, FA14869-19L, FA14869-20L, FA14869-21L, FA14869-22L

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	106%	83-118%
17060-07-0	1,2-Dichloroethane-D4	103%	79-125%
2037-26-5	Toluene-D8	96%	85-112%
460-00-4	4-Bromofluorobenzene	99%	83-118%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA14869
Account: ERMNCR ERM
Project: ECI; 100 Rego Dr, Elon, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA14869-13MS	C098312.D	1	05/09/14	AH	n/a	n/a	VC3942
FA14869-13MSD	C098313.D	1	05/09/14	AH	n/a	n/a	VC3942
FA14869-13	C098303.D	1	05/09/14	AH	n/a	n/a	VC3942

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA14869-13, FA14869-14, FA14869-17, FA14869-19, FA14869-21, FA14869-22, FA14869-24

CAS No.	Compound	FA14869-13 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	23.5	J	347	307	82	350	326	87	6	61-152/27
107-02-8	Acrolein	ND		347	262	75	350	257	74	2	48-178/37
107-13-1	Acrylonitrile	ND		347	283	82	350	368	105	26	66-134/26
71-43-2	Benzene	ND		69.4	56.6	82	69.9	58.8	84	4	76-126/26
108-86-1	Bromobenzene	ND		69.4	57.9	83	69.9	59.3	85	2	76-122/32
74-97-5	Bromochloromethane	ND		69.4	56.2	81	69.9	58.7	84	4	77-120/24
75-27-4	Bromodichloromethane	ND		69.4	59.6	86	69.9	60.4	86	1	74-130/25
75-25-2	Bromoform	ND		69.4	59.9	86	69.9	61.4	88	2	76-127/26
104-51-8	n-Butylbenzene	ND		69.4	52.7	76	69.9	54.0	77	2	71-128/35
135-98-8	sec-Butylbenzene	ND		69.4	53.3	77*	69.9	55.4	79	4	79-135/34
98-06-6	tert-Butylbenzene	ND		69.4	57.8	83	69.9	59.1	85	2	77-133/34
108-90-7	Chlorobenzene	ND		69.4	60.6	87	69.9	61.2	88	1	81-129/29
75-00-3	Chloroethane	ND		69.4	64.3	93	69.9	60.4	86	6	68-133/29
67-66-3	Chloroform	2.0	J	69.4	68.5	96	69.9	70.8	98	3	72-123/26
95-49-8	o-Chlorotoluene	ND		69.4	58.6	84	69.9	61.0	87	4	77-129/33
106-43-4	p-Chlorotoluene	ND		69.4	60.6	87	69.9	62.4	89	3	80-134/33
110-75-8	2-Chloroethyl vinyl ether	ND		347	274	79	350	273	78	0	45-159/26
75-15-0	Carbon disulfide	ND		69.4	60.7	87	69.9	63.8	91	5	72-122/29
56-23-5	Carbon tetrachloride	ND		69.4	57.0	82	69.9	57.8	83	1	78-133/29
75-34-3	1,1-Dichloroethane	ND		69.4	67.1	97	69.9	69.6	100	4	73-125/27
75-35-4	1,1-Dichloroethylene	ND		69.4	58.4	84	69.9	61.9	89	6	81-136/28
563-58-6	1,1-Dichloropropene	ND		69.4	55.2	79	69.9	57.0	82	3	75-130/28
96-12-8	1,2-Dibromo-3-chloropropane	ND		69.4	63.3	91	69.9	64.6	92	2	70-137/29
106-93-4	1,2-Dibromoethane	ND		69.4	57.0	82	69.9	59.9	86	5	77-126/26
107-06-2	1,2-Dichloroethane	ND		69.4	63.1	91	69.9	63.4	91	0	74-128/23
78-87-5	1,2-Dichloropropane	ND		69.4	54.9	79	69.9	57.7	83	5	74-125/25
142-28-9	1,3-Dichloropropane	ND		69.4	57.8	83	69.9	61.1	87	6	76-122/26
123-91-1	1,4-Dioxane	ND		1390	1210	87	1400	1210	87	0	56-152/37
594-20-7	2,2-Dichloropropane	ND		69.4	70.9	102	69.9	42.0	60*	51*	77-133/28
124-48-1	Dibromochloromethane	ND		69.4	59.7	86	69.9	61.8	88	3	76-127/27
75-71-8	Dichlorodifluoromethane	ND		69.4	50.8	73	69.9	51.2	73	1	68-168/29
156-59-2	cis-1,2-Dichloroethylene	12.8		69.4	63.2	73*	69.9	65.8	76	4	74-126/26
10061-01-5	cis-1,3-Dichloropropene	ND		69.4	57.4	83	69.9	58.6	84	2	80-123/26
541-73-1	m-Dichlorobenzene	ND		69.4	60.2	87	69.9	61.9	89	3	81-129/33
95-50-1	o-Dichlorobenzene	ND		69.4	60.2	87	69.9	62.1	89	3	80-129/32
106-46-7	p-Dichlorobenzene	ND		69.4	56.0	81	69.9	58.2	83	4	76-130/32

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA14869
Account: ERMNCR ERM
Project: ECI; 100 Rego Dr, Elon, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA14869-13MS	C098312.D	1	05/09/14	AH	n/a	n/a	VC3942
FA14869-13MSD	C098313.D	1	05/09/14	AH	n/a	n/a	VC3942
FA14869-13	C098303.D	1	05/09/14	AH	n/a	n/a	VC3942

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA14869-13, FA14869-14, FA14869-17, FA14869-19, FA14869-21, FA14869-22, FA14869-24

CAS No.	Compound	FA14869-13 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
156-60-5	trans-1,2-Dichloroethylene	ND		69.4	56.6	82	69.9	59.0	84	4	70-127/27
10061-02-6	trans-1,3-Dichloropropene	ND		69.4	62.0	89	69.9	63.8	91	3	75-131/28
100-41-4	Ethylbenzene	ND		69.4	54.4	78	69.9	55.9	80	3	77-123/31
591-78-6	2-Hexanone	ND		347	330	95	350	336	96	2	72-133/26
87-68-3	Hexachlorobutadiene	ND		69.4	44.9	65*	69.9	48.8	70*	8	74-136/38
98-82-8	Isopropylbenzene	ND		69.4	59.4	86	69.9	61.6	88	4	80-136/32
99-87-6	p-Isopropyltoluene	ND		69.4	55.3	80	69.9	57.4	82	4	77-131/34
108-10-1	4-Methyl-2-pentanone	ND		347	317	91	350	337	96	6	76-132/26
74-83-9	Methyl bromide	ND		69.4	71.9	104	69.9	71.3	102	1	65-139/31
74-87-3	Methyl chloride	ND		69.4	52.8	76	69.9	56.7	81	7	71-144/27
74-95-3	Methylene bromide	ND		69.4	59.3	85	69.9	60.6	87	2	74-124/24
75-09-2	Methylene chloride	ND		69.4	63.0	91	69.9	65.7	94	4	74-137/28
78-93-3	Methyl ethyl ketone	ND		347	294	85	350	315	90	7	75-137/25
1634-04-4	Methyl Tert Butyl Ether	ND		69.4	57.5	83	69.9	60.2	86	5	77-120/24
91-20-3	Naphthalene	ND		69.4	61.7	89	69.9	64.1	92	4	79-129/33
103-65-1	n-Propylbenzene	ND		69.4	57.5	83	69.9	59.6	85	4	80-135/33
100-42-5	Styrene	ND		69.4	58.1	84	69.9	59.5	85	2	78-125/30
630-20-6	1,1,1,2-Tetrachloroethane	ND		69.4	59.3	85	69.9	60.9	87	3	78-126/27
71-55-6	1,1,1-Trichloroethane	ND		69.4	59.0	85	69.9	57.2	82	3	70-129/27
79-34-5	1,1,2,2-Tetrachloroethane	ND		69.4	61.3	88	69.9	62.5	89	2	71-126/30
79-00-5	1,1,2-Trichloroethane	ND		69.4	57.1	82	69.9	60.0	86	5	74-124/28
87-61-6	1,2,3-Trichlorobenzene	ND		69.4	54.6	79	69.9	57.7	83	6	77-128/35
96-18-4	1,2,3-Trichloropropane	ND		69.4	61.9	89	69.9	63.3	91	2	74-127/27
120-82-1	1,2,4-Trichlorobenzene	ND		69.4	54.1	78	69.9	57.8	83	7	78-130/34
95-63-6	1,2,4-Trimethylbenzene	ND		69.4	53.9	78	69.9	55.5	79	3	74-123/34
108-67-8	1,3,5-Trimethylbenzene	ND		69.4	53.1	76	69.9	55.3	79	4	73-122/33
127-18-4	Tetrachloroethylene	ND		69.4	51.9	75*	69.9	54.0	77*	4	79-130/31
108-88-3	Toluene	ND		69.4	56.3	81	69.9	57.9	83	3	76-124/30
79-01-6	Trichloroethylene	157		69.4	126	-45* [a]	69.9	120	-53* [a]	5	75-128/27
75-69-4	Trichlorofluoromethane	ND		69.4	55.2	79	69.9	54.8	78	1	73-145/31
75-01-4	Vinyl chloride	ND		69.4	51.6	74*	69.9	55.2	79	7	76-141/27
108-05-4	Vinyl Acetate	ND		347	335	96	350	357	102	6	48-164/37
	m,p-Xylene	ND		139	112	81	140	114	82	2	80-128/30
95-47-6	o-Xylene	ND		69.4	60.1	87	69.9	63.0	90	5	80-132/30

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA14869
Account: ERMNCR ERM
Project: ECI; 100 Rego Dr, Elon, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA14869-13MS	C098312.D	1	05/09/14	AH	n/a	n/a	VC3942
FA14869-13MSD	C098313.D	1	05/09/14	AH	n/a	n/a	VC3942
FA14869-13	C098303.D	1	05/09/14	AH	n/a	n/a	VC3942

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA14869-13, FA14869-14, FA14869-17, FA14869-19, FA14869-21, FA14869-22, FA14869-24

CAS No.	Surrogate Recoveries	MS	MSD	FA14869-13	Limits
1868-53-7	Dibromofluoromethane	100%	100%	110%	75-124%
2037-26-5	Toluene-D8	100%	103%	105%	75-126%
460-00-4	4-Bromofluorobenzene	99%	99%	96%	71-133%
17060-07-0	1,2-Dichloroethane-D4	106%	104%	112%	72-135%

(a) Outside control limits due to high level in sample relative to spike amount.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA14869
Account: ERMNCR ERM
Project: ECI; 100 Rego Dr, Elon, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA14904-1MS	C098334.D	1	05/12/14	AH	n/a	n/a	VC3943
FA14904-1MSD	C098335.D	1	05/12/14	AH	n/a	n/a	VC3943
FA14904-1	C098323.D	1	05/12/14	AH	n/a	n/a	VC3943

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA14869-14, FA14869-17, FA14869-18, FA14869-19, FA14869-20, FA14869-24

CAS No.	Compound	FA14904-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	113		298	238	42*	300	270	52*	13	61-152/27
107-02-8	Acrolein	ND		298	217	73	300	222	74	2	48-178/37
107-13-1	Acrylonitrile	ND		298	223	75	300	259	86	15	66-134/26
71-43-2	Benzene	ND		59.5	50.4	85	60.1	56.3	94	11	76-126/26
108-86-1	Bromobenzene	ND		59.5	52.0	87	60.1	58.2	97	11	76-122/32
74-97-5	Bromochloromethane	ND		59.5	49.1	83	60.1	54.8	91	11	77-120/24
75-27-4	Bromodichloromethane	ND		59.5	53.0	89	60.1	57.5	96	8	74-130/25
75-25-2	Bromoform	ND		59.5	51.6	87	60.1	56.3	94	9	76-127/26
104-51-8	n-Butylbenzene	ND		59.5	46.0	77	60.1	54.8	91	17	71-128/35
135-98-8	sec-Butylbenzene	ND		59.5	46.7	78*	60.1	55.8	93	18	79-135/34
98-06-6	tert-Butylbenzene	ND		59.5	51.3	86	60.1	59.9	100	15	77-133/34
108-90-7	Chlorobenzene	ND		59.5	54.2	91	60.1	59.5	99	9	81-129/29
75-00-3	Chloroethane	ND		59.5	52.5	88	60.1	56.1	93	7	68-133/29
67-66-3	Chloroform	ND		59.5	59.9	101	60.1	66.6	111	11	72-123/26
95-49-8	o-Chlorotoluene	ND		59.5	53.5	90	60.1	61.6	103	14	77-129/33
106-43-4	p-Chlorotoluene	ND		59.5	55.9	94	60.1	64.0	107	14	80-134/33
110-75-8	2-Chloroethyl vinyl ether	ND		298	265	89	300	305	102	14	45-159/26
75-15-0	Carbon disulfide	1.1	J	59.5	51.2	84	60.1	58.1	95	13	72-122/29
56-23-5	Carbon tetrachloride	ND		59.5	49.2	83	60.1	54.1	90	9	78-133/29
75-34-3	1,1-Dichloroethane	ND		59.5	59.0	99	60.1	65.4	109	10	73-125/27
75-35-4	1,1-Dichloroethylene	ND		59.5	51.0	86	60.1	55.2	92	8	81-136/28
563-58-6	1,1-Dichloropropene	ND		59.5	48.2	81	60.1	53.7	89	11	75-130/28
96-12-8	1,2-Dibromo-3-chloropropane	ND		59.5	51.0	86	60.1	59.9	100	16	70-137/29
106-93-4	1,2-Dibromoethane	ND		59.5	50.1	84	60.1	56.7	94	12	77-126/26
107-06-2	1,2-Dichloroethane	ND		59.5	55.8	94	60.1	58.8	98	5	74-128/23
78-87-5	1,2-Dichloropropane	ND		59.5	48.8	82	60.1	55.6	93	13	74-125/25
142-28-9	1,3-Dichloropropane	ND		59.5	51.2	86	60.1	57.0	95	11	76-122/26
123-91-1	1,4-Dioxane	ND		1190	1020	86	1200	1060	88	4	56-152/37
594-20-7	2,2-Dichloropropane	ND		59.5	36.3	61*	60.1	72.7	121	67*	77-133/28
124-48-1	Dibromochloromethane	ND		59.5	52.3	88	60.1	58.5	97	11	76-127/27
75-71-8	Dichlorodifluoromethane	ND		59.5	38.5	65*	60.1	44.2	74	14	68-168/29
156-59-2	cis-1,2-Dichloroethylene	ND		59.5	47.3	79	60.1	54.1	90	13	74-126/26
10061-01-5	cis-1,3-Dichloropropene	ND		59.5	51.1	86	60.1	56.7	94	10	80-123/26
541-73-1	m-Dichlorobenzene	ND		59.5	53.4	90	60.1	61.2	102	14	81-129/33
95-50-1	o-Dichlorobenzene	ND		59.5	53.5	90	60.1	60.1	100	12	80-129/32
106-46-7	p-Dichlorobenzene	ND		59.5	51.0	86	60.1	57.0	95	11	76-130/32

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA14869
Account: ERMNCR ERM
Project: ECI; 100 Rego Dr, Elon, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA14904-1MS	C098334.D	1	05/12/14	AH	n/a	n/a	VC3943
FA14904-1MSD	C098335.D	1	05/12/14	AH	n/a	n/a	VC3943
FA14904-1	C098323.D	1	05/12/14	AH	n/a	n/a	VC3943

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA14869-14, FA14869-17, FA14869-18, FA14869-19, FA14869-20, FA14869-24

CAS No.	Compound	FA14904-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
156-60-5	trans-1,2-Dichloroethylene	ND		59.5	48.6	82	60.1	54.2	90	11	70-127/27
10061-02-6	trans-1,3-Dichloropropene	ND		59.5	55.8	94	60.1	60.4	101	8	75-131/28
100-41-4	Ethylbenzene	ND		59.5	49.2	83	60.1	55.1	92	11	77-123/31
591-78-6	2-Hexanone	ND		298	265	89	300	294	98	10	72-133/26
87-68-3	Hexachlorobutadiene	ND		59.5	33.3	56*	60.1	39.1	65*	16	74-136/38
98-82-8	Isopropylbenzene	ND		59.5	53.7	90	60.1	60.3	100	12	80-136/32
99-87-6	p-Isopropyltoluene	ND		59.5	49.2	83	60.1	57.9	96	16	77-131/34
108-10-1	4-Methyl-2-pentanone	ND		298	262	88	300	291	97	10	76-132/26
74-83-9	Methyl bromide	ND		59.5	58.6	98	60.1	65.1	108	11	65-139/31
74-87-3	Methyl chloride	ND		59.5	44.4	75	60.1	51.5	86	15	71-144/27
74-95-3	Methylene bromide	ND		59.5	50.3	85	60.1	56.7	94	12	74-124/24
75-09-2	Methylene chloride	5.1	JB	59.5	62.8	97	60.1	68.9	106	9	74-137/28
78-93-3	Methyl ethyl ketone	11.5	J	298	234	75	300	263	84	12	75-137/25
1634-04-4	Methyl Tert Butyl Ether	ND		59.5	49.3	83	60.1	55.8	93	12	77-120/24
91-20-3	Naphthalene	ND		59.5	48.6	82	60.1	52.2	87	7	79-129/33
103-65-1	n-Propylbenzene	ND		59.5	52.4	88	60.1	61.8	103	16	80-135/33
100-42-5	Styrene	ND		59.5	52.2	88	60.1	57.8	96	10	78-125/30
630-20-6	1,1,1,2-Tetrachloroethane	ND		59.5	54.0	91	60.1	59.6	99	10	78-126/27
71-55-6	1,1,1-Trichloroethane	ND		59.5	49.5	83	60.1	56.1	93	13	70-129/27
79-34-5	1,1,2,2-Tetrachloroethane	ND		59.5	50.0	84	60.1	58.2	97	15	71-126/30
79-00-5	1,1,2-Trichloroethane	ND		59.5	52.2	88	60.1	57.0	95	9	74-124/28
87-61-6	1,2,3-Trichlorobenzene	ND		59.5	43.0	72*	60.1	46.0	77	7	77-128/35
96-18-4	1,2,3-Trichloropropane	ND		59.5	53.8	90	60.1	61.6	103	14	74-127/27
120-82-1	1,2,4-Trichlorobenzene	ND		59.5	45.3	76*	60.1	49.4	82	9	78-130/34
95-63-6	1,2,4-Trimethylbenzene	ND		59.5	49.3	83	60.1	56.2	94	13	74-123/34
108-67-8	1,3,5-Trimethylbenzene	ND		59.5	48.7	82	60.1	57.1	95	16	73-122/33
127-18-4	Tetrachloroethylene	ND		59.5	52.8	89	60.1	59.4	99	12	79-130/31
108-88-3	Toluene	2.1	J	59.5	51.3	83	60.1	57.0	91	11	76-124/30
79-01-6	Trichloroethylene	ND		59.5	50.3	85	60.1	56.6	94	12	75-128/27
75-69-4	Trichlorofluoromethane	ND		59.5	42.9	72*	60.1	48.7	81	13	73-145/31
75-01-4	Vinyl chloride	ND		59.5	41.0	69*	60.1	49.0	82	18	76-141/27
108-05-4	Vinyl Acetate	ND		298	250	84	300	204	68	20	48-164/37
	m,p-Xylene	ND		119	101	85	120	113	94	11	80-128/30
95-47-6	o-Xylene	ND		59.5	55.1	93	60.1	62.3	104	12	80-132/30

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA14869
Account: ERMNCR ERM
Project: ECI; 100 Rego Dr, Elon, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA14904-1MS	C098334.D	1	05/12/14	AH	n/a	n/a	VC3943
FA14904-1MSD	C098335.D	1	05/12/14	AH	n/a	n/a	VC3943
FA14904-1	C098323.D	1	05/12/14	AH	n/a	n/a	VC3943

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA14869-14, FA14869-17, FA14869-18, FA14869-19, FA14869-20, FA14869-24

CAS No.	Surrogate Recoveries	MS	MSD	FA14904-1	Limits
1868-53-7	Dibromofluoromethane	99%	99%	111%	75-124%
2037-26-5	Toluene-D8	102%	105%	102%	75-126%
460-00-4	4-Bromofluorobenzene	100%	103%	107%	71-133%
17060-07-0	1,2-Dichloroethane-D4	103%	101%	120%	72-135%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA14869
Account: ERMNCR ERM
Project: ECI; 100 Rego Dr, Elon, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA14697-19MS	Z25584.D	1	05/15/14	KW	n/a	n/a	VZ1001
FA14697-19MSD	Z25585.D	1	05/15/14	KW	n/a	n/a	VZ1001
FA14697-19	Z25576.D	1	05/15/14	KW	n/a	n/a	VZ1001

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA14869-12, FA14869-25

CAS No.	Compound	FA14697-19 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		125	72.4	58	125	78.7	63	8	50-147/21
107-02-8	Acrolein	ND		125	83.3	67	125	89.7	72	7	31-154/29
107-13-1	Acrylonitrile	ND		125	109	87	125	122	98	11	58-126/16
71-43-2	Benzene	ND		25	23.7	95	25	23.3	93	2	81-122/14
108-86-1	Bromobenzene	ND		25	20.9	84	25	20.8	83	0	80-121/14
74-97-5	Bromochloromethane	ND		25	19.4	78	25	20.0	80	3	76-123/14
75-27-4	Bromodichloromethane	ND		25	20.0	80	25	19.4	78*	3	79-123/19
75-25-2	Bromoform	ND		25	16.4	66	25	16.7	67	2	66-123/21
104-51-8	n-Butylbenzene	ND		25	22.1	88	25	21.2	85	4	79-126/16
135-98-8	sec-Butylbenzene	ND		25	25.8	103	25	25.2	101	2	83-133/16
98-06-6	tert-Butylbenzene	ND		25	25.2	101	25	24.9	100	1	80-133/16
108-90-7	Chlorobenzene	ND		25	24.1	96	25	23.3	93	3	82-124/14
75-00-3	Chloroethane	ND		25	26.2	105	25	25.6	102	2	62-144/20
67-66-3	Chloroform	ND		25	22.7	91	25	22.7	91	0	80-124/15
95-49-8	o-Chlorotoluene	ND		25	25.1	100	25	24.8	99	1	81-127/15
106-43-4	p-Chlorotoluene	ND		25	25.2	101	25	24.9	100	1	83-130/15
110-75-8	2-Chloroethyl vinyl ether	ND		125	ND	0*	125	ND	0*	nc	56-122/23
75-15-0	Carbon disulfide	ND		25	19.6	78	25	19.7	79	1	66-148/23
56-23-5	Carbon tetrachloride	ND		25	19.9	80	25	19.1	76	4	76-136/23
75-34-3	1,1-Dichloroethane	3.4		25	27.3	96	25	27.0	94	1	81-122/15
75-35-4	1,1-Dichloroethylene	ND		25	23.0	92	25	23.6	94	3	78-137/18
563-58-6	1,1-Dichloropropene	ND		25	23.2	93	25	23.4	94	1	79-131/16
96-12-8	1,2-Dibromo-3-chloropropane	ND		25	23.0	92	25	24.3	97	5	64-123/18
106-93-4	1,2-Dibromoethane	ND		25	20.5	82	25	20.9	84	2	75-120/13
107-06-2	1,2-Dichloroethane	ND		25	23.3	93	25	22.9	92	2	75-125/14
78-87-5	1,2-Dichloropropane	ND		25	23.1	92	25	22.8	91	1	76-124/14
142-28-9	1,3-Dichloropropane	ND		25	22.1	88	25	22.2	89	0	80-118/13
123-91-1	1,4-Dioxane	ND		500	379	76	500	365	73	4	48-146/34
594-20-7	2,2-Dichloropropane	ND		25	23.3	93	25	22.9	92	2	74-139/17
124-48-1	Dibromochloromethane	ND		25	16.1	64*	25	16.0	64*	1	78-122/19
75-71-8	Dichlorodifluoromethane	ND		25	29.0	116	25	28.7	115	1	42-167/19
156-59-2	cis-1,2-Dichloroethylene	1.2		25	21.3	80	25	21.9	83	3	78-120/15
10061-01-5	cis-1,3-Dichloropropene	ND		25	17.8	71*	25	17.5	70*	2	75-118/23
541-73-1	m-Dichlorobenzene	ND		25	22.7	91	25	22.1	88	3	84-125/14
95-50-1	o-Dichlorobenzene	ND		25	21.8	87	25	21.4	86	2	82-124/14
106-46-7	p-Dichlorobenzene	ND		25	21.5	86	25	21.2	85	1	78-120/15

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA14869
Account: ERMNCR ERM
Project: ECI; 100 Rego Dr, Elon, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA14697-19MS	Z25584.D	1	05/15/14	KW	n/a	n/a	VZ1001
FA14697-19MSD	Z25585.D	1	05/15/14	KW	n/a	n/a	VZ1001
FA14697-19	Z25576.D	1	05/15/14	KW	n/a	n/a	VZ1001

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA14869-12, FA14869-25

CAS No.	Compound	FA14697-19 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
156-60-5	trans-1,2-Dichloroethylene	ND		25	22.6	90	25	22.8	91	1	76-127/17
10061-02-6	trans-1,3-Dichloropropene	ND		25	22.7	91	25	20.1	80	12	80-120/22
100-41-4	Ethylbenzene	ND		25	23.5	94	25	22.5	90	4	81-121/14
591-78-6	2-Hexanone	ND		125	99.8	80	125	106	85	6	61-129/18
87-68-3	Hexachlorobutadiene	ND		25	21.2	85	25	21.4	86	1	75-142/19
98-82-8	Isopropylbenzene	ND		25	22.3	89	25	20.9	84	6	83-132/15
99-87-6	p-Isopropyltoluene	ND		25	22.8	91	25	21.7	87	5	79-130/16
108-10-1	4-Methyl-2-pentanone	ND		125	123	98	125	127	102	3	66-122/16
74-83-9	Methyl bromide	ND		25	27.8	111	25	28.9	116	4	59-143/19
74-87-3	Methyl chloride	ND		25	32.2	129	25	33.7	135	5	50-159/19
74-95-3	Methylene bromide	ND		25	22.1	88	25	22.5	90	2	78-119/14
75-09-2	Methylene chloride	ND		25	24.9	100	25	24.7	99	1	69-135/16
78-93-3	Methyl ethyl ketone	ND		125	83.3	67	125	89.5	72	7	56-143/18
1634-04-4	Methyl Tert Butyl Ether	ND		25	20.4	82	25	21.7	87	6	72-117/14
91-20-3	Naphthalene	ND		25	20.2	81	25	22.7	91	12	63-132/25
103-65-1	n-Propylbenzene	ND		25	25.6	102	25	25.5	102	0	82-133/15
100-42-5	Styrene	ND		25	16.6	66*	25	15.3	61*	8	78-119/23
630-20-6	1,1,1,2-Tetrachloroethane	ND		25	22.6	90	25	20.3	81	11	77-122/19
71-55-6	1,1,1-Trichloroethane	ND		25	22.8	91	25	22.9	92	0	75-130/16
79-34-5	1,1,2,2-Tetrachloroethane	ND		25	24.6	98	25	25.5	102	4	72-120/14
79-00-5	1,1,2-Trichloroethane	ND		25	22.6	90	25	22.0	88	3	76-119/14
87-61-6	1,2,3-Trichlorobenzene	ND		25	20.9	84	25	23.2	93	10	68-131/25
96-18-4	1,2,3-Trichloropropane	ND		25	21.3	85	25	22.3	89	5	77-120/16
120-82-1	1,2,4-Trichlorobenzene	ND		25	19.9	80	25	20.6	82	3	73-129/20
95-63-6	1,2,4-Trimethylbenzene	ND		25	22.3	89	25	21.1	84	6	79-120/18
108-67-8	1,3,5-Trimethylbenzene	ND		25	21.4	86	25	20.2	81	6	79-120/19
127-18-4	Tetrachloroethylene	ND		25	22.0	88	25	20.4	82	8	76-135/16
108-88-3	Toluene	ND		25	22.2	89	25	21.1	84	5	80-120/14
79-01-6	Trichloroethylene	0.72	J	25	23.8	92	25	24.1	94	1	81-126/15
75-69-4	Trichlorofluoromethane	ND		25	28.7	115	25	27.4	110	5	71-156/21
75-01-4	Vinyl chloride	0.91	J	25	28.1	109	25	28.9	112	3	69-159/18
108-05-4	Vinyl Acetate	ND		125	113	90	125	115	92	2	43-154/14
	m,p-Xylene	ND		50	47.3	95	50	45.0	90	5	79-126/15
95-47-6	o-Xylene	ND		25	23.4	94	25	22.0	88	6	80-127/14

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA14869
Account: ERMNCR ERM
Project: ECI; 100 Rego Dr, Elon, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA14697-19MS	Z25584.D	1	05/15/14	KW	n/a	n/a	VZ1001
FA14697-19MSD	Z25585.D	1	05/15/14	KW	n/a	n/a	VZ1001
FA14697-19	Z25576.D	1	05/15/14	KW	n/a	n/a	VZ1001

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA14869-12, FA14869-25

CAS No.	Surrogate Recoveries	MS	MSD	FA14697-19	Limits
1868-53-7	Dibromofluoromethane	99%	101%	102%	83-118%
17060-07-0	1,2-Dichloroethane-D4	109%	107%	110%	79-125%
2037-26-5	Toluene-D8	96%	95%	100%	85-112%
460-00-4	4-Bromofluorobenzene	90%	93%	98%	83-118%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA14869
Account: ERMNCR ERM
Project: ECI; 100 Rego Dr, Elon, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA14869-13LMS	N0076502.D	5	05/19/14	RB	n/a	n/a	VN3348
FA14869-13LMSD	N0076503.D	5	05/19/14	RB	n/a	n/a	VN3348
FA14869-13L	N0076492.D	1	05/19/14	RB	05/13/14	OP51578	VN3348
FA14869-13L	N0076494.D	5	05/19/14	RB	05/13/14	OP51578	VN3348

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA14869-13L, FA14869-14L, FA14869-17L, FA14869-18L, FA14869-19L, FA14869-20L, FA14869-21L, FA14869-22L

CAS No.	Compound	FA14869-13L ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		625	619	99	625	533	85	15	50-147/21
71-43-2	Benzene	5.2		125	132	101	125	124	95	6	81-122/14
75-27-4	Bromodichloromethane	ND		125	131	105	125	121	97	8	79-123/19
75-25-2	Bromoform	ND		125	101	81	125	95.7	77	5	66-123/21
108-90-7	Chlorobenzene	ND		125	126	101	125	120	96	5	82-124/14
75-00-3	Chloroethane	ND		125	123	98	125	126	101	2	62-144/20
67-66-3	Chloroform	ND		125	131	105	125	122	98	7	80-124/15
75-15-0	Carbon disulfide	ND		125	135	108	125	123	98	9	66-148/23
56-23-5	Carbon tetrachloride	ND		125	127	102	125	123	98	3	76-136/23
75-34-3	1,1-Dichloroethane	ND		125	127	102	125	119	95	7	81-122/15
75-35-4	1,1-Dichloroethylene	ND		125	140	112	125	128	102	9	78-137/18
107-06-2	1,2-Dichloroethane	ND		125	130	104	125	122	98	6	75-125/14
78-87-5	1,2-Dichloropropane	ND		125	128	102	125	118	94	8	76-124/14
124-48-1	Dibromochloromethane	ND		125	119	95	125	113	90	5	78-122/19
156-59-2	cis-1,2-Dichloroethylene	ND		125	124	99	125	117	94	6	78-120/15
10061-01-5	cis-1,3-Dichloropropene	ND		125	126	101	125	116	93	8	75-118/23
156-60-5	trans-1,2-Dichloroethylene	ND		125	129	103	125	118	94	9	76-127/17
10061-02-6	trans-1,3-Dichloropropene	ND		125	127	102	125	121	97	5	80-120/22
100-41-4	Ethylbenzene	37.8		125	153	92	125	144	85	6	81-121/14
591-78-6	2-Hexanone	ND		625	537	86	625	486	78	10	61-129/18
108-10-1	4-Methyl-2-pentanone	ND		625	646	103	625	630	101	3	66-122/16
74-83-9	Methyl bromide	ND		125	141	113	125	133	106	6	59-143/19
74-87-3	Methyl chloride	ND		125	109	87	125	92.8	74	16	50-159/19
75-09-2	Methylene chloride	4.7	J	125	128	99	125	116	89	10	69-135/16
78-93-3	Methyl ethyl ketone	ND		625	539	86	625	496	79	8	56-143/18
100-42-5	Styrene	ND		125	124	99	125	117	94	6	78-119/23
71-55-6	1,1,1-Trichloroethane	ND		125	131	105	125	122	98	7	75-130/16
79-34-5	1,1,2,2-Tetrachloroethane	ND		125	113	90	125	110	88	3	72-120/14
79-00-5	1,1,2-Trichloroethane	ND		125	119	95	125	113	90	5	76-119/14
127-18-4	Tetrachloroethylene	2.3		125	127	100	125	118	93	7	76-135/16
108-88-3	Toluene	94.5 [a]		125	216	97	125	208	91	4	80-120/14
79-01-6	Trichloroethylene	1.2		125	123	97	125	116	92	6	81-126/15
75-01-4	Vinyl chloride	ND		125	114	91	125	104	83	9	69-159/18
1330-20-7	Xylene (total)	220		375	600	101	375	572	94	5	80-126/15

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA14869
Account: ERMNCR ERM
Project: ECI; 100 Rego Dr, Elon, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA14869-13LMS	N0076502.D	5	05/19/14	RB	n/a	n/a	VN3348
FA14869-13LMSD	N0076503.D	5	05/19/14	RB	n/a	n/a	VN3348
FA14869-13L	N0076492.D	1	05/19/14	RB	05/13/14	OP51578	VN3348
FA14869-13L	N0076494.D	5	05/19/14	RB	05/13/14	OP51578	VN3348

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA14869-13L, FA14869-14L, FA14869-17L, FA14869-18L, FA14869-19L, FA14869-20L, FA14869-21L, FA14869-22L

CAS No.	Surrogate Recoveries	MS	MSD	FA14869-13L	FA14869-13L	Limits
1868-53-7	Dibromofluoromethane	102%	101%	101%	98%	83-118%
17060-07-0	1,2-Dichloroethane-D4	94%	99%	104%	96%	79-125%
2037-26-5	Toluene-D8	99%	100%	96%	94%	85-112%
460-00-4	4-Bromofluorobenzene	98%	99%	100%	101%	83-118%

(a) Result is from Run #2.

* = Outside of Control Limits.

Duplicate Summary

Job Number: FA14869
Account: ERMNCR ERM
Project: ECI; 100 Rego Dr, Elon, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA14869-13LDUP	N0076493.D	1	05/19/14	RB	n/a	n/a	VN3348
FA14869-13L	N0076492.D	1	05/19/14	RB	05/13/14	OP51578	VN3348
FA14869-13L	N0076494.D	5	05/19/14	RB	05/13/14	OP51578	VN3348

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA14869-13L, FA14869-14L, FA14869-17L, FA14869-18L, FA14869-19L, FA14869-20L, FA14869-21L, FA14869-22L

		FA14869-13LDUP					
CAS No.	**Compound**	**ug/l**	**Q**	**ug/l**	**Q**	**RPD**	**Limits**
67-64-1	Acetone	ND		ND		nc	21
71-43-2	Benzene	5.2		3.3		45*	14
75-27-4	Bromodichloromethane	ND		ND		nc	19
75-25-2	Bromoform	ND		ND		nc	21
108-90-7	Chlorobenzene	ND		ND		nc	14
75-00-3	Chloroethane	ND		ND		nc	20
67-66-3	Chloroform	ND		ND		nc	15
75-15-0	Carbon disulfide	ND		ND		nc	23
56-23-5	Carbon tetrachloride	ND		ND		nc	23
75-34-3	1,1-Dichloroethane	ND		ND		nc	15
75-35-4	1,1-Dichloroethylene	ND		ND		nc	18
107-06-2	1,2-Dichloroethane	ND		ND		nc	14
78-87-5	1,2-Dichloropropane	ND		ND		nc	14
124-48-1	Dibromochloromethane	ND		ND		nc	19
156-59-2	cis-1,2-Dichloroethylene	ND		ND		nc	15
10061-01-5	cis-1,3-Dichloropropene	ND		ND		nc	23
156-60-5	trans-1,2-Dichloroethylene	ND		ND		nc	17
10061-02-6	trans-1,3-Dichloropropene	ND		ND		nc	22
100-41-4	Ethylbenzene	37.8		47.8		23*	14
591-78-6	2-Hexanone	ND		ND		nc	18
108-10-1	4-Methyl-2-pentanone	ND		ND		nc	16
74-83-9	Methyl bromide	ND		ND		nc	19
74-87-3	Methyl chloride	ND		ND		nc	19
75-09-2	Methylene chloride	4.7	J	ND		200*	16
78-93-3	Methyl ethyl ketone	ND		ND		nc	18
100-42-5	Styrene	ND		ND		nc	23
71-55-6	1,1,1-Trichloroethane	ND		ND		nc	16
79-34-5	1,1,2,2-Tetrachloroethane	ND		ND		nc	14
79-00-5	1,1,2-Trichloroethane	ND		ND		nc	14
127-18-4	Tetrachloroethylene	2.3		ND		200*	16
108-88-3	Toluene	94.5 [a]		112	E	17*	14
79-01-6	Trichloroethylene	1.2		0.74	J	47*	15
75-01-4	Vinyl chloride	ND		ND		nc	18
1330-20-7	Xylene (total)	220		271	E	21*	15

* = Outside of Control Limits.

Duplicate Summary

Job Number: FA14869
Account: ERMNCR ERM
Project: ECI; 100 Rego Dr, Elon, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA14869-13LDUP	N0076493.D	1	05/19/14	RB	n/a	n/a	VN3348
FA14869-13L	N0076492.D	1	05/19/14	RB	05/13/14	OP51578	VN3348
FA14869-13L	N0076494.D	5	05/19/14	RB	05/13/14	OP51578	VN3348

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA14869-13L, FA14869-14L, FA14869-17L, FA14869-18L, FA14869-19L, FA14869-20L, FA14869-21L, FA14869-22L

CAS No.	Surrogate Recoveries	DUP	FA14869-13L	FA14869-13L	Limits
1868-53-7	Dibromofluoromethane	99%	101%	98%	83-118%
17060-07-0	1,2-Dichloroethane-D4	99%	104%	96%	79-125%
2037-26-5	Toluene-D8	96%	96%	94%	85-112%
460-00-4	4-Bromofluorobenzene	102%	100%	101%	83-118%

(a) Result is from Run #2.

* = Outside of Control Limits.

Southeast ACCUTEST LABORATORIES

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA14869
Account: ERMNCR - ERM
Project: ECI; 100 Rego Dr, Elon, NC

QC Batch ID: MP27243
Matrix Type: SOLID

Methods: SW846 7471B
Units: mg/kg

Prep Date: 05/12/14

Metal	RL	IDL	MDL	MB raw	final
Mercury	0.042	.0025	.0042	-0.0063	<0.042

Associated samples MP27243: FA14869-2, FA14869-3, FA14869-4, FA14869-5, FA14869-6, FA14869-7, FA14869-8, FA14869-9, FA14869-10, FA14869-11

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA14869
Account: ERMNCR - ERM
Project: ECI; 100 Rego Dr, Elon, NC

QC Batch ID: MP27243
Matrix Type: SOLID

Methods: SW846 7471B
Units: mg/kg

Prep Date: 05/12/14 05/12/14

Metal	FA14808-1 Original	DUP	RPD	QC Limits	FA14808-1 Original	MS	Spikelot HGFLWS1	% Rec	QC Limits
Mercury	0.082	0.084	2.4	0-20	0.082	0.37	0.291	98.9	80-120

Associated samples MP27243: FA14869-2, FA14869-3, FA14869-4, FA14869-5, FA14869-6, FA14869-7, FA14869-8, FA14869-9, FA14869-10, FA14869-11

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA14869
Account: ERMNCR - ERM
Project: ECI; 100 Rego Dr, Elon, NC

QC Batch ID: MP27243
Matrix Type: SOLID

Methods: SW846 7471B
Units: mg/kg

Prep Date: 05/12/14

Metal	FA14808-1 Original	MSD	Spikelot HGFLWS1	% Rec	MSD RPD	QC Limit
Mercury	0.082	0.37	0.291	98.9	0.0	20

Associated samples MP27243: FA14869-2, FA14869-3, FA14869-4, FA14869-5, FA14869-6, FA14869-7, FA14869-8, FA14869-9, FA14869-10, FA14869-11

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA14869
Account: ERMNCR - ERM
Project: ECI; 100 Rego Dr, Elon, NC

QC Batch ID: MP27243
Matrix Type: SOLID

Methods: SW846 7471B
Units: mg/kg

Prep Date: 05/12/14

Metal	BSP Result	Spikelot HGFLWS1	% Rec	QC Limits
Mercury	0.25	0.25	100.0	80-120

Associated samples MP27243: FA14869-2, FA14869-3, FA14869-4, FA14869-5, FA14869-6, FA14869-7, FA14869-8, FA14869-9, FA14869-10, FA14869-11

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA14869
Account: ERMNCR - ERM
Project: ECI; 100 Rego Dr, Elon, NC

QC Batch ID: MP27243
Matrix Type: SOLID

Methods: SW846 7471B
Units: ug/l

Prep Date: 05/12/14

Metal	FA14808-1 Original	SDL 1:5	%DIF	QC Limits
Mercury	0.876	0.421	52.0 (a)	0-10

Associated samples MP27243: FA14869-2, FA14869-3, FA14869-4, FA14869-5, FA14869-6, FA14869-7, FA14869-8, FA14869-9, FA14869-10, FA14869-11

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA14869
Account: ERMNCR - ERM
Project: ECI; 100 Rego Dr, Elon, NC

QC Batch ID: MP27247
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 05/13/14

Metal	RL	IDL	MDL	MB raw	final
Aluminum	10	.75	1.6		
Antimony	1.0	.1	.1	-0.020	<1.0
Arsenic	0.50	.1	.1	-0.11	<0.50
Barium	10	.05	.05		
Beryllium	0.25	.025	.025	-0.010	<0.25
Cadmium	0.20	.025	.025	-0.0050	<0.20
Calcium	250	2.5	2.5		
Chromium	0.50	.05	.05	-0.010	<0.50
Cobalt	2.5	.025	.025		
Copper	1.3	.05	.05	0.020	<1.3
Iron	15	.85	1.3		
Lead	1.0	.055	.08	-0.015	<1.0
Magnesium	250	2.5	2.5		
Manganese	0.75	.025	.025	-0.0050	<0.75
Molybdenum	2.5	.025	.03		
Nickel	2.0	.025	.025	0.0	<2.0
Potassium	500	10	10		
Selenium	1.0	.12	.15	0.15	<1.0
Silver	0.50	.033	.033	0.0050	<0.50
Sodium	500	25	25		
Strontium	0.50	.02	.025		
Thallium	0.50	.075	.075	-0.035	<0.50
Tin	2.5	.035	.035		
Titanium	0.50	.045	.045		
Vanadium	2.5	.025	.025		
Zinc	1.0	.15	.15	0.30	<1.0

Associated samples MP27247: FA14869-1, FA14869-2, FA14869-3, FA14869-4, FA14869-5, FA14869-6, FA14869-7, FA14869-8, FA14869-9, FA14869-10, FA14869-11, FA14869-15, FA14869-23

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA14869
Account: ERMNCR - ERM
Project: ECI; 100 Rego Dr, Elon, NC

QC Batch ID: MP27247
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date:			05/13/14					05/13/14	
Metal	FA14846-1 Original	DUP	RPD	QC Limits	FA14846-1 Original	MS	Spikelot MPFLICP2	% Rec	QC Limits
Aluminum									
Antimony	0.0	0.0	NC	0-20	0.0	19.7	23.5	83.7	80-120
Arsenic	0.0	0.0	NC	0-20	0.0	89.6	94.1	95.2	80-120
Barium									
Beryllium	0.0	0.0	NC	0-20	0.0	2.4	2.35	102.0	80-120
Cadmium	0.0	0.0	NC	0-20	0.0	2.3	2.35	97.7	80-120
Calcium									
Chromium	1.4	1.4	0.0	0-20	1.4	11.1	9.41	103.0	80-120
Cobalt									
Copper	0.33	0.35	5.9	0-20	0.33	12.4	11.8	102.6	80-120
Iron									
Lead	1.1	1.1	0.0	0-20	1.1	23.8	23.5	96.5	80-120
Magnesium									
Manganese	1.2	1.3	8.0	0-20	1.2	25.7	23.5	104.1	80-120
Molybdenum									
Nickel	0.43	0.38	12.3	0-20	0.43	24.3	23.5	101.4	80-120
Potassium									
Selenium	0.0	0.0	NC	0-20	0.0	89.5	94.1	95.1	80-120
Silver	0.0	0.0	NC	0-20	0.0	2.2	2.35	93.5	80-120
Sodium									
Strontium									
Thallium	0.0	0.0	NC	0-20	0.0	89.5	94.1	95.1	80-120
Tin									
Titanium									
Vanadium									
Zinc	0.60	0.80	28.6 (a)	0-20	0.60	24.0	23.5	99.4	80-120

Associated samples MP27247: FA14869-1, FA14869-2, FA14869-3, FA14869-4, FA14869-5, FA14869-6, FA14869-7, FA14869-8, FA14869-9, FA14869-10, FA14869-11, FA14869-15, FA14869-23

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) RPD acceptable due to low duplicate and sample concentrations.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA14869
Account: ERMNCR - ERM
Project: ECI; 100 Rego Dr, Elon, NC

QC Batch ID: MP27247
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 05/13/14

Metal	FA14846-1 Original	MSD	Spikelot MPFLICP2	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony	0.0	17.6	21.4	82.2	11.3	20
Arsenic	0.0	81.0	85.7	94.6	10.1	20
Barium						
Beryllium	0.0	2.2	2.14	102.7	8.7	20
Cadmium	0.0	2.1	2.14	98.1	9.1	20
Calcium						
Chromium	1.4	10.2	8.57	102.7	8.5	20
Cobalt						
Copper	0.33	11.2	10.7	101.5	10.2	20
Iron						
Lead	1.1	21.8	21.4	96.7	8.8	20
Magnesium						
Manganese	1.2	23.4	21.4	103.7	9.4	20
Molybdenum						
Nickel	0.43	22.1	21.4	101.2	9.5	20
Potassium						
Selenium	0.0	80.8	85.7	94.3	10.2	20
Silver	0.0	1.9	2.14	88.7	14.6	20
Sodium						
Strontium						
Thallium	0.0	81.4	85.7	95.0	9.5	20
Tin						
Titanium						
Vanadium						
Zinc	0.60	22.0	21.4	99.9	8.7	20

Associated samples MP27247: FA14869-1, FA14869-2, FA14869-3, FA14869-4, FA14869-5, FA14869-6, FA14869-7, FA14869-8, FA14869-9, FA14869-10, FA14869-11, FA14869-15, FA14869-23

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA14869
Account: ERMNCR - ERM
Project: ECI; 100 Rego Dr, Elon, NC

QC Batch ID: MP27247
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 05/13/14

Metal	BSP Result	Spikelot MPFLICP2	% Rec	QC Limits
Aluminum				
Antimony	26.8	25	107.2	80-120
Arsenic	107	100	107.0	80-120
Barium				
Beryllium	2.7	2.5	108.0	80-120
Cadmium	2.7	2.5	108.0	80-120
Calcium				
Chromium	10.9	10	109.0	80-120
Cobalt				
Copper	13.3	12.5	106.4	80-120
Iron				
Lead	25.5	25	102.0	80-120
Magnesium				
Manganese	27.9	25	111.6	80-120
Molybdenum				
Nickel	28.4	25	113.6	80-120
Potassium				
Selenium	105	100	105.0	80-120
Silver	2.4	2.5	96.0	80-120
Sodium				
Strontium				
Thallium	103	100	103.0	80-120
Tin				
Titanium				
Vanadium				
Zinc	26.4	25	105.6	80-120

Associated samples MP27247: FA14869-1, FA14869-2, FA14869-3, FA14869-4, FA14869-5, FA14869-6, FA14869-7, FA14869-8, FA14869-9, FA14869-10, FA14869-11, FA14869-15, FA14869-23

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA14869
Account: ERMNCR - ERM
Project: ECI; 100 Rego Dr, Elon, NC

QC Batch ID: MP27247
Matrix Type: SOLID

Methods: SW846 6010C
Units: ug/l

Prep Date: 05/13/14

Metal	FA14846-1 Original	SDL 1:5	%DIF	QC Limits
Aluminum				
Antimony	0.00	0.00	NC	0-10
Arsenic	0.00	0.00	NC	0-10
Barium				
Beryllium	0.00	0.00	NC	0-10
Cadmium	0.00	0.00	NC	0-10
Calcium				
Chromium	33.3	34.3	3.0	0-10
Cobalt				
Copper	7.60	9.20	21.1 (a)	0-10
Iron				
Lead	25.7	25.9	0.8	0-10
Magnesium				
Manganese	28.9	29.9	3.5	0-10
Molybdenum				
Nickel	9.90	8.70	12.1 (a)	0-10
Potassium				
Selenium	0.00	0.00	NC	0-10
Silver	0.00	0.00	NC	0-10
Sodium				
Strontium				
Thallium	0.00	0.00	NC	0-10
Tin				
Titanium				
Vanadium				
Zinc	13.8	19.8	43.5 (a)	0-10

Associated samples MP27247: FA14869-1, FA14869-2, FA14869-3, FA14869-4, FA14869-5, FA14869-6, FA14869-7, FA14869-8, FA14869-9, FA14869-10, FA14869-11, FA14869-15, FA14869-23

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

POST DIGESTATE SPIKE SUMMARY

Login Number: FA14869
Account: ERMNCR - ERM
Project: ECI; 100 Rego Dr, Elon, NC

QC Batch ID: MP27247
Matrix Type: SOLID

Methods: SW846 6010C
Units: ug/l

Prep Date: 05/13/14

Metal	Sample ml	Final ml	FA14846-1 Raw	Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum										
Antimony	9.8	10			93.7	0.2	5	100	93.7	80-120
Arsenic	9.8	10			96.5	0.2	5	100	96.5	80-120
Barium										
Beryllium	9.8	10			50	0.2	2.5	50	100.0	80-120
Cadmium	9.8	10			48.9	0.2	2.5	50	97.8	80-120
Calcium										
Chromium	9.8	10	33.3	32.634	85.3	0.2	2.5	50	105.3	80-120
Cobalt										
Copper	9.8	10	7.6	7.448	107.9	0.2	5	100	100.5	80-120
Iron										
Lead	9.8	10	25.7	25.186	71	0.2	2.5	50	91.6	80-120
Magnesium										
Manganese	9.8	10	28.9	28.322	81.3	0.2	2.5	50	106.0	80-120
Molybdenum										
Nickel	9.8	10	9.9	9.702	108.4	0.2	5	100	98.7	80-120
Potassium										
Selenium	9.8	10			90.3	0.2	5	100	90.3	80-120
Silver	9.8	10			46.3	0.2	2.5	50	92.6	80-120
Sodium										
Strontium										
Thallium	9.8	10			91.7	0.2	5	100	91.7	80-120
Tin										
Titanium										
Vanadium										
Zinc	9.8	10	13.8	13.524	256	0.2	12.5	250	97.0	80-120

Associated samples MP27247: FA14869-1, FA14869-2, FA14869-3, FA14869-4, FA14869-5, FA14869-6, FA14869-7, FA14869-8, FA14869-9, FA14869-10, FA14869-11, FA14869-15, FA14869-23

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(**) Corr. sample result = Raw * (sample volume / final volume)
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA14869
Account: ERMNCR - ERM
Project: ECI; 100 Rego Dr, Elon, NC

QC Batch ID: MP27252
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 05/14/14

Metal	RL	IDL	MDL	MB raw	final
Aluminum	200	15	15		
Antimony	6.0	2	2.3	1.9	<6.0
Arsenic	10	2	2.4		
Barium	200	1	1		
Beryllium	4.0	.5	.5	-0.10	<4.0
Cadmium	5.0	.5	.5		
Calcium	1000	50	50		
Chromium	10	1	2		
Cobalt	50	.5	.5		
Copper	25	1	1	-0.10	<25
Iron	300	17	17		
Lead	5.0	1.1	1.1		
Magnesium	5000	50	56		
Manganese	15	.5	1	0.0	<15
Molybdenum	50	.5	.5		
Nickel	40	.5	.5	-0.10	<40
Potassium	10000	200	200		
Selenium	10	2.3	2.3		
Silver	10	.65	.77		
Sodium	10000	500	500		
Strontium	10	.4	.4		
Thallium	10	1.5	2	-1.1	<10
Tin	50	.7	1		
Titanium	10	.9	1		
Vanadium	50	.5	.5		
Zinc	20	3	3	3.1	<20

Associated samples MP27252: FA14869-25

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA14869
Account: ERMNCR - ERM
Project: ECI; 100 Rego Dr, Elon, NC

QC Batch ID: MP27252
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:			05/14/14					05/14/14	
Metal	FA14883-1 Original	DUP	RPD	QC Limits	FA14883-1 Original	MS	Spikelot MPFLICP2	% Rec	QC Limits
Aluminum	anr								
Antimony	0.0	0.0	NC	0-20	0.0	521	500	104.2	80-120
Arsenic	anr								
Barium	anr								
Beryllium	0.0	0.0	NC	0-20	0.0	53.5	50	107.0	80-120
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt	anr								
Copper	2.2	1.9	14.6	0-20	2.2	276	250	109.5	80-120
Iron	anr								
Lead	anr								
Magnesium	anr								
Manganese	36.4	36.2	0.6	0-20	36.4	574	500	107.5	80-120
Molybdenum									
Nickel	3.4	3.5	2.9	0-20	3.4	538	500	106.9	80-120
Potassium	anr								
Selenium	anr								
Silver	anr								
Sodium	anr								
Strontium									
Thallium	0.0	0.0	NC	0-20	0.0	2050	2000	102.5	80-120
Tin									
Titanium									
Vanadium	anr								
Zinc	108	107	0.9	0-20	108	616	500	101.6	80-120

Associated samples MP27252: FA14869-25

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA14869
Account: ERMNCR - ERM
Project: ECI; 100 Rego Dr, Elon, NC

QC Batch ID: MP27252
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 05/14/14

Metal	FA14883-1 Original	MSD	Spikelot MPFLICP2	% Rec	MSD RPD	QC Limit
Aluminum	anr					
Antimony	0.0	518	500	103.6	0.6	20
Arsenic	anr					
Barium	anr					
Beryllium	0.0	53.0	50	106.0	0.9	20
Cadmium	anr					
Calcium	anr					
Chromium	anr					
Cobalt	anr					
Copper	2.2	270	250	107.1	2.2	20
Iron	anr					
Lead	anr					
Magnesium	anr					
Manganese	36.4	565	500	105.7	1.6	20
Molybdenum						
Nickel	3.4	531	500	105.5	1.3	20
Potassium	anr					
Selenium	anr					
Silver	anr					
Sodium	anr					
Strontium						
Thallium	0.0	2040	2000	102.0	0.5	20
Tin						
Titanium						
Vanadium	anr					
Zinc	108	614	500	101.2	0.3	20

Associated samples MP27252: FA14869-25

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA14869
Account: ERMNCR - ERM
Project: ECI; 100 Rego Dr, Elon, NC

QC Batch ID: MP27252
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 05/14/14

Metal	BSP Result	Spikelot MPFLICP2	% Rec	QC Limits
Aluminum	anr			
Antimony	529	500	105.8	80-120
Arsenic	anr			
Barium	anr			
Beryllium	53.6	50	107.2	80-120
Cadmium	anr			
Calcium	anr			
Chromium	anr			
Cobalt	anr			
Copper	273	250	109.2	80-120
Iron	anr			
Lead	anr			
Magnesium	anr			
Manganese	542	500	108.4	80-120
Molybdenum				
Nickel	543	500	108.6	80-120
Potassium	anr			
Selenium	anr			
Silver	anr			
Sodium	anr			
Strontium				
Thallium	2080	2000	104.0	80-120
Tin				
Titanium				
Vanadium	anr			
Zinc	525	500	105.0	80-120

Associated samples MP27252: FA14869-25

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA14869
Account: ERMNCR - ERM
Project: ECI; 100 Rego Dr, Elon, NC

QC Batch ID: MP27252
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 05/14/14

Metal	FA14883-1 Original	SDL 1:5	%DIF	QC Limits
Aluminum	anr			
Antimony	0.00	0.00	NC	0-10
Arsenic	anr			
Barium	anr			
Beryllium	0.00	0.00	NC	0-10
Cadmium	anr			
Calcium	anr			
Chromium	anr			
Cobalt	anr			
Copper	2.20	0.00	100.0(a)	0-10
Iron	anr			
Lead	anr			
Magnesium	anr			
Manganese	36.4	38.1	4.7	0-10
Molybdenum				
Nickel	3.40	3.60	5.9	0-10
Potassium	anr			
Selenium	anr			
Silver	anr			
Sodium	anr			
Strontium				
Thallium	0.00	0.00	NC	0-10
Tin				
Titanium				
Vanadium	anr			
Zinc	108	114	5.5	0-10

Associated samples MP27252: FA14869-25

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

POST DIGESTATE SPIKE SUMMARY

Login Number: FA14869
Account: ERMNCR - ERM
Project: ECI; 100 Rego Dr, Elon, NC

QC Batch ID: MP27252
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 05/14/14

Metal	Sample ml	Final ml	FA14883-1 Raw	Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum										
Antimony	9.8	10			107.1	0.2	5	100	107.1	80-120
Arsenic										
Barium										
Beryllium	9.8	10			53.6	0.2	2.5	50	107.2	80-120
Cadmium										
Calcium										
Chromium										
Cobalt										
Copper	9.8	10	2.2	2.156	110.4	0.2	5	100	108.2	80-120
Iron										
Lead										
Magnesium										
Manganese	9.8	10	36.4	35.672	89.8	0.2	2.5	50	108.3	80-120
Molybdenum										
Nickel	9.8	10	3.4	3.332	113.5	0.2	5	100	110.2	80-120
Potassium										
Selenium										
Silver										
Sodium										
Strontium										
Thallium	9.8	10			104.9	0.2	5	100	104.9	80-120
Tin										
Titanium										
Vanadium										
Zinc	9.8	10	107.7	105.546	367	0.2	12.5	250	104.6	80-120

Associated samples MP27252: FA14869-25

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(**) Corr. sample result = Raw * (sample volume / final volume)
(anr) Analyte not requested

Southeast ACCUTEST LABORATORIES

08/12/14

Technical Report for

ERM

ECI; 100 Rego Dr, Elon, NC

Accutest Job Number: FA14906

Sampling Date: 05/08/14

Report to:

ERM

Robert.Laumann@erm.com

ATTN: Robert Laumann

Total number of pages in report: **59**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Norm Farmer
Technical Director

Client Service contact: Jean Dent-Smith 407-425-6700

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Sample Summary

ERM

ECI; 100 Rego Dr, Elon, NC

Job No: FA14906

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
FA14906-1	05/08/14	14:00	GK	05/10/14	AQ	Ground Water	GP-45-41
FA14906-2	05/08/14	17:45	GK	05/10/14	AQ	Ground Water	GP-46-39.5
FA14906-3	05/08/14	18:30	GK	05/10/14	AQ	Ground Water	GP-47-39
FA14906-4	05/08/14	19:15	GK	05/10/14	AQ	Ground Water	GP-48-43
FA14906-5	05/08/14	22:30	GK	05/10/14	AQ	Ground Water	GP-50-48
FA14906-6	05/08/14	21:00	GK	05/10/14	SO	Soil	GP-49-5-7
FA14906-7	05/08/14	21:10	GK	05/10/14	SO	Soil	GP-49-28-30
FA14906-8	05/08/14	00:00	GK	05/10/14	AQ	Trip Blank Water	TRIP BLANK-3

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Summary of Hits

Job Number: FA14906
Account: ERM
Project: ECI; 100 Rego Dr, Elon, NC
Collected: 05/08/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FA14906-1	**GP-45-41**					
Toluene		0.32 J	1.0	0.20	ug/l	SW846 8260B
Trichloroethylene		2.0	1.0	0.30	ug/l	SW846 8260B
Total TIC, Volatile		25 J			ug/l	
FA14906-2	**GP-46-39.5**					
Chloroform		0.62 J	1.0	0.31	ug/l	SW846 8260B
Toluene		0.28 J	1.0	0.20	ug/l	SW846 8260B
Trichloroethylene		4.1	1.0	0.30	ug/l	SW846 8260B
FA14906-3	**GP-47-39**					
Chloroform		1.1	1.0	0.31	ug/l	SW846 8260B
Methyl Tert Butyl Ether		0.47 J	1.0	0.20	ug/l	SW846 8260B
Toluene		0.25 J	1.0	0.20	ug/l	SW846 8260B
Trichloroethylene		8.0	1.0	0.30	ug/l	SW846 8260B
FA14906-4	**GP-48-43**					
Chloroform		4.1	1.0	0.31	ug/l	SW846 8260B
Carbon disulfide		0.33 J	2.0	0.20	ug/l	SW846 8260B
Toluene		0.22 J	1.0	0.20	ug/l	SW846 8260B
Total TIC, Volatile		267 J			ug/l	
FA14906-5	**GP-50-48**					
Chloroform		1.3	1.0	0.31	ug/l	SW846 8260B
Toluene		0.49 J	1.0	0.20	ug/l	SW846 8260B
Trichloroethylene		53.8	1.0	0.30	ug/l	SW846 8260B
FA14906-6	**GP-49-5-7**					
Beryllium		0.12 B	0.28	0.028	mg/kg	SW846 6010C
Copper		11.8	1.4	0.057	mg/kg	SW846 6010C
Manganese		55.8	0.85	0.028	mg/kg	SW846 6010C
Nickel		2.1 B	2.3	0.028	mg/kg	SW846 6010C
Zinc		5.8	1.1	0.17	mg/kg	SW846 6010C
FA14906-7	**GP-49-28-30**					

No hits reported in this sample.

Summary of Hits

Job Number: FA14906
Account: ERM
Project: ECI; 100 Rego Dr, Elon, NC
Collected: 05/08/14

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FA14906-8	**TRIP BLANK-3**					
Total TIC, Volatile		30 J			ug/l	

Southeast ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	GP-45-41		
Lab Sample ID:	FA14906-1	**Date Sampled:**	05/08/14
Matrix:	AQ - Ground Water	**Date Received:**	05/10/14
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z25676.D	1	05/19/14	DP	n/a	n/a	VZ1004
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	1.0	0.30	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	103%		74-125%
2037-26-5	Toluene-D8	108%		88-111%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GP-45-41		
Lab Sample ID:	FA14906-1	**Date Sampled:**	05/08/14
Matrix:	AQ - Ground Water	**Date Received:**	05/10/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z25594.D	1	05/15/14	KW	n/a	n/a	VZ1001
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	11	ug/l	
107-02-8	Acrolein	ND	20	6.4	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.24	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.31	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.38	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.26	ug/l	
75-25-2	Bromoform	ND	1.0	0.38	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.30	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.27	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.31	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.23	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.29	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.40	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.25	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.78	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.24	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.24	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.36	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.34	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.33	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.36	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.33	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GP-45-41		
Lab Sample ID:	FA14906-1	**Date Sampled:**	05/08/14
Matrix:	AQ - Ground Water	**Date Received:**	05/10/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.29	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.34	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.28	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.24	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.53	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.29	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	1.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.24	ug/l	
100-42-5	Styrene	ND	1.0	0.23	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.34	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.27	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.32	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.57	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.24	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.26	ug/l	
108-88-3	Toluene	0.32	1.0	0.20	ug/l	J
79-01-6	Trichloroethylene	2.0	1.0	0.30	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.33	ug/l	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
	m,p-Xylene	ND	2.0	0.48	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GP-45-41		
Lab Sample ID:	FA14906-1	**Date Sampled:**	05/08/14
Matrix:	AQ - Ground Water	**Date Received:**	05/10/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		83-118%
17060-07-0	1,2-Dichloroethane-D4	113%		79-125%
2037-26-5	Toluene-D8	100%		85-112%
460-00-4	4-Bromofluorobenzene	94%		83-118%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
75-07-0	Acetaldehyde	3.35	25	ug/l	JN
	Total TIC, Volatile		25	ug/l	J

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GP-46-39.5		
Lab Sample ID:	FA14906-2	**Date Sampled:**	05/08/14
Matrix:	AQ - Ground Water	**Date Received:**	05/10/14
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z25653.D	1	05/16/14	DP	n/a	n/a	VZ1003
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	1.0	0.30	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	100%		74-125%
2037-26-5	Toluene-D8	108%		88-111%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GP-46-39.5		
Lab Sample ID:	FA14906-2	**Date Sampled:**	05/08/14
Matrix:	AQ - Ground Water	**Date Received:**	05/10/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z25595.D	1	05/15/14	KW	n/a	n/a	VZ1001
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	11	ug/l	
107-02-8	Acrolein	ND	20	6.4	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.24	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.31	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.38	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.26	ug/l	
75-25-2	Bromoform	ND	1.0	0.38	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.30	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.27	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	0.62	1.0	0.31	ug/l	J
95-49-8	o-Chlorotoluene	ND	1.0	0.23	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.29	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.40	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.25	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.78	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.24	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.24	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.36	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.34	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.33	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.36	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.33	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GP-46-39.5		
Lab Sample ID:	FA14906-2	**Date Sampled:**	05/08/14
Matrix:	AQ - Ground Water	**Date Received:**	05/10/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.29	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.34	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.28	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.24	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.53	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.29	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	1.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.24	ug/l	
100-42-5	Styrene	ND	1.0	0.23	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.34	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.27	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.32	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.57	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.24	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.26	ug/l	
108-88-3	Toluene	0.28	1.0	0.20	ug/l	J
79-01-6	Trichloroethylene	4.1	1.0	0.30	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.33	ug/l	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
	m,p-Xylene	ND	2.0	0.48	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GP-46-39.5		
Lab Sample ID:	FA14906-2	**Date Sampled:**	05/08/14
Matrix:	AQ - Ground Water	**Date Received:**	05/10/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		83-118%
17060-07-0	1,2-Dichloroethane-D4	112%		79-125%
2037-26-5	Toluene-D8	99%		85-112%
460-00-4	4-Bromofluorobenzene	93%		83-118%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile [a]		0	ug/l	

(a) No TICs detected.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GP-47-39		
Lab Sample ID:	FA14906-3	**Date Sampled:**	05/08/14
Matrix:	AQ - Ground Water	**Date Received:**	05/10/14
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z25654.D	1	05/16/14	DP	n/a	n/a	VZ1003
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	1.0	0.30	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	99%		74-125%
2037-26-5	Toluene-D8	108%		88-111%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GP-47-39		
Lab Sample ID:	FA14906-3	**Date Sampled:**	05/08/14
Matrix:	AQ - Ground Water	**Date Received:**	05/10/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z25596.D	1	05/15/14	KW	n/a	n/a	VZ1001
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	11	ug/l	
107-02-8	Acrolein	ND	20	6.4	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.24	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.31	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.38	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.26	ug/l	
75-25-2	Bromoform	ND	1.0	0.38	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.30	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.27	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	1.1	1.0	0.31	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.23	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.29	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.40	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.25	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.78	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.24	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.24	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.36	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.34	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.33	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.36	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.33	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GP-47-39		
Lab Sample ID:	FA14906-3	**Date Sampled:**	05/08/14
Matrix:	AQ - Ground Water	**Date Received:**	05/10/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.29	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.34	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.28	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.24	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.53	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.29	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	1.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.47	1.0	0.20	ug/l	J
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.24	ug/l	
100-42-5	Styrene	ND	1.0	0.23	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.34	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.27	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.32	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.57	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.24	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.26	ug/l	
108-88-3	Toluene	0.25	1.0	0.20	ug/l	J
79-01-6	Trichloroethylene	8.0	1.0	0.30	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.33	ug/l	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
	m,p-Xylene	ND	2.0	0.48	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GP-47-39		
Lab Sample ID:	FA14906-3	**Date Sampled:**	05/08/14
Matrix:	AQ - Ground Water	**Date Received:**	05/10/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		83-118%
17060-07-0	1,2-Dichloroethane-D4	113%		79-125%
2037-26-5	Toluene-D8	100%		85-112%
460-00-4	4-Bromofluorobenzene	96%		83-118%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile [a]		0	ug/l	

(a) No TICs detected.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GP-48-43		
Lab Sample ID:	FA14906-4	**Date Sampled:**	05/08/14
Matrix:	AQ - Ground Water	**Date Received:**	05/10/14
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z25655.D	1	05/16/14	DP	n/a	n/a	VZ1003
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	1.0	0.30	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	102%		74-125%
2037-26-5	Toluene-D8	105%		88-111%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GP-48-43		
Lab Sample ID:	FA14906-4	**Date Sampled:**	05/08/14
Matrix:	AQ - Ground Water	**Date Received:**	05/10/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z25597.D	1	05/15/14	KW	n/a	n/a	VZ1001
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	11	ug/l	
107-02-8	Acrolein	ND	20	6.4	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.24	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.31	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.38	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.26	ug/l	
75-25-2	Bromoform	ND	1.0	0.38	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.30	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.27	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	4.1	1.0	0.31	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.23	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.29	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	0.33	2.0	0.20	ug/l	J
56-23-5	Carbon tetrachloride	ND	1.0	0.40	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.25	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.78	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.24	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.24	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.36	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.34	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.33	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.36	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.33	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GP-48-43		
Lab Sample ID:	FA14906-4	**Date Sampled:**	05/08/14
Matrix:	AQ - Ground Water	**Date Received:**	05/10/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.29	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.34	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.28	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.24	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.53	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.29	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	1.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.24	ug/l	
100-42-5	Styrene	ND	1.0	0.23	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.34	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.27	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.32	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.57	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.24	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.26	ug/l	
108-88-3	Toluene	0.22	1.0	0.20	ug/l	J
79-01-6	Trichloroethylene	ND	1.0	0.30	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.33	ug/l	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
	m,p-Xylene	ND	2.0	0.48	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GP-48-43		
Lab Sample ID:	FA14906-4	**Date Sampled:**	05/08/14
Matrix:	AQ - Ground Water	**Date Received:**	05/10/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		83-118%
17060-07-0	1,2-Dichloroethane-D4	114%		79-125%
2037-26-5	Toluene-D8	96%		85-112%
460-00-4	4-Bromofluorobenzene	94%		83-118%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
74-99-7	1-Propyne	2.69	49	ug/l	JN
106-98-9	1-Butene	2.89	97	ug/l	JN
106-97-8	Butane	2.98	32	ug/l	JN
1191-96-4	Cyclopropane, ethyl-	3.72	33	ug/l	JN
67-64-1	Acetone	5.05	56	ug/l	JN
	Total TIC, Volatile		267	ug/l	J

ND = Not detected MDL = Method Detection Limit
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E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GP-50-48		
Lab Sample ID:	FA14906-5	**Date Sampled:**	05/08/14
Matrix:	AQ - Ground Water	**Date Received:**	05/10/14
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z25656.D	1	05/16/14	DP	n/a	n/a	VZ1003
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	1.0	0.30	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	99%		74-125%
2037-26-5	Toluene-D8	109%		88-111%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GP-50-48		
Lab Sample ID:	FA14906-5	**Date Sampled:**	05/08/14
Matrix:	AQ - Ground Water	**Date Received:**	05/10/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z25598.D	1	05/15/14	KW	n/a	n/a	VZ1001
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	11	ug/l	
107-02-8	Acrolein	ND	20	6.4	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.24	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.31	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.38	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.26	ug/l	
75-25-2	Bromoform	ND	1.0	0.38	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.30	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.27	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	1.3	1.0	0.31	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.23	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.29	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.40	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.25	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.78	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.24	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.24	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.36	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.34	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.33	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.36	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.33	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GP-50-48		
Lab Sample ID:	FA14906-5	**Date Sampled:**	05/08/14
Matrix:	AQ - Ground Water	**Date Received:**	05/10/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.29	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.34	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.28	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.24	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.53	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.29	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	1.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.24	ug/l	
100-42-5	Styrene	ND	1.0	0.23	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.34	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.27	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.32	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.57	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.24	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.26	ug/l	
108-88-3	Toluene	0.49	1.0	0.20	ug/l	J
79-01-6	Trichloroethylene	53.8	1.0	0.30	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.33	ug/l	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
	m,p-Xylene	ND	2.0	0.48	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GP-50-48		
Lab Sample ID:	FA14906-5	**Date Sampled:**	05/08/14
Matrix:	AQ - Ground Water	**Date Received:**	05/10/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		83-118%
17060-07-0	1,2-Dichloroethane-D4	112%		79-125%
2037-26-5	Toluene-D8	100%		85-112%
460-00-4	4-Bromofluorobenzene	92%		83-118%

CAS No.	Tentatively Identified Compounds [a]	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile [a]		0	ug/l	

(a) No TICs detected.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GP-49-5-7		
Lab Sample ID:	FA14906-6	**Date Sampled:**	05/08/14
Matrix:	SO - Soil	**Date Received:**	05/10/14
		Percent Solids:	79.7
Project:	ECI; 100 Rego Dr, Elon, NC		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Antimony	0.11 U	1.1	0.11	mg/kg	1	05/15/14	05/15/14	LM	SW846 6010C [1]	SW846 3050B [2]
Beryllium	0.12 B	0.28	0.028	mg/kg	1	05/15/14	05/15/14	LM	SW846 6010C [1]	SW846 3050B [2]
Copper	11.8	1.4	0.057	mg/kg	1	05/15/14	05/15/14	LM	SW846 6010C [1]	SW846 3050B [2]
Manganese	55.8	0.85	0.028	mg/kg	1	05/15/14	05/15/14	LM	SW846 6010C [1]	SW846 3050B [2]
Nickel	2.1 B	2.3	0.028	mg/kg	1	05/15/14	05/15/14	LM	SW846 6010C [1]	SW846 3050B [2]
Thallium	0.085 U	0.57	0.085	mg/kg	1	05/15/14	05/15/14	LM	SW846 6010C [1]	SW846 3050B [2]
Zinc	5.8	1.1	0.17	mg/kg	1	05/15/14	05/15/14	LM	SW846 6010C [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA11602
(2) Prep QC Batch: MP27261

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	GP-49-28-30		
Lab Sample ID:	FA14906-7	**Date Sampled:**	05/08/14
Matrix:	SO - Soil	**Date Received:**	05/10/14
		Percent Solids:	59.3
Project:	ECI; 100 Rego Dr, Elon, NC		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Solids, Percent	59.3		%	1	05/13/14 10:52	LE	SM19 2540G

RL = Reporting Limit

Report of Analysis

Client Sample ID:	TRIP BLANK-3		
Lab Sample ID:	FA14906-8	**Date Sampled:**	05/08/14
Matrix:	AQ - Trip Blank Water	**Date Received:**	05/10/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z25599.D	1	05/15/14	KW	n/a	n/a	VZ1001
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	11	ug/l	
107-02-8	Acrolein	ND	20	6.4	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.24	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.31	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.38	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.26	ug/l	
75-25-2	Bromoform	ND	1.0	0.38	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.30	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.27	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.31	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.23	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.29	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.40	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.25	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.78	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.24	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.24	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.36	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.34	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.33	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.36	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.33	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK-3		
Lab Sample ID:	FA14906-8	**Date Sampled:**	05/08/14
Matrix:	AQ - Trip Blank Water	**Date Received:**	05/10/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.29	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.34	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.28	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.24	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.53	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.29	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	1.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.24	ug/l	
100-42-5	Styrene	ND	1.0	0.23	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.34	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.27	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.32	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.57	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.24	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.26	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.30	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.33	ug/l	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
	m,p-Xylene	ND	2.0	0.48	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK-3		
Lab Sample ID:	FA14906-8	**Date Sampled:**	05/08/14
Matrix:	AQ - Trip Blank Water	**Date Received:**	05/10/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		83-118%
17060-07-0	1,2-Dichloroethane-D4	115%		79-125%
2037-26-5	Toluene-D8	101%		85-112%
460-00-4	4-Bromofluorobenzene	90%		83-118%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
75-37-6	Ethane, 1,1-difluoro-	2.56	30	ug/l	JN
	Total TIC, Volatile		30	ug/l	J

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Southeast ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

Accutest Laboratories Southeast
Chain of Custody

ACCUTEST LABORATORIES

4405 Vineland Road, Suite C-15 Orlando, Fl 32811
TEL. 407-425-6700 • FAX: 407-425-0707
www.accutest.com

Accutest JOB # FA14906

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Accutest Quote #

SKIFF#

Client / Reporting Information

Company Name: ERM
Address: 1130 Situs Ct. Suite 250
City: Raleigh State: NC Zip: 27606
Project Contact: E-mail: Lane.Beerman@erm.com
Phone#: 919-233-4501
Sampler(s) Name(s) (Printed): G. Kane

Project Information

Project Name: ECI Elon
Street: 100 Rego Dr.
City: Elon State: NC
Project #:
Fax #:
Client Purchase Order #:

Analytical Information

Accutest Sample #	Field ID / Point of Collection	Date	Time	Sampled By	Matrix	Total # of Bottles	Other	None	HCl	NaOH	HNO3	H2SO4	NaOH+ZnAc	DI Water	MeOH	VOC +10 TICs 8260	1,4 Dioxane 8260 SIM	Total Sb, Be, Cu, Mn, Ni, Tl, Zn
1	GP-45-41	5/9/14	1900	GK	GW	6			6							X	X	
2	GP-46-39.5		1745															
3	GP-47-39		1830															
4	GP-48-43		1915															
5	GP-50-48		2000															
6	GP-49-5-7		2100		SO	1			1									X
7	GP-49-28-30		2110		SO	1			1									X
8	Trip Blank-3		-	-	WW	2			2							X		

Matrix Codes
DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL - Sludge
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe

LAB USE ONLY

TURNAROUND TIME (Business Days)

Approved By: / Rush Code

- [x] 10 Days Standard
- [ ] 7 Day RUSH
- [ ] 5 Day RUSH
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY
- [ ] OTHER

Emergency or Rush T/A Data Available VIA Email or Lablink

Data Deliverable Information

- [ ] COMMERCIAL "A" (RESULTS ONLY)
- [x] COMMERCIAL "B" (RESULTS PLUS QC)
- [ ] REDT1 (EPA LEVEL 3)
- [ ] FULT1 (EPA LEVEL 4)
- [ ] EDD'S

RALEIGH.NC

SVC CENTER

Comments / Remarks

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
1 [signature]	5/9/13 1110	2 Brent Nadler	3 Brent Nadler	5/9/14 1705	4 FX
Relinquished by:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
5 PP 05/10/14	10:15	6 [signature]	7		8

Lab Use Only: Custody Seal in Place: Y N Temp Blank Provided: Y N Preserved where Applicable: Y N Total # of Coolers: Cooler Temperature (s) Celsius: 20

4.1 4

FA14906: Chain of Custody
Page 1 of 4

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: FA14906 CLIENT: ERM PROJECT: ECI

DATE/TIME RECEIVED: 05/10/14 1015 {MM/DD/YY 24:00} NUMBER OF COOLERS RECEIVED: 1

METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 7988 1586 8674

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET

TRIP BLANK INFORMATION

- [x] TRIP BLANK PROVIDED
- [ ] TRIP BLANK NOT PROVIDED
- [ ] TRIP BLANK NOT ON COC
- [x] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [x] RECEIVED WATER TRIP BLANK
- [ ] RECEIVED SOIL TRIP BLANK

MISC. INFORMATION

NUMBER OF ENCORES ? 25-GRAM_____ 5-GRAM_____

NUMBER OF 5035 FIELD KITS ? _____

NUMBER OF LAB FILTERED METALS ? _____

TEMPERATURE INFORMATION

- [ ] IR THERM ID 1 CORR. FACTOR +0.4
- [ ] OBSERVED TEMPS: 1.6
- [ ] CORRECTED TEMPS: 2.0

SAMPLE INFORMATION

- [ ] INCORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] DATES/TIMES ON COC DO NOT MATCH SAMPLE LABEL
- [ ] ID'S ON COC DO NOT MATCH LABEL
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING OR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] 5035 FIELD KITS NOT RECEIVED WITHIN 48 HOURS
- [ ] BULK VOA SOIL JARS NOT RECEIVED WITHIN 48 HOURS
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] RESIDUAL CHLORINE PRESENT

{APPICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS}

SUMMARY OF COMMENTS:

TECHNICIAN SIGNATURE/DATE 05/10/14 REVIEWER SIGNATURE/DATE 05/10/14

RS 04/14 receipt confirmation 041514.xls

4.1

4

FA14906: Chain of Custody

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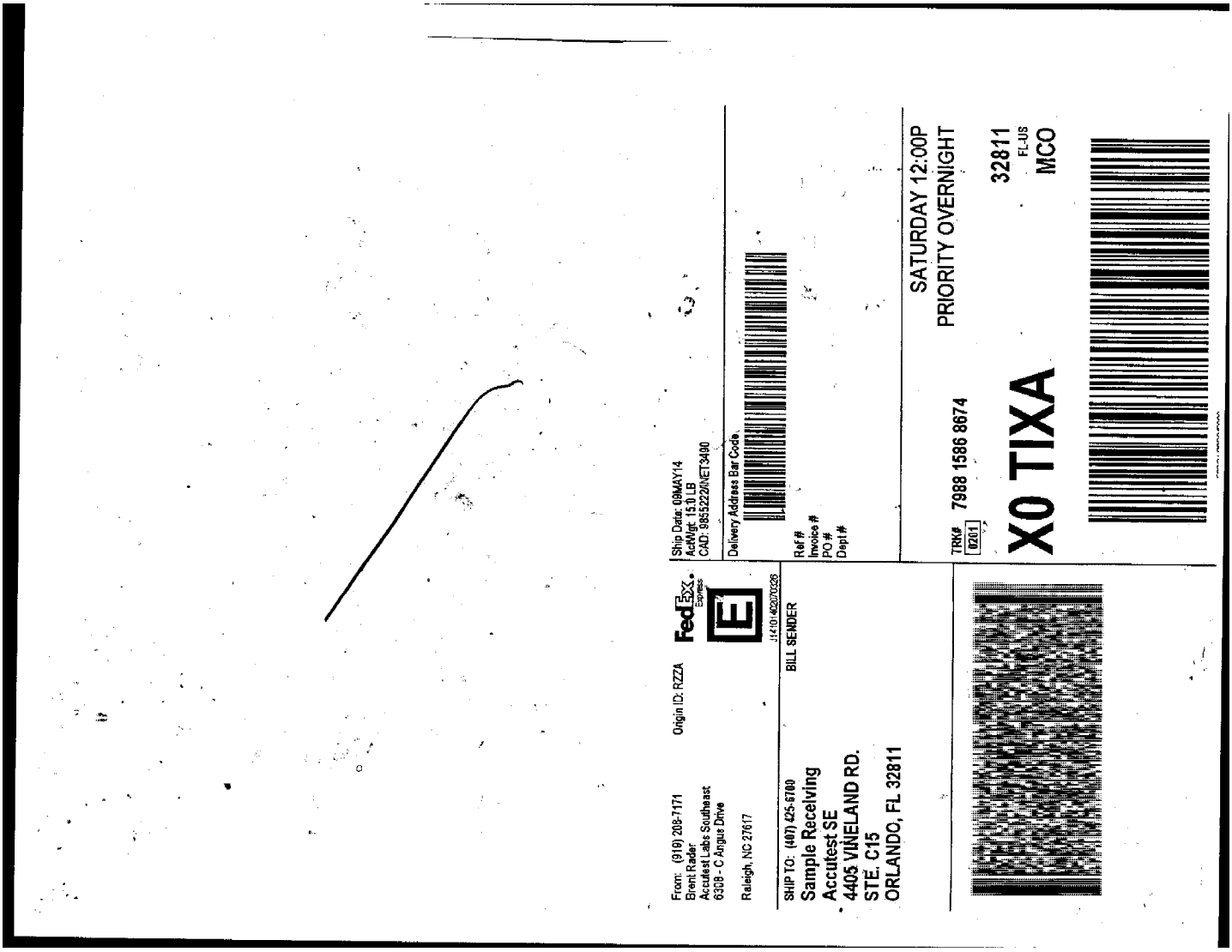

FA14906: Chain of Custody
Page 3 of 4

Job Change Order: FA14906_5/14/2014

Requested Date:	5/14/2014	**Received Date:**	5/10/2014
Account Name:	ERM	**Due Date:**	5/20/2014
Project	ECI; 100 Rego Dr, Elon, NC	**Deliverable:**	COMMB
CSR:	JDS	**TAT (Days):**	10

Sample #:
FA14906-7

Change: Per client, please hold sample until further notice.
Thank you.

GP-49-28-30

Above Changes Per: client, Greg Kanellis, via e-mail **Date:** 5/14/2014

To Client: This Change Order is confirmation of the revisions, previously discussed with the Accutest Client Service

Page 1 of 1

FA14906: Chain of Custody
Page 4 of 4

Southeast ACCUTEST LABORATORIES

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: FA14906
Account: ERMNCR ERM
Project: ECI; 100 Rego Dr, Elon, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VZ1003-MB	Z25633.D	1	05/16/14	DP	n/a	n/a	VZ1003

The QC reported here applies to the following samples: **Method:** SW846 8260B BY SIM

FA14906-2, FA14906-3, FA14906-4, FA14906-5

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	0.34	1.0	0.30	ug/l	J

CAS No.	Surrogate Recoveries		Limits
17060-07-0	1,2-Dichloroethane-D4	112%	74-125%
2037-26-5	Toluene-D8	107%	88-111%

Method Blank Summary

Job Number: FA14906
Account: ERMNCR ERM
Project: ECI; 100 Rego Dr, Elon, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VZ1004-MB	Z25667.D	1	05/19/14	DP	n/a	n/a	VZ1004

The QC reported here applies to the following samples: **Method:** SW846 8260B BY SIM

FA14906-1

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	1.0	0.30	ug/l	

CAS No.	Surrogate Recoveries		Limits
17060-07-0	1,2-Dichloroethane-D4	101%	74-125%
2037-26-5	Toluene-D8	108%	88-111%

Method Blank Summary

Job Number: FA14906
Account: ERMNCR ERM
Project: ECI; 100 Rego Dr, Elon, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VZ1001-MB	Z25573.D	1	05/15/14	KW	n/a	n/a	VZ1001

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA14906-1, FA14906-2, FA14906-3, FA14906-4, FA14906-5, FA14906-8

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	11	ug/l	
107-02-8	Acrolein	ND	20	6.4	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.24	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.31	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.38	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.26	ug/l	
75-25-2	Bromoform	ND	1.0	0.38	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.30	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.27	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.31	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.23	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.29	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.40	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.25	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.78	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.24	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.24	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.36	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.34	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.33	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.36	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.33	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.29	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.34	ug/l	

Method Blank Summary

Job Number: FA14906
Account: ERMNCR ERM
Project: ECI; 100 Rego Dr, Elon, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VZ1001-MB	Z25573.D	1	05/15/14	KW	n/a	n/a	VZ1001

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA14906-1, FA14906-2, FA14906-3, FA14906-4, FA14906-5, FA14906-8

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.28	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.24	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.53	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.29	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	1.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.24	ug/l	
100-42-5	Styrene	ND	1.0	0.23	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.34	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.27	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.32	ug/l	
87-61-6	1,2,3-Trichlorobenzene	0.65	1.0	0.50	ug/l	J
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.57	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.24	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.26	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.30	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.33	ug/l	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
	m,p-Xylene	ND	2.0	0.48	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

Method Blank Summary

Job Number: FA14906
Account: ERMNCR ERM
Project: ECI; 100 Rego Dr, Elon, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VZ1001-MB	Z25573.D	1	05/15/14	KW	n/a	n/a	VZ1001

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA14906-1, FA14906-2, FA14906-3, FA14906-4, FA14906-5, FA14906-8

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	102%	83-118%
17060-07-0	1,2-Dichloroethane-D4	110%	79-125%
2037-26-5	Toluene-D8	102%	85-112%
460-00-4	4-Bromofluorobenzene	97%	83-118%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile [a]		0	ug/l	

(a) No TICs detected.

Blank Spike Summary

Job Number: FA14906
Account: ERMNCR ERM
Project: ECI; 100 Rego Dr, Elon, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VZ1003-BS	Z25632.D	1	05/16/14	DP	n/a	n/a	VZ1003

The QC reported here applies to the following samples: **Method:** SW846 8260B BY SIM

FA14906-2, FA14906-3, FA14906-4, FA14906-5

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
123-91-1	1,4-Dioxane	50	40.9	82	65-121

CAS No.	Surrogate Recoveries	BSP	Limits
17060-07-0	1,2-Dichloroethane-D4	112%	74-125%
2037-26-5	Toluene-D8	106%	88-111%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA14906
Account: ERMNCR ERM
Project: ECI; 100 Rego Dr, Elon, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VZ1004-BS	Z25665.D	1	05/19/14	DP	n/a	n/a	VZ1004

The QC reported here applies to the following samples: **Method:** SW846 8260B BY SIM

FA14906-1

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
123-91-1	1,4-Dioxane	50	41.0	82	65-121

CAS No.	Surrogate Recoveries	BSP	Limits
17060-07-0	1,2-Dichloroethane-D4	99%	74-125%
2037-26-5	Toluene-D8	109%	88-111%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA14906
Account: ERMNCR ERM
Project: ECI; 100 Rego Dr, Elon, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VZ1001-BS	Z25572.D	1	05/15/14	KW	n/a	n/a	VZ1001

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA14906-1, FA14906-2, FA14906-3, FA14906-4, FA14906-5, FA14906-8

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	137	110	50-147
107-02-8	Acrolein	125	125	100	31-154
107-13-1	Acrylonitrile	125	149	119	58-126
71-43-2	Benzene	25	23.9	96	81-122
108-86-1	Bromobenzene	25	21.9	88	80-121
74-97-5	Bromochloromethane	25	21.0	84	76-123
75-27-4	Bromodichloromethane	25	21.4	86	79-123
75-25-2	Bromoform	25	21.7	87	66-123
104-51-8	n-Butylbenzene	25	23.3	93	79-126
135-98-8	sec-Butylbenzene	25	27.2	109	83-133
98-06-6	tert-Butylbenzene	25	26.4	106	80-133
108-90-7	Chlorobenzene	25	24.7	99	82-124
75-00-3	Chloroethane	25	26.6	106	62-144
67-66-3	Chloroform	25	23.7	95	80-124
95-49-8	o-Chlorotoluene	25	25.9	104	81-127
106-43-4	p-Chlorotoluene	25	27.0	108	83-130
110-75-8	2-Chloroethyl vinyl ether	125	117	94	56-122
75-15-0	Carbon disulfide	25	23.8	95	66-148
56-23-5	Carbon tetrachloride	25	21.2	85	76-136
75-34-3	1,1-Dichloroethane	25	24.4	98	81-122
75-35-4	1,1-Dichloroethylene	25	23.9	96	78-137
563-58-6	1,1-Dichloropropene	25	25.6	102	79-131
96-12-8	1,2-Dibromo-3-chloropropane	25	23.5	94	64-123
106-93-4	1,2-Dibromoethane	25	21.8	87	75-120
107-06-2	1,2-Dichloroethane	25	23.1	92	75-125
78-87-5	1,2-Dichloropropane	25	23.3	93	76-124
142-28-9	1,3-Dichloropropane	25	23.1	92	80-118
594-20-7	2,2-Dichloropropane	25	25.9	104	74-139
124-48-1	Dibromochloromethane	25	19.5	78	78-122
75-71-8	Dichlorodifluoromethane	25	32.5	130	42-167
156-59-2	cis-1,2-Dichloroethylene	25	22.0	88	78-120
10061-01-5	cis-1,3-Dichloropropene	25	21.1	84	75-118
541-73-1	m-Dichlorobenzene	25	24.2	97	84-125
95-50-1	o-Dichlorobenzene	25	22.7	91	82-124
106-46-7	p-Dichlorobenzene	25	22.3	89	78-120
156-60-5	trans-1,2-Dichloroethylene	25	23.7	95	76-127

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA14906
Account: ERMNCR ERM
Project: ECI; 100 Rego Dr, Elon, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VZ1001-BS	Z25572.D	1	05/15/14	KW	n/a	n/a	VZ1001

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA14906-1, FA14906-2, FA14906-3, FA14906-4, FA14906-5, FA14906-8

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
10061-02-6	trans-1,3-Dichloropropene	25	24.5	98	80-120
100-41-4	Ethylbenzene	25	23.7	95	81-121
591-78-6	2-Hexanone	125	121	97	61-129
87-68-3	Hexachlorobutadiene	25	24.2	97	75-142
98-82-8	Isopropylbenzene	25	23.8	95	83-132
99-87-6	p-Isopropyltoluene	25	24.2	97	79-130
108-10-1	4-Methyl-2-pentanone	125	121	97	66-122
74-83-9	Methyl bromide	25	29.6	118	59-143
74-87-3	Methyl chloride	25	32.2	129	50-159
74-95-3	Methylene bromide	25	22.8	91	78-119
75-09-2	Methylene chloride	25	24.3	97	69-135
78-93-3	Methyl ethyl ketone	125	113	90	56-143
1634-04-4	Methyl Tert Butyl Ether	25	22.0	88	72-117
91-20-3	Naphthalene	25	22.6	90	63-132
103-65-1	n-Propylbenzene	25	27.2	109	82-133
100-42-5	Styrene	25	19.4	78	78-119
630-20-6	1,1,1,2-Tetrachloroethane	25	23.8	95	77-122
71-55-6	1,1,1-Trichloroethane	25	24.1	96	75-130
79-34-5	1,1,2,2-Tetrachloroethane	25	24.5	98	72-120
79-00-5	1,1,2-Trichloroethane	25	23.3	93	76-119
87-61-6	1,2,3-Trichlorobenzene	25	24.6	98	68-131
96-18-4	1,2,3-Trichloropropane	25	22.1	88	77-120
120-82-1	1,2,4-Trichlorobenzene	25	22.0	88	73-129
95-63-6	1,2,4-Trimethylbenzene	25	24.1	96	79-120
108-67-8	1,3,5-Trimethylbenzene	25	23.1	92	79-120
127-18-4	Tetrachloroethylene	25	23.1	92	76-135
108-88-3	Toluene	25	23.6	94	80-120
79-01-6	Trichloroethylene	25	24.1	96	81-126
75-69-4	Trichlorofluoromethane	25	29.2	117	71-156
75-01-4	Vinyl chloride	25	28.3	113	69-159
108-05-4	Vinyl Acetate	125	147	118	43-154
	m,p-Xylene	50	49.2	98	79-126
95-47-6	o-Xylene	25	25.3	101	80-127

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA14906
Account: ERMNCR ERM
Project: ECI; 100 Rego Dr, Elon, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VZ1001-BS	Z25572.D	1	05/15/14	KW	n/a	n/a	VZ1001

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA14906-1, FA14906-2, FA14906-3, FA14906-4, FA14906-5, FA14906-8

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	101%	83-118%
17060-07-0	1,2-Dichloroethane-D4	104%	79-125%
2037-26-5	Toluene-D8	99%	85-112%
460-00-4	4-Bromofluorobenzene	93%	83-118%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA14906
Account: ERMNCR ERM
Project: ECI; 100 Rego Dr, Elon, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA14837-2MS	Z25657.D	1	05/16/14	DP	n/a	n/a	VZ1003
FA14837-2MSD	Z25658.D	1	05/16/14	DP	n/a	n/a	VZ1003
FA14837-2 [a]	Z25647.D	1	05/16/14	DP	n/a	n/a	VZ1003

The QC reported here applies to the following samples: **Method:** SW846 8260B BY SIM

FA14906-2, FA14906-3, FA14906-4, FA14906-5

CAS No.	Compound	FA14837-2 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
123-91-1	1,4-Dioxane	4.2		50	42.9	77	50	44.6	81	4	65-121/27

CAS No.	Surrogate Recoveries	MS	MSD	FA14837-2	Limits
17060-07-0	1,2-Dichloroethane-D4	101%	100%	103%	74-125%
2037-26-5	Toluene-D8	109%	109%	108%	88-111%

(a) Confirmation run.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA14906
Account: ERMNCR ERM
Project: ECI; 100 Rego Dr, Elon, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA15066-1MS	Z25687.D	1	05/19/14	DP	n/a	n/a	VZ1004
FA15066-1MSD	Z25688.D	1	05/19/14	DP	n/a	n/a	VZ1004
FA15066-1 [a]	Z25682.D	1	05/19/14	DP	n/a	n/a	VZ1004

The QC reported here applies to the following samples: **Method:** SW846 8260B BY SIM

FA14906-1

CAS No.	Compound	FA15066-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
123-91-1	1,4-Dioxane	1.1		50	38.7	75	50	40.0	78	3	65-121/27

CAS No.	Surrogate Recoveries	MS	MSD	FA15066-1	Limits
17060-07-0	1,2-Dichloroethane-D4	96%	95%	99%	74-125%
2037-26-5	Toluene-D8	111%	110%	112%* [b]	88-111%

(a) Confirmation run.
(b) Outside control limits.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA14906
Account: ERMNCR ERM
Project: ECI; 100 Rego Dr, Elon, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA14697-19MS	Z25584.D	1	05/15/14	KW	n/a	n/a	VZ1001
FA14697-19MSD	Z25585.D	1	05/15/14	KW	n/a	n/a	VZ1001
FA14697-19	Z25576.D	1	05/15/14	KW	n/a	n/a	VZ1001

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA14906-1, FA14906-2, FA14906-3, FA14906-4, FA14906-5, FA14906-8

CAS No.	Compound	FA14697-19 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		125	72.4	58	125	78.7	63	8	50-147/21
107-02-8	Acrolein	ND		125	83.3	67	125	89.7	72	7	31-154/29
107-13-1	Acrylonitrile	ND		125	109	87	125	122	98	11	58-126/16
71-43-2	Benzene	ND		25	23.7	95	25	23.3	93	2	81-122/14
108-86-1	Bromobenzene	ND		25	20.9	84	25	20.8	83	0	80-121/14
74-97-5	Bromochloromethane	ND		25	19.4	78	25	20.0	80	3	76-123/14
75-27-4	Bromodichloromethane	ND		25	20.0	80	25	19.4	78*	3	79-123/19
75-25-2	Bromoform	ND		25	16.4	66	25	16.7	67	2	66-123/21
104-51-8	n-Butylbenzene	ND		25	22.1	88	25	21.2	85	4	79-126/16
135-98-8	sec-Butylbenzene	ND		25	25.8	103	25	25.2	101	2	83-133/16
98-06-6	tert-Butylbenzene	ND		25	25.2	101	25	24.9	100	1	80-133/16
108-90-7	Chlorobenzene	ND		25	24.1	96	25	23.3	93	3	82-124/14
75-00-3	Chloroethane	ND		25	26.2	105	25	25.6	102	2	62-144/20
67-66-3	Chloroform	ND		25	22.7	91	25	22.7	91	0	80-124/15
95-49-8	o-Chlorotoluene	ND		25	25.1	100	25	24.8	99	1	81-127/15
106-43-4	p-Chlorotoluene	ND		25	25.2	101	25	24.9	100	1	83-130/15
110-75-8	2-Chloroethyl vinyl ether	ND		125	ND	0*	125	ND	0*	nc	56-122/23
75-15-0	Carbon disulfide	ND		25	19.6	78	25	19.7	79	1	66-148/23
56-23-5	Carbon tetrachloride	ND		25	19.9	80	25	19.1	76	4	76-136/23
75-34-3	1,1-Dichloroethane	3.4		25	27.3	96	25	27.0	94	1	81-122/15
75-35-4	1,1-Dichloroethylene	ND		25	23.0	92	25	23.6	94	3	78-137/18
563-58-6	1,1-Dichloropropene	ND		25	23.2	93	25	23.4	94	1	79-131/16
96-12-8	1,2-Dibromo-3-chloropropane	ND		25	23.0	92	25	24.3	97	5	64-123/18
106-93-4	1,2-Dibromoethane	ND		25	20.5	82	25	20.9	84	2	75-120/13
107-06-2	1,2-Dichloroethane	ND		25	23.3	93	25	22.9	92	2	75-125/14
78-87-5	1,2-Dichloropropane	ND		25	23.1	92	25	22.8	91	1	76-124/14
142-28-9	1,3-Dichloropropane	ND		25	22.1	88	25	22.2	89	0	80-118/13
594-20-7	2,2-Dichloropropane	ND		25	23.3	93	25	22.9	92	2	74-139/17
124-48-1	Dibromochloromethane	ND		25	16.1	64*	25	16.0	64*	1	78-122/19
75-71-8	Dichlorodifluoromethane	ND		25	29.0	116	25	28.7	115	1	42-167/19
156-59-2	cis-1,2-Dichloroethylene	1.2		25	21.3	80	25	21.9	83	3	78-120/15
10061-01-5	cis-1,3-Dichloropropene	ND		25	17.8	71*	25	17.5	70*	2	75-118/23
541-73-1	m-Dichlorobenzene	ND		25	22.7	91	25	22.1	88	3	84-125/14
95-50-1	o-Dichlorobenzene	ND		25	21.8	87	25	21.4	86	2	82-124/14
106-46-7	p-Dichlorobenzene	ND		25	21.5	86	25	21.2	85	1	78-120/15
156-60-5	trans-1,2-Dichloroethylene	ND		25	22.6	90	25	22.8	91	1	76-127/17

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA14906
Account: ERMNCR ERM
Project: ECI; 100 Rego Dr, Elon, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA14697-19MS	Z25584.D	1	05/15/14	KW	n/a	n/a	VZ1001
FA14697-19MSD	Z25585.D	1	05/15/14	KW	n/a	n/a	VZ1001
FA14697-19	Z25576.D	1	05/15/14	KW	n/a	n/a	VZ1001

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA14906-1, FA14906-2, FA14906-3, FA14906-4, FA14906-5, FA14906-8

CAS No.	Compound	FA14697-19 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
10061-02-6	trans-1,3-Dichloropropene	ND		25	22.7	91	25	20.1	80	12	80-120/22
100-41-4	Ethylbenzene	ND		25	23.5	94	25	22.5	90	4	81-121/14
591-78-6	2-Hexanone	ND		125	99.8	80	125	106	85	6	61-129/18
87-68-3	Hexachlorobutadiene	ND		25	21.2	85	25	21.4	86	1	75-142/19
98-82-8	Isopropylbenzene	ND		25	22.3	89	25	20.9	84	6	83-132/15
99-87-6	p-Isopropyltoluene	ND		25	22.8	91	25	21.7	87	5	79-130/16
108-10-1	4-Methyl-2-pentanone	ND		125	123	98	125	127	102	3	66-122/16
74-83-9	Methyl bromide	ND		25	27.8	111	25	28.9	116	4	59-143/19
74-87-3	Methyl chloride	ND		25	32.2	129	25	33.7	135	5	50-159/19
74-95-3	Methylene bromide	ND		25	22.1	88	25	22.5	90	2	78-119/14
75-09-2	Methylene chloride	ND		25	24.9	100	25	24.7	99	1	69-135/16
78-93-3	Methyl ethyl ketone	ND		125	83.3	67	125	89.5	72	7	56-143/18
1634-04-4	Methyl Tert Butyl Ether	ND		25	20.4	82	25	21.7	87	6	72-117/14
91-20-3	Naphthalene	ND		25	20.2	81	25	22.7	91	12	63-132/25
103-65-1	n-Propylbenzene	ND		25	25.6	102	25	25.5	102	0	82-133/15
100-42-5	Styrene	ND		25	16.6	66*	25	15.3	61*	8	78-119/23
630-20-6	1,1,1,2-Tetrachloroethane	ND		25	22.6	90	25	20.3	81	11	77-122/19
71-55-6	1,1,1-Trichloroethane	ND		25	22.8	91	25	22.9	92	0	75-130/16
79-34-5	1,1,2,2-Tetrachloroethane	ND		25	24.6	98	25	25.5	102	4	72-120/14
79-00-5	1,1,2-Trichloroethane	ND		25	22.6	90	25	22.0	88	3	76-119/14
87-61-6	1,2,3-Trichlorobenzene	ND		25	20.9	84	25	23.2	93	10	68-131/25
96-18-4	1,2,3-Trichloropropane	ND		25	21.3	85	25	22.3	89	5	77-120/16
120-82-1	1,2,4-Trichlorobenzene	ND		25	19.9	80	25	20.6	82	3	73-129/20
95-63-6	1,2,4-Trimethylbenzene	ND		25	22.3	89	25	21.1	84	6	79-120/18
108-67-8	1,3,5-Trimethylbenzene	ND		25	21.4	86	25	20.2	81	6	79-120/19
127-18-4	Tetrachloroethylene	ND		25	22.0	88	25	20.4	82	8	76-135/16
108-88-3	Toluene	ND		25	22.2	89	25	21.1	84	5	80-120/14
79-01-6	Trichloroethylene	0.72	J	25	23.8	92	25	24.1	94	1	81-126/15
75-69-4	Trichlorofluoromethane	ND		25	28.7	115	25	27.4	110	5	71-156/21
75-01-4	Vinyl chloride	0.91	J	25	28.1	109	25	28.9	112	3	69-159/18
108-05-4	Vinyl Acetate	ND		125	113	90	125	115	92	2	43-154/14
	m,p-Xylene	ND		50	47.3	95	50	45.0	90	5	79-126/15
95-47-6	o-Xylene	ND		25	23.4	94	25	22.0	88	6	80-127/14

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA14906
Account: ERMNCR ERM
Project: ECI; 100 Rego Dr, Elon, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA14697-19MS	Z25584.D	1	05/15/14	KW	n/a	n/a	VZ1001
FA14697-19MSD	Z25585.D	1	05/15/14	KW	n/a	n/a	VZ1001
FA14697-19	Z25576.D	1	05/15/14	KW	n/a	n/a	VZ1001

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA14906-1, FA14906-2, FA14906-3, FA14906-4, FA14906-5, FA14906-8

CAS No.	Surrogate Recoveries	MS	MSD	FA14697-19	Limits
1868-53-7	Dibromofluoromethane	99%	101%	102%	83-118%
17060-07-0	1,2-Dichloroethane-D4	109%	107%	110%	79-125%
2037-26-5	Toluene-D8	96%	95%	100%	85-112%
460-00-4	4-Bromofluorobenzene	90%	93%	98%	83-118%

* = Outside of Control Limits.

Southeast ACCUTEST LABORATORIES

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA14906
Account: ERMNCR - ERM
Project: ECI; 100 Rego Dr, Elon, NC

QC Batch ID: MP27261
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 05/15/14

Metal	RL	IDL	MDL	MB raw	final
Aluminum	10	.75	1.6		
Antimony	1.0	.1	.1	0.040	<1.0
Arsenic	0.50	.1	.1		
Barium	10	.05	.05		
Beryllium	0.25	.025	.025	-0.0050	<0.25
Cadmium	0.20	.025	.025		
Calcium	250	2.5	2.5		
Chromium	0.50	.05	.05		
Cobalt	2.5	.025	.025		
Copper	1.3	.05	.05	-0.015	<1.3
Iron	15	.85	1.3		
Lead	1.0	.055	.08		
Magnesium	250	2.5	2.5		
Manganese	0.75	.025	.025	0.0050	<0.75
Molybdenum	2.5	.025	.03		
Nickel	2.0	.025	.025	0.0	<2.0
Potassium	500	10	10		
Selenium	1.0	.12	.15		
Silver	0.50	.033	.033		
Sodium	500	25	25		
Strontium	0.50	.02	.025		
Thallium	0.50	.075	.075	-0.10	<0.50
Tin	2.5	.035	.035		
Titanium	0.50	.045	.045		
Vanadium	2.5	.025	.025		
Zinc	1.0	.15	.15	0.15	<1.0

Associated samples MP27261: FA14906-6

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA14906
Account: ERMNCR - ERM
Project: ECI; 100 Rego Dr, Elon, NC

QC Batch ID: MP27261
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date:			05/15/14					05/15/14	
Metal	FA14745-26 Original	DUP	RPD	QC Limits	FA14745-26 Original	MS	Spikelot MPFLICP2	% Rec	QC Limits
Aluminum									
Antimony	0.0	0.0	NC	0-20	0.0	8.6	25.7	33.5N(a)	80-120
Arsenic	anr								
Barium	anr								
Beryllium	0.061	0.063	3.2	0-20	0.061	2.8	2.57	106.6	80-120
Cadmium	anr								
Calcium									
Chromium	anr								
Cobalt									
Copper	0.51	0.59	14.5	0-20	0.51	14.0	12.8	105.0	80-120
Iron									
Lead	anr								
Magnesium									
Manganese	3.7	3.9	5.3	0-20	3.7	30.2	25.7	103.2	80-120
Molybdenum									
Nickel	0.92	0.99	7.3	0-20	0.92	27.3	25.7	102.7	80-120
Potassium									
Selenium	anr								
Silver	anr								
Sodium									
Strontium									
Thallium	0.0	0.0	NC	0-20	0.0	99.4	103	96.7	80-120
Tin									
Titanium									
Vanadium									
Zinc	8.4	8.4	0.0	0-20	8.4	34.4	25.7	101.2	80-120

Associated samples MP27261: FA14906-6

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) Spike recovery indicates possible matrix interference and/or sample non-homogeneity.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA14906
Account: ERMNCR - ERM
Project: ECI; 100 Rego Dr, Elon, NC

QC Batch ID: MP27261
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 05/15/14

Metal	FA14745-26 Original	MSD	Spikelot MPFLICP2	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony	0.0	6.2	22.3	27.8N(a)	32.4 (b)	20
Arsenic	anr					
Barium	anr					
Beryllium	0.061	2.4	2.23	104.9	15.4	20
Cadmium	anr					
Calcium						
Chromium	anr					
Cobalt						
Copper	0.51	12.2	11.2	104.8	13.7	20
Iron						
Lead	anr					
Magnesium						
Manganese	3.7	26.6	22.3	102.7	12.7	20
Molybdenum						
Nickel	0.92	23.4	22.3	100.8	15.4	20
Potassium						
Selenium	anr					
Silver	anr					
Sodium						
Strontium						
Thallium	0.0	85.3	89.2	95.6	15.3	20
Tin						
Titanium						
Vanadium						
Zinc	8.4	30.7	22.3	100.0	11.4	20

Associated samples MP27261: FA14906-6

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) Spike recovery indicates possible matrix interference and/or sample non-homogeneity.
(b) High RPD due to possible sample non-homogeneity.

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA14906
Account: ERMNCR - ERM
Project: ECI; 100 Rego Dr, Elon, NC

QC Batch ID: MP27261
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 05/15/14

Metal	BSP Result	Spikelot MPFLICP2	% Rec	QC Limits
Aluminum				
Antimony	25.5	25	102.0	80-120
Arsenic	anr			
Barium	anr			
Beryllium	2.8	2.5	112.0	80-120
Cadmium	anr			
Calcium				
Chromium	anr			
Cobalt				
Copper	13.6	12.5	108.8	80-120
Iron				
Lead	anr			
Magnesium				
Manganese	27.3	25	109.2	80-120
Molybdenum				
Nickel	27.6	25	110.4	80-120
Potassium				
Selenium	anr			
Silver	anr			
Sodium				
Strontium				
Thallium	99.9	100	99.9	80-120
Tin				
Titanium				
Vanadium				
Zinc	27.2	25	108.8	80-120

Associated samples MP27261: FA14906-6

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA14906
Account: ERMNCR - ERM
Project: ECI; 100 Rego Dr, Elon, NC

QC Batch ID: MP27261
Matrix Type: SOLID

Methods: SW846 6010C
Units: ug/l

Prep Date: 05/15/14

Metal	FA14745-26 Original	SDL 1:5	%DIF	QC Limits
Aluminum				
Antimony	0.00	0.00	NC	0-10
Arsenic	anr			
Barium	anr			
Beryllium	1.10	0.00	100.0(a)	0-10
Cadmium	anr			
Calcium				
Chromium	anr			
Cobalt				
Copper	9.20	10.1	9.8	0-10
Iron				
Lead	anr			
Magnesium				
Manganese	65.4	68.6	4.9	0-10
Molybdenum				
Nickel	16.4	15.4	6.1	0-10
Potassium				
Selenium	anr			
Silver	anr			
Sodium				
Strontium				
Thallium	0.00	0.00	NC	0-10
Tin				
Titanium				
Vanadium				
Zinc	150	161	7.1	0-10

Associated samples MP27261: FA14906-6

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

POST DIGESTATE SPIKE SUMMARY

Login Number: FA14906
Account: ERMNCR - ERM
Project: ECI; 100 Rego Dr, Elon, NC

QC Batch ID: MP27261
Matrix Type: SOLID

Methods: SW846 6010C
Units: ug/l

Prep Date: 05/15/14

Metal	Sample ml	Final ml	FA14745-26 Raw	Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum										
Antimony	9.8	10			96.1	0.2	5	100	96.1	80-120
Arsenic										
Barium										
Beryllium	9.8	10	1.1	1.078	54.3	0.2	2.5	50	106.4	80-120
Cadmium										
Calcium										
Chromium										
Cobalt										
Copper	9.8	10	9.2	9.016	112.2	0.2	5	100	103.2	80-120
Iron										
Lead										
Magnesium										
Manganese	9.8	10	65.4	64.092	117	0.2	2.5	50	105.8	80-120
Molybdenum										
Nickel	9.8	10	16.4	16.072	120.1	0.2	5	100	104.0	80-120
Potassium										
Selenium										
Silver										
Sodium										
Strontium										
Thallium	9.8	10			97.7	0.2	5	100	97.7	80-120
Tin										
Titanium										
Vanadium										
Zinc	9.8	10	150.3	147.294	400.1	0.2	12.5	250	101.1	80-120

Associated samples MP27261: FA14906-6

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(**) Corr. sample result = Raw * (sample volume / final volume)
(anr) Analyte not requested

Southeast ACCUTEST LABORATORIES

08/12/14

Technical Report for

ERM

ECI; 100 Rego Dr, Elon, NC

Accutest Job Number: FA15149

Sampling Dates: 05/19/14 - 05/20/14

Report to:

ERM

Robert.Laumann@erm.com

ATTN: Robert Laumann

Total number of pages in report: **93**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Norm Farmer
Technical Director

Client Service contact: Jean Dent-Smith 407-425-6700

Certifications: FL (E83510), LA (03051), KS (E-10327), IA (366), IL (200063), NC (573), NJ (FL002), SC (96038001) DoD ELAP (L-A-B L2229), CA (04226CA), TX (T104704404), PA (68-03573), VA (460177), AK, AR, GA, KY, MA, NV, OK, UT, WA

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Accutest LabLink@153230 11:48 12-Aug-2014

Sample Summary

ERM

ECI; 100 Rego Dr, Elon, NC

Job No: FA15149

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
FA15149-1	05/20/14	09:25	RMTF	05/21/14	AQ	Ground Water	MW-1
FA15149-2	05/19/14	15:50	RMTF	05/21/14	AQ	Ground Water	DW-2
FA15149-3	05/19/14	17:05	RMTF	05/21/14	AQ	Ground Water	MW-2
FA15149-4	05/20/14	11:40	RMTF	05/21/14	AQ	Ground Water	MW-3
FA15149-5	05/20/14	10:50	RMTF	05/21/14	AQ	Ground Water	MW-4
FA15149-6	05/20/14	12:20	RMTF	05/21/14	AQ	Ground Water	MW-5
FA15149-7	05/19/14	17:00	RMTF	05/21/14	AQ	Ground Water	MW-6
FA15149-8	05/20/14	14:45	RMTF	05/21/14	AQ	Ground Water	MW-10
FA15149-9	05/20/14	00:00	RMTF	05/21/14	AQ	Ground Water	DUP-1
FA15149-10	05/20/14	15:10	RMTF	05/21/14	AQ	Ground Water	MW-12
FA15149-11	05/19/14	15:40	RMTF	05/21/14	AQ	Ground Water	MW-13
FA15149-12	05/19/14	00:00	RMTF	05/21/14	AQ	Trip Blank Water	TRIP BLANK

Summary of Hits

Job Number: FA15149
Account: ERM
Project: ECI; 100 Rego Dr, Elon, NC
Collected: 05/19/14 thru 05/20/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FA15149-1	**MW-1**					
Copper		4.9 B	25	1.0	ug/l	SW846 6010C
Manganese		117	15	1.0	ug/l	SW846 6010C
Nickel		1.4 B	40	0.50	ug/l	SW846 6010C
Zinc		22.3	20	3.0	ug/l	SW846 6010C
Nitrogen, Nitrate		0.34	0.10	0.050	mg/l	EPA 300/SW846 9056A
Sulfate		1.0 B	2.0	0.60	mg/l	EPA 300/SW846 9056A
Total Organic Carbon		0.23 B	1.0	0.23	mg/l	SM5310 B-11/SW9060A
FA15149-2	**DW-2**					
Ethylbenzene		0.37 J	1.0	0.28	ug/l	SW846 8260B
Tetrachloroethylene		0.56 J	1.0	0.26	ug/l	SW846 8260B
Toluene		0.22 J	1.0	0.20	ug/l	SW846 8260B
Trichloroethylene		49.7	1.0	0.30	ug/l	SW846 8260B
m,p-Xylene		1.1 J	2.0	0.48	ug/l	SW846 8260B
o-Xylene		0.34 J	1.0	0.20	ug/l	SW846 8260B
FA15149-3	**MW-2**					
Total TIC, Volatile		32 J			ug/l	
FA15149-4	**MW-3**					
Total TIC, Volatile		36 J			ug/l	
Iron		6980	300	17	ug/l	SW846 6010C
Manganese		89.5	15	1.0	ug/l	SW846 6010C
Nitrogen, Nitrate		0.11	0.10	0.050	mg/l	EPA 300/SW846 9056A
Sulfate		1.1 B	2.0	0.60	mg/l	EPA 300/SW846 9056A
FA15149-5	**MW-4**					
Chloroform		8.4	1.0	0.31	ug/l	SW846 8260B
Total TIC, Volatile		29 J			ug/l	
Nitrogen, Nitrate		0.17	0.10	0.050	mg/l	EPA 300/SW846 9056A
Sulfate		11.3	2.0	0.60	mg/l	EPA 300/SW846 9056A
Total Organic Carbon		0.31 B	1.0	0.23	mg/l	SM5310 B-11/SW9060A
FA15149-6	**MW-5**					
1,4-Dioxane		0.47 J	1.0	0.30	ug/l	SW846 8260B BY SIM
Total TIC, Volatile		38 J			ug/l	
Copper		6.6 B	25	1.0	ug/l	SW846 6010C
Manganese		45.0	15	1.0	ug/l	SW846 6010C

Summary of Hits

Job Number: FA15149
Account: ERM
Project: ECI; 100 Rego Dr, Elon, NC
Collected: 05/19/14 thru 05/20/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Nickel		4.7 B	40	0.50	ug/l	SW846 6010C
Zinc		33.3	20	3.0	ug/l	SW846 6010C
FA15149-7	**MW-6**					
No hits reported in this sample.						
FA15149-8	**MW-10**					
Trichloroethylene		9.5	1.0	0.30	ug/l	SW846 8260B
m,p-Xylene		0.51 J	2.0	0.48	ug/l	SW846 8260B
o-Xylene		0.25 J	1.0	0.20	ug/l	SW846 8260B
1,4-Dioxane		0.44 J	1.0	0.30	ug/l	SW846 8260B BY SIM
Total TIC, Volatile		44 J			ug/l	
Copper		3.7 B	25	1.0	ug/l	SW846 6010C
Iron		2540	300	17	ug/l	SW846 6010C
Manganese		24.1	15	1.0	ug/l	SW846 6010C
Nickel		3.2 B	40	0.50	ug/l	SW846 6010C
Zinc		26.9	20	3.0	ug/l	SW846 6010C
Nitrogen, Nitrate		0.78	0.10	0.050	mg/l	EPA 300/SW846 9056A
Total Organic Carbon		0.28 B	1.0	0.23	mg/l	SM5310 B-11/SW9060A
FA15149-9	**DUP-1**					
Trichloroethylene		9.5	1.0	0.30	ug/l	SW846 8260B
1,4-Dioxane		0.39 J	1.0	0.30	ug/l	SW846 8260B BY SIM
Copper		4.2 B	25	1.0	ug/l	SW846 6010C
Manganese		28.8	15	1.0	ug/l	SW846 6010C
Nickel		3.6 B	40	0.50	ug/l	SW846 6010C
Zinc		29.7	20	3.0	ug/l	SW846 6010C
FA15149-10	**MW-12**					
Total TIC, Volatile		56 J			ug/l	
FA15149-11	**MW-13**					
No hits reported in this sample.						
FA15149-12	**TRIP BLANK**					
Total TIC, Volatile		113 J			ug/l	

Southeast ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	MW-1		
Lab Sample ID:	FA15149-1	**Date Sampled:**	05/20/14
Matrix:	AQ - Ground Water	**Date Received:**	05/21/14
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z25738.D	1	05/21/14	KW	n/a	n/a	VZ1006
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	1.0	0.30	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	102%		74-125%
2037-26-5	Toluene-D8	101%		88-111%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-1		
Lab Sample ID:	FA15149-1	**Date Sampled:**	05/20/14
Matrix:	AQ - Ground Water	**Date Received:**	05/21/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M74734.D	1	05/30/14	RB	n/a	n/a	VM3156
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	11	ug/l	
107-02-8	Acrolein [a]	ND	20	6.4	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.24	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.31	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.38	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.26	ug/l	
75-25-2	Bromoform	ND	1.0	0.38	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.30	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.27	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.31	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.23	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.29	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.40	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.25	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.78	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.24	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.24	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.36	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.34	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.33	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.36	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.33	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-1		
Lab Sample ID:	FA15149-1	**Date Sampled:**	05/20/14
Matrix:	AQ - Ground Water	**Date Received:**	05/21/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.29	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.34	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.28	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.24	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.53	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.29	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	1.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.24	ug/l	
100-42-5	Styrene	ND	1.0	0.23	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.34	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.27	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.32	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.57	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.24	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.26	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.30	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.33	ug/l	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
	m,p-Xylene	ND	2.0	0.48	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-1		
Lab Sample ID:	FA15149-1	**Date Sampled:**	05/20/14
Matrix:	AQ - Ground Water	**Date Received:**	05/21/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		83-118%
17060-07-0	1,2-Dichloroethane-D4	107%		79-125%
2037-26-5	Toluene-D8	102%		85-112%
460-00-4	4-Bromofluorobenzene	95%		83-118%

CAS No.	Tentatively Identified Compounds [b]	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

(a) Associated BS recovery outside control limits.
(b) No TICs detected.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-1		
Lab Sample ID:	FA15149-1	**Date Sampled:**	05/20/14
Matrix:	AQ - Ground Water	**Date Received:**	05/21/14
		Percent Solids:	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Antimony	2.3 U	6.0	2.3	ug/l	1	05/28/14	05/28/14	LM	SW846 6010C [1]	SW846 3010A [2]
Beryllium	0.50 U	4.0	0.50	ug/l	1	05/28/14	05/28/14	LM	SW846 6010C [1]	SW846 3010A [2]
Copper	4.9 B	25	1.0	ug/l	1	05/28/14	05/28/14	LM	SW846 6010C [1]	SW846 3010A [2]
Iron	17 U	300	17	ug/l	1	05/28/14	05/28/14	LM	SW846 6010C [1]	SW846 3010A [2]
Manganese	117	15	1.0	ug/l	1	05/28/14	05/28/14	LM	SW846 6010C [1]	SW846 3010A [2]
Nickel	1.4 B	40	0.50	ug/l	1	05/28/14	05/28/14	LM	SW846 6010C [1]	SW846 3010A [2]
Thallium	2.0 U	10	2.0	ug/l	1	05/28/14	05/28/14	LM	SW846 6010C [1]	SW846 3010A [2]
Zinc	22.3	20	3.0	ug/l	1	05/28/14	05/28/14	LM	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA11628
(2) Prep QC Batch: MP27307

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	MW-1		
Lab Sample ID:	FA15149-1	**Date Sampled:**	05/20/14
Matrix:	AQ - Ground Water	**Date Received:**	05/21/14
		Percent Solids:	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Nitrogen, Nitrate	0.34	0.10	0.050	mg/l	1	05/21/14 16:53	CH	EPA 300/SW846 9056A
Nitrogen, Nitrite	0.050 U	0.10	0.050	mg/l	1	05/21/14 16:53	CH	EPA 300/SW846 9056A
Sulfate	1.0 B	2.0	0.60	mg/l	1	05/21/14 16:53	CH	EPA 300/SW846 9056A
Sulfite [a]	1.5 U	3.0	1.5	mg/l	1	05/23/14 10:11	LE	SM4500SO3 B-11
Total Organic Carbon	0.23 B	1.0	0.23	mg/l	1	05/21/14 20:28	FN	SM5310 B-11/SW9060A

(a) Field analysis required. Received out of hold time and analyzed by request.

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	DW-2		
Lab Sample ID:	FA15149-2	**Date Sampled:**	05/19/14
Matrix:	AQ - Ground Water	**Date Received:**	05/21/14
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z25739.D	1	05/21/14	KW	n/a	n/a	VZ1006
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	1.0	0.30	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	102%		74-125%
2037-26-5	Toluene-D8	100%		88-111%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DW-2		
Lab Sample ID:	FA15149-2	**Date Sampled:**	05/19/14
Matrix:	AQ - Ground Water	**Date Received:**	05/21/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M74735.D	1	05/30/14	RB	n/a	n/a	VM3156
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	11	ug/l	
107-02-8	Acrolein [a]	ND	20	6.4	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.24	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.31	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.38	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.26	ug/l	
75-25-2	Bromoform	ND	1.0	0.38	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.30	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.27	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.31	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.23	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.29	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.40	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.25	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.78	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.24	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.24	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.36	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.34	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.33	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.36	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.33	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DW-2		
Lab Sample ID:	FA15149-2	**Date Sampled:**	05/19/14
Matrix:	AQ - Ground Water	**Date Received:**	05/21/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.29	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.34	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	0.37	1.0	0.28	ug/l	J
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.24	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.53	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.29	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	1.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.24	ug/l	
100-42-5	Styrene	ND	1.0	0.23	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.34	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.27	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.32	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.57	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.24	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	0.56	1.0	0.26	ug/l	J
108-88-3	Toluene	0.22	1.0	0.20	ug/l	J
79-01-6	Trichloroethylene	49.7	1.0	0.30	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.33	ug/l	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
	m,p-Xylene	1.1	2.0	0.48	ug/l	J
95-47-6	o-Xylene	0.34	1.0	0.20	ug/l	J

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DW-2		
Lab Sample ID:	FA15149-2	**Date Sampled:**	05/19/14
Matrix:	AQ - Ground Water	**Date Received:**	05/21/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		83-118%
17060-07-0	1,2-Dichloroethane-D4	105%		79-125%
2037-26-5	Toluene-D8	98%		85-112%
460-00-4	4-Bromofluorobenzene	97%		83-118%

CAS No.	Tentatively Identified Compounds [b]	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

(a) Associated BS recovery outside control limits.
(b) No TICs detected.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-2		
Lab Sample ID:	FA15149-3	**Date Sampled:**	05/19/14
Matrix:	AQ - Ground Water	**Date Received:**	05/21/14
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z25740.D	1	05/21/14	KW	n/a	n/a	VZ1006
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	1.0	0.30	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	102%		74-125%
2037-26-5	Toluene-D8	101%		88-111%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-2		
Lab Sample ID:	FA15149-3	**Date Sampled:**	05/19/14
Matrix:	AQ - Ground Water	**Date Received:**	05/21/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M74736.D	1	05/30/14	RB	n/a	n/a	VM3156
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	11	ug/l	
107-02-8	Acrolein [a]	ND	20	6.4	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.24	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.31	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.38	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.26	ug/l	
75-25-2	Bromoform	ND	1.0	0.38	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.30	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.27	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.31	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.23	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.29	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.40	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.25	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.78	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.24	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.24	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.36	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.34	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.33	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.36	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.33	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-2		
Lab Sample ID:	FA15149-3	**Date Sampled:**	05/19/14
Matrix:	AQ - Ground Water	**Date Received:**	05/21/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.29	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.34	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.28	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.24	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.53	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.29	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	1.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.24	ug/l	
100-42-5	Styrene	ND	1.0	0.23	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.34	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.27	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.32	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.57	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.24	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.26	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.30	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.33	ug/l	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
	m,p-Xylene	ND	2.0	0.48	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-2		
Lab Sample ID:	FA15149-3	**Date Sampled:**	05/19/14
Matrix:	AQ - Ground Water	**Date Received:**	05/21/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	108%		83-118%
17060-07-0	1,2-Dichloroethane-D4	105%		79-125%
2037-26-5	Toluene-D8	99%		85-112%
460-00-4	4-Bromofluorobenzene	100%		83-118%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
62-55-5	Ethanethioamide	5.81	32	ug/l	JN
	Total TIC, Volatile		32	ug/l	J

(a) Associated BS recovery outside control limits.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-3		
Lab Sample ID:	FA15149-4	**Date Sampled:**	05/20/14
Matrix:	AQ - Ground Water	**Date Received:**	05/21/14
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z25741.D	1	05/21/14	KW	n/a	n/a	VZ1006
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	1.0	0.30	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	102%		74-125%
2037-26-5	Toluene-D8	100%		88-111%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-3		
Lab Sample ID:	FA15149-4	**Date Sampled:**	05/20/14
Matrix:	AQ - Ground Water	**Date Received:**	05/21/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M74737.D	1	05/30/14	RB	n/a	n/a	VM3156
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	11	ug/l	
107-02-8	Acrolein [a]	ND	20	6.4	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.24	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.31	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.38	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.26	ug/l	
75-25-2	Bromoform	ND	1.0	0.38	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.30	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.27	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.31	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.23	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.29	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.40	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.25	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.78	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.24	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.24	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.36	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.34	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.33	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.36	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.33	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-3		
Lab Sample ID:	FA15149-4	**Date Sampled:**	05/20/14
Matrix:	AQ - Ground Water	**Date Received:**	05/21/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.29	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.34	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.28	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.24	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.53	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.29	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	1.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.24	ug/l	
100-42-5	Styrene	ND	1.0	0.23	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.34	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.27	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.32	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.57	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.24	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.26	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.30	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.33	ug/l	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
	m,p-Xylene	ND	2.0	0.48	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-3		
Lab Sample ID:	FA15149-4	**Date Sampled:**	05/20/14
Matrix:	AQ - Ground Water	**Date Received:**	05/21/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		83-118%
17060-07-0	1,2-Dichloroethane-D4	103%		79-125%
2037-26-5	Toluene-D8	100%		85-112%
460-00-4	4-Bromofluorobenzene	99%		83-118%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
764-48-7	Ethanol, 2-(ethenyloxy)-	4.24	36	ug/l	JN
	Total TIC, Volatile		36	ug/l	J

(a) Associated BS recovery outside control limits.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-3		
Lab Sample ID:	FA15149-4	**Date Sampled:**	05/20/14
Matrix:	AQ - Ground Water	**Date Received:**	05/21/14
		Percent Solids:	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Iron	6980	300	17	ug/l	1	05/28/14	05/28/14	LM	SW846 6010C [1]	SW846 3010A [2]
Manganese	89.5	15	1.0	ug/l	1	05/28/14	05/28/14	LM	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA11628
(2) Prep QC Batch: MP27307

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	MW-3		
Lab Sample ID:	FA15149-4	**Date Sampled:**	05/20/14
Matrix:	AQ - Ground Water	**Date Received:**	05/21/14
		Percent Solids:	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Nitrogen, Nitrate	0.11	0.10	0.050	mg/l	1	05/21/14 17:10	CH	EPA 300/SW846 9056A
Nitrogen, Nitrite	0.050 U	0.10	0.050	mg/l	1	05/21/14 17:10	CH	EPA 300/SW846 9056A
Sulfate	1.1 B	2.0	0.60	mg/l	1	05/21/14 17:10	CH	EPA 300/SW846 9056A
Sulfite [a]	1.5 U	3.0	1.5	mg/l	1	05/23/14 10:11	LE	SM4500SO3 B-11
Total Organic Carbon	0.23 U	1.0	0.23	mg/l	1	05/21/14 21:11	FN	SM5310 B-11/SW9060A

(a) Field analysis required. Received out of hold time and analyzed by request.

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	MW-4		
Lab Sample ID:	FA15149-5	**Date Sampled:**	05/20/14
Matrix:	AQ - Ground Water	**Date Received:**	05/21/14
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z25742.D	1	05/21/14	KW	n/a	n/a	VZ1006
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	1.0	0.30	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	102%		74-125%
2037-26-5	Toluene-D8	99%		88-111%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-4		
Lab Sample ID:	FA15149-5	**Date Sampled:**	05/20/14
Matrix:	AQ - Ground Water	**Date Received:**	05/21/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M74738.D	1	05/30/14	RB	n/a	n/a	VM3156
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	11	ug/l	
107-02-8	Acrolein [a]	ND	20	6.4	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.24	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.31	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.38	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.26	ug/l	
75-25-2	Bromoform	ND	1.0	0.38	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.30	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.27	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	8.4	1.0	0.31	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.23	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.29	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.40	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.25	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.78	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.24	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.24	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.36	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.34	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.33	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.36	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.33	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-4		
Lab Sample ID:	FA15149-5	**Date Sampled:**	05/20/14
Matrix:	AQ - Ground Water	**Date Received:**	05/21/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.29	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.34	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.28	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.24	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.53	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.29	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	1.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.24	ug/l	
100-42-5	Styrene	ND	1.0	0.23	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.34	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.27	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.32	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.57	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.24	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.26	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.30	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.33	ug/l	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
	m,p-Xylene	ND	2.0	0.48	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-4		
Lab Sample ID:	FA15149-5	**Date Sampled:**	05/20/14
Matrix:	AQ - Ground Water	**Date Received:**	05/21/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		83-118%
17060-07-0	1,2-Dichloroethane-D4	104%		79-125%
2037-26-5	Toluene-D8	101%		85-112%
460-00-4	4-Bromofluorobenzene	96%		83-118%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
992-94-9	Silane, methyl-	4.69	29	ug/l	JN
	Total TIC, Volatile		29	ug/l	J

(a) Associated BS recovery outside control limits.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-4		
Lab Sample ID:	FA15149-5	**Date Sampled:**	05/20/14
Matrix:	AQ - Ground Water	**Date Received:**	05/21/14
		Percent Solids:	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Iron	17 U	300	17	ug/l	1	05/28/14	05/28/14	LM	SW846 6010C [1]	SW846 3010A [2]
Manganese	1.0 U	15	1.0	ug/l	1	05/28/14	05/28/14	LM	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA11628
(2) Prep QC Batch: MP27307

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	MW-4		
Lab Sample ID:	FA15149-5	**Date Sampled:**	05/20/14
Matrix:	AQ - Ground Water	**Date Received:**	05/21/14
		Percent Solids:	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Nitrogen, Nitrate	0.17	0.10	0.050	mg/l	1	05/21/14 17:27	CH	EPA 300/SW846 9056A
Nitrogen, Nitrite	0.050 U	0.10	0.050	mg/l	1	05/21/14 17:27	CH	EPA 300/SW846 9056A
Sulfate	11.3	2.0	0.60	mg/l	1	05/21/14 17:27	CH	EPA 300/SW846 9056A
Sulfite [a]	1.5 U	3.0	1.5	mg/l	1	05/23/14 10:11	LE	SM4500SO3 B-11
Total Organic Carbon	0.31 B	1.0	0.23	mg/l	1	05/21/14 21:25	FN	SM5310 B-11/SW9060A

(a) Field analysis required. Received out of hold time and analyzed by request.

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	MW-5		
Lab Sample ID:	FA15149-6	**Date Sampled:**	05/20/14
Matrix:	AQ - Ground Water	**Date Received:**	05/21/14
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z25743.D	1	05/21/14	KW	n/a	n/a	VZ1006
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	0.47	1.0	0.30	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	103%		74-125%
2037-26-5	Toluene-D8	100%		88-111%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-5		
Lab Sample ID:	FA15149-6	**Date Sampled:**	05/20/14
Matrix:	AQ - Ground Water	**Date Received:**	05/21/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M74739.D	1	05/30/14	RB	n/a	n/a	VM3156
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	11	ug/l	
107-02-8	Acrolein [a]	ND	20	6.4	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.24	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.31	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.38	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.26	ug/l	
75-25-2	Bromoform	ND	1.0	0.38	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.30	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.27	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.31	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.23	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.29	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.40	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.25	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.78	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.24	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.24	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.36	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.34	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.33	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.36	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.33	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-5		
Lab Sample ID:	FA15149-6	**Date Sampled:**	05/20/14
Matrix:	AQ - Ground Water	**Date Received:**	05/21/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.29	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.34	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.28	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.24	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.53	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.29	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	1.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.24	ug/l	
100-42-5	Styrene	ND	1.0	0.23	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.34	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.27	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.32	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.57	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.24	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.26	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.30	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.33	ug/l	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
	m,p-Xylene	ND	2.0	0.48	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-5		
Lab Sample ID:	FA15149-6	**Date Sampled:**	05/20/14
Matrix:	AQ - Ground Water	**Date Received:**	05/21/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		83-118%
17060-07-0	1,2-Dichloroethane-D4	107%		79-125%
2037-26-5	Toluene-D8	101%		85-112%
460-00-4	4-Bromofluorobenzene	101%		83-118%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
2345-38-2	Acetic acid, (trimethylsilyl)-	5.81	38	ug/l	JN
	Total TIC, Volatile		38	ug/l	J

(a) Associated BS recovery outside control limits.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-5		
Lab Sample ID:	FA15149-6	**Date Sampled:**	05/20/14
Matrix:	AQ - Ground Water	**Date Received:**	05/21/14
		Percent Solids:	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Antimony	2.3 U	6.0	2.3	ug/l	1	05/28/14	05/28/14	LM	SW846 6010C [1]	SW846 3010A [2]
Beryllium	0.50 U	4.0	0.50	ug/l	1	05/28/14	05/28/14	LM	SW846 6010C [1]	SW846 3010A [2]
Copper	6.6 B	25	1.0	ug/l	1	05/28/14	05/28/14	LM	SW846 6010C [1]	SW846 3010A [2]
Manganese	45.0	15	1.0	ug/l	1	05/28/14	05/28/14	LM	SW846 6010C [1]	SW846 3010A [2]
Nickel	4.7 B	40	0.50	ug/l	1	05/28/14	05/28/14	LM	SW846 6010C [1]	SW846 3010A [2]
Thallium	2.0 U	10	2.0	ug/l	1	05/28/14	05/28/14	LM	SW846 6010C [1]	SW846 3010A [2]
Zinc	33.3	20	3.0	ug/l	1	05/28/14	05/28/14	LM	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA11628
(2) Prep QC Batch: MP27307

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	MW-6		
Lab Sample ID:	FA15149-7	**Date Sampled:**	05/19/14
Matrix:	AQ - Ground Water	**Date Received:**	05/21/14
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z25744.D	1	05/21/14	KW	n/a	n/a	VZ1006
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	1.0	0.30	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	103%		74-125%
2037-26-5	Toluene-D8	99%		88-111%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-6		
Lab Sample ID:	FA15149-7	**Date Sampled:**	05/19/14
Matrix:	AQ - Ground Water	**Date Received:**	05/21/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M74740.D	1	05/30/14	RB	n/a	n/a	VM3156
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	11	ug/l	
107-02-8	Acrolein [a]	ND	20	6.4	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.24	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.31	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.38	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.26	ug/l	
75-25-2	Bromoform	ND	1.0	0.38	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.30	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.27	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.31	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.23	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.29	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.40	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.25	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.78	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.24	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.24	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.36	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.34	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.33	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.36	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.33	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-6		
Lab Sample ID:	FA15149-7	**Date Sampled:**	05/19/14
Matrix:	AQ - Ground Water	**Date Received:**	05/21/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.29	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.34	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.28	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.24	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.53	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.29	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	1.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.24	ug/l	
100-42-5	Styrene	ND	1.0	0.23	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.34	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.27	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.32	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.57	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.24	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.26	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.30	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.33	ug/l	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
	m,p-Xylene	ND	2.0	0.48	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-6		
Lab Sample ID:	FA15149-7	**Date Sampled:**	05/19/14
Matrix:	AQ - Ground Water	**Date Received:**	05/21/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		83-118%
17060-07-0	1,2-Dichloroethane-D4	108%		79-125%
2037-26-5	Toluene-D8	98%		85-112%
460-00-4	4-Bromofluorobenzene	97%		83-118%

CAS No.	Tentatively Identified Compounds [b]	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

(a) Associated BS recovery outside control limits.
(b) No TICs detected.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-10		
Lab Sample ID:	FA15149-8	**Date Sampled:**	05/20/14
Matrix:	AQ - Ground Water	**Date Received:**	05/21/14
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z25747.D	1	05/21/14	KW	n/a	n/a	VZ1006
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	0.44	1.0	0.30	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	103%		74-125%
2037-26-5	Toluene-D8	98%		88-111%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-10		
Lab Sample ID:	FA15149-8	**Date Sampled:**	05/20/14
Matrix:	AQ - Ground Water	**Date Received:**	05/21/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M74741.D	1	05/30/14	RB	n/a	n/a	VM3156
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	11	ug/l	
107-02-8	Acrolein [a]	ND	20	6.4	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.24	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.31	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.38	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.26	ug/l	
75-25-2	Bromoform	ND	1.0	0.38	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.30	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.27	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.31	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.23	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.29	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.40	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.25	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.78	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.24	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.24	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.36	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.34	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.33	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.36	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.33	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-10		
Lab Sample ID:	FA15149-8	**Date Sampled:**	05/20/14
Matrix:	AQ - Ground Water	**Date Received:**	05/21/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.29	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.34	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.28	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.24	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.53	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.29	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	1.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.24	ug/l	
100-42-5	Styrene	ND	1.0	0.23	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.34	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.27	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.32	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.57	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.24	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.26	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	9.5	1.0	0.30	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.33	ug/l	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
	m,p-Xylene	0.51	2.0	0.48	ug/l	J
95-47-6	o-Xylene	0.25	1.0	0.20	ug/l	J

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-10		
Lab Sample ID:	FA15149-8	**Date Sampled:**	05/20/14
Matrix:	AQ - Ground Water	**Date Received:**	05/21/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		83-118%
17060-07-0	1,2-Dichloroethane-D4	106%		79-125%
2037-26-5	Toluene-D8	100%		85-112%
460-00-4	4-Bromofluorobenzene	98%		83-118%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
1000226-68-3	2-Bromoethyl methyl sulfide	5.80	44	ug/l	JN
	Total TIC, Volatile		44	ug/l	J

(a) Associated BS recovery outside control limits.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-10		
Lab Sample ID:	FA15149-8	**Date Sampled:**	05/20/14
Matrix:	AQ - Ground Water	**Date Received:**	05/21/14
		Percent Solids:	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Antimony	2.3 U	6.0	2.3	ug/l	1	05/28/14	05/28/14	LM	SW846 6010C [1]	SW846 3010A [2]
Beryllium	0.50 U	4.0	0.50	ug/l	1	05/28/14	05/28/14	LM	SW846 6010C [1]	SW846 3010A [2]
Copper	3.7 B	25	1.0	ug/l	1	05/28/14	05/28/14	LM	SW846 6010C [1]	SW846 3010A [2]
Iron	2540	300	17	ug/l	1	05/28/14	05/28/14	LM	SW846 6010C [1]	SW846 3010A [2]
Manganese	24.1	15	1.0	ug/l	1	05/28/14	05/28/14	LM	SW846 6010C [1]	SW846 3010A [2]
Nickel	3.2 B	40	0.50	ug/l	1	05/28/14	05/28/14	LM	SW846 6010C [1]	SW846 3010A [2]
Thallium	2.0 U	10	2.0	ug/l	1	05/28/14	05/28/14	LM	SW846 6010C [1]	SW846 3010A [2]
Zinc	26.9	20	3.0	ug/l	1	05/28/14	05/28/14	LM	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA11628
(2) Prep QC Batch: MP27307

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	MW-10		
Lab Sample ID:	FA15149-8	**Date Sampled:**	05/20/14
Matrix:	AQ - Ground Water	**Date Received:**	05/21/14
		Percent Solids:	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Nitrogen, Nitrate	0.78	0.10	0.050	mg/l	1	05/21/14 17:44	CH	EPA 300/SW846 9056A
Nitrogen, Nitrite	0.050 U	0.10	0.050	mg/l	1	05/21/14 17:44	CH	EPA 300/SW846 9056A
Sulfate	0.60 U	2.0	0.60	mg/l	1	05/21/14 17:44	CH	EPA 300/SW846 9056A
Sulfite [a]	1.5 U	3.0	1.5	mg/l	1	05/23/14 10:11	LE	SM4500SO3 B-11
Total Organic Carbon	0.28 B	1.0	0.23	mg/l	1	05/21/14 21:40	FN	SM5310 B-11/SW9060A

(a) Field analysis required. Received out of hold time and analyzed by request.

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	DUP-1		
Lab Sample ID:	FA15149-9	**Date Sampled:**	05/20/14
Matrix:	AQ - Ground Water	**Date Received:**	05/21/14
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z25748.D	1	05/21/14	KW	n/a	n/a	VZ1006
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	0.39	1.0	0.30	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	103%		74-125%
2037-26-5	Toluene-D8	98%		88-111%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP-1		
Lab Sample ID:	FA15149-9	**Date Sampled:**	05/20/14
Matrix:	AQ - Ground Water	**Date Received:**	05/21/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M74742.D	1	05/30/14	RB	n/a	n/a	VM3156
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	11	ug/l	
107-02-8	Acrolein [a]	ND	20	6.4	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.24	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.31	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.38	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.26	ug/l	
75-25-2	Bromoform	ND	1.0	0.38	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.30	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.27	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.31	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.23	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.29	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.40	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.25	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.78	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.24	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.24	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.36	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.34	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.33	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.36	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.33	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP-1		
Lab Sample ID:	FA15149-9	**Date Sampled:**	05/20/14
Matrix:	AQ - Ground Water	**Date Received:**	05/21/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.29	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.34	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.28	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.24	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.53	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.29	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	1.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.24	ug/l	
100-42-5	Styrene	ND	1.0	0.23	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.34	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.27	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.32	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.57	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.24	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.26	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	9.5	1.0	0.30	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.33	ug/l	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
	m,p-Xylene	ND	2.0	0.48	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP-1		
Lab Sample ID:	FA15149-9	**Date Sampled:**	05/20/14
Matrix:	AQ - Ground Water	**Date Received:**	05/21/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		83-118%
17060-07-0	1,2-Dichloroethane-D4	107%		79-125%
2037-26-5	Toluene-D8	100%		85-112%
460-00-4	4-Bromofluorobenzene	98%		83-118%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

(a) Associated BS recovery outside control limits.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP-1		
Lab Sample ID:	FA15149-9	**Date Sampled:**	05/20/14
Matrix:	AQ - Ground Water	**Date Received:**	05/21/14
		Percent Solids:	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Antimony	2.3 U	6.0	2.3	ug/l	1	05/28/14	05/28/14	LM	SW846 6010C [1]	SW846 3010A [2]
Beryllium	0.50 U	4.0	0.50	ug/l	1	05/28/14	05/28/14	LM	SW846 6010C [1]	SW846 3010A [2]
Copper	4.2 B	25	1.0	ug/l	1	05/28/14	05/28/14	LM	SW846 6010C [1]	SW846 3010A [2]
Manganese	28.8	15	1.0	ug/l	1	05/28/14	05/28/14	LM	SW846 6010C [1]	SW846 3010A [2]
Nickel	3.6 B	40	0.50	ug/l	1	05/28/14	05/28/14	LM	SW846 6010C [1]	SW846 3010A [2]
Thallium	2.0 U	10	2.0	ug/l	1	05/28/14	05/28/14	LM	SW846 6010C [1]	SW846 3010A [2]
Zinc	29.7	20	3.0	ug/l	1	05/28/14	05/28/14	LM	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA11628
(2) Prep QC Batch: MP27307

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	MW-12		
Lab Sample ID:	FA15149-10	**Date Sampled:**	05/20/14
Matrix:	AQ - Ground Water	**Date Received:**	05/21/14
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z25745.D	1	05/21/14	KW	n/a	n/a	VZ1006
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	1.0	0.30	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	104%		74-125%
2037-26-5	Toluene-D8	100%		88-111%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-12		
Lab Sample ID:	FA15149-10	**Date Sampled:**	05/20/14
Matrix:	AQ - Ground Water	**Date Received:**	05/21/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M74743.D	1	05/30/14	RB	n/a	n/a	VM3156
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	11	ug/l	
107-02-8	Acrolein [a]	ND	20	6.4	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.24	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.31	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.38	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.26	ug/l	
75-25-2	Bromoform	ND	1.0	0.38	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.30	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.27	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.31	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.23	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.29	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.40	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.25	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.78	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.24	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.24	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.36	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.34	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.33	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.36	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.33	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-12		
Lab Sample ID:	FA15149-10	**Date Sampled:**	05/20/14
Matrix:	AQ - Ground Water	**Date Received:**	05/21/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.29	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.34	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.28	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.24	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.53	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.29	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	1.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.24	ug/l	
100-42-5	Styrene	ND	1.0	0.23	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.34	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.27	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.32	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.57	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.24	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.26	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.30	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.33	ug/l	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
	m,p-Xylene	ND	2.0	0.48	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-12		
Lab Sample ID:	FA15149-10	**Date Sampled:**	05/20/14
Matrix:	AQ - Ground Water	**Date Received:**	05/21/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		83-118%
17060-07-0	1,2-Dichloroethane-D4	108%		79-125%
2037-26-5	Toluene-D8	102%		85-112%
460-00-4	4-Bromofluorobenzene	96%		83-118%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
57502-48-4	Azocine, 1,2,3,4,7,8-hexahydro-	2.97	29	ug/l	JN
1000223-11-5	5-Dimethylaminomethyleneamino-4-methyl	3.19	27	ug/l	JN
	Total TIC, Volatile		56	ug/l	J

(a) Associated BS recovery outside control limits.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-13		
Lab Sample ID:	FA15149-11	**Date Sampled:**	05/19/14
Matrix:	AQ - Ground Water	**Date Received:**	05/21/14
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z25746.D	1	05/21/14	KW	n/a	n/a	VZ1006
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	1.0	0.30	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	103%		74-125%
2037-26-5	Toluene-D8	99%		88-111%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-13		
Lab Sample ID:	FA15149-11	**Date Sampled:**	05/19/14
Matrix:	AQ - Ground Water	**Date Received:**	05/21/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M74744.D	1	05/30/14	RB	n/a	n/a	VM3156
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	11	ug/l	
107-02-8	Acrolein [a]	ND	20	6.4	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.24	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.31	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.38	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.26	ug/l	
75-25-2	Bromoform	ND	1.0	0.38	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.30	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.27	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.31	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.23	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.29	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.40	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.25	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.78	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.24	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.24	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.36	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.34	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.33	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.36	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.33	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-13		
Lab Sample ID:	FA15149-11	**Date Sampled:**	05/19/14
Matrix:	AQ - Ground Water	**Date Received:**	05/21/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.29	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.34	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.28	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.24	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.53	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.29	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	1.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.24	ug/l	
100-42-5	Styrene	ND	1.0	0.23	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.34	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.27	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.32	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.57	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.24	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.26	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.30	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.33	ug/l	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
	m,p-Xylene	ND	2.0	0.48	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-13		
Lab Sample ID:	FA15149-11	**Date Sampled:**	05/19/14
Matrix:	AQ - Ground Water	**Date Received:**	05/21/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		83-118%
17060-07-0	1,2-Dichloroethane-D4	105%		79-125%
2037-26-5	Toluene-D8	98%		85-112%
460-00-4	4-Bromofluorobenzene	96%		83-118%

CAS No.	Tentatively Identified Compounds [b]	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

(a) Associated BS recovery outside control limits.
(b) No TICs detected.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	FA15149-12	**Date Sampled:**	05/19/14
Matrix:	AQ - Trip Blank Water	**Date Received:**	05/21/14
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z25737.D	1	05/21/14	KW	n/a	n/a	VZ1006
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	1.0	0.30	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	102%		74-125%
2037-26-5	Toluene-D8	101%		88-111%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	FA15149-12	**Date Sampled:**	05/19/14
Matrix:	AQ - Trip Blank Water	**Date Received:**	05/21/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M74729.D	1	05/30/14	RB	n/a	n/a	VM3156
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	11	ug/l	
107-02-8	Acrolein [a]	ND	20	6.4	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.24	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.31	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.38	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.26	ug/l	
75-25-2	Bromoform	ND	1.0	0.38	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.30	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.27	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.31	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.23	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.29	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.40	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.25	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.78	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.24	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.24	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.36	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.34	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.33	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.36	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.33	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	FA15149-12	**Date Sampled:**	05/19/14
Matrix:	AQ - Trip Blank Water	**Date Received:**	05/21/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.29	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.34	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.28	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.24	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.53	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.29	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	1.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.24	ug/l	
100-42-5	Styrene	ND	1.0	0.23	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.34	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.27	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.32	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.57	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.24	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.26	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.30	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.33	ug/l	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
	m,p-Xylene	ND	2.0	0.48	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	FA15149-12	**Date Sampled:**	05/19/14
Matrix:	AQ - Trip Blank Water	**Date Received:**	05/21/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		83-118%
17060-07-0	1,2-Dichloroethane-D4	100%		79-125%
2037-26-5	Toluene-D8	100%		85-112%
460-00-4	4-Bromofluorobenzene	96%		83-118%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
632-14-4	Urea, trimethyl-	2.92	32	ug/l	JN
110-70-3	1,2-Ethanediamine, N,N'-dimethyl-	3.26	39	ug/l	JN
74-98-6	Propane	4.26	42	ug/l	JN
	Total TIC, Volatile		113	ug/l	J

(a) Associated BS recovery outside control limits.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Southeast ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

Accutest Laboratories Southeast
Chain of Custody

ACCUTEST LABORATORIES

4405 Vineland Road, Suite C-15 Orlando, Fl 32811
TEL. 407-425-6700 • FAX: 407-425-0707
www.accutest.com

Accutest JOB # FA15149

PAGE 1 OF 1

Accutest Quote #

SKIFF#

Client / Reporting Information

Company Name: ERM NC, Inc
Address: 15720 John J. Delaney Dr Ste 170
City: Charlotte State: NC Zip: 28277
Project Contact: Lane Dorman E-mail: Lane.Dorman@erm.com
Phone#: 919-233-4501
Sampler(s) Name(s) (Printed): Thomas Fisher / Ryan Mayette

Project Information

Project Name: ECI-Elon
Street: 100 Rego Dr
City: Elon, NC State:
Project #:
Fax #:
Client Purchase Order #:

Analytical Information

Accutest Sample #	Field ID / Point of Collection	Collection Date	Time	Sampled By	Matrix	Total # of Bottles	Other	None	HCl	NaOH	HNO3	H2SO4	NaOH+ZnAc	DI Water	MeOH	VOC 8260	MNA *	HSL * *	1,4 D									Matrix Codes / Lab Use Only
1	MW-1	5/20/14	0925	Rm	GW	8		X	X		X					X	X	X	X									
2	DW-2	5/19/14	1650	TF	GW	3			X							X			X									
3	MW-2	5/19/14	1705	TF	GW	3			X							X			X									
4	MW-3	5/20/14	1140	TF	GW	7		X	X		X					X	X		X									
5	MW-4	5/20/14	1050	Rm	GW	7		X	X		X					X	X		X									
6	MW-5	5/20/14	1220	Rm	GW	4			X		X					X		X	X									
7	MW-6	5/19/14	1700	Rm	GW	3			X							X			X									
8	MW-10	5/20/14	1445	TF	GW	8		X	X		X					X	X	X	X									
9	Dup-1	5/20/14	–	TF	GW	4			X		X					X		X	X									
10	MW-12	5/20/14	1510	Rm	GW	3			X							X			X									
11	MW-13	5/19/14	1540	Rm	GW	3			X							X			X									
12	Trip Blank	–	–	–	LIQ	2			X							X			X									

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe

TURNAROUND TIME (Business Days)

Approved By: / Rush Code

- [X] 10 Days Standard
- [ ] 7 Day RUSH
- [ ] 5 Day RUSH
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY
- [ ] OTHER

Emergency or Rush T/A Data Available VIA Email or Lablink

Data Deliverable Information

- [ ] COMMERCIAL "A" (RESULTS ONLY)
- [ ] COMMERCIAL "B" (RESULTS PLUS QC)
- [ ] REDT1 (EPA LEVEL 3)
- [ ] FULT1 (EPA LEVEL 4)
- [ ] EDD'S

RALEIGH, NC

SVC CENTER

Comments / Remarks

*MNA - Nitrate/Nitrite, Sulfate/Sulfite, Iron manganese, and Total Organic Carbon

**HSL - antimony, beryllium, copper, manganese, nickel, thallium, and zinc.

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
1 Thomas Fisher / ERM NC, Inc.	5/20/14 1530	2 Brent Bailey	3 Brent Bailey	5/20/14 1740	4 FX
Relinquished by:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
5 RP 05-21-14	915	6 [illegible]	7		8

Lab Use Only: Custody Seal in Place: Y N Temp Blank Provided: Y N Preserved where Applicable: Y N Total # of Coolers: Cooler Temperature (s) Celsius: 1.8

FA15149: Chain of Custody
Page 1 of 3

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: FA15149 CLIENT: ERM PROJECT: ELI Eco

DATE/TIME RECEIVED: 05-21-14 915 {MM/DD/YY 24:00} NUMBER OF COOLERS RECEIVED: 1

METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 7700 4373 6281

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET

TRIP BLANK INFORMATION

- [x] TRIP BLANK PROVIDED
- [ ] TRIP BLANK NOT PROVIDED
- [ ] TRIP BLANK NOT ON COC
- [x] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [x] RECEIVED WATER TRIP BLANK
- [ ] RECEIVED SOIL TRIP BLANK

MISC. INFORMATION

NUMBER OF ENCORES ? 25-GRAM_____ 5-GRAM_____

NUMBER OF 5035 FIELD KITS ? _____

NUMBER OF LAB FILTERED METALS ? _____

TEMPERATURE INFORMATION

- [ ] IR THERM ID 1 CORR. FACTOR +0.4
- [ ] OBSERVED TEMPS: 1.4
- [ ] CORRECTED TEMPS: 1.8

SAMPLE INFORMATION

- [ ] INCORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] DATES/TIMES ON COC DO NOT MATCH SAMPLE LABEL
- [ ] ID'S ON COC DO NOT MATCH LABEL
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [x] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING OR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] 5035 FIELD KITS NOT RECEIVED WITHIN 48 HOURS
- [ ] BULK VOA SOIL JARS NOT RECEIVED WITHIN 48 HOURS
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] RESIDUAL CHLORINE PRESENT

{APPICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS}

SUMMARY OF COMMENTS: No Dion vials Received For Samples 1-7, 10, 11

TECHNICIAN SIGNATURE/DATE [signature] 05-21-14 REVIEWER SIGNATURE/DATE [signature] 05/21/14

RS 04/14 receipt confirmation 041514.xls

4.1

4

FA15149: Chain of Custody
Page 2 of 3

From: (919) 208-7171
Brent Rader
Accutest Labs Southeast
6308 - C Angus Drive

Raleigh, NC 27617

Origin ID: RZZA

FedEx Express

J1410142070326

Ship Date: 20MAY14
ActWgt: 15.0 LB
CAD: 9855222/INET3490

Delivery Address Bar Code

SHIP TO: (407) 425-6700
Sample Receiving
Accutest SE
4405 VINELAND RD.
STE. C15
ORLANDO, FL 32811

BILL SENDER

Ref #
Invoice #
PO #
Dept #

2 of 3

WED - 21 MAY AA
STANDARD OVERNIGHT

MPS# 7700 4373 6281
0263

Mstr# 7700 4373 6215
0201

XH TIXA

32811
FL-US
MCO

522G1/6203/F220

After printing this label:
1. Use the 'Print' button on this page to print your label to your laser or inkjet printer.
2. Fold the printed page along the horizontal line.
3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

Warning: Use only the printed original label for shipping. Using a photocopy of this label for shipping purposes is fraudulent and could result in additional billing charges, along with the cancellation of your FedEx account number.
Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com.FedEx will not be responsible for any claim in excess of $100 per package, whether the result of loss, damage, delay, non-delivery,misdelivery,or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim.Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental,consequential, or special is limited to the greater of $100 or the authorized declared value. Recovery cannot exceed actual documented loss.Maximum for items of extraordinary value is $1,000, e.g. jewelry, precious metals, negotiable instruments and other items listed in our ServiceGuide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

Southeast ACCUTEST LABORATORIES

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: FA15149
Account: ERMNCR ERM
Project: ECI; 100 Rego Dr, Elon, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VZ1006-MB	Z25732.D	1	05/21/14	KW	n/a	n/a	VZ1006

The QC reported here applies to the following samples: **Method:** SW846 8260B BY SIM

FA15149-1, FA15149-2, FA15149-3, FA15149-4, FA15149-5, FA15149-6, FA15149-7, FA15149-8, FA15149-9, FA15149-10, FA15149-11, FA15149-12

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	1.0	0.30	ug/l	

CAS No.	Surrogate Recoveries		Limits
17060-07-0	1,2-Dichloroethane-D4	100%	74-125%
2037-26-5	Toluene-D8	100%	88-111%

Method Blank Summary

Job Number: FA15149
Account: ERMNCR ERM
Project: ECI; 100 Rego Dr, Elon, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM3156-MB	M74727.D	1	05/30/14	RB	n/a	n/a	VM3156

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA15149-1, FA15149-2, FA15149-3, FA15149-4, FA15149-5, FA15149-6, FA15149-7, FA15149-8, FA15149-9, FA15149-10, FA15149-11, FA15149-12

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	11	ug/l	
107-02-8	Acrolein	ND	20	6.4	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.24	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.31	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.38	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.26	ug/l	
75-25-2	Bromoform	ND	1.0	0.38	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.30	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.27	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.31	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.23	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.29	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.40	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.25	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.78	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.24	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.24	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.36	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.34	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.33	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.36	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.33	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.29	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.34	ug/l	

Method Blank Summary

Job Number: FA15149
Account: ERMNCR ERM
Project: ECI; 100 Rego Dr, Elon, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM3156-MB	M74727.D	1	05/30/14	RB	n/a	n/a	VM3156

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA15149-1, FA15149-2, FA15149-3, FA15149-4, FA15149-5, FA15149-6, FA15149-7, FA15149-8, FA15149-9, FA15149-10, FA15149-11, FA15149-12

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.28	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.24	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.53	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.29	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	1.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.24	ug/l	
100-42-5	Styrene	ND	1.0	0.23	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.34	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.27	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.32	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.57	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.24	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.26	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.30	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.33	ug/l	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
	m,p-Xylene	ND	2.0	0.48	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

Method Blank Summary

Job Number: FA15149
Account: ERMNCR ERM
Project: ECI; 100 Rego Dr, Elon, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM3156-MB	M74727.D	1	05/30/14	RB	n/a	n/a	VM3156

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA15149-1, FA15149-2, FA15149-3, FA15149-4, FA15149-5, FA15149-6, FA15149-7, FA15149-8, FA15149-9, FA15149-10, FA15149-11, FA15149-12

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	103%	83-118%
17060-07-0	1,2-Dichloroethane-D4	104%	79-125%
2037-26-5	Toluene-D8	100%	85-112%
460-00-4	4-Bromofluorobenzene	99%	83-118%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
75-07-0	Acetaldehyde	2.19	65	ug/l	JN
	Total TIC, Volatile		65	ug/l	J

Blank Spike Summary

Job Number: FA15149
Account: ERMNCR ERM
Project: ECI; 100 Rego Dr, Elon, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VZ1006-BS	Z25731.D	1	05/21/14	KW	n/a	n/a	VZ1006

The QC reported here applies to the following samples: **Method:** SW846 8260B BY SIM

FA15149-1, FA15149-2, FA15149-3, FA15149-4, FA15149-5, FA15149-6, FA15149-7, FA15149-8, FA15149-9, FA15149-10, FA15149-11, FA15149-12

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
123-91-1	1,4-Dioxane	50	41.7	83	65-121

CAS No.	Surrogate Recoveries	BSP	Limits
17060-07-0	1,2-Dichloroethane-D4	101%	74-125%
2037-26-5	Toluene-D8	100%	88-111%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA15149
Account: ERMNCR ERM
Project: ECI; 100 Rego Dr, Elon, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM3156-BS	M74725.D	1	05/30/14	RB	n/a	n/a	VM3156

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA15149-1, FA15149-2, FA15149-3, FA15149-4, FA15149-5, FA15149-6, FA15149-7, FA15149-8, FA15149-9, FA15149-10, FA15149-11, FA15149-12

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	178	142	50-147
107-02-8	Acrolein	125	197	158*	31-154
107-13-1	Acrylonitrile	125	128	102	58-126
71-43-2	Benzene	25	25.4	102	81-122
108-86-1	Bromobenzene	25	21.6	86	80-121
74-97-5	Bromochloromethane	25	23.5	94	76-123
75-27-4	Bromodichloromethane	25	25.9	104	79-123
75-25-2	Bromoform	25	27.9	112	66-123
104-51-8	n-Butylbenzene	25	20.7	83	79-126
135-98-8	sec-Butylbenzene	25	24.4	98	83-133
98-06-6	tert-Butylbenzene	25	24.5	98	80-133
108-90-7	Chlorobenzene	25	26.6	106	82-124
75-00-3	Chloroethane	25	20.7	83	62-144
67-66-3	Chloroform	25	23.2	93	80-124
95-49-8	o-Chlorotoluene	25	23.7	95	81-127
106-43-4	p-Chlorotoluene	25	25.2	101	83-130
110-75-8	2-Chloroethyl vinyl ether	125	136	109	56-122
75-15-0	Carbon disulfide	25	24.2	97	66-148
56-23-5	Carbon tetrachloride	25	25.0	100	76-136
75-34-3	1,1-Dichloroethane	25	24.5	98	81-122
75-35-4	1,1-Dichloroethylene	25	28.2	113	78-137
563-58-6	1,1-Dichloropropene	25	28.2	113	79-131
96-12-8	1,2-Dibromo-3-chloropropane	25	22.7	91	64-123
106-93-4	1,2-Dibromoethane	25	25.4	102	75-120
107-06-2	1,2-Dichloroethane	25	24.1	96	75-125
78-87-5	1,2-Dichloropropane	25	25.2	101	76-124
142-28-9	1,3-Dichloropropane	25	24.9	100	80-118
594-20-7	2,2-Dichloropropane	25	26.2	105	74-139
124-48-1	Dibromochloromethane	25	24.1	96	78-122
75-71-8	Dichlorodifluoromethane	25	24.1	96	42-167
156-59-2	cis-1,2-Dichloroethylene	25	25.7	103	78-120
10061-01-5	cis-1,3-Dichloropropene	25	25.2	101	75-118
541-73-1	m-Dichlorobenzene	25	24.3	97	84-125
95-50-1	o-Dichlorobenzene	25	24.0	96	82-124
106-46-7	p-Dichlorobenzene	25	21.7	87	78-120
156-60-5	trans-1,2-Dichloroethylene	25	26.6	106	76-127

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA15149
Account: ERMNCR ERM
Project: ECI; 100 Rego Dr, Elon, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM3156-BS	M74725.D	1	05/30/14	RB	n/a	n/a	VM3156

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA15149-1, FA15149-2, FA15149-3, FA15149-4, FA15149-5, FA15149-6, FA15149-7, FA15149-8, FA15149-9, FA15149-10, FA15149-11, FA15149-12

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
10061-02-6	trans-1,3-Dichloropropene	25	24.3	97	80-120
100-41-4	Ethylbenzene	25	25.1	100	81-121
591-78-6	2-Hexanone	125	153	122	61-129
87-68-3	Hexachlorobutadiene	25	23.8	95	75-142
98-82-8	Isopropylbenzene	25	27.2	109	83-132
99-87-6	p-Isopropyltoluene	25	23.2	93	79-130
108-10-1	4-Methyl-2-pentanone	125	141	113	66-122
74-83-9	Methyl bromide	25	22.6	90	59-143
74-87-3	Methyl chloride	25	23.9	96	50-159
74-95-3	Methylene bromide	25	25.1	100	78-119
75-09-2	Methylene chloride	25	27.5	110	69-135
78-93-3	Methyl ethyl ketone	125	146	117	56-143
1634-04-4	Methyl Tert Butyl Ether	25	24.1	96	72-117
91-20-3	Naphthalene	25	21.2	85	63-132
103-65-1	n-Propylbenzene	25	25.1	100	82-133
100-42-5	Styrene	25	23.8	95	78-119
630-20-6	1,1,1,2-Tetrachloroethane	25	24.9	100	77-122
71-55-6	1,1,1-Trichloroethane	25	25.0	100	75-130
79-34-5	1,1,2,2-Tetrachloroethane	25	22.3	89	72-120
79-00-5	1,1,2-Trichloroethane	25	24.8	99	76-119
87-61-6	1,2,3-Trichlorobenzene	25	21.8	87	68-131
96-18-4	1,2,3-Trichloropropane	25	22.9	92	77-120
120-82-1	1,2,4-Trichlorobenzene	25	19.7	79	73-129
95-63-6	1,2,4-Trimethylbenzene	25	21.8	87	79-120
108-67-8	1,3,5-Trimethylbenzene	25	23.2	93	79-120
127-18-4	Tetrachloroethylene	25	26.7	107	76-135
108-88-3	Toluene	25	24.5	98	80-120
79-01-6	Trichloroethylene	25	25.0	100	81-126
75-69-4	Trichlorofluoromethane	25	36.6	146	71-156
75-01-4	Vinyl chloride	25	23.8	95	69-159
108-05-4	Vinyl Acetate	125	148	118	43-154
	m,p-Xylene	50	55.5	111	79-126
95-47-6	o-Xylene	25	25.4	102	80-127

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA15149
Account: ERMNCR ERM
Project: ECI; 100 Rego Dr, Elon, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM3156-BS	M74725.D	1	05/30/14	RB	n/a	n/a	VM3156

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA15149-1, FA15149-2, FA15149-3, FA15149-4, FA15149-5, FA15149-6, FA15149-7, FA15149-8, FA15149-9, FA15149-10, FA15149-11, FA15149-12

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	97%	83-118%
17060-07-0	1,2-Dichloroethane-D4	103%	79-125%
2037-26-5	Toluene-D8	98%	85-112%
460-00-4	4-Bromofluorobenzene	91%	83-118%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA15149
Account: ERMNCR ERM
Project: ECI; 100 Rego Dr, Elon, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA14987-1MS	Z25754.D	1	05/21/14	KW	n/a	n/a	VZ1006
FA14987-1MSD	Z25755.D	1	05/21/14	KW	n/a	n/a	VZ1006
FA14987-1	Z25735.D	1	05/21/14	KW	n/a	n/a	VZ1006

The QC reported here applies to the following samples: **Method:** SW846 8260B BY SIM

FA15149-1, FA15149-2, FA15149-3, FA15149-4, FA15149-5, FA15149-6, FA15149-7, FA15149-8, FA15149-9, FA15149-10, FA15149-11, FA15149-12

CAS No.	Compound	FA14987-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
123-91-1	1,4-Dioxane	10		50	51.4	83	50	52.9	86	3	65-121/27

CAS No.	Surrogate Recoveries	MS	MSD	FA14987-1	Limits
17060-07-0	1,2-Dichloroethane-D4	101%	101%	101%	74-125%
2037-26-5	Toluene-D8	100%	100%	100%	88-111%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA15149
Account: ERMNCR ERM
Project: ECI; 100 Rego Dr, Elon, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA15149-1MS	M74745.D	1	05/30/14	RB	n/a	n/a	VM3156
FA15149-1MSD	M74746.D	1	05/30/14	RB	n/a	n/a	VM3156
FA15149-1	M74734.D	1	05/30/14	RB	n/a	n/a	VM3156

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA15149-1, FA15149-2, FA15149-3, FA15149-4, FA15149-5, FA15149-6, FA15149-7, FA15149-8, FA15149-9, FA15149-10, FA15149-11, FA15149-12

CAS No.	Compound	FA15149-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		125	88.9	71	125	89.7	72	1	50-147/21
107-02-8	Acrolein	ND		125	168	134	125	167	134	1	31-154/29
107-13-1	Acrylonitrile	ND		125	119	95	125	124	99	4	58-126/16
71-43-2	Benzene	ND		25	28.4	114	25	26.8	107	6	81-122/14
108-86-1	Bromobenzene	ND		25	24.4	98	25	24.3	97	0	80-121/14
74-97-5	Bromochloromethane	ND		25	27.9	112	25	27.8	111	0	76-123/14
75-27-4	Bromodichloromethane	ND		25	28.3	113	25	27.2	109	4	79-123/19
75-25-2	Bromoform	ND		25	29.8	119	25	28.3	113	5	66-123/21
104-51-8	n-Butylbenzene	ND		25	23.3	93	25	22.6	90	3	79-126/16
135-98-8	sec-Butylbenzene	ND		25	27.5	110	25	27.1	108	1	83-133/16
98-06-6	tert-Butylbenzene	ND		25	26.6	106	25	27.1	108	2	80-133/16
108-90-7	Chlorobenzene	ND		25	29.3	117	25	27.6	110	6	82-124/14
75-00-3	Chloroethane	ND		25	21.0	84	25	18.8	75	11	62-144/20
67-66-3	Chloroform	ND		25	27.7	111	25	25.9	104	7	80-124/15
95-49-8	o-Chlorotoluene	ND		25	25.4	102	25	25.7	103	1	81-127/15
106-43-4	p-Chlorotoluene	ND		25	27.4	110	25	28.1	112	3	83-130/15
110-75-8	2-Chloroethyl vinyl ether	ND		125	3.8	3*	125	ND	0*	200*	56-122/23
75-15-0	Carbon disulfide	ND		25	23.6	94	25	18.3	73	25*	66-148/23
56-23-5	Carbon tetrachloride	ND		25	28.1	112	25	26.9	108	4	76-136/23
75-34-3	1,1-Dichloroethane	ND		25	28.4	114	25	26.0	104	9	81-122/15
75-35-4	1,1-Dichloroethylene	ND		25	30.8	123	25	28.9	116	6	78-137/18
563-58-6	1,1-Dichloropropene	ND		25	32.0	128	25	29.9	120	7	79-131/16
96-12-8	1,2-Dibromo-3-chloropropane	ND		25	24.2	97	25	25.2	101	4	64-123/18
106-93-4	1,2-Dibromoethane	ND		25	27.5	110	25	26.7	107	3	75-120/13
107-06-2	1,2-Dichloroethane	ND		25	27.7	111	25	26.7	107	4	75-125/14
78-87-5	1,2-Dichloropropane	ND		25	28.4	114	25	27.3	109	4	76-124/14
142-28-9	1,3-Dichloropropane	ND		25	27.1	108	25	26.5	106	2	80-118/13
594-20-7	2,2-Dichloropropane	ND		25	31.0	124	25	28.5	114	8	74-139/17
124-48-1	Dibromochloromethane	ND		25	25.6	102	25	25.2	101	2	78-122/19
75-71-8	Dichlorodifluoromethane	ND		25	22.4	90	25	23.2	93	4	42-167/19
156-59-2	cis-1,2-Dichloroethylene	ND		25	28.6	114	25	29.6	118	3	78-120/15
10061-01-5	cis-1,3-Dichloropropene	ND		25	25.6	102	25	23.3	93	9	75-118/23
541-73-1	m-Dichlorobenzene	ND		25	26.4	106	25	26.8	107	2	84-125/14
95-50-1	o-Dichlorobenzene	ND		25	26.7	107	25	27.5	110	3	82-124/14
106-46-7	p-Dichlorobenzene	ND		25	23.5	94	25	23.7	95	1	78-120/15
156-60-5	trans-1,2-Dichloroethylene	ND		25	29.3	117	25	27.5	110	6	76-127/17

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA15149
Account: ERMNCR ERM
Project: ECI; 100 Rego Dr, Elon, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA15149-1MS	M74745.D	1	05/30/14	RB	n/a	n/a	VM3156
FA15149-1MSD	M74746.D	1	05/30/14	RB	n/a	n/a	VM3156
FA15149-1	M74734.D	1	05/30/14	RB	n/a	n/a	VM3156

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA15149-1, FA15149-2, FA15149-3, FA15149-4, FA15149-5, FA15149-6, FA15149-7, FA15149-8, FA15149-9, FA15149-10, FA15149-11, FA15149-12

CAS No.	Compound	FA15149-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
10061-02-6	trans-1,3-Dichloropropene	ND		25	26.5	106	25	25.6	102	3	80-120/22
100-41-4	Ethylbenzene	ND		25	27.3	109	25	25.6	102	6	81-121/14
591-78-6	2-Hexanone	ND		125	110	88	125	109	87	1	61-129/18
87-68-3	Hexachlorobutadiene	ND		25	24.7	99	25	25.5	102	3	75-142/19
98-82-8	Isopropylbenzene	ND		25	29.5	118	25	27.6	110	7	83-132/15
99-87-6	p-Isopropyltoluene	ND		25	25.4	102	25	25.4	102	0	79-130/16
108-10-1	4-Methyl-2-pentanone	ND		125	144	115	125	144	115	0	66-122/16
74-83-9	Methyl bromide	ND		25	20.7	83	25	20.3	81	2	59-143/19
74-87-3	Methyl chloride	ND		25	23.1	92	25	23.1	92	0	50-159/19
74-95-3	Methylene bromide	ND		25	27.8	111	25	28.3	113	2	78-119/14
75-09-2	Methylene chloride	ND		25	31.4	126	25	30.0	120	5	69-135/16
78-93-3	Methyl ethyl ketone	ND		125	108	86	125	112	90	4	56-143/18
1634-04-4	Methyl Tert Butyl Ether	ND		25	26.5	106	25	26.7	107	1	72-117/14
91-20-3	Naphthalene	ND		25	20.3	81	25	22.4	90	10	63-132/25
103-65-1	n-Propylbenzene	ND		25	27.4	110	25	27.3	109	0	82-133/15
100-42-5	Styrene	ND		25	26.2	105	25	25.1	100	4	78-119/23
630-20-6	1,1,1,2-Tetrachloroethane	ND		25	27.0	108	25	25.8	103	5	77-122/19
71-55-6	1,1,1-Trichloroethane	ND		25	27.9	112	25	26.5	106	5	75-130/16
79-34-5	1,1,2,2-Tetrachloroethane	ND		25	24.2	97	25	26.0	104	7	72-120/14
79-00-5	1,1,2-Trichloroethane	ND		25	27.3	109	25	26.9	108	1	76-119/14
87-61-6	1,2,3-Trichlorobenzene	ND		25	22.2	89	25	23.3	93	5	68-131/25
96-18-4	1,2,3-Trichloropropane	ND		25	23.9	96	25	25.7	103	7	77-120/16
120-82-1	1,2,4-Trichlorobenzene	ND		25	20.1	80	25	22.1	88	9	73-129/20
95-63-6	1,2,4-Trimethylbenzene	ND		25	23.6	94	25	23.8	95	1	79-120/18
108-67-8	1,3,5-Trimethylbenzene	ND		25	25.2	101	25	24.8	99	2	79-120/19
127-18-4	Tetrachloroethylene	ND		25	29.0	116	25	27.3	109	6	76-135/16
108-88-3	Toluene	ND		25	26.5	106	25	25.1	100	5	80-120/14
79-01-6	Trichloroethylene	ND		25	28.1	112	25	26.5	106	6	81-126/15
75-69-4	Trichlorofluoromethane	ND		25	37.7	151	25	35.7	143	5	71-156/21
75-01-4	Vinyl chloride	ND		25	22.9	92	25	22.7	91	1	69-159/18
108-05-4	Vinyl Acetate	ND		125	158	126	125	155	124	2	43-154/14
	m,p-Xylene	ND		50	60.7	121	50	54.7	109	10	79-126/15
95-47-6	o-Xylene	ND		25	27.8	111	25	26.2	105	6	80-127/14

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA15149
Account: ERMNCR ERM
Project: ECI; 100 Rego Dr, Elon, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA15149-1MS	M74745.D	1	05/30/14	RB	n/a	n/a	VM3156
FA15149-1MSD	M74746.D	1	05/30/14	RB	n/a	n/a	VM3156
FA15149-1	M74734.D	1	05/30/14	RB	n/a	n/a	VM3156

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA15149-1, FA15149-2, FA15149-3, FA15149-4, FA15149-5, FA15149-6, FA15149-7, FA15149-8, FA15149-9, FA15149-10, FA15149-11, FA15149-12

CAS No.	Surrogate Recoveries	MS	MSD	FA15149-1	Limits
1868-53-7	Dibromofluoromethane	101%	102%	105%	83-118%
17060-07-0	1,2-Dichloroethane-D4	105%	106%	107%	79-125%
2037-26-5	Toluene-D8	94%	93%	102%	85-112%
460-00-4	4-Bromofluorobenzene	87%	93%	95%	83-118%

* = Outside of Control Limits.

Southeast ACCUTEST LABORATORIES

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA15149
Account: ERMNCR - ERM
Project: ECI; 100 Rego Dr, Elon, NC

QC Batch ID: MP27307
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 05/28/14

Metal	RL	IDL	MDL	MB raw	final
Aluminum	200	15	15		
Antimony	6.0	2	2.3	1.9	<6.0
Arsenic	10	2	2.4		
Barium	200	1	1		
Beryllium	4.0	.5	.5	0.0	<4.0
Cadmium	5.0	.5	.5		
Calcium	1000	50	50		
Chromium	10	1	2		
Cobalt	50	.5	.5		
Copper	25	1	1	0.30	<25
Iron	300	17	17	2.6	<300
Lead	5.0	1.1	1.1		
Magnesium	5000	50	56		
Manganese	15	.5	1	0.0	<15
Molybdenum	50	.5	.5		
Nickel	40	.5	.5	-0.10	<40
Potassium	10000	200	200		
Selenium	10	2.3	2.3		
Silver	10	.65	.77		
Sodium	10000	500	500		
Strontium	10	.4	.4		
Thallium	10	1.5	2	-1.0	<10
Tin	50	.7	1		
Titanium	10	.9	1		
Vanadium	50	.5	.5		
Zinc	20	3	3	3.2	<20

Associated samples MP27307: FA15149-1, FA15149-4, FA15149-5, FA15149-6, FA15149-8, FA15149-9

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA15149
Account: ERMNCR - ERM
Project: ECI; 100 Rego Dr, Elon, NC

QC Batch ID: MP27307
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:	05/28/14						05/28/14		
Metal	FA15195-1 Original	DUP	RPD	QC Limits	FA15195-1 Original	MS	Spikelot MPFLICP2	% Rec	QC Limits
Aluminum									
Antimony	0.0	0.0	NC	0-20	0.0	529	500	105.8	80-120
Arsenic	anr								
Barium									
Beryllium	0.0	0.0	NC	0-20	0.0	55.3	50	110.6	80-120
Cadmium	anr								
Calcium									
Chromium	anr								
Cobalt									
Copper	1.2	1.3	8.0	0-20	1.2	287	250	114.3	80-120
Iron	5910	5760	2.6	0-20	5910	34400	26000	109.6	80-120
Lead	anr								
Magnesium									
Manganese	554	552	0.4	0-20	554	1110	500	111.2	80-120
Molybdenum									
Nickel	5.6	5.5	1.8	0-20	5.6	550	500	108.9	80-120
Potassium									
Selenium									
Silver									
Sodium									
Strontium									
Thallium	0.0	0.0	NC	0-20	0.0	2100	2000	105.0	80-120
Tin									
Titanium									
Vanadium									
Zinc	16.5	19.3	15.6	0-20	16.5	529	500	102.5	80-120

Associated samples MP27307: FA15149-1, FA15149-4, FA15149-5, FA15149-6, FA15149-8, FA15149-9

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA15149
Account: ERMNCR - ERM
Project: ECI; 100 Rego Dr, Elon, NC

QC Batch ID: MP27307
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 05/28/14

Metal	FA15195-1 Original	MSD	Spikelot MPFLICP2	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony	0.0	526	500	105.2	0.6	20
Arsenic	anr					
Barium						
Beryllium	0.0	54.8	50	109.6	0.9	20
Cadmium	anr					
Calcium						
Chromium	anr					
Cobalt						
Copper	1.2	280	250	111.5	2.5	20
Iron	5910	33900	26000	107.7	1.5	20
Lead	anr					
Magnesium						
Manganese	554	1100	500	109.2	0.9	20
Molybdenum						
Nickel	5.6	547	500	108.3	0.5	20
Potassium						
Selenium						
Silver						
Sodium						
Strontium						
Thallium	0.0	2080	2000	104.0	1.0	20
Tin						
Titanium						
Vanadium						
Zinc	16.5	526	500	101.9	0.6	20

Associated samples MP27307: FA15149-1, FA15149-4, FA15149-5, FA15149-6, FA15149-8, FA15149-9

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA15149
Account: ERMNCR - ERM
Project: ECI; 100 Rego Dr, Elon, NC

QC Batch ID: MP27307
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 05/28/14

Metal	BSP Result	Spikelot MPFLICP2	% Rec	QC Limits
Aluminum				
Antimony	529	500	105.8	80-120
Arsenic	anr			
Barium				
Beryllium	54.9	50	109.8	80-120
Cadmium	anr			
Calcium				
Chromium	anr			
Cobalt				
Copper	283	250	113.2	80-120
Iron	28300	26000	108.8	80-120
Lead	anr			
Magnesium				
Manganese	557	500	111.4	80-120
Molybdenum				
Nickel	546	500	109.2	80-120
Potassium				
Selenium				
Silver				
Sodium				
Strontium				
Thallium	2070	2000	103.5	80-120
Tin				
Titanium				
Vanadium				
Zinc	517	500	103.4	80-120

Associated samples MP27307: FA15149-1, FA15149-4, FA15149-5, FA15149-6, FA15149-8, FA15149-9

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA15149
Account: ERMNCR - ERM
Project: ECI; 100 Rego Dr, Elon, NC

QC Batch ID: MP27307
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 05/28/14

Metal	FA15195-1 Original	SDL 1:5	%DIF	QC Limits
Aluminum				
Antimony	0.00	0.00	NC	0-10
Arsenic	anr			
Barium				
Beryllium	0.00	0.00	NC	0-10
Cadmium	anr			
Calcium				
Chromium	anr			
Cobalt				
Copper	1.20	0.00	100.0(a)	0-10
Iron	5910	5600	5.3	0-10
Lead	anr			
Magnesium				
Manganese	554	528	4.6	0-10
Molybdenum				
Nickel	5.60	5.00	10.7 (a)	0-10
Potassium				
Selenium				
Silver				
Sodium				
Strontium				
Thallium	0.00	0.00	NC	0-10
Tin				
Titanium				
Vanadium				
Zinc	16.5	16.0	3.0	0-10

Associated samples MP27307: FA15149-1, FA15149-4, FA15149-5, FA15149-6, FA15149-8, FA15149-9

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

POST DIGESTATE SPIKE SUMMARY

Login Number: FA15149
Account: ERMNCR - ERM
Project: ECI; 100 Rego Dr, Elon, NC

QC Batch ID: MP27307
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 05/28/14

Metal	Sample ml	Final ml	FA15195-1 Raw	Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum										
Antimony	9.8	10			108	0.2	5	100	108.0	80-120
Arsenic										
Barium										
Beryllium	9.8	10			55.8	0.2	2.5	50	111.6	80-120
Cadmium										
Calcium										
Chromium										
Cobalt										
Copper	9.8	10	1.2	1.176	115.7	0.2	5	100	114.5	80-120
Iron	9.8	10	5910	5791.8	8987	0.2	150	3000	106.5	80-120
Lead										
Magnesium										
Manganese	9.8	10	553.6	542.528	592.8	0.2	2.5	50	100.5	80-120
Molybdenum										
Nickel	9.8	10	5.6	5.488	118.7	0.2	5	100	113.2	80-120
Potassium										
Selenium										
Silver										
Sodium										
Strontium										
Thallium	9.8	10			106.1	0.2	5	100	106.1	80-120
Tin										
Titanium										
Vanadium										
Zinc	9.8	10	16.5	16.17	295.3	0.2	12.5	250	111.7	80-120

Associated samples MP27307: FA15149-1, FA15149-4, FA15149-5, FA15149-6, FA15149-8, FA15149-9

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(**) Corr. sample result = Raw * (sample volume / final volume)
(anr) Analyte not requested

Southeast ACCUTEST LABORATORIES

General Chemistry

QC Data Summaries

Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA15149
Account: ERMNCR - ERM
Project: ECI; 100 Rego Dr, Elon, NC

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Nitrogen, Nitrate	GP24044/GN61556	0.10	0.0	mg/l	2.5	2.36	94.4	90-110%
Nitrogen, Nitrite	GP24044/GN61556	0.10	0.0	mg/l	2.5	2.54	101.6	90-110%
Sulfate	GP24044/GN61556	2.0	0.0	mg/l	50	49.2	98.4	90-110%
Sulfite	GN61564	3.0	0.0	mg/l	34.5	34.0	98.6	80-120%
Total Organic Carbon	GP24043/GN61535	1.0	0.0	mg/l	15	16.1	107.3	90-110%

Associated Samples:
Batch GN61564: FA15149-1, FA15149-4, FA15149-5, FA15149-8
Batch GP24043: FA15149-1, FA15149-4, FA15149-5, FA15149-8
Batch GP24044: FA15149-1, FA15149-4, FA15149-5, FA15149-8
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA15149
Account: ERMNCR - ERM
Project: ECI; 100 Rego Dr, Elon, NC

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Total Organic Carbon	GP24043/GN61535	FA15149-1	mg/l	0.23 B	0.0	200.0(a)	0-20%

Associated Samples:
Batch GP24043: FA15149-1, FA15149-4, FA15149-5, FA15149-8
(*) Outside of QC limits
(a) RPD acceptable due to low duplicate and sample concentrations.

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA15149
Account: ERMNCR - ERM
Project: ECI; 100 Rego Dr, Elon, NC

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Nitrogen, Nitrate	GP24044/GN61556	FA15149-1	mg/l	0.34	2.5	2.7	94.4	90-110%
Nitrogen, Nitrate	GP24044/GN61556	FA15149-4	mg/l	0.11	2.5	2.5	95.6	90-110%
Nitrogen, Nitrite	GP24044/GN61556	FA15149-1	mg/l	0.050 U	2.5	2.5	100.0	90-110%
Nitrogen, Nitrite	GP24044/GN61556	FA15149-4	mg/l	0.050 U	2.5	2.5	100.0	90-110%
Sulfate	GP24044/GN61556	FA15149-1	mg/l	1.0 B	50	53.7	105.4	90-110%
Sulfate	GP24044/GN61556	FA15149-4	mg/l	1.1 B	50	51.9	101.6	90-110%
Sulfite	GN61564	FA15149-1	mg/l	1.5 U	34.5	36.0	101.0	75-125%
Total Organic Carbon	GP24043/GN61535	FA15149-1	mg/l	0.23 B	15	17.8	117.1N(a)	90-110%

Associated Samples:
Batch GN61564: FA15149-1, FA15149-4, FA15149-5, FA15149-8
Batch GP24043: FA15149-1, FA15149-4, FA15149-5, FA15149-8
Batch GP24044: FA15149-1, FA15149-4, FA15149-5, FA15149-8
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(a) Spike recovery indicates possible matrix interference.

MATRIX SPIKE DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA15149
Account: ERMNCR - ERM
Project: ECI; 100 Rego Dr, Elon, NC

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MSD Result	RPD	QC Limit
Nitrogen, Nitrate	GP24044/GN61556	FA15149-1	mg/l	0.34	2.5	2.7	0.0	20%
Nitrogen, Nitrate	GP24044/GN61556	FA15149-4	mg/l	0.11	2.5	2.4	4.1	20%
Nitrogen, Nitrite	GP24044/GN61556	FA15149-1	mg/l	0.050 U	2.5	2.5	0.0	20%
Nitrogen, Nitrite	GP24044/GN61556	FA15149-4	mg/l	0.050 U	2.5	2.5	0.0	20%
Sulfate	GP24044/GN61556	FA15149-1	mg/l	1.0 B	50	54.1	0.7	20%
Sulfate	GP24044/GN61556	FA15149-4	mg/l	1.1 B	50	51.7	0.4	20%
Sulfite	GN61564	FA15149-1	mg/l	1.5 U	34.5mg/l	35.0	2.8	

Associated Samples:
Batch GN61564: FA15149-1, FA15149-4, FA15149-5, FA15149-8
Batch GP24044: FA15149-1, FA15149-4, FA15149-5, FA15149-8
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

Southeast ACCUTEST LABORATORIES

08/12/14

Technical Report for

ERM

ECI; 100 Rego Dr, Elon, NC

Accutest Job Number: FA15195

Sampling Date: 05/21/14

Report to:

ERM

Robert.Laumann@erm.com

ATTN: Robert Laumann

Total number of pages in report: **93**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Norm Farmer
Technical Director

Client Service contact: Jean Dent-Smith 407-425-6700

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Accutest LabLink@153230 12:00 12-Aug-2014

Sample Summary

ERM

ECI; 100 Rego Dr, Elon, NC

Job No: FA15195

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
FA15195-1	05/21/14	09:30	RMTF	05/22/14	AQ	Ground Water	MW-16
FA15195-2	05/21/14	11:00	RMTF	05/22/14	AQ	Ground Water	DW-3
FA15195-3	05/21/14	13:05	RMTF	05/22/14	AQ	Ground Water	DW-4
FA15195-4	05/21/14	12:45	RMTF	05/22/14	AQ	Ground Water	DW-1
FA15195-5	05/21/14	11:40	RMTF	05/22/14	AQ	Ground Water	DW-5
FA15195-6	05/21/14	17:55	RMTF	05/22/14	AQ	Ground Water	MW-8
FA15195-7	05/21/14	16:45	RMTF	05/22/14	AQ	Ground Water	MW-9
FA15195-8	05/21/14	10:25	RMTF	05/22/14	AQ	Ground Water	MW-14
FA15195-9	05/21/14	09:40	RMTF	05/22/14	AQ	Ground Water	MW-15
FA15195-10	05/21/14	16:30	RMTF	05/22/14	AQ	Ground Water	MW-11
FA15195-11	05/21/14	00:00	RMTF	05/22/14	AQ	Trip Blank Water	TRIP BLANK

Summary of Hits

Job Number: FA15195
Account: ERM
Project: ECI; 100 Rego Dr, Elon, NC
Collected: 05/21/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FA15195-1	**MW-16**					
Iron		5910	300	17	ug/l	SW846 6010C
Manganese		554	15	1.0	ug/l	SW846 6010C
Total Organic Carbon		0.49 B	1.0	0.23	mg/l	SM5310 B-11/SW9060A
FA15195-2	**DW-3**					
Iron		374	300	17	ug/l	SW846 6010C
Manganese		26.1	15	1.0	ug/l	SW846 6010C
Nitrogen, Nitrate		0.79	0.10	0.050	mg/l	EPA 300/SW846 9056A
Sulfate		25.8	2.0	0.60	mg/l	EPA 300/SW846 9056A
Total Organic Carbon		1.4	1.0	0.23	mg/l	SM5310 B-11/SW9060A
FA15195-3	**DW-4**					
Iron		3260	300	17	ug/l	SW846 6010C
Manganese		221	15	1.0	ug/l	SW846 6010C
Nitrogen, Nitrate		0.56	0.10	0.050	mg/l	EPA 300/SW846 9056A
Sulfate		51.8	2.0	0.60	mg/l	EPA 300/SW846 9056A
Total Organic Carbon		2.0	1.0	0.23	mg/l	SM5310 B-11/SW9060A
FA15195-4	**DW-1**					
Chloroform		0.33 J	1.0	0.31	ug/l	SW846 8260B
cis-1,2-Dichloroethylene		16.4	1.0	0.33	ug/l	SW846 8260B
Tetrachloroethylene		1.7	1.0	0.26	ug/l	SW846 8260B
Toluene		0.23 J	1.0	0.20	ug/l	SW846 8260B
Trichloroethylene		85.3	1.0	0.30	ug/l	SW846 8260B
Total TIC, Volatile		36 J			ug/l	
Iron		356	300	17	ug/l	SW846 6010C
Manganese		45.4	15	1.0	ug/l	SW846 6010C
Nitrogen, Nitrate		0.15	0.10	0.050	mg/l	EPA 300/SW846 9056A
Sulfate		8.0	2.0	0.60	mg/l	EPA 300/SW846 9056A
Total Organic Carbon		0.40 B	1.0	0.23	mg/l	SM5310 B-11/SW9060A
FA15195-5	**DW-5**					
Chloroform		1.8	1.0	0.31	ug/l	SW846 8260B
Iron		2800	300	17	ug/l	SW846 6010C
Manganese		61.5	15	1.0	ug/l	SW846 6010C
Nitrogen, Nitrate		0.25	0.10	0.050	mg/l	EPA 300/SW846 9056A
Sulfate		31.7	2.0	0.60	mg/l	EPA 300/SW846 9056A
Total Organic Carbon		0.71 B	1.0	0.23	mg/l	SM5310 B-11/SW9060A

Summary of Hits

Job Number: FA15195
Account: ERM
Project: ECI; 100 Rego Dr, Elon, NC
Collected: 05/21/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FA15195-6	**MW-8**					
Chloroform		0.35 J	1.0	0.31	ug/l	SW846 8260B
Carbon disulfide		0.50 J	2.0	0.20	ug/l	SW846 8260B
cis-1,2-Dichloroethylene		0.49 J	1.0	0.33	ug/l	SW846 8260B
Tetrachloroethylene		0.73 J	1.0	0.26	ug/l	SW846 8260B
Trichloroethylene		92.3	2.0	0.60	ug/l	SW846 8260B
Iron		468	300	17	ug/l	SW846 6010C
Manganese		138	15	1.0	ug/l	SW846 6010C
Nitrogen, Nitrate		1.4	0.10	0.050	mg/l	EPA 300/SW846 9056A
Sulfate		0.97 B	2.0	0.60	mg/l	EPA 300/SW846 9056A
FA15195-7	**MW-9**					
Chloroform		1.2 J	2.0	0.62	ug/l	SW846 8260B
cis-1,2-Dichloroethylene		14.7	2.0	0.65	ug/l	SW846 8260B
Tetrachloroethylene		39.7	2.0	0.51	ug/l	SW846 8260B
Trichloroethylene		1950	25	7.6	ug/l	SW846 8260B
m,p-Xylene		0.97 J	4.0	0.96	ug/l	SW846 8260B
1,4-Dioxane		0.52 J	1.0	0.30	ug/l	SW846 8260B BY SIM
Total TIC, Volatile		88 J			ug/l	
Iron		10300	300	17	ug/l	SW846 6010C
Manganese		203	15	1.0	ug/l	SW846 6010C
Nitrogen, Nitrate		0.34	0.10	0.050	mg/l	EPA 300/SW846 9056A
Sulfate		0.86 B	2.0	0.60	mg/l	EPA 300/SW846 9056A
Total Organic Carbon		0.24 B	1.0	0.23	mg/l	SM5310 B-11/SW9060A
FA15195-8	**MW-14**					
No hits reported in this sample.						
FA15195-9	**MW-15**					
Total TIC, Volatile		75 J			ug/l	
FA15195-10	**MW-11**					
No hits reported in this sample.						
FA15195-11	**TRIP BLANK**					
Total TIC, Volatile		87 J			ug/l	

Southeast ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	MW-16		
Lab Sample ID:	FA15195-1	**Date Sampled:**	05/21/14
Matrix:	AQ - Ground Water	**Date Received:**	05/22/14
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z26107.D	1	06/02/14	KW	n/a	n/a	VZ1018
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	1.0	0.30	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	107%		74-125%
2037-26-5	Toluene-D8	89%		88-111%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-16		
Lab Sample ID:	FA15195-1	**Date Sampled:**	05/21/14
Matrix:	AQ - Ground Water	**Date Received:**	05/22/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0076793.D	1	05/30/14	RB	n/a	n/a	VN3362
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	25	11	ug/l	
107-02-8	Acrolein	ND	20	6.4	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.24	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.31	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.38	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.26	ug/l	
75-25-2	Bromoform	ND	1.0	0.38	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.30	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.27	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.31	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.23	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.29	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.40	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.25	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.78	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.24	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.24	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.36	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.34	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.33	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.36	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.33	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-16		
Lab Sample ID:	FA15195-1	**Date Sampled:**	05/21/14
Matrix:	AQ - Ground Water	**Date Received:**	05/22/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.29	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.34	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.28	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.24	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.53	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.29	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	1.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.24	ug/l	
100-42-5	Styrene	ND	1.0	0.23	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.34	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.27	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.32	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.57	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.24	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.26	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.30	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.33	ug/l	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
	m,p-Xylene	ND	2.0	0.48	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-16		
Lab Sample ID:	FA15195-1	**Date Sampled:**	05/21/14
Matrix:	AQ - Ground Water	**Date Received:**	05/22/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		83-118%
17060-07-0	1,2-Dichloroethane-D4	104%		79-125%
2037-26-5	Toluene-D8	93%		85-112%
460-00-4	4-Bromofluorobenzene	99%		83-118%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
124-38-9	Carbon dioxide	2.40	9100	ug/l	JNB
	Total TIC, Volatile		0	ug/l	

(a) Associated BS recovery outside control limits.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-16		
Lab Sample ID:	FA15195-1	**Date Sampled:**	05/21/14
Matrix:	AQ - Ground Water	**Date Received:**	05/22/14
		Percent Solids:	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Iron	5910	300	17	ug/l	1	05/28/14	05/28/14	LM	SW846 6010C [1]	SW846 3010A [2]
Manganese	554	15	1.0	ug/l	1	05/28/14	05/28/14	LM	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA11628
(2) Prep QC Batch: MP27307

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	MW-16		
Lab Sample ID:	FA15195-1	**Date Sampled:**	05/21/14
Matrix:	AQ - Ground Water	**Date Received:**	05/22/14
		Percent Solids:	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Nitrogen, Nitrate	0.050 U	0.10	0.050	mg/l	1	05/22/14 15:18	CH	EPA 300/SW846 9056A
Nitrogen, Nitrite	0.050 U	0.10	0.050	mg/l	1	05/22/14 15:18	CH	EPA 300/SW846 9056A
Sulfate	0.60 U	2.0	0.60	mg/l	1	05/22/14 15:18	CH	EPA 300/SW846 9056A
Sulfite [a]	1.5 U	3.0	1.5	mg/l	1	05/23/14 10:11	LE	SM4500SO3 B-11
Total Organic Carbon	0.49 B	1.0	0.23	mg/l	1	05/24/14 18:39	FN	SM5310 B-11/SW9060A

(a) Field analysis required. Received out of hold time and analyzed by request.

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	DW-3		
Lab Sample ID:	FA15195-2	**Date Sampled:**	05/21/14
Matrix:	AQ - Ground Water	**Date Received:**	05/22/14
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z26085.D	1	05/30/14	KW	n/a	n/a	VZ1017
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	1.0	0.30	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	112%		74-125%
2037-26-5	Toluene-D8	91%		88-111%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DW-3		
Lab Sample ID:	FA15195-2	**Date Sampled:**	05/21/14
Matrix:	AQ - Ground Water	**Date Received:**	05/22/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0076794.D	1	05/30/14	RB	n/a	n/a	VN3362
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	25	11	ug/l	
107-02-8	Acrolein	ND	20	6.4	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.24	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.31	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.38	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.26	ug/l	
75-25-2	Bromoform	ND	1.0	0.38	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.30	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.27	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.31	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.23	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.29	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.40	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.25	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.78	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.24	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.24	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.36	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.34	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.33	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.36	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.33	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DW-3		
Lab Sample ID:	FA15195-2	**Date Sampled:**	05/21/14
Matrix:	AQ - Ground Water	**Date Received:**	05/22/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.29	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.34	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.28	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.24	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.53	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.29	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	1.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.24	ug/l	
100-42-5	Styrene	ND	1.0	0.23	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.34	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.27	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.32	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.57	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.24	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.26	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.30	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.33	ug/l	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
	m,p-Xylene	ND	2.0	0.48	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DW-3		
Lab Sample ID:	FA15195-2	**Date Sampled:**	05/21/14
Matrix:	AQ - Ground Water	**Date Received:**	05/22/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		83-118%
17060-07-0	1,2-Dichloroethane-D4	107%		79-125%
2037-26-5	Toluene-D8	99%		85-112%
460-00-4	4-Bromofluorobenzene	98%		83-118%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
124-38-9	Carbon dioxide	2.40	12000	ug/l	JNB
	Total TIC, Volatile		0	ug/l	

(a) Associated BS recovery outside control limits.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DW-3		
Lab Sample ID:	FA15195-2	**Date Sampled:**	05/21/14
Matrix:	AQ - Ground Water	**Date Received:**	05/22/14
		Percent Solids:	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Iron	374	300	17	ug/l	1	05/28/14	05/28/14	LM	SW846 6010C [1]	SW846 3010A [2]
Manganese	26.1	15	1.0	ug/l	1	05/28/14	05/28/14	LM	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA11628
(2) Prep QC Batch: MP27307

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	DW-3		
Lab Sample ID:	FA15195-2	**Date Sampled:**	05/21/14
Matrix:	AQ - Ground Water	**Date Received:**	05/22/14
		Percent Solids:	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Nitrogen, Nitrate	0.79	0.10	0.050	mg/l	1	05/22/14 16:09	CH	EPA 300/SW846 9056A
Nitrogen, Nitrite	0.050 U	0.10	0.050	mg/l	1	05/22/14 16:09	CH	EPA 300/SW846 9056A
Sulfate	25.8	2.0	0.60	mg/l	1	05/22/14 16:09	CH	EPA 300/SW846 9056A
Sulfite [a]	1.5 U	3.0	1.5	mg/l	1	05/23/14 10:11	LE	SM4500SO3 B-11
Total Organic Carbon	1.4	1.0	0.23	mg/l	1	05/24/14 19:24	FN	SM5310 B-11/SW9060A

(a) Field analysis required. Received out of hold time and analyzed by request.

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	DW-4		
Lab Sample ID:	FA15195-3	**Date Sampled:**	05/21/14
Matrix:	AQ - Ground Water	**Date Received:**	05/22/14
		Percent Solids:	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Iron	3260	300	17	ug/l	1	05/28/14	05/28/14	LM	SW846 6010C [1]	SW846 3010A [2]
Manganese	221	15	1.0	ug/l	1	05/28/14	05/28/14	LM	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA11628
(2) Prep QC Batch: MP27307

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	DW-4		
Lab Sample ID:	FA15195-3	**Date Sampled:**	05/21/14
Matrix:	AQ - Ground Water	**Date Received:**	05/22/14
		Percent Solids:	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Nitrogen, Nitrate	0.56	0.10	0.050	mg/l	1	05/22/14 16:26	CH	EPA 300/SW846 9056A
Nitrogen, Nitrite	0.050 U	0.10	0.050	mg/l	1	05/22/14 16:26	CH	EPA 300/SW846 9056A
Sulfate	51.8	2.0	0.60	mg/l	1	05/22/14 16:26	CH	EPA 300/SW846 9056A
Sulfite [a]	1.5 U	3.0	1.5	mg/l	1	05/23/14 10:11	LE	SM4500SO3 B-11
Total Organic Carbon	2.0	1.0	0.23	mg/l	1	05/24/14 19:39	FN	SM5310 B-11/SW9060A

(a) Field analysis required. Received out of hold time and analyzed by request.

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	DW-1		
Lab Sample ID:	FA15195-4	**Date Sampled:**	05/21/14
Matrix:	AQ - Ground Water	**Date Received:**	05/22/14
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z26087.D	1	05/30/14	KW	n/a	n/a	VZ1017
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	1.0	0.30	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	111%		74-125%
2037-26-5	Toluene-D8	91%		88-111%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DW-1		
Lab Sample ID:	FA15195-4	**Date Sampled:**	05/21/14
Matrix:	AQ - Ground Water	**Date Received:**	05/22/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0076796.D	1	05/30/14	RB	n/a	n/a	VN3362
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	25	11	ug/l	
107-02-8	Acrolein	ND	20	6.4	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.24	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.31	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.38	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.26	ug/l	
75-25-2	Bromoform	ND	1.0	0.38	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.30	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.27	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	0.33	1.0	0.31	ug/l	J
95-49-8	o-Chlorotoluene	ND	1.0	0.23	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.29	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.40	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.25	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.78	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.24	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.24	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.36	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.34	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.33	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.36	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.33	ug/l	
156-59-2	cis-1,2-Dichloroethylene	16.4	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DW-1		
Lab Sample ID:	FA15195-4	**Date Sampled:**	05/21/14
Matrix:	AQ - Ground Water	**Date Received:**	05/22/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.29	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.34	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.28	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.24	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.53	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.29	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	1.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.24	ug/l	
100-42-5	Styrene	ND	1.0	0.23	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.34	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.27	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.32	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.57	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.24	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	1.7	1.0	0.26	ug/l	
108-88-3	Toluene	0.23	1.0	0.20	ug/l	J
79-01-6	Trichloroethylene	85.3	1.0	0.30	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.33	ug/l	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
	m,p-Xylene	ND	2.0	0.48	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DW-1		
Lab Sample ID:	FA15195-4	**Date Sampled:**	05/21/14
Matrix:	AQ - Ground Water	**Date Received:**	05/22/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		83-118%
17060-07-0	1,2-Dichloroethane-D4	107%		79-125%
2037-26-5	Toluene-D8	97%		85-112%
460-00-4	4-Bromofluorobenzene	100%		83-118%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
124-38-9	Carbon dioxide	2.40	8800	ug/l	JNB
115-11-7	1-Propene, 2-methyl-	2.88	36	ug/l	JN
	Total TIC, Volatile		36	ug/l	J

(a) Associated BS recovery outside control limits.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DW-1		
Lab Sample ID:	FA15195-4	**Date Sampled:**	05/21/14
Matrix:	AQ - Ground Water	**Date Received:**	05/22/14
		Percent Solids:	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Iron	356	300	17	ug/l	1	05/28/14	05/28/14	LM	SW846 6010C [1]	SW846 3010A [2]
Manganese	45.4	15	1.0	ug/l	1	05/28/14	05/28/14	LM	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA11628
(2) Prep QC Batch: MP27307

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	DW-1		
Lab Sample ID:	FA15195-4	**Date Sampled:**	05/21/14
Matrix:	AQ - Ground Water	**Date Received:**	05/22/14
		Percent Solids:	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Nitrogen, Nitrate	0.15	0.10	0.050	mg/l	1	05/22/14 16:43	CH	EPA 300/SW846 9056A
Nitrogen, Nitrite	0.050 U	0.10	0.050	mg/l	1	05/22/14 16:43	CH	EPA 300/SW846 9056A
Sulfate	8.0	2.0	0.60	mg/l	1	05/22/14 16:43	CH	EPA 300/SW846 9056A
Sulfite [a]	1.5 U	3.0	1.5	mg/l	1	05/23/14 10:11	LE	SM4500SO3 B-11
Total Organic Carbon	0.40 B	1.0	0.23	mg/l	1	05/24/14 19:54	FN	SM5310 B-11/SW9060A

(a) Field analysis required. Received out of hold time and analyzed by request.

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	DW-5		
Lab Sample ID:	FA15195-5	**Date Sampled:**	05/21/14
Matrix:	AQ - Ground Water	**Date Received:**	05/22/14
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z26088.D	1	05/30/14	KW	n/a	n/a	VZ1017
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	1.0	0.30	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	112%		74-125%
2037-26-5	Toluene-D8	90%		88-111%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DW-5		
Lab Sample ID:	FA15195-5	**Date Sampled:**	05/21/14
Matrix:	AQ - Ground Water	**Date Received:**	05/22/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0076797.D	1	05/30/14	RB	n/a	n/a	VN3362
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	25	11	ug/l	
107-02-8	Acrolein	ND	20	6.4	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.24	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.31	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.38	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.26	ug/l	
75-25-2	Bromoform	ND	1.0	0.38	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.30	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.27	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	1.8	1.0	0.31	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.23	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.29	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.40	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.25	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.78	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.24	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.24	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.36	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.34	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.33	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.36	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.33	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DW-5		
Lab Sample ID:	FA15195-5	**Date Sampled:**	05/21/14
Matrix:	AQ - Ground Water	**Date Received:**	05/22/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.29	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.34	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.28	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.24	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.53	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.29	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	1.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.24	ug/l	
100-42-5	Styrene	ND	1.0	0.23	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.34	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.27	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.32	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.57	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.24	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.26	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.30	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.33	ug/l	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
	m,p-Xylene	ND	2.0	0.48	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DW-5		
Lab Sample ID:	FA15195-5	**Date Sampled:**	05/21/14
Matrix:	AQ - Ground Water	**Date Received:**	05/22/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		83-118%
17060-07-0	1,2-Dichloroethane-D4	107%		79-125%
2037-26-5	Toluene-D8	98%		85-112%
460-00-4	4-Bromofluorobenzene	101%		83-118%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
124-38-9	Carbon dioxide	2.40	8300	ug/l	JNB
	Total TIC, Volatile		0	ug/l	

(a) Associated BS recovery outside control limits.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DW-5		
Lab Sample ID:	FA15195-5	**Date Sampled:**	05/21/14
Matrix:	AQ - Ground Water	**Date Received:**	05/22/14
		Percent Solids:	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Iron	2800	300	17	ug/l	1	05/28/14	05/28/14	LM	SW846 6010C [1]	SW846 3010A [2]
Manganese	61.5	15	1.0	ug/l	1	05/28/14	05/28/14	LM	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA11628
(2) Prep QC Batch: MP27307

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	DW-5		
Lab Sample ID:	FA15195-5	**Date Sampled:**	05/21/14
Matrix:	AQ - Ground Water	**Date Received:**	05/22/14
		Percent Solids:	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Nitrogen, Nitrate	0.25	0.10	0.050	mg/l	1	05/22/14 17:00	CH	EPA 300/SW846 9056A
Nitrogen, Nitrite	0.050 U	0.10	0.050	mg/l	1	05/22/14 17:00	CH	EPA 300/SW846 9056A
Sulfate	31.7	2.0	0.60	mg/l	1	05/22/14 17:00	CH	EPA 300/SW846 9056A
Sulfite [a]	1.5 U	3.0	1.5	mg/l	1	05/23/14 10:11	LE	SM4500SO3 B-11
Total Organic Carbon	0.71 B	1.0	0.23	mg/l	1	05/24/14 20:40	FN	SM5310 B-11/SW9060A

(a) Field analysis required. Received out of hold time and analyzed by request.

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	MW-8		
Lab Sample ID:	FA15195-6	**Date Sampled:**	05/21/14
Matrix:	AQ - Ground Water	**Date Received:**	05/22/14
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z26089.D	1	05/30/14	KW	n/a	n/a	VZ1017
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	1.0	0.30	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	110%		74-125%
2037-26-5	Toluene-D8	92%		88-111%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-8		
Lab Sample ID:	FA15195-6	**Date Sampled:**	05/21/14
Matrix:	AQ - Ground Water	**Date Received:**	05/22/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0076807.D	1	05/30/14	RB	n/a	n/a	VN3362
Run #2	N0076798.D	2	05/30/14	RB	n/a	n/a	VN3362

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	25	11	ug/l	
107-02-8	Acrolein	ND	20	6.4	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.24	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.31	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.38	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.26	ug/l	
75-25-2	Bromoform	ND	1.0	0.38	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.30	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.27	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	0.35	1.0	0.31	ug/l	J
95-49-8	o-Chlorotoluene	ND	1.0	0.23	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.29	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	0.50	2.0	0.20	ug/l	J
56-23-5	Carbon tetrachloride	ND	1.0	0.40	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.25	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.78	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.24	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.24	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.36	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.34	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.33	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.36	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.33	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.49	1.0	0.33	ug/l	J
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-8		
Lab Sample ID:	FA15195-6	**Date Sampled:**	05/21/14
Matrix:	AQ - Ground Water	**Date Received:**	05/22/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.29	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.34	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.28	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.24	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.53	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.29	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	1.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.24	ug/l	
100-42-5	Styrene	ND	1.0	0.23	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.34	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.27	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.32	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.57	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.24	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	0.73	1.0	0.26	ug/l	J
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	92.3 [b]	2.0	0.60	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.33	ug/l	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
	m,p-Xylene	ND	2.0	0.48	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-8		
Lab Sample ID:	FA15195-6	**Date Sampled:**	05/21/14
Matrix:	AQ - Ground Water	**Date Received:**	05/22/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%	104%	83-118%
17060-07-0	1,2-Dichloroethane-D4	110%	109%	79-125%
2037-26-5	Toluene-D8	98%	97%	85-112%
460-00-4	4-Bromofluorobenzene	101%	101%	83-118%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
124-38-9	Carbon dioxide	2.40	11000	ug/l	JNB
	Total TIC, Volatile		0	ug/l	

(a) Associated BS recovery outside control limits.
(b) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-8		
Lab Sample ID:	FA15195-6	**Date Sampled:**	05/21/14
Matrix:	AQ - Ground Water	**Date Received:**	05/22/14
		Percent Solids:	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Iron	468	300	17	ug/l	1	05/28/14	05/28/14	LM	SW846 6010C [1]	SW846 3010A [2]
Manganese	138	15	1.0	ug/l	1	05/28/14	05/28/14	LM	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA11628
(2) Prep QC Batch: MP27307

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	MW-8		
Lab Sample ID:	FA15195-6	**Date Sampled:**	05/21/14
Matrix:	AQ - Ground Water	**Date Received:**	05/22/14
		Percent Solids:	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Nitrogen, Nitrate	1.4	0.10	0.050	mg/l	1	05/22/14 13:20	CH	EPA 300/SW846 9056A
Nitrogen, Nitrite	0.050 U	0.10	0.050	mg/l	1	05/22/14 13:20	CH	EPA 300/SW846 9056A
Sulfate	0.97 B	2.0	0.60	mg/l	1	05/22/14 13:20	CH	EPA 300/SW846 9056A
Sulfite [a]	1.5 U	3.0	1.5	mg/l	1	05/23/14 10:11	LE	SM4500SO3 B-11
Total Organic Carbon	0.23 U	1.0	0.23	mg/l	1	05/24/14 20:54	FN	SM5310 B-11/SW9060A

(a) Field analysis required. Received out of hold time and analyzed by request.

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	MW-9		
Lab Sample ID:	FA15195-7	**Date Sampled:**	05/21/14
Matrix:	AQ - Ground Water	**Date Received:**	05/22/14
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z26090.D	1	05/30/14	KW	n/a	n/a	VZ1017
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	0.52	1.0	0.30	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	111%		74-125%
2037-26-5	Toluene-D8	89%		88-111%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-9		
Lab Sample ID:	FA15195-7	**Date Sampled:**	05/21/14
Matrix:	AQ - Ground Water	**Date Received:**	05/22/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0076799.D	2	05/30/14	RB	n/a	n/a	VN3362
Run #2	N0076808.D	25	05/30/14	RB	n/a	n/a	VN3362

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	50	21	ug/l	
107-02-8	Acrolein	ND	40	13	ug/l	
107-13-1	Acrylonitrile	ND	20	4.0	ug/l	
71-43-2	Benzene	ND	2.0	0.49	ug/l	
108-86-1	Bromobenzene	ND	2.0	0.63	ug/l	
74-97-5	Bromochloromethane	ND	2.0	0.75	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.52	ug/l	
75-25-2	Bromoform	ND	2.0	0.77	ug/l	
104-51-8	n-Butylbenzene	ND	2.0	0.60	ug/l	
135-98-8	sec-Butylbenzene	ND	2.0	0.54	ug/l	
98-06-6	tert-Butylbenzene	ND	2.0	0.57	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.48	ug/l	
75-00-3	Chloroethane	ND	4.0	1.0	ug/l	
67-66-3	Chloroform	1.2	2.0	0.62	ug/l	J
95-49-8	o-Chlorotoluene	ND	2.0	0.45	ug/l	
106-43-4	p-Chlorotoluene	ND	2.0	0.58	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	10	2.0	ug/l	
75-15-0	Carbon disulfide	ND	4.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.79	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.51	ug/l	
75-35-4	1,1-Dichloroethylene	ND	2.0	0.51	ug/l	
563-58-6	1,1-Dichloropropene	ND	2.0	0.56	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	4.0	1.6	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.48	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.48	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.71	ug/l	
142-28-9	1,3-Dichloropropane	ND	2.0	0.68	ug/l	
594-20-7	2,2-Dichloropropane	ND	2.0	0.66	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.72	ug/l	
75-71-8	Dichlorodifluoromethane	ND	4.0	0.66	ug/l	
156-59-2	cis-1,2-Dichloroethylene	14.7	2.0	0.65	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	0.42	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-9		
Lab Sample ID:	FA15195-7	**Date Sampled:**	05/21/14
Matrix:	AQ - Ground Water	**Date Received:**	05/22/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	ND	2.0	0.40	ug/l	
95-50-1	o-Dichlorobenzene	ND	2.0	0.59	ug/l	
106-46-7	p-Dichlorobenzene	ND	2.0	0.40	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	2.0	0.69	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	0.42	ug/l	
100-41-4	Ethylbenzene	ND	2.0	0.56	ug/l	
591-78-6	2-Hexanone	ND	20	4.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.0	1.0	ug/l	
98-82-8	Isopropylbenzene	ND	2.0	0.40	ug/l	
99-87-6	p-Isopropyltoluene	ND	2.0	0.48	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	10	2.0	ug/l	
74-83-9	Methyl bromide	ND	4.0	1.1	ug/l	
74-87-3	Methyl chloride	ND	4.0	1.1	ug/l	
74-95-3	Methylene bromide	ND	4.0	0.58	ug/l	
75-09-2	Methylene chloride	ND	10	4.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	10	3.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	2.0	0.40	ug/l	
91-20-3	Naphthalene	ND	10	2.0	ug/l	
103-65-1	n-Propylbenzene	ND	2.0	0.48	ug/l	
100-42-5	Styrene	ND	2.0	0.47	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.67	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.55	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.63	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	1.0	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	4.0	1.1	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	1.0	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	4.0	0.49	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	4.0	0.40	ug/l	
127-18-4	Tetrachloroethylene	39.7	2.0	0.51	ug/l	
108-88-3	Toluene	ND	2.0	0.40	ug/l	
79-01-6	Trichloroethylene	1950 [b]	25	7.6	ug/l	
75-69-4	Trichlorofluoromethane	ND	4.0	1.0	ug/l	
75-01-4	Vinyl chloride	ND	2.0	0.65	ug/l	
108-05-4	Vinyl Acetate	ND	20	4.0	ug/l	
	m,p-Xylene	0.97	4.0	0.96	ug/l	J
95-47-6	o-Xylene	ND	2.0	0.40	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-9		
Lab Sample ID:	FA15195-7	**Date Sampled:**	05/21/14
Matrix:	AQ - Ground Water	**Date Received:**	05/22/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%	103%	83-118%
17060-07-0	1,2-Dichloroethane-D4	108%	111%	79-125%
2037-26-5	Toluene-D8	98%	99%	85-112%
460-00-4	4-Bromofluorobenzene	103%	101%	83-118%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
124-38-9	Carbon dioxide	2.40	14000	ug/l	JNB
625-31-0	4-Penten-2-ol	4.80	88	ug/l	JN
	Total TIC, Volatile		88	ug/l	J

(a) Associated BS recovery outside control limits.
(b) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-9		
Lab Sample ID:	FA15195-7	**Date Sampled:**	05/21/14
Matrix:	AQ - Ground Water	**Date Received:**	05/22/14
		Percent Solids:	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Iron	10300	300	17	ug/l	1	05/28/14	05/28/14	LM	SW846 6010C [1]	SW846 3010A [2]
Manganese	203	15	1.0	ug/l	1	05/28/14	05/28/14	LM	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA11628
(2) Prep QC Batch: MP27307

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	MW-9		
Lab Sample ID:	FA15195-7	**Date Sampled:**	05/21/14
Matrix:	AQ - Ground Water	**Date Received:**	05/22/14
		Percent Solids:	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Nitrogen, Nitrate	0.34	0.10	0.050	mg/l	1	05/22/14 13:03	CH	EPA 300/SW846 9056A
Nitrogen, Nitrite	0.050 U	0.10	0.050	mg/l	1	05/22/14 13:03	CH	EPA 300/SW846 9056A
Sulfate	0.86 B	2.0	0.60	mg/l	1	05/22/14 13:03	CH	EPA 300/SW846 9056A
Sulfite [a]	1.5 U	3.0	1.5	mg/l	1	05/23/14 10:11	LE	SM4500SO3 B-11
Total Organic Carbon	0.24 B	1.0	0.23	mg/l	1	05/24/14 21:09	FN	SM5310 B-11/SW9060A

(a) Field analysis required. Received out of hold time and analyzed by request.

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	MW-14		
Lab Sample ID:	FA15195-8	**Date Sampled:**	05/21/14
Matrix:	AQ - Ground Water	**Date Received:**	05/22/14
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z26091.D	1	05/30/14	KW	n/a	n/a	VZ1017
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	1.0	0.30	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	111%		74-125%
2037-26-5	Toluene-D8	91%		88-111%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-14		
Lab Sample ID:	FA15195-8	**Date Sampled:**	05/21/14
Matrix:	AQ - Ground Water	**Date Received:**	05/22/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0076800.D	1	05/30/14	RB	n/a	n/a	VN3362
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	25	11	ug/l	
107-02-8	Acrolein	ND	20	6.4	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.24	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.31	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.38	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.26	ug/l	
75-25-2	Bromoform	ND	1.0	0.38	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.30	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.27	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.31	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.23	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.29	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.40	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.25	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.78	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.24	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.24	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.36	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.34	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.33	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.36	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.33	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-14		
Lab Sample ID:	FA15195-8	**Date Sampled:**	05/21/14
Matrix:	AQ - Ground Water	**Date Received:**	05/22/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.29	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.34	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.28	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.24	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.53	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.29	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	1.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.24	ug/l	
100-42-5	Styrene	ND	1.0	0.23	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.34	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.27	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.32	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.57	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.24	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.26	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.30	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.33	ug/l	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
	m,p-Xylene	ND	2.0	0.48	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-14		
Lab Sample ID:	FA15195-8	**Date Sampled:**	05/21/14
Matrix:	AQ - Ground Water	**Date Received:**	05/22/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		83-118%
17060-07-0	1,2-Dichloroethane-D4	109%		79-125%
2037-26-5	Toluene-D8	98%		85-112%
460-00-4	4-Bromofluorobenzene	99%		83-118%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
124-38-9	Carbon dioxide	2.40	7800	ug/l	JNB
	Total TIC, Volatile		0	ug/l	

(a) Associated BS recovery outside control limits.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-15		
Lab Sample ID:	FA15195-9	**Date Sampled:**	05/21/14
Matrix:	AQ - Ground Water	**Date Received:**	05/22/14
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z26092.D	1	05/30/14	KW	n/a	n/a	VZ1017
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	1.0	0.30	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	111%		74-125%
2037-26-5	Toluene-D8	92%		88-111%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-15		
Lab Sample ID:	FA15195-9	**Date Sampled:**	05/21/14
Matrix:	AQ - Ground Water	**Date Received:**	05/22/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0076802.D	1	05/30/14	RB	n/a	n/a	VN3362
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	25	11	ug/l	
107-02-8	Acrolein	ND	20	6.4	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.24	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.31	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.38	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.26	ug/l	
75-25-2	Bromoform	ND	1.0	0.38	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.30	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.27	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.31	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.23	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.29	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.40	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.25	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.78	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.24	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.24	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.36	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.34	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.33	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.36	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.33	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-15		
Lab Sample ID:	FA15195-9	**Date Sampled:**	05/21/14
Matrix:	AQ - Ground Water	**Date Received:**	05/22/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.29	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.34	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.28	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.24	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.53	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.29	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	1.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.24	ug/l	
100-42-5	Styrene	ND	1.0	0.23	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.34	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.27	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.32	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.57	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.24	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.26	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.30	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.33	ug/l	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
	m,p-Xylene	ND	2.0	0.48	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-15		
Lab Sample ID:	FA15195-9	**Date Sampled:**	05/21/14
Matrix:	AQ - Ground Water	**Date Received:**	05/22/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		83-118%
17060-07-0	1,2-Dichloroethane-D4	108%		79-125%
2037-26-5	Toluene-D8	98%		85-112%
460-00-4	4-Bromofluorobenzene	100%		83-118%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
124-38-9	Carbon dioxide	2.39	7300	ug/l	JNB
75-04-7	Ethylamine	4.79	75	ug/l	JN
	Total TIC, Volatile		75	ug/l	J

(a) Associated BS recovery outside control limits.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-11		
Lab Sample ID:	FA15195-10	**Date Sampled:**	05/21/14
Matrix:	AQ - Ground Water	**Date Received:**	05/22/14
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z26093.D	1	05/30/14	KW	n/a	n/a	VZ1017
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	1.0	0.30	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	111%		74-125%
2037-26-5	Toluene-D8	91%		88-111%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-11		
Lab Sample ID:	FA15195-10	**Date Sampled:**	05/21/14
Matrix:	AQ - Ground Water	**Date Received:**	05/22/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0076803.D	1	05/30/14	RB	n/a	n/a	VN3362
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	25	11	ug/l	
107-02-8	Acrolein	ND	20	6.4	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.24	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.31	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.38	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.26	ug/l	
75-25-2	Bromoform	ND	1.0	0.38	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.30	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.27	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.31	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.23	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.29	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.40	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.25	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.78	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.24	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.24	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.36	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.34	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.33	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.36	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.33	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-11		
Lab Sample ID:	FA15195-10	**Date Sampled:**	05/21/14
Matrix:	AQ - Ground Water	**Date Received:**	05/22/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.29	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.34	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.28	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.24	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.53	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.29	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	1.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.24	ug/l	
100-42-5	Styrene	ND	1.0	0.23	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.34	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.27	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.32	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.57	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.24	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.26	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.30	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.33	ug/l	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
	m,p-Xylene	ND	2.0	0.48	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-11		
Lab Sample ID:	FA15195-10	**Date Sampled:**	05/21/14
Matrix:	AQ - Ground Water	**Date Received:**	05/22/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		83-118%
17060-07-0	1,2-Dichloroethane-D4	109%		79-125%
2037-26-5	Toluene-D8	98%		85-112%
460-00-4	4-Bromofluorobenzene	100%		83-118%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
124-38-9	Carbon dioxide	2.40	11000	ug/l	JNB
	Total TIC, Volatile		0	ug/l	

(a) Associated BS recovery outside control limits.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	FA15195-11	**Date Sampled:**	05/21/14
Matrix:	AQ - Trip Blank Water	**Date Received:**	05/22/14
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	Z26077.D	1	05/30/14	KW	n/a	n/a	VZ1017
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	1.0	0.30	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	114%		74-125%
2037-26-5	Toluene-D8	90%		88-111%

(a) Sample vial(s) contained significant headspace; reported results are considered minimum values.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	FA15195-11	**Date Sampled:**	05/21/14
Matrix:	AQ - Trip Blank Water	**Date Received:**	05/22/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0076804.D	1	05/30/14	RB	n/a	n/a	VN3362
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	25	11	ug/l	
107-02-8	Acrolein	ND	20	6.4	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.24	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.31	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.38	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.26	ug/l	
75-25-2	Bromoform	ND	1.0	0.38	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.30	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.27	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.31	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.23	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.29	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.40	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.25	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.78	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.24	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.24	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.36	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.34	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.33	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.36	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.33	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	FA15195-11	**Date Sampled:**	05/21/14
Matrix:	AQ - Trip Blank Water	**Date Received:**	05/22/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.29	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.34	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.28	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.24	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.53	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.29	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	1.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.24	ug/l	
100-42-5	Styrene	ND	1.0	0.23	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.34	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.27	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.32	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.57	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.24	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.26	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.30	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.33	ug/l	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
	m,p-Xylene	ND	2.0	0.48	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	FA15195-11	**Date Sampled:**	05/21/14
Matrix:	AQ - Trip Blank Water	**Date Received:**	05/22/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		83-118%
17060-07-0	1,2-Dichloroethane-D4	110%		79-125%
2037-26-5	Toluene-D8	98%		85-112%
460-00-4	4-Bromofluorobenzene	100%		83-118%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
124-38-9	Carbon dioxide	2.39	1500	ug/l	JNB
75-04-7	Ethylamine	4.78	87	ug/l	JN
	Total TIC, Volatile		87	ug/l	J

(a) Associated BS recovery outside control limits.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Southeast ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

Accutest Laboratories Southeast
Chain of Custody

ACCUTEST LABORATORIES

4405 Vineland Road, Suite C-15 Orlando, Fl 32811
TEL. 407-425-6700 • FAX: 407-425-0707
www.accutest.com

Accutest JOB # FA15195

PAGE 1 OF 1

Accutest Quote #

SKIFF#

Client / Reporting Information

Company Name: ERM NC INC
Address: 15720 John Delaney Dr.
City: Charlotte State: NC Zip: 28277
Project Contact: Lane Damon E-mail: Lane.Damon@erm.com
Phone#: 919-233-4501
Sampler(s) Name(s) (Printed): Ryan Mayette Tamara Fischer

Project Information

Project Name: ECI - ELON
Street: 100 Regis Dr.
City: ELON State: NC
Project #
Fax #
Client Purchase Order #

Analytical Information

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe

Accutest Sample #	Field ID / Point of Collection	Collection DATE	Collection TIME	SAMPLED BY	MATRIX	TOTAL # OF BOTTLES	OTHER	NONE	HCl	NaOH	HNO3	H2SO4	NaOH+ZNAC	DI WATER	MEOH	VOC 8260	1,4 D	MNA*	HSL**									LAB USE ONLY
1	MW-16	5/21/14	0930	RM	GW	10		X	X		X					X	X	X										
2	DW-3	5/21/14	1100	RM	GW	10		X	X		X					X	X	X										
3	DW-4	5/21/14	1305	RM	GW	10		X	X		X					X	X	X										
4	DW-1	5/21/14	1245	TF	GW	10		X	X		X					X	X	X										
5	DW-5	5/21/14	1140	TF	GW	10		X	X		X					X	X	X										
6	MW-8	5/20/14	1755	TF	GW	10		X	X		X					X	X	X										
7	MW-9	5/20/14	1615	TF	GW	10		X	X		X					X	X	X										
8	MW-14	5/21/14	1025	TF	GW	6			X							X	X											
9	MW-15	5/21/14	0940	TF	GW	6			X							X	X											
10	MW-11	5/20/14	1630	RM	GW	6			X							X	X											
11	Trip Blank	5/21/14	—	—	LIQ	2			X							X	X											

TURNAROUND TIME (Business Days)

Approved By: / Rush Code

- [x] 10 Days Standard
- [ ] 7 Day RUSH
- [ ] 5 Day RUSH
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY
- [ ] OTHER

Emergency or Rush T/A Data Available VIA Email or Lablink

Data Deliverable Information

- [ ] COMMERCIAL "A" (RESULTS ONLY)
- [ ] COMMERCIAL "B" (RESULTS PLUS QC)
- [ ] REDT1 (EPA LEVEL 3)
- [ ] FULT1 (EPA LEVEL 4)
- [ ] EDD'S

RALEIGH, NC

SVC CENTER

Comments / Remarks

*MNA - Nitrate/Nitrite, Sulfate/Sulfite, Iron Mn, and total organic carbon

**HSL - antimony, beryllium, Cu, Mn, Ni Th, Zn

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
1 Ryan Mayette/ERM NC Inc.	5/21/14 1345	2 Brent Nadler	3 Brent Nadler	5/21/14 1740	4 FX
Relinquished by:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
5 FX 05-22-14	1000	6 [illegible]	7		8

Lab Use Only: Custody Seal in Place: Y N Temp Blank Provided: Y N Preserved where Applicable: Y N Total # of Coolers: Cooler Temperature (s) Celsius: 1.8 2.2

FA15195: Chain of Custody
Page 1 of 4

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: FA15195 CLIENT: ERM PROJECT: GCI ELON

DATE/TIME RECEIVED: 05-22-14 1000 {MM/DD/YY 24:00} NUMBER OF COOLERS RECEIVED: 2

METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 7700 5844 0500 / 0521

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET

TRIP BLANK INFORMATION

- [X] TRIP BLANK PROVIDED
- [ ] TRIP BLANK NOT PROVIDED
- [ ] TRIP BLANK NOT ON COC
- [X] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [X] RECEIVED WATER TRIP BLANK
- [ ] RECEIVED SOIL TRIP BLANK

MISC. INFORMATION

NUMBER OF ENCORES ? 25-GRAM_____ 5-GRAM_____

NUMBER OF 5035 FIELD KITS ? _____

NUMBER OF LAB FILTERED METALS ? _____

TEMPERATURE INFORMATION

- [ ] IR THERM ID 1 CORR. FACTOR +0.4
- [ ] OBSERVED TEMPS: 1.4 1.8
- [ ] CORRECTED TEMPS: 1.8 2.2

SAMPLE INFORMATION

- [ ] INCORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] DATES/TIMES ON COC DO NOT MATCH SAMPLE LABEL
- [ ] ID'S ON COC DO NOT MATCH LABEL
- [X] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING OR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] 5035 FIELD KITS NOT RECEIVED WITHIN 48 HOURS
- [ ] BULK VOA SOIL JARS NOT RECEIVED WITHIN 48 HOURS
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] RESIDUAL CHLORINE PRESENT

{APPICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS}

SUMMARY OF COMMENTS: Sample #3 All 3 8260 vial Have Macro Bubbles

TECHNICIAN SIGNATURE/DATE 05-22-14 REVIEWER SIGNATURE/DATE 05/22/14

RS 04/14 receipt confirmation 041514.xls

4.1

4

FA15195: Chain of Custody
Page 2 of 2

From: (919) 208-7171
Brent Rader
Accutest Labs Southeast
6308 - C Angus Drive

Raleigh, NC 27617

Origin ID: RZZA

FedEx Express

J1410140207332G

Ship Date: 21MAY14
ActWgt: 15.0 LB
CAD: 9855222/INET3490

Delivery Address Bar Code

SHIP TO: (407) 425-6700
Sample Receiving
Accutest SE
4405 VINELAND RD.
STE. C15
ORLANDO, FL 32811

BILL SENDER

Ref #
Invoice #
PO #
Dept #

2 of 3

THU - 22 MAY AA
STANDARD OVERNIGHT

MPS# 7700 5844 0521
0263

Mstr# 7700 5844 0500

0201

XH TIXA

32811
FL-US
MCO

522G1/52D3/F220

After printing this label:
1. Use the 'Print' button on this page to print your label to your laser or inkjet printer.
2. Fold the printed page along the horizontal line.
3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

/templates/components/dotcom_label_contents/WarningsOriginalLabel/en/Folding_warning.html loading...
/templates/components/dotcom_label_contents/TnCDom/us/en/TC_dom.html loading...

4.1 4

FA15195: Chain of Custody
Page 3 of 4

From: (919) 208-7171
Brent Rader
Accutest Labs Southeast
6308 - C Angus Drive

Raleigh, NC 27617

Origin ID: RZZA

FedEx. Express

J1410140209O326

Ship Date: 21MAY14
ActWgt: 15.0 LB
CAD: 9855222/INET3490

Delivery Address Bar Code

SHIP TO: (407) 425-6700
Sample Receiving
Accutest SE
4405 VINELAND RD.
STE. C15
ORLANDO, FL 32811

BILL SENDER

Ref #
Invoice #
PO #
Dept #

3 of 3

THU - 22 MAY AA
STANDARD OVERNIGHT

MPS# 7700 5844 0359
0263

Mstr# 7700 5844 0500

0201

XH TIXA

32811
FL-US
MCO

522G1/62003/F220

After printing this label:
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2. Fold the printed page along the horizontal line.
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/templates/components/dotcom_label_contents/WarningsOriginalLabel/en/Folding_w arning.html loading...
/templates/components/dotcom_label_contents/TnCDom/us/en/TC_dom.html loading...

Southeast ACCUTEST LABORATORIES

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: FA15195
Account: ERMNCR ERM
Project: ECI; 100 Rego Dr, Elon, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VZ1017-MB	Z26076.D	1	05/30/14	KW	n/a	n/a	VZ1017

The QC reported here applies to the following samples: **Method:** SW846 8260B BY SIM

FA15195-2, FA15195-4, FA15195-5, FA15195-6, FA15195-7, FA15195-8, FA15195-9, FA15195-10, FA15195-11

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	1.0	0.30	ug/l	

CAS No.	Surrogate Recoveries		Limits
17060-07-0	1,2-Dichloroethane-D4	115%	74-125%
2037-26-5	Toluene-D8	91%	88-111%

Method Blank Summary

Job Number: FA15195
Account: ERMNCR ERM
Project: ECI; 100 Rego Dr, Elon, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VZ1018-MB	Z26105.D	1	06/02/14	KW	n/a	n/a	VZ1018

The QC reported here applies to the following samples: **Method:** SW846 8260B BY SIM

FA15195-1

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	1.0	0.30	ug/l	

CAS No.	Surrogate Recoveries		Limits
17060-07-0	1,2-Dichloroethane-D4	108%	74-125%
2037-26-5	Toluene-D8	92%	88-111%

Method Blank Summary

Job Number: FA15195
Account: ERMNCR ERM
Project: ECI; 100 Rego Dr, Elon, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VN3362-MB	N0076790.D	1	05/30/14	RB	n/a	n/a	VN3362

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA15195-1, FA15195-2, FA15195-4, FA15195-5, FA15195-6, FA15195-7, FA15195-8, FA15195-9, FA15195-10, FA15195-11

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	11	ug/l	
107-02-8	Acrolein	ND	20	6.4	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.24	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.31	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.38	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.26	ug/l	
75-25-2	Bromoform	ND	1.0	0.38	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.30	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.27	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.31	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.23	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.29	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.40	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.25	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.78	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.24	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.24	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.36	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.34	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.33	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.36	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.33	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.29	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.34	ug/l	

Method Blank Summary

Job Number: FA15195
Account: ERMNCR ERM
Project: ECI; 100 Rego Dr, Elon, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VN3362-MB	N0076790.D	1	05/30/14	RB	n/a	n/a	VN3362

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA15195-1, FA15195-2, FA15195-4, FA15195-5, FA15195-6, FA15195-7, FA15195-8, FA15195-9, FA15195-10, FA15195-11

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.28	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.24	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.53	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.29	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	1.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.24	ug/l	
100-42-5	Styrene	ND	1.0	0.23	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.34	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.27	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.32	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.57	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.24	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.26	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.30	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.33	ug/l	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
	m,p-Xylene	ND	2.0	0.48	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

Method Blank Summary

Job Number: FA15195
Account: ERMNCR ERM
Project: ECI; 100 Rego Dr, Elon, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VN3362-MB	N0076790.D	1	05/30/14	RB	n/a	n/a	VN3362

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA15195-1, FA15195-2, FA15195-4, FA15195-5, FA15195-6, FA15195-7, FA15195-8, FA15195-9, FA15195-10, FA15195-11

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	100%	83-118%
17060-07-0	1,2-Dichloroethane-D4	102%	79-125%
2037-26-5	Toluene-D8	98%	85-112%
460-00-4	4-Bromofluorobenzene	102%	83-118%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
124-38-9	Carbon dioxide	2.39	340	ug/l	JN
	Total TIC, Volatile		0	ug/l	

Blank Spike Summary

Job Number: FA15195
Account: ERMNCR ERM
Project: ECI; 100 Rego Dr, Elon, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VZ1017-BS	Z26075.D	1	05/30/14	KW	n/a	n/a	VZ1017

The QC reported here applies to the following samples: **Method:** SW846 8260B BY SIM

FA15195-2, FA15195-4, FA15195-5, FA15195-6, FA15195-7, FA15195-8, FA15195-9, FA15195-10, FA15195-11

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
123-91-1	1,4-Dioxane	50	47.0	94	65-121

CAS No.	Surrogate Recoveries	BSP	Limits
17060-07-0	1,2-Dichloroethane-D4	114%	74-125%
2037-26-5	Toluene-D8	92%	88-111%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA15195
Account: ERMNCR ERM
Project: ECI; 100 Rego Dr, Elon, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VZ1018-BS	Z26104.D	1	06/02/14	KW	n/a	n/a	VZ1018

The QC reported here applies to the following samples: **Method:** SW846 8260B BY SIM

FA15195-1

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
123-91-1	1,4-Dioxane	50	46.9	94	65-121

CAS No.	Surrogate Recoveries	BSP	Limits
17060-07-0	1,2-Dichloroethane-D4	106%	74-125%
2037-26-5	Toluene-D8	92%	88-111%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA15195
Account: ERMNCR ERM
Project: ECI; 100 Rego Dr, Elon, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VN3362-BS	N0076788.D	1	05/30/14	RB	n/a	n/a	VN3362

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA15195-1, FA15195-2, FA15195-4, FA15195-5, FA15195-6, FA15195-7, FA15195-8, FA15195-9, FA15195-10, FA15195-11

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	210	168*	50-147
107-02-8	Acrolein	125	58.7	47	31-154
107-13-1	Acrylonitrile	125	129	103	58-126
71-43-2	Benzene	25	25.0	100	81-122
108-86-1	Bromobenzene	25	24.5	98	80-121
74-97-5	Bromochloromethane	25	24.6	98	76-123
75-27-4	Bromodichloromethane	25	24.9	100	79-123
75-25-2	Bromoform	25	23.3	93	66-123
104-51-8	n-Butylbenzene	25	26.5	106	79-126
135-98-8	sec-Butylbenzene	25	26.6	106	83-133
98-06-6	tert-Butylbenzene	25	27.3	109	80-133
108-90-7	Chlorobenzene	25	26.8	107	82-124
75-00-3	Chloroethane	25	24.0	96	62-144
67-66-3	Chloroform	25	25.3	101	80-124
95-49-8	o-Chlorotoluene	25	26.4	106	81-127
106-43-4	p-Chlorotoluene	25	26.8	107	83-130
110-75-8	2-Chloroethyl vinyl ether	125	124	99	56-122
75-15-0	Carbon disulfide	25	24.7	99	66-148
56-23-5	Carbon tetrachloride	25	27.3	109	76-136
75-34-3	1,1-Dichloroethane	25	25.7	103	81-122
75-35-4	1,1-Dichloroethylene	25	28.3	113	78-137
563-58-6	1,1-Dichloropropene	25	27.1	108	79-131
96-12-8	1,2-Dibromo-3-chloropropane	25	24.6	98	64-123
106-93-4	1,2-Dibromoethane	25	24.1	96	75-120
107-06-2	1,2-Dichloroethane	25	24.9	100	75-125
78-87-5	1,2-Dichloropropane	25	24.5	98	76-124
142-28-9	1,3-Dichloropropane	25	23.9	96	80-118
594-20-7	2,2-Dichloropropane	25	28.8	115	74-139
124-48-1	Dibromochloromethane	25	24.0	96	78-122
75-71-8	Dichlorodifluoromethane	25	25.9	104	42-167
156-59-2	cis-1,2-Dichloroethylene	25	25.2	101	78-120
10061-01-5	cis-1,3-Dichloropropene	25	24.9	100	75-118
541-73-1	m-Dichlorobenzene	25	26.5	106	84-125
95-50-1	o-Dichlorobenzene	25	26.5	106	82-124
106-46-7	p-Dichlorobenzene	25	24.1	96	78-120
156-60-5	trans-1,2-Dichloroethylene	25	26.3	105	76-127

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA15195
Account: ERMNCR ERM
Project: ECI; 100 Rego Dr, Elon, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VN3362-BS	N0076788.D	1	05/30/14	RB	n/a	n/a	VN3362

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA15195-1, FA15195-2, FA15195-4, FA15195-5, FA15195-6, FA15195-7, FA15195-8, FA15195-9, FA15195-10, FA15195-11

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
10061-02-6	trans-1,3-Dichloropropene	25	26.9	108	80-120
100-41-4	Ethylbenzene	25	25.3	101	81-121
591-78-6	2-Hexanone	125	160	128	61-129
87-68-3	Hexachlorobutadiene	25	26.4	106	75-142
98-82-8	Isopropylbenzene	25	28.8	115	83-132
99-87-6	p-Isopropyltoluene	25	26.3	105	79-130
108-10-1	4-Methyl-2-pentanone	125	116	93	66-122
74-83-9	Methyl bromide	25	25.2	101	59-143
74-87-3	Methyl chloride	25	26.8	107	50-159
74-95-3	Methylene bromide	25	24.3	97	78-119
75-09-2	Methylene chloride	25	24.1	96	69-135
78-93-3	Methyl ethyl ketone	125	145	116	56-143
1634-04-4	Methyl Tert Butyl Ether	25	23.7	95	72-117
91-20-3	Naphthalene	25	22.3	89	63-132
103-65-1	n-Propylbenzene	25	26.2	105	82-133
100-42-5	Styrene	25	26.0	104	78-119
630-20-6	1,1,1,2-Tetrachloroethane	25	25.1	100	77-122
71-55-6	1,1,1-Trichloroethane	25	27.5	110	75-130
79-34-5	1,1,2,2-Tetrachloroethane	25	24.1	96	72-120
79-00-5	1,1,2-Trichloroethane	25	24.0	96	76-119
87-61-6	1,2,3-Trichlorobenzene	25	25.4	102	68-131
96-18-4	1,2,3-Trichloropropane	25	24.3	97	77-120
120-82-1	1,2,4-Trichlorobenzene	25	26.1	104	73-129
95-63-6	1,2,4-Trimethylbenzene	25	23.9	96	79-120
108-67-8	1,3,5-Trimethylbenzene	25	25.2	101	79-120
127-18-4	Tetrachloroethylene	25	25.9	104	76-135
108-88-3	Toluene	25	24.8	99	80-120
79-01-6	Trichloroethylene	25	24.4	98	81-126
75-69-4	Trichlorofluoromethane	25	27.9	112	71-156
75-01-4	Vinyl chloride	25	25.4	102	69-159
108-05-4	Vinyl Acetate	125	148	118	43-154
	m,p-Xylene	50	50.5	101	79-126
95-47-6	o-Xylene	25	25.6	102	80-127

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA15195
Account: ERMNCR ERM
Project: ECI; 100 Rego Dr, Elon, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VN3362-BS	N0076788.D	1	05/30/14	RB	n/a	n/a	VN3362

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA15195-1, FA15195-2, FA15195-4, FA15195-5, FA15195-6, FA15195-7, FA15195-8, FA15195-9, FA15195-10, FA15195-11

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	101%	83-118%
17060-07-0	1,2-Dichloroethane-D4	99%	79-125%
2037-26-5	Toluene-D8	99%	85-112%
460-00-4	4-Bromofluorobenzene	97%	83-118%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA15195
Account: ERMNCR ERM
Project: ECI; 100 Rego Dr, Elon, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA15195-2MS	Z26098.D	1	05/30/14	KW	n/a	n/a	VZ1017
FA15195-2MSD	Z26099.D	1	05/30/14	KW	n/a	n/a	VZ1017
FA15195-2	Z26085.D	1	05/30/14	KW	n/a	n/a	VZ1017

The QC reported here applies to the following samples: **Method:** SW846 8260B BY SIM

FA15195-2, FA15195-4, FA15195-5, FA15195-6, FA15195-7, FA15195-8, FA15195-9, FA15195-10, FA15195-11

CAS No.	Compound	FA15195-2 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
123-91-1	1,4-Dioxane	ND		50	46.8	94	50	48.1	96	3	65-121/27

CAS No.	Surrogate Recoveries	MS	MSD	FA15195-2	Limits
17060-07-0	1,2-Dichloroethane-D4	109%	108%	112%	74-125%
2037-26-5	Toluene-D8	91%	91%	91%	88-111%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA15195
Account: ERMNCR ERM
Project: ECI; 100 Rego Dr, Elon, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA15234-2MS	Z26109.D	1	06/02/14	KW	n/a	n/a	VZ1018
FA15234-2MSD	Z26110.D	1	06/02/14	KW	n/a	n/a	VZ1018
FA15234-2	Z26108.D	1	06/02/14	KW	n/a	n/a	VZ1018

The QC reported here applies to the following samples: **Method:** SW846 8260B BY SIM

FA15195-1

CAS No.	Compound	FA15234-2 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
123-91-1	1,4-Dioxane	22.0		50	70.8	98	50	72.2	100	2	65-121/27

CAS No.	Surrogate Recoveries	MS	MSD	FA15234-2	Limits
17060-07-0	1,2-Dichloroethane-D4	107%	107%	106%	74-125%
2037-26-5	Toluene-D8	92%	91%	91%	88-111%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA15195
Account: ERMNCR ERM
Project: ECI; 100 Rego Dr, Elon, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA15195-1MS	N0076809.D	1	05/30/14	RB	n/a	n/a	VN3362
FA15195-1MSD	N0076810.D	1	05/30/14	RB	n/a	n/a	VN3362
FA15195-1	N0076793.D	1	05/30/14	RB	n/a	n/a	VN3362

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA15195-1, FA15195-2, FA15195-4, FA15195-5, FA15195-6, FA15195-7, FA15195-8, FA15195-9, FA15195-10, FA15195-11

CAS No.	Compound	FA15195-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		125	93.9	75	125	91.1	73	3	50-147/21
107-02-8	Acrolein	ND		125	54.8	44	125	54.6	44	0	31-154/29
107-13-1	Acrylonitrile	ND		125	125	100	125	122	98	2	58-126/16
71-43-2	Benzene	ND		25	26.3	105	25	24.6	98	7	81-122/14
108-86-1	Bromobenzene	ND		25	25.8	103	25	24.2	97	6	80-121/14
74-97-5	Bromochloromethane	ND		25	26.3	105	25	24.7	99	6	76-123/14
75-27-4	Bromodichloromethane	ND		25	27.0	108	25	24.4	98	10	79-123/19
75-25-2	Bromoform	ND		25	19.1	76	25	18.5	74	3	66-123/21
104-51-8	n-Butylbenzene	ND		25	27.3	109	25	25.5	102	7	79-126/16
135-98-8	sec-Butylbenzene	ND		25	27.6	110	25	25.6	102	8	83-133/16
98-06-6	tert-Butylbenzene	ND		25	28.8	115	25	26.7	107	8	80-133/16
108-90-7	Chlorobenzene	ND		25	28.0	112	25	25.9	104	8	82-124/14
75-00-3	Chloroethane	ND		25	19.0	76	25	18.6	74	2	62-144/20
67-66-3	Chloroform	ND		25	27.9	112	25	25.8	103	8	80-124/15
95-49-8	o-Chlorotoluene	ND		25	27.6	110	25	25.7	103	7	81-127/15
106-43-4	p-Chlorotoluene	ND		25	28.0	112	25	25.7	103	9	83-130/15
110-75-8	2-Chloroethyl vinyl ether	ND		125	ND	0*	125	ND	0*	nc	56-122/23
75-15-0	Carbon disulfide	ND		25	24.6	98	25	21.8	87	12	66-148/23
56-23-5	Carbon tetrachloride	ND		25	31.5	126	25	27.4	110	14	76-136/23
75-34-3	1,1-Dichloroethane	ND		25	26.9	108	25	24.6	98	9	81-122/15
75-35-4	1,1-Dichloroethylene	ND		25	30.3	121	25	27.3	109	10	78-137/18
563-58-6	1,1-Dichloropropene	ND		25	29.2	117	25	26.9	108	8	79-131/16
96-12-8	1,2-Dibromo-3-chloropropane	ND		25	25.1	100	25	26.3	105	5	64-123/18
106-93-4	1,2-Dibromoethane	ND		25	25.0	100	25	24.1	96	4	75-120/13
107-06-2	1,2-Dichloroethane	ND		25	28.5	114	25	27.7	111	3	75-125/14
78-87-5	1,2-Dichloropropane	ND		25	25.9	104	25	23.4	94	10	76-124/14
142-28-9	1,3-Dichloropropane	ND		25	24.9	100	25	24.1	96	3	80-118/13
594-20-7	2,2-Dichloropropane	ND		25	31.6	126	25	28.9	116	9	74-139/17
124-48-1	Dibromochloromethane	ND		25	21.9	88	25	21.1	84	4	78-122/19
75-71-8	Dichlorodifluoromethane	ND		25	23.6	94	25	21.3	85	10	42-167/19
156-59-2	cis-1,2-Dichloroethylene	ND		25	26.3	105	25	24.4	98	7	78-120/15
10061-01-5	cis-1,3-Dichloropropene	ND		25	25.1	100	25	22.3	89	12	75-118/23
541-73-1	m-Dichlorobenzene	ND		25	27.6	110	25	26.0	104	6	84-125/14
95-50-1	o-Dichlorobenzene	ND		25	28.1	112	25	26.3	105	7	82-124/14
106-46-7	p-Dichlorobenzene	ND		25	25.6	102	25	23.7	95	8	78-120/15
156-60-5	trans-1,2-Dichloroethylene	ND		25	27.6	110	25	24.8	99	11	76-127/17

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA15195
Account: ERMNCR ERM
Project: ECI; 100 Rego Dr, Elon, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA15195-1MS	N0076809.D	1	05/30/14	RB	n/a	n/a	VN3362
FA15195-1MSD	N0076810.D	1	05/30/14	RB	n/a	n/a	VN3362
FA15195-1	N0076793.D	1	05/30/14	RB	n/a	n/a	VN3362

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA15195-1, FA15195-2, FA15195-4, FA15195-5, FA15195-6, FA15195-7, FA15195-8, FA15195-9, FA15195-10, FA15195-11

CAS No.	Compound	FA15195-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
10061-02-6	trans-1,3-Dichloropropene	ND		25	27.8	111	25	25.9	104	7	80-120/22
100-41-4	Ethylbenzene	ND		25	26.2	105	25	24.3	97	8	81-121/14
591-78-6	2-Hexanone	ND		125	117	94	125	115	92	2	61-129/18
87-68-3	Hexachlorobutadiene	ND		25	27.5	110	25	25.8	103	6	75-142/19
98-82-8	Isopropylbenzene	ND		25	29.6	118	25	27.4	110	8	83-132/15
99-87-6	p-Isopropyltoluene	ND		25	26.6	106	25	24.7	99	7	79-130/16
108-10-1	4-Methyl-2-pentanone	ND		125	117	94	125	119	95	2	66-122/16
74-83-9	Methyl bromide	ND		25	21.6	86	25	19.6	78	10	59-143/19
74-87-3	Methyl chloride	ND		25	20.6	82	25	19.4	78	6	50-159/19
74-95-3	Methylene bromide	ND		25	26.7	107	25	26.0	104	3	78-119/14
75-09-2	Methylene chloride	ND		25	26.1	104	25	24.4	98	7	69-135/16
78-93-3	Methyl ethyl ketone	ND		125	99.7	80	125	98.5	79	1	56-143/18
1634-04-4	Methyl Tert Butyl Ether	ND		25	24.6	98	25	23.8	95	3	72-117/14
91-20-3	Naphthalene	ND		25	21.8	87	25	22.4	90	3	63-132/25
103-65-1	n-Propylbenzene	ND		25	27.3	109	25	25.1	100	8	82-133/15
100-42-5	Styrene	ND		25	23.5	94	25	21.7	87	8	78-119/23
630-20-6	1,1,1,2-Tetrachloroethane	ND		25	26.3	105	25	25.4	102	3	77-122/19
71-55-6	1,1,1-Trichloroethane	ND		25	31.0	124	25	27.6	110	12	75-130/16
79-34-5	1,1,2,2-Tetrachloroethane	ND		25	25.0	100	25	24.4	98	2	72-120/14
79-00-5	1,1,2-Trichloroethane	ND		25	24.7	99	25	23.9	96	3	76-119/14
87-61-6	1,2,3-Trichlorobenzene	ND		25	25.9	104	25	25.8	103	0	68-131/25
96-18-4	1,2,3-Trichloropropane	ND		25	26.8	107	25	26.1	104	3	77-120/16
120-82-1	1,2,4-Trichlorobenzene	ND		25	26.2	105	25	25.8	103	2	73-129/20
95-63-6	1,2,4-Trimethylbenzene	ND		25	23.6	94	25	21.8	87	8	79-120/18
108-67-8	1,3,5-Trimethylbenzene	ND		25	24.5	98	25	22.8	91	7	79-120/19
127-18-4	Tetrachloroethylene	ND		25	27.5	110	25	25.2	101	9	76-135/16
108-88-3	Toluene	ND		25	25.0	100	25	23.6	94	6	80-120/14
79-01-6	Trichloroethylene	ND		25	26.8	107	25	24.7	99	8	81-126/15
75-69-4	Trichlorofluoromethane	ND		25	27.4	110	25	24.1	96	13	71-156/21
75-01-4	Vinyl chloride	ND		25	20.9	84	25	19.2	77	8	69-159/18
108-05-4	Vinyl Acetate	ND		125	170	136	125	165	132	3	43-154/14
	m,p-Xylene	ND		50	52.5	105	50	48.3	97	8	79-126/15
95-47-6	o-Xylene	ND		25	25.6	102	25	24.2	97	6	80-127/14

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA15195
Account: ERMNCR ERM
Project: ECI; 100 Rego Dr, Elon, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA15195-1MS	N0076809.D	1	05/30/14	RB	n/a	n/a	VN3362
FA15195-1MSD	N0076810.D	1	05/30/14	RB	n/a	n/a	VN3362
FA15195-1	N0076793.D	1	05/30/14	RB	n/a	n/a	VN3362

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA15195-1, FA15195-2, FA15195-4, FA15195-5, FA15195-6, FA15195-7, FA15195-8, FA15195-9, FA15195-10, FA15195-11

CAS No.	Surrogate Recoveries	MS	MSD	FA15195-1	Limits
1868-53-7	Dibromofluoromethane	103%	103%	102%	83-118%
17060-07-0	1,2-Dichloroethane-D4	112%	111%	104%	79-125%
2037-26-5	Toluene-D8	96%	98%	93%	85-112%
460-00-4	4-Bromofluorobenzene	96%	96%	99%	83-118%

* = Outside of Control Limits.

Southeast ACCUTEST LABORATORIES

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA15195
Account: ERMNCR - ERM
Project: ECI; 100 Rego Dr, Elon, NC

QC Batch ID: MP27307
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 05/28/14

Metal	RL	IDL	MDL	MB raw	final
Aluminum	200	15	15		
Antimony	6.0	2	2.3		
Arsenic	10	2	2.4		
Barium	200	1	1		
Beryllium	4.0	.5	.5		
Cadmium	5.0	.5	.5		
Calcium	1000	50	50		
Chromium	10	1	2		
Cobalt	50	.5	.5		
Copper	25	1	1		
Iron	300	17	17	2.6	<300
Lead	5.0	1.1	1.1		
Magnesium	5000	50	56		
Manganese	15	.5	1	0.0	<15
Molybdenum	50	.5	.5		
Nickel	40	.5	.5		
Potassium	10000	200	200		
Selenium	10	2.3	2.3		
Silver	10	.65	.77		
Sodium	10000	500	500		
Strontium	10	.4	.4		
Thallium	10	1.5	2		
Tin	50	.7	1		
Titanium	10	.9	1		
Vanadium	50	.5	.5		
Zinc	20	3	3		

Associated samples MP27307: FA15195-1, FA15195-2, FA15195-3, FA15195-4, FA15195-5, FA15195-6, FA15195-7

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA15195
Account: ERMNCR - ERM
Project: ECI; 100 Rego Dr, Elon, NC

QC Batch ID: MP27307
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:	05/28/14							05/28/14	
Metal	FA15195-1 Original	DUP	RPD	QC Limits	FA15195-1 Original	MS	Spikelot MPFLICP2	% Rec	QC Limits
Aluminum									
Antimony	anr								
Arsenic	anr								
Barium									
Beryllium	anr								
Cadmium	anr								
Calcium									
Chromium	anr								
Cobalt									
Copper	anr								
Iron	5910	5760	2.6	0-20	5910	34400	26000	109.6	80-120
Lead	anr								
Magnesium									
Manganese	554	552	0.4	0-20	554	1110	500	111.2	80-120
Molybdenum									
Nickel	anr								
Potassium									
Selenium									
Silver									
Sodium									
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium									
Zinc	anr								

Associated samples MP27307: FA15195-1, FA15195-2, FA15195-3, FA15195-4, FA15195-5, FA15195-6, FA15195-7

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA15195
Account: ERMNCR - ERM
Project: ECI; 100 Rego Dr, Elon, NC

QC Batch ID: MP27307
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 05/28/14

Metal	FA15195-1 Original	MSD	Spikelot MPFLICP2	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony	anr					
Arsenic	anr					
Barium						
Beryllium	anr					
Cadmium	anr					
Calcium						
Chromium	anr					
Cobalt						
Copper	anr					
Iron	5910	33900	26000	107.7	1.5	20
Lead	anr					
Magnesium						
Manganese	554	1100	500	109.2	0.9	20
Molybdenum						
Nickel	anr					
Potassium						
Selenium						
Silver						
Sodium						
Strontium						
Thallium	anr					
Tin						
Titanium						
Vanadium						
Zinc	anr					

Associated samples MP27307: FA15195-1, FA15195-2, FA15195-3, FA15195-4, FA15195-5, FA15195-6, FA15195-7

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA15195
Account: ERMNCR - ERM
Project: ECI; 100 Rego Dr, Elon, NC

QC Batch ID: MP27307
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 05/28/14

Metal	BSP Result	Spikelot MPFLICP2	% Rec	QC Limits
Aluminum				
Antimony	anr			
Arsenic	anr			
Barium				
Beryllium	anr			
Cadmium	anr			
Calcium				
Chromium	anr			
Cobalt				
Copper	anr			
Iron	28300	26000	108.8	80-120
Lead	anr			
Magnesium				
Manganese	557	500	111.4	80-120
Molybdenum				
Nickel	anr			
Potassium				
Selenium				
Silver				
Sodium				
Strontium				
Thallium	anr			
Tin				
Titanium				
Vanadium				
Zinc	anr			

Associated samples MP27307: FA15195-1, FA15195-2, FA15195-3, FA15195-4, FA15195-5, FA15195-6, FA15195-7

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA15195
Account: ERMNCR - ERM
Project: ECI; 100 Rego Dr, Elon, NC

QC Batch ID: MP27307
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 05/28/14

Metal	FA15195-1 Original	SDL 1:5	%DIF	QC Limits
Aluminum				
Antimony	anr			
Arsenic	anr			
Barium				
Beryllium	anr			
Cadmium	anr			
Calcium				
Chromium	anr			
Cobalt				
Copper	anr			
Iron	5910	5600	5.3	0-10
Lead	anr			
Magnesium				
Manganese	554	528	4.6	0-10
Molybdenum				
Nickel	anr			
Potassium				
Selenium				
Silver				
Sodium				
Strontium				
Thallium	anr			
Tin				
Titanium				
Vanadium				
Zinc	anr			

Associated samples MP27307: FA15195-1, FA15195-2, FA15195-3, FA15195-4, FA15195-5, FA15195-6, FA15195-7

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

POST DIGESTATE SPIKE SUMMARY

Login Number: FA15195
Account: ERMNCR - ERM
Project: ECI; 100 Rego Dr, Elon, NC

QC Batch ID: MP27307
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 05/28/14

Metal	Sample ml	Final ml	FA15195-1 Raw	Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum										
Antimony										
Arsenic										
Barium										
Beryllium										
Cadmium										
Calcium										
Chromium										
Cobalt										
Copper										
Iron	9.8	10	5910	5791.8	8987	0.2	150	3000	106.5	80-120
Lead										
Magnesium										
Manganese	9.8	10	553.6	542.528	592.8	0.2	2.5	50	100.5	80-120
Molybdenum										
Nickel										
Potassium										
Selenium										
Silver										
Sodium										
Strontium										
Thallium										
Tin										
Titanium										
Vanadium										
Zinc										

Associated samples MP27307: FA15195-1, FA15195-2, FA15195-3, FA15195-4, FA15195-5, FA15195-6, FA15195-7

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(**) Corr. sample result = Raw * (sample volume / final volume)
(anr) Analyte not requested

Southeast ACCUTEST LABORATORIES

General Chemistry

QC Data Summaries

Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA15195
Account: ERMNCR - ERM
Project: ECI; 100 Rego Dr, Elon, NC

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Bromide	GP24050/GN61571			mg/l	12.5	13.4	107.2	90-110%
Nitrogen, Nitrate	GP24050/GN61571	0.10	0.0	mg/l	2.5	2.42	96.8	90-110%
Nitrogen, Nitrite	GP24050/GN61571	0.10	0.0	mg/l	2.5	2.61	104.4	90-110%
Sulfate	GP24050/GN61571	2.0	0.0	mg/l	50	48.8	97.6	90-110%
Sulfite	GN61564	3.0	0.0	mg/l	34.5	34.0	98.6	80-120%
Total Organic Carbon	GP24060/GN61587	1.0	0.0	mg/l	15	15.2	101.3	90-110%

Associated Samples:
Batch GN61564: FA15195-1, FA15195-2, FA15195-3, FA15195-4, FA15195-5, FA15195-6, FA15195-7
Batch GP24050: FA15195-1, FA15195-2, FA15195-3, FA15195-4, FA15195-5, FA15195-6, FA15195-7
Batch GP24060: FA15195-1, FA15195-2, FA15195-3, FA15195-4, FA15195-5, FA15195-6, FA15195-7
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA15195
Account: ERMNCR - ERM
Project: ECI; 100 Rego Dr, Elon, NC

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Total Organic Carbon	GP24060/GN61587	FA15195-1	mg/l	0.49 B	0.32	42.0(a)	0-20%

Associated Samples:
Batch GP24060: FA15195-1, FA15195-2, FA15195-3, FA15195-4, FA15195-5, FA15195-6, FA15195-7
(*) Outside of QC limits
(a) RPD acceptable due to low duplicate and sample concentrations.

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA15195
Account: ERMNCR - ERM
Project: ECI; 100 Rego Dr, Elon, NC

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Nitrogen, Nitrate	GP24050/GN61571	FA15195-2	mg/l	0.79	2.5	3.2	96.4	90-110%
Nitrogen, Nitrate	GP24050/GN61571	FA15195-3	mg/l	0.56	2.5	3.1	101.6	90-110%
Nitrogen, Nitrite	GP24050/GN61571	FA15195-2	mg/l	0.050 U	2.5	2.5	100.0	90-110%
Nitrogen, Nitrite	GP24050/GN61571	FA15195-3	mg/l	0.050 U	2.5	2.5	100.0	90-110%
Sulfate	GP24050/GN61571	FA15195-2	mg/l	25.8	50	73.8	96.0	90-110%
Sulfate	GP24050/GN61571	FA15195-3	mg/l	51.8	50	97.9	92.2	90-110%
Sulfite	GN61564	FA15195-7	mg/l	1.5 U	34.5	36.5	106.0	75-125%
Total Organic Carbon	GP24060/GN61587	FA15195-1	mg/l	0.49 B	15	15.2	98.1	90-110%

Associated Samples:
Batch GN61564: FA15195-1, FA15195-2, FA15195-3, FA15195-4, FA15195-5, FA15195-6, FA15195-7
Batch GP24050: FA15195-1, FA15195-2, FA15195-3, FA15195-4, FA15195-5, FA15195-6, FA15195-7
Batch GP24060: FA15195-1, FA15195-2, FA15195-3, FA15195-4, FA15195-5, FA15195-6, FA15195-7
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

MATRIX SPIKE DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA15195
Account: ERMNCR - ERM
Project: ECI; 100 Rego Dr, Elon, NC

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MSD Result	RPD	QC Limit
Nitrogen, Nitrate	GP24050/GN61571	FA15195-2	mg/l	0.79	2.5	3.2	0.0	20%
Nitrogen, Nitrate	GP24050/GN61571	FA15195-3	mg/l	0.56	2.5	3.1	0.0	20%
Nitrogen, Nitrite	GP24050/GN61571	FA15195-2	mg/l	0.050 U	2.5	2.5	0.0	20%
Nitrogen, Nitrite	GP24050/GN61571	FA15195-3	mg/l	0.050 U	2.5	2.6	3.9	20%
Sulfate	GP24050/GN61571	FA15195-2	mg/l	25.8	50	73.7	0.1	20%
Sulfate	GP24050/GN61571	FA15195-3	mg/l	51.8	50	97.8	0.1	20%
Sulfite	GN61564	FA15195-7	mg/l	1.5 U	34.5mg/l	35.5	2.8	

Associated Samples:
Batch GN61564: FA15195-1, FA15195-2, FA15195-3, FA15195-4, FA15195-5, FA15195-6, FA15195-7
Batch GP24050: FA15195-1, FA15195-2, FA15195-3, FA15195-4, FA15195-5, FA15195-6, FA15195-7
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

Southeast ACCUTEST LABORATORIES

08/12/14

Technical Report for

ERM

ECI; 100 Rego Dr, Elon, NC

Accutest Job Number: FA15249

Sampling Date: 05/22/14

Report to:

ERM

Robert.Laumann@erm.com

ATTN: Robert Laumann

Total number of pages in report: **26**

NELAP ACCREDITED TNI LABORATORY

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Norm Farmer
Technical Director

Client Service contact: Jean Dent-Smith 407-425-6700

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Accutest LabLink@153230 13:25 12-Aug-2014

Sample Summary

ERM

ECI; 100 Rego Dr, Elon, NC

Job No: FA15249

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
FA15249-1	05/22/14	12:05	RMTF	05/23/14	AQ	Ground Water	DW-4

Summary of Hits

Job Number: FA15249
Account: ERM
Project: ECI; 100 Rego Dr, Elon, NC
Collected: 05/22/14

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FA15249-1	**DW-4**					
Trichloroethylene		7.6	1.0	0.30	ug/l	SW846 8260B
m,p-Xylene		0.61 J	2.0	0.48	ug/l	SW846 8260B
o-Xylene		0.40 J	1.0	0.20	ug/l	SW846 8260B

Southeast ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	DW-4		
Lab Sample ID:	FA15249-1	**Date Sampled:**	05/22/14
Matrix:	AQ - Ground Water	**Date Received:**	05/23/14
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z26094.D	1	05/30/14	KW	n/a	n/a	VZ1017
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	1.0	0.30	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	110%		74-125%
2037-26-5	Toluene-D8	91%		88-111%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DW-4		
Lab Sample ID:	FA15249-1	**Date Sampled:**	05/22/14
Matrix:	AQ - Ground Water	**Date Received:**	05/23/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0076832.D	1	06/02/14	RB	n/a	n/a	VN3364
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	11	ug/l	
107-02-8	Acrolein	ND	20	6.4	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.24	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.31	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.38	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.26	ug/l	
75-25-2	Bromoform	ND	1.0	0.38	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.30	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.27	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.31	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.23	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.29	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.40	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.25	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.78	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.24	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.24	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.36	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.34	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.33	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.36	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.33	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DW-4		
Lab Sample ID:	FA15249-1	**Date Sampled:**	05/22/14
Matrix:	AQ - Ground Water	**Date Received:**	05/23/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.29	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.34	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.28	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.24	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.53	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.29	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	1.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.24	ug/l	
100-42-5	Styrene	ND	1.0	0.23	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.34	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.27	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.32	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.57	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.24	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.26	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	7.6	1.0	0.30	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.33	ug/l	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
	m,p-Xylene	0.61	2.0	0.48	ug/l	J
95-47-6	o-Xylene	0.40	1.0	0.20	ug/l	J

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DW-4		
Lab Sample ID:	FA15249-1	**Date Sampled:**	05/22/14
Matrix:	AQ - Ground Water	**Date Received:**	05/23/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		83-118%
17060-07-0	1,2-Dichloroethane-D4	100%		79-125%
2037-26-5	Toluene-D8	98%		85-112%
460-00-4	4-Bromofluorobenzene	101%		83-118%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
124-38-9	Carbon dioxide	2.39	8800	ug/l	JN
	Total TIC, Volatile		0	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Southeast ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

Accutest Laboratories Southeast
Chain of Custody

ACCUTEST LABORATORIES

4405 Vineland Road, Suite C-15 Orlando, Fl 32811
TEL. 407-425-6700 • FAX: 407-425-0707
www.accutest.com

Accutest JOB # FA15244 PAGE 1 OF 1

Accutest Quote #

SKIFF#

Client / Reporting Information

Company Name: ERM NC INC
Address: 15720 John Delaney Dr.
City: Charlotte State: NC Zip: 28277
Project Contact: Lane Dormon E-mail: Lane.Dormon@erm.com
Phone#: 919-233-4501
Sampler(s) Name(s) (Printed): R. Morette, T. Fisher

Project Information

Project Name: ECI - ELON
Street: 100 Rogo Dr.
City: ELON State: NC
Project #
Fax #
Client Purchase Order #

Analytical Information

Accutest Sample #	Field ID / Point of Collection	Date (COLLECTION)	Time (COLLECTION)	Sampled By:	Matrix	Total # of Bottles	OTHER	NONE	HCl	NaOH	HNO3	H2SO4	NaOH+ZnAc	DI WATER	MeOH	VOC 8260	1,4-D
1	DW-4	5/22/14	1205	RM	GW	6			X							X	X

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL - Sludge
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe

LAB USE ONLY

TURNAROUND TIME (Business Days)

Approved By: / Rush Code

- 10 Days Standard
- 7 Day RUSH
- 5 Day RUSH
- 3 Day EMERGENCY
- 2 Day EMERGENCY
- 1 Day EMERGENCY
- OTHER

Emergency or Rush T/A Data Available VIA Email or Lablink

Data Deliverable Information

- COMMERCIAL "A" (RESULTS ONLY)
- COMMERCIAL "B" (RESULTS PLUS QC)
- REDT1 (EPA LEVEL 3) RALEIGH, NC
- FULT1 (EPA LEVEL 4)
- EDD'S SVC CENTER

Comments / Remarks

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
1 ERM	5/22/14 1210	2	3	5/22/14 1300	4 FX

Relinquished by:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
5 FX	05/22/14 1:45	6 05/22/14 1:45	7		8

Lab Use Only: Custody Seal in Place: Y N Temp Blank Provided: Y N Preserved where Applicable: Y N Total # of Coolers: Cooler Temperature (s) Celsius: 4.0

4.1
4

FA15249: Chain of Custody
Page 1 of 3

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: FA15249 CLIENT: ERM PROJECT: ECI

DATE/TIME RECEIVED: 05/23/14 9:45 {MM/DD/YY 24:00} NUMBER OF COOLERS RECEIVED: 1

METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 7706 7309 2470

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET

TEMPERATURE INFORMATION

- [ ] IR THERM ID 3 CORR. FACTOR -0.2
- [ ] OBSERVED TEMPS: 4.2
- [ ] CORRECTED TEMPS: 4.0

TRIP BLANK INFORMATION

- [ ] TRIP BLANK PROVIDED
- [x] TRIP BLANK NOT PROVIDED
- [x] TRIP BLANK NOT ON COC
- [ ] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [ ] RECEIVED WATER TRIP BLANK
- [ ] RECEIVED SOIL TRIP BLANK

SAMPLE INFORMATION

- [ ] INCORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] DATES/TIMES ON COC DO NOT MATCH SAMPLE LABEL
- [ ] ID'S ON COC DO NOT MATCH LABEL
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING OR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] 5035 FIELD KITS NOT RECEIVED WITHIN 48 HOURS
- [ ] BULK VOA SOIL JARS NOT RECEIVED WITHIN 48 HOURS
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] RESIDUAL CHLORINE PRESENT

{APPICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS}

MISC. INFORMATION

NUMBER OF ENCORES ? 25-GRAM _____ 5-GRAM _____

NUMBER OF 5035 FIELD KITS ? _____

NUMBER OF LAB FILTERED METALS ? _____

SUMMARY OF COMMENTS:

TECHNICIAN SIGNATURE/DATE 05/23/14 REVIEWER SIGNATURE/DATE 05-23-14

RS 04/14 receipt confirmation 041514.xls

4.1

4

FA15249: Chain of Custody
Page 2 of 3

From: (919) 208-7171
Brent Rader
Accutest Labs Southeast
6308 - C Angus Drive

Raleigh, NC 27617

Origin ID: RZZA

FedEx. Express

J14I01402070826

Ship Date: 22MAY14
ActWgt: 15.0 LB
CAD: 9855222/INET3490

Delivery Address Bar Code

SHIP TO: (407) 425-6700
BILL SENDER

Sample Receiving
Accutest SE
4405 VINELAND RD.
STE. C15
ORLANDO, FL 32811

Ref #
Invoice #
PO #
Dept #

3 of 4

MPS# 0263 7700 7309 2470

Mstr# 7700 7309 1922 0201

FRI - 23 MAY AA
STANDARD OVERNIGHT

XH TIXA

32811
FL-US
MCO

522G1/6203/F220

After printing this label:
1. Use the 'Print' button on this page to print your label to your laser or inkjet printer.
2. Fold the printed page along the horizontal line.
3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

Warning: Use only the printed original label for shipping. Using a photocopy of this label for shipping purposes is fraudulent and could result in additional billing charges, along with the cancellation of your FedEx account number.
Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com.FedEx will not be responsible for any claim in excess of $100 per package, whether the result of loss, damage, delay, non-delivery,misdelivery,or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim.Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental,consequential, or special is limited to the greater of $100 or the authorized declared value. Recovery cannot exceed actual documented loss.Maximum for items of extraordinary value is $1,000, e.g. jewelry, precious metals, negotiable instruments and other items listed in our ServiceGuide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

Southeast ACCUTEST LABORATORIES

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: FA15249
Account: ERMNCR ERM
Project: ECI; 100 Rego Dr, Elon, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VZ1017-MB	Z26076.D	1	05/30/14	KW	n/a	n/a	VZ1017

The QC reported here applies to the following samples: **Method:** SW846 8260B BY SIM

FA15249-1

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	1.0	0.30	ug/l	

CAS No.	Surrogate Recoveries		Limits
17060-07-0	1,2-Dichloroethane-D4	115%	74-125%
2037-26-5	Toluene-D8	91%	88-111%

Method Blank Summary

Job Number: FA15249
Account: ERMNCR ERM
Project: ECI; 100 Rego Dr, Elon, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VN3364-MB	N0076817.D	1	06/02/14	RB	n/a	n/a	VN3364

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA15249-1

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	11	ug/l	
107-02-8	Acrolein	ND	20	6.4	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.24	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.31	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.38	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.26	ug/l	
75-25-2	Bromoform	ND	1.0	0.38	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.30	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.27	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.31	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.23	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.29	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.40	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.25	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.78	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.24	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.24	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.36	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.34	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.33	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.36	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.33	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.29	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.34	ug/l	

Method Blank Summary

Job Number: FA15249
Account: ERMNCR ERM
Project: ECI; 100 Rego Dr, Elon, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VN3364-MB	N0076817.D	1	06/02/14	RB	n/a	n/a	VN3364

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA15249-1

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.28	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.24	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.53	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.29	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	1.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.24	ug/l	
100-42-5	Styrene	ND	1.0	0.23	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.34	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.27	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.32	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.57	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.24	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.26	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.30	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.33	ug/l	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
	m,p-Xylene	ND	2.0	0.48	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

Method Blank Summary

Job Number: FA15249
Account: ERMNCR ERM
Project: ECI; 100 Rego Dr, Elon, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VN3364-MB	N0076817.D	1	06/02/14	RB	n/a	n/a	VN3364

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA15249-1

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	102%	83-118%
17060-07-0	1,2-Dichloroethane-D4	107%	79-125%
2037-26-5	Toluene-D8	97%	85-112%
460-00-4	4-Bromofluorobenzene	101%	83-118%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
75-21-8	Ethylene oxide	2.39	500	ug/l	JN
	Total TIC, Volatile		500	ug/l	J

Blank Spike Summary

Job Number: FA15249
Account: ERMNCR ERM
Project: ECI; 100 Rego Dr, Elon, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VZ1017-BS	Z26075.D	1	05/30/14	KW	n/a	n/a	VZ1017

The QC reported here applies to the following samples: **Method:** SW846 8260B BY SIM

FA15249-1

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
123-91-1	1,4-Dioxane	50	47.0	94	65-121

CAS No.	Surrogate Recoveries	BSP	Limits
17060-07-0	1,2-Dichloroethane-D4	114%	74-125%
2037-26-5	Toluene-D8	92%	88-111%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA15249
Account: ERMNCR ERM
Project: ECI; 100 Rego Dr, Elon, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VN3364-BS	N0076816.D	1	06/02/14	RB	n/a	n/a	VN3364

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA15249-1

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	180	144	50-147
107-02-8	Acrolein	125	41.1	33	31-154
107-13-1	Acrylonitrile	125	125	100	58-126
71-43-2	Benzene	25	24.5	98	81-122
108-86-1	Bromobenzene	25	24.5	98	80-121
74-97-5	Bromochloromethane	25	24.3	97	76-123
75-27-4	Bromodichloromethane	25	25.3	101	79-123
75-25-2	Bromoform	25	23.7	95	66-123
104-51-8	n-Butylbenzene	25	26.4	106	79-126
135-98-8	sec-Butylbenzene	25	26.8	107	83-133
98-06-6	tert-Butylbenzene	25	27.5	110	80-133
108-90-7	Chlorobenzene	25	26.2	105	82-124
75-00-3	Chloroethane	25	23.3	93	62-144
67-66-3	Chloroform	25	25.7	103	80-124
95-49-8	o-Chlorotoluene	25	26.3	105	81-127
106-43-4	p-Chlorotoluene	25	26.8	107	83-130
110-75-8	2-Chloroethyl vinyl ether	125	122	98	56-122
75-15-0	Carbon disulfide	25	25.5	102	66-148
56-23-5	Carbon tetrachloride	25	28.1	112	76-136
75-34-3	1,1-Dichloroethane	25	25.3	101	81-122
75-35-4	1,1-Dichloroethylene	25	28.6	114	78-137
563-58-6	1,1-Dichloropropene	25	27.2	109	79-131
96-12-8	1,2-Dibromo-3-chloropropane	25	25.7	103	64-123
106-93-4	1,2-Dibromoethane	25	24.3	97	75-120
107-06-2	1,2-Dichloroethane	25	26.1	104	75-125
78-87-5	1,2-Dichloropropane	25	24.4	98	76-124
142-28-9	1,3-Dichloropropane	25	24.0	96	80-118
594-20-7	2,2-Dichloropropane	25	29.7	119	74-139
124-48-1	Dibromochloromethane	25	24.0	96	78-122
75-71-8	Dichlorodifluoromethane	25	29.8	119	42-167
156-59-2	cis-1,2-Dichloroethylene	25	24.7	99	78-120
10061-01-5	cis-1,3-Dichloropropene	25	25.6	102	75-118
541-73-1	m-Dichlorobenzene	25	26.5	106	84-125
95-50-1	o-Dichlorobenzene	25	26.9	108	82-124
106-46-7	p-Dichlorobenzene	25	24.1	96	78-120
156-60-5	trans-1,2-Dichloroethylene	25	25.5	102	76-127

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA15249
Account: ERMNCR ERM
Project: ECI; 100 Rego Dr, Elon, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VN3364-BS	N0076816.D	1	06/02/14	RB	n/a	n/a	VN3364

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA15249-1

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
10061-02-6	trans-1,3-Dichloropropene	25	27.2	109	80-120
100-41-4	Ethylbenzene	25	25.3	101	81-121
591-78-6	2-Hexanone	125	152	122	61-129
87-68-3	Hexachlorobutadiene	25	27.5	110	75-142
98-82-8	Isopropylbenzene	25	28.6	114	83-132
99-87-6	p-Isopropyltoluene	25	26.1	104	79-130
108-10-1	4-Methyl-2-pentanone	125	116	93	66-122
74-83-9	Methyl bromide	25	23.9	96	59-143
74-87-3	Methyl chloride	25	26.3	105	50-159
74-95-3	Methylene bromide	25	24.7	99	78-119
75-09-2	Methylene chloride	25	23.5	94	69-135
78-93-3	Methyl ethyl ketone	125	145	116	56-143
1634-04-4	Methyl Tert Butyl Ether	25	24.0	96	72-117
91-20-3	Naphthalene	25	22.7	91	63-132
103-65-1	n-Propylbenzene	25	26.1	104	82-133
100-42-5	Styrene	25	25.8	103	78-119
630-20-6	1,1,1,2-Tetrachloroethane	25	24.9	100	77-122
71-55-6	1,1,1-Trichloroethane	25	28.2	113	75-130
79-34-5	1,1,2,2-Tetrachloroethane	25	23.4	94	72-120
79-00-5	1,1,2-Trichloroethane	25	23.3	93	76-119
87-61-6	1,2,3-Trichlorobenzene	25	25.6	102	68-131
96-18-4	1,2,3-Trichloropropane	25	25.0	100	77-120
120-82-1	1,2,4-Trichlorobenzene	25	26.8	107	73-129
95-63-6	1,2,4-Trimethylbenzene	25	23.7	95	79-120
108-67-8	1,3,5-Trimethylbenzene	25	25.5	102	79-120
127-18-4	Tetrachloroethylene	25	26.0	104	76-135
108-88-3	Toluene	25	24.5	98	80-120
79-01-6	Trichloroethylene	25	25.0	100	81-126
75-69-4	Trichlorofluoromethane	25	29.5	118	71-156
75-01-4	Vinyl chloride	25	24.8	99	69-159
108-05-4	Vinyl Acetate	125	146	117	43-154
	m,p-Xylene	50	51.1	102	79-126
95-47-6	o-Xylene	25	25.4	102	80-127

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA15249
Account: ERMNCR ERM
Project: ECI; 100 Rego Dr, Elon, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VN3364-BS	N0076816.D	1	06/02/14	RB	n/a	n/a	VN3364

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA15249-1

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	102%	83-118%
17060-07-0	1,2-Dichloroethane-D4	102%	79-125%
2037-26-5	Toluene-D8	99%	85-112%
460-00-4	4-Bromofluorobenzene	97%	83-118%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA15249
Account: ERMNCR ERM
Project: ECI; 100 Rego Dr, Elon, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA15195-2MS	Z26098.D	1	05/30/14	KW	n/a	n/a	VZ1017
FA15195-2MSD	Z26099.D	1	05/30/14	KW	n/a	n/a	VZ1017
FA15195-2	Z26085.D	1	05/30/14	KW	n/a	n/a	VZ1017

The QC reported here applies to the following samples: **Method:** SW846 8260B BY SIM

FA15249-1

CAS No.	Compound	FA15195-2 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
123-91-1	1,4-Dioxane	ND		50	46.8	94	50	48.1	96	3	65-121/27

CAS No.	Surrogate Recoveries	MS	MSD	FA15195-2	Limits
17060-07-0	1,2-Dichloroethane-D4	109%	108%	112%	74-125%
2037-26-5	Toluene-D8	91%	91%	91%	88-111%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA15249
Account: ERMNCR ERM
Project: ECI; 100 Rego Dr, Elon, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA15249-1MS	N0076833.D	1	06/02/14	RB	n/a	n/a	VN3364
FA15249-1MSD	N0076834.D	1	06/02/14	RB	n/a	n/a	VN3364
FA15249-1	N0076832.D	1	06/02/14	RB	n/a	n/a	VN3364

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA15249-1

CAS No.	Compound	FA15249-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		125	97.0	78	125	93.9	75	3	50-147/21
107-02-8	Acrolein	ND		125	184	147	125	167	134	10	31-154/29
107-13-1	Acrylonitrile	ND		125	128	102	125	127	102	1	58-126/16
71-43-2	Benzene	ND		25	26.8	107	25	24.9	100	7	81-122/14
108-86-1	Bromobenzene	ND		25	26.7	107	25	24.6	98	8	80-121/14
74-97-5	Bromochloromethane	ND		25	25.5	102	25	24.0	96	6	76-123/14
75-27-4	Bromodichloromethane	ND		25	26.5	106	25	24.9	100	6	79-123/19
75-25-2	Bromoform	ND		25	24.0	96	25	22.4	90	7	66-123/21
104-51-8	n-Butylbenzene	ND		25	27.8	111	25	24.9	100	11	79-126/16
135-98-8	sec-Butylbenzene	ND		25	27.8	111	25	24.9	100	11	83-133/16
98-06-6	tert-Butylbenzene	ND		25	28.5	114	25	26.1	104	9	80-133/16
108-90-7	Chlorobenzene	ND		25	28.5	114	25	26.7	107	7	82-124/14
75-00-3	Chloroethane	ND		25	21.0	84	25	19.8	79	6	62-144/20
67-66-3	Chloroform	ND		25	26.5	106	25	25.1	100	5	80-124/15
95-49-8	o-Chlorotoluene	ND		25	27.7	111	25	25.7	103	7	81-127/15
106-43-4	p-Chlorotoluene	ND		25	28.7	115	25	26.5	106	8	83-130/15
110-75-8	2-Chloroethyl vinyl ether	ND		125	24.8	20*	125	ND	0*	200*	56-122/23
75-15-0	Carbon disulfide	ND		25	25.1	100	25	22.2	89	12	66-148/23
56-23-5	Carbon tetrachloride	ND		25	28.8	115	25	25.6	102	12	76-136/23
75-34-3	1,1-Dichloroethane	ND		25	26.4	106	25	24.7	99	7	81-122/15
75-35-4	1,1-Dichloroethylene	ND		25	29.2	117	25	26.8	107	9	78-137/18
563-58-6	1,1-Dichloropropene	ND		25	29.4	118	25	27.1	108	8	79-131/16
96-12-8	1,2-Dibromo-3-chloropropane	ND		25	26.2	105	25	25.2	101	4	64-123/18
106-93-4	1,2-Dibromoethane	ND		25	26.0	104	25	25.1	100	4	75-120/13
107-06-2	1,2-Dichloroethane	ND		25	26.7	107	25	25.4	102	5	75-125/14
78-87-5	1,2-Dichloropropane	ND		25	26.8	107	25	25.4	102	5	76-124/14
142-28-9	1,3-Dichloropropane	ND		25	26.1	104	25	25.1	100	4	80-118/13
594-20-7	2,2-Dichloropropane	ND		25	30.9	124	25	27.8	111	11	74-139/17
124-48-1	Dibromochloromethane	ND		25	24.7	99	25	23.5	94	5	78-122/19
75-71-8	Dichlorodifluoromethane	ND		25	26.2	105	25	24.2	97	8	42-167/19
156-59-2	cis-1,2-Dichloroethylene	ND		25	26.8	107	25	25.4	102	5	78-120/15
10061-01-5	cis-1,3-Dichloropropene	ND		25	26.5	106	25	24.7	99	7	75-118/23
541-73-1	m-Dichlorobenzene	ND		25	28.2	113	25	26.2	105	7	84-125/14
95-50-1	o-Dichlorobenzene	ND		25	28.1	112	25	26.5	106	6	82-124/14
106-46-7	p-Dichlorobenzene	ND		25	25.6	102	25	23.9	96	7	78-120/15
156-60-5	trans-1,2-Dichloroethylene	ND		25	27.0	108	25	24.9	100	8	76-127/17

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA15249
Account: ERMNCR ERM
Project: ECI; 100 Rego Dr, Elon, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA15249-1MS	N0076833.D	1	06/02/14	RB	n/a	n/a	VN3364
FA15249-1MSD	N0076834.D	1	06/02/14	RB	n/a	n/a	VN3364
FA15249-1	N0076832.D	1	06/02/14	RB	n/a	n/a	VN3364

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA15249-1

CAS No.	Compound	FA15249-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
10061-02-6	trans-1,3-Dichloropropene	ND		25	28.1	112	25	26.6	106	5	80-120/22
100-41-4	Ethylbenzene	ND		25	27.2	109	25	25.1	100	8	81-121/14
591-78-6	2-Hexanone	ND		125	132	106	125	128	102	3	61-129/18
87-68-3	Hexachlorobutadiene	ND		25	26.6	106	25	19.9	80	29*	75-142/19
98-82-8	Isopropylbenzene	ND		25	30.5	122	25	27.7	111	10	83-132/15
99-87-6	p-Isopropyltoluene	ND		25	27.4	110	25	24.6	98	11	79-130/16
108-10-1	4-Methyl-2-pentanone	ND		125	123	98	125	121	97	2	66-122/16
74-83-9	Methyl bromide	ND		25	23.0	92	25	21.2	85	8	59-143/19
74-87-3	Methyl chloride	ND		25	26.1	104	25	23.3	93	11	50-159/19
74-95-3	Methylene bromide	ND		25	26.2	105	25	25.3	101	3	78-119/14
75-09-2	Methylene chloride	ND		25	25.6	102	25	23.9	96	7	69-135/16
78-93-3	Methyl ethyl ketone	ND		125	109	87	125	108	86	1	56-143/18
1634-04-4	Methyl Tert Butyl Ether	ND		25	25.0	100	25	24.3	97	3	72-117/14
91-20-3	Naphthalene	ND		25	23.4	94	25	22.7	91	3	63-132/25
103-65-1	n-Propylbenzene	ND		25	28.2	113	25	25.6	102	10	82-133/15
100-42-5	Styrene	ND		25	27.4	110	25	25.4	102	8	78-119/23
630-20-6	1,1,1,2-Tetrachloroethane	ND		25	26.5	106	25	24.6	98	7	77-122/19
71-55-6	1,1,1-Trichloroethane	ND		25	28.6	114	25	26.1	104	9	75-130/16
79-34-5	1,1,2,2-Tetrachloroethane	ND		25	25.9	104	25	25.1	100	3	72-120/14
79-00-5	1,1,2-Trichloroethane	ND		25	25.2	101	25	25.2	101	0	76-119/14
87-61-6	1,2,3-Trichlorobenzene	ND		25	25.7	103	25	24.0	96	7	68-131/25
96-18-4	1,2,3-Trichloropropane	ND		25	26.5	106	25	26.5	106	0	77-120/16
120-82-1	1,2,4-Trichlorobenzene	ND		25	26.9	108	25	24.9	100	8	73-129/20
95-63-6	1,2,4-Trimethylbenzene	ND		25	25.2	101	25	23.1	92	9	79-120/18
108-67-8	1,3,5-Trimethylbenzene	ND		25	26.8	107	25	24.8	99	8	79-120/19
127-18-4	Tetrachloroethylene	ND		25	27.9	112	25	25.7	103	8	76-135/16
108-88-3	Toluene	ND		25	26.4	106	25	24.7	99	7	80-120/14
79-01-6	Trichloroethylene	7.6		25	33.7	104	25	31.2	94	8	81-126/15
75-69-4	Trichlorofluoromethane	ND		25	26.1	104	25	22.9	92	13	71-156/21
75-01-4	Vinyl chloride	ND		25	23.9	96	25	21.6	86	10	69-159/18
108-05-4	Vinyl Acetate	ND		125	155	124	125	151	121	3	43-154/14
	m,p-Xylene	0.61	J	50	54.7	108	50	50.0	99	9	79-126/15
95-47-6	o-Xylene	0.40	J	25	28.0	110	25	25.9	102	8	80-127/14

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA15249
Account: ERMNCR ERM
Project: ECI; 100 Rego Dr, Elon, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA15249-1MS	N0076833.D	1	06/02/14	RB	n/a	n/a	VN3364
FA15249-1MSD	N0076834.D	1	06/02/14	RB	n/a	n/a	VN3364
FA15249-1	N0076832.D	1	06/02/14	RB	n/a	n/a	VN3364

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA15249-1

CAS No.	Surrogate Recoveries	MS	MSD	FA15249-1	Limits
1868-53-7	Dibromofluoromethane	99%	100%	98%	83-118%
17060-07-0	1,2-Dichloroethane-D4	99%	103%	100%	79-125%
2037-26-5	Toluene-D8	99%	99%	98%	85-112%
460-00-4	4-Bromofluorobenzene	98%	98%	101%	83-118%

* = Outside of Control Limits.

Southeast ACCUTEST LABORATORIES

08/12/14

Technical Report for

ERM

ECI; 100 Rego Dr, Elon, NC

Accutest Job Number: FA15250

Sampling Date: 05/22/14

Report to:

ERM

Robert.Laumann@erm.com

ATTN: Robert Laumann

Total number of pages in report: **76**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Norm Farmer
Technical Director

Client Service contact: Jean Dent-Smith 407-425-6700

Certifications: FL (E83510), LA (03051), KS (E-10327), IA (366), IL (200063), NC (573), NJ (FL002), SC (96038001) DoD ELAP (L-A-B L2229), CA (04226CA), TX (T104704404), PA (68-03573), VA (460177), AK, AR, GA, KY, MA, NV, OK, UT, WA

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Test results relate only to samples analyzed.

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Accutest LabLink@153230 14:26 12-Aug-2014

Sample Summary

ERM

ECI; 100 Rego Dr, Elon, NC

Job No: FA15250

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
FA15250-1	05/22/14	08:20	RMTF	05/23/14	AQ	Ground Water	MW-7
FA15250-2	05/22/14	09:20	RMTF	05/23/14	AQ	Ground Water	GP-2
FA15250-3	05/22/14	00:00	RMTF	05/23/14	AQ	Ground Water	DUP-2
FA15250-4	05/22/14	09:25	RMTF	05/23/14	AQ	Equipment Blank	EB-1
FA15250-5	05/22/14	00:00	RMTF	05/23/14	AQ	Trip Blank Water	TRIP BLANK

Summary of Hits

Job Number: FA15250
Account: ERM
Project: ECI; 100 Rego Dr, Elon, NC
Collected: 05/22/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FA15250-1	**MW-7**					
cis-1,2-Dichloroethylene		59.6	50	16	ug/l	SW846 8260B
Tetrachloroethylene		99.7	50	13	ug/l	SW846 8260B
Trichloroethylene		3030	50	15	ug/l	SW846 8260B
1,4-Dioxane		0.82 J	1.0	0.30	ug/l	SW846 8260B BY SIM
Iron		399	300	17	ug/l	SW846 6010C
Manganese		85.2	15	1.0	ug/l	SW846 6010C
Nitrogen, Nitrate		0.25	0.10	0.050	mg/l	EPA 300/SW846 9056A
Sulfate		0.67 B	2.0	0.60	mg/l	EPA 300/SW846 9056A
FA15250-2	**GP-2**					
Chloroform		3.3	2.0	0.62	ug/l	SW846 8260B
cis-1,2-Dichloroethylene		1.5 J	2.0	0.65	ug/l	SW846 8260B
Tetrachloroethylene		75.7	2.0	0.51	ug/l	SW846 8260B
Trichloroethylene		1470	20	6.0	ug/l	SW846 8260B
1,4-Dioxane		0.43 J	1.0	0.30	ug/l	SW846 8260B BY SIM
Total TIC, Volatile		140 J			ug/l	
Copper [a]		1410	500	20	ug/l	SW846 6010C
Iron [a]		344000	6000	340	ug/l	SW846 6010C
Manganese [a]		8610	300	20	ug/l	SW846 6010C
Nickel [a]		422 B	800	10	ug/l	SW846 6010C
Zinc [a]		983	400	60	ug/l	SW846 6010C
Nitrogen, Nitrate		0.99	0.10	0.050	mg/l	EPA 300/SW846 9056A
Sulfate		1.3 B	2.0	0.60	mg/l	EPA 300/SW846 9056A
Total Organic Carbon		0.40 B	1.0	0.23	mg/l	SM5310 B-11/SW9060A
FA15250-3	**DUP-2**					
cis-1,2-Dichloroethylene		55.8	50	16	ug/l	SW846 8260B
Tetrachloroethylene		98.7	50	13	ug/l	SW846 8260B
Toluene		10.9 J	50	10	ug/l	SW846 8260B
Trichloroethylene		2960	50	15	ug/l	SW846 8260B
1,4-Dioxane		0.81 J	1.0	0.30	ug/l	SW846 8260B BY SIM
FA15250-4	**EB-1**					
Toluene		0.30 J	1.0	0.20	ug/l	SW846 8260B
Total TIC, Volatile		154 J			ug/l	
Iron		64.6 B	300	17	ug/l	SW846 6010C
FA15250-5	**TRIP BLANK**					
Total TIC, Volatile		250 J			ug/l	

Summary of Hits

Job Number: FA15250
Account: ERM
Project: ECI; 100 Rego Dr, Elon, NC
Collected: 05/22/14

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method

(a) Elevated reporting limit(s) due to matrix interference.

Southeast ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	MW-7		
Lab Sample ID:	FA15250-1	**Date Sampled:**	05/22/14
Matrix:	AQ - Ground Water	**Date Received:**	05/23/14
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z26095.D	1	05/30/14	KW	n/a	n/a	VZ1017
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	0.82	1.0	0.30	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	110%		74-125%
2037-26-5	Toluene-D8	88%		88-111%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-7		
Lab Sample ID:	FA15250-1	**Date Sampled:**	05/22/14
Matrix:	AQ - Ground Water	**Date Received:**	05/23/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	O24263.D	50	05/31/14	MM	n/a	n/a	VO941
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	1300	530	ug/l	
107-02-8	Acrolein	ND	1000	320	ug/l	
107-13-1	Acrylonitrile	ND	500	100	ug/l	
71-43-2	Benzene	ND	50	12	ug/l	
108-86-1	Bromobenzene	ND	50	16	ug/l	
74-97-5	Bromochloromethane	ND	50	19	ug/l	
75-27-4	Bromodichloromethane	ND	50	13	ug/l	
75-25-2	Bromoform	ND	50	19	ug/l	
104-51-8	n-Butylbenzene	ND	50	15	ug/l	
135-98-8	sec-Butylbenzene	ND	50	14	ug/l	
98-06-6	tert-Butylbenzene	ND	50	14	ug/l	
108-90-7	Chlorobenzene	ND	50	12	ug/l	
75-00-3	Chloroethane	ND	100	25	ug/l	
67-66-3	Chloroform	ND	50	16	ug/l	
95-49-8	o-Chlorotoluene	ND	50	11	ug/l	
106-43-4	p-Chlorotoluene	ND	50	15	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	250	50	ug/l	
75-15-0	Carbon disulfide	ND	100	10	ug/l	
56-23-5	Carbon tetrachloride	ND	50	20	ug/l	
75-34-3	1,1-Dichloroethane	ND	50	13	ug/l	
75-35-4	1,1-Dichloroethylene	ND	50	13	ug/l	
563-58-6	1,1-Dichloropropene	ND	50	14	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	100	39	ug/l	
106-93-4	1,2-Dibromoethane	ND	50	12	ug/l	
107-06-2	1,2-Dichloroethane	ND	50	12	ug/l	
78-87-5	1,2-Dichloropropane	ND	50	18	ug/l	
142-28-9	1,3-Dichloropropane	ND	50	17	ug/l	
594-20-7	2,2-Dichloropropane	ND	50	17	ug/l	
124-48-1	Dibromochloromethane	ND	50	18	ug/l	
75-71-8	Dichlorodifluoromethane	ND	100	17	ug/l	
156-59-2	cis-1,2-Dichloroethylene	59.6	50	16	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	50	10	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-7		
Lab Sample ID:	FA15250-1	**Date Sampled:**	05/22/14
Matrix:	AQ - Ground Water	**Date Received:**	05/23/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	ND	50	10	ug/l	
95-50-1	o-Dichlorobenzene	ND	50	15	ug/l	
106-46-7	p-Dichlorobenzene	ND	50	10	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	50	17	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	50	11	ug/l	
100-41-4	Ethylbenzene	ND	50	14	ug/l	
591-78-6	2-Hexanone	ND	500	100	ug/l	
87-68-3	Hexachlorobutadiene	ND	100	25	ug/l	
98-82-8	Isopropylbenzene	ND	50	10	ug/l	
99-87-6	p-Isopropyltoluene	ND	50	12	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	250	50	ug/l	
74-83-9	Methyl bromide	ND	100	27	ug/l	
74-87-3	Methyl chloride	ND	100	27	ug/l	
74-95-3	Methylene bromide	ND	100	15	ug/l	
75-09-2	Methylene chloride	ND	250	100	ug/l	
78-93-3	Methyl ethyl ketone	ND	250	74	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	50	10	ug/l	
91-20-3	Naphthalene	ND	250	50	ug/l	
103-65-1	n-Propylbenzene	ND	50	12	ug/l	
100-42-5	Styrene	ND	50	12	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	50	13	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	50	17	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	50	14	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	50	16	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	50	25	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	100	29	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	50	25	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	100	12	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	100	10	ug/l	
127-18-4	Tetrachloroethylene	99.7	50	13	ug/l	
108-88-3	Toluene	ND	50	10	ug/l	
79-01-6	Trichloroethylene	3030	50	15	ug/l	
75-69-4	Trichlorofluoromethane	ND	100	25	ug/l	
75-01-4	Vinyl chloride	ND	50	16	ug/l	
108-05-4	Vinyl Acetate	ND	500	100	ug/l	
	m,p-Xylene	ND	100	24	ug/l	
95-47-6	o-Xylene	ND	50	10	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-7		
Lab Sample ID:	FA15250-1	**Date Sampled:**	05/22/14
Matrix:	AQ - Ground Water	**Date Received:**	05/23/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		83-118%
17060-07-0	1,2-Dichloroethane-D4	103%		79-125%
2037-26-5	Toluene-D8	99%		85-112%
460-00-4	4-Bromofluorobenzene	100%		83-118%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
124-38-9	Carbon dioxide	2.28	730000	ug/l	JNB
	Total TIC, Volatile		0	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-7		
Lab Sample ID:	FA15250-1	**Date Sampled:**	05/22/14
Matrix:	AQ - Ground Water	**Date Received:**	05/23/14
		Percent Solids:	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Iron	399	300	17	ug/l	1	05/28/14	05/28/14	LM	SW846 6010C [1]	SW846 3010A [2]
Manganese	85.2	15	1.0	ug/l	1	05/28/14	05/28/14	LM	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA11628
(2) Prep QC Batch: MP27307

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	MW-7		
Lab Sample ID:	FA15250-1	**Date Sampled:**	05/22/14
Matrix:	AQ - Ground Water	**Date Received:**	05/23/14
		Percent Solids:	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Nitrogen, Nitrate	0.25	0.10	0.050	mg/l	1	05/23/14 14:17	CH	EPA 300/SW846 9056A
Nitrogen, Nitrite	0.050 U	0.10	0.050	mg/l	1	05/23/14 14:17	CH	EPA 300/SW846 9056A
Sulfate	0.67 B	2.0	0.60	mg/l	1	05/23/14 14:17	CH	EPA 300/SW846 9056A
Sulfite [a]	1.5 U	3.0	1.5	mg/l	1	05/23/14 10:11	LE	SM4500SO3 B-11
Total Organic Carbon	0.23 U	1.0	0.23	mg/l	1	05/30/14 21:06	FN	SM5310 B-11/SW9060A

(a) Field analysis required. Received out of hold time and analyzed by request.

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	GP-2		
Lab Sample ID:	FA15250-2	**Date Sampled:**	05/22/14
Matrix:	AQ - Ground Water	**Date Received:**	05/23/14
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z26096.D	1	05/30/14	KW	n/a	n/a	VZ1017
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	0.43	1.0	0.30	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	109%		74-125%
2037-26-5	Toluene-D8	89%		88-111%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GP-2		
Lab Sample ID:	FA15250-2	**Date Sampled:**	05/22/14
Matrix:	AQ - Ground Water	**Date Received:**	05/23/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	O24264.D	2	05/31/14	MM	n/a	n/a	VO941
Run #2	O24304.D	20	06/02/14	MM	n/a	n/a	VO942

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	21	ug/l	
107-02-8	Acrolein	ND	40	13	ug/l	
107-13-1	Acrylonitrile	ND	20	4.0	ug/l	
71-43-2	Benzene	ND	2.0	0.49	ug/l	
108-86-1	Bromobenzene	ND	2.0	0.63	ug/l	
74-97-5	Bromochloromethane	ND	2.0	0.75	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.52	ug/l	
75-25-2	Bromoform	ND	2.0	0.77	ug/l	
104-51-8	n-Butylbenzene	ND	2.0	0.60	ug/l	
135-98-8	sec-Butylbenzene	ND	2.0	0.54	ug/l	
98-06-6	tert-Butylbenzene	ND	2.0	0.57	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.48	ug/l	
75-00-3	Chloroethane	ND	4.0	1.0	ug/l	
67-66-3	Chloroform	3.3	2.0	0.62	ug/l	
95-49-8	o-Chlorotoluene	ND	2.0	0.45	ug/l	
106-43-4	p-Chlorotoluene	ND	2.0	0.58	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	10	2.0	ug/l	
75-15-0	Carbon disulfide	ND	4.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.79	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.51	ug/l	
75-35-4	1,1-Dichloroethylene	ND	2.0	0.51	ug/l	
563-58-6	1,1-Dichloropropene	ND	2.0	0.56	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	4.0	1.6	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.48	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.48	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.71	ug/l	
142-28-9	1,3-Dichloropropane	ND	2.0	0.68	ug/l	
594-20-7	2,2-Dichloropropane	ND	2.0	0.66	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.72	ug/l	
75-71-8	Dichlorodifluoromethane	ND	4.0	0.66	ug/l	
156-59-2	cis-1,2-Dichloroethylene	1.5	2.0	0.65	ug/l	J
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	0.42	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GP-2		
Lab Sample ID:	FA15250-2	**Date Sampled:**	05/22/14
Matrix:	AQ - Ground Water	**Date Received:**	05/23/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	ND	2.0	0.40	ug/l	
95-50-1	o-Dichlorobenzene	ND	2.0	0.59	ug/l	
106-46-7	p-Dichlorobenzene	ND	2.0	0.40	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	2.0	0.69	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	0.42	ug/l	
100-41-4	Ethylbenzene	ND	2.0	0.56	ug/l	
591-78-6	2-Hexanone	ND	20	4.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.0	1.0	ug/l	
98-82-8	Isopropylbenzene	ND	2.0	0.40	ug/l	
99-87-6	p-Isopropyltoluene	ND	2.0	0.48	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	10	2.0	ug/l	
74-83-9	Methyl bromide	ND	4.0	1.1	ug/l	
74-87-3	Methyl chloride	ND	4.0	1.1	ug/l	
74-95-3	Methylene bromide	ND	4.0	0.58	ug/l	
75-09-2	Methylene chloride	ND	10	4.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	10	3.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	2.0	0.40	ug/l	
91-20-3	Naphthalene	ND	10	2.0	ug/l	
103-65-1	n-Propylbenzene	ND	2.0	0.48	ug/l	
100-42-5	Styrene	ND	2.0	0.47	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.67	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.55	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.63	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	1.0	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	4.0	1.1	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	1.0	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	4.0	0.49	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	4.0	0.40	ug/l	
127-18-4	Tetrachloroethylene	75.7	2.0	0.51	ug/l	
108-88-3	Toluene	ND	2.0	0.40	ug/l	
79-01-6	Trichloroethylene	1470 [a]	20	6.0	ug/l	
75-69-4	Trichlorofluoromethane	ND	4.0	1.0	ug/l	
75-01-4	Vinyl chloride	ND	2.0	0.65	ug/l	
108-05-4	Vinyl Acetate	ND	20	4.0	ug/l	
	m,p-Xylene	ND	4.0	0.96	ug/l	
95-47-6	o-Xylene	ND	2.0	0.40	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GP-2		
Lab Sample ID:	FA15250-2	**Date Sampled:**	05/22/14
Matrix:	AQ - Ground Water	**Date Received:**	05/23/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%	99%	83-118%
17060-07-0	1,2-Dichloroethane-D4	104%	105%	79-125%
2037-26-5	Toluene-D8	98%	99%	85-112%
460-00-4	4-Bromofluorobenzene	100%	100%	83-118%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
124-38-9	Carbon dioxide	2.28	71000	ug/l	JNB
75-12-7	Formamide	4.71	140	ug/l	JN
	Total TIC, Volatile		140	ug/l	J

(a) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GP-2		
Lab Sample ID:	FA15250-2	**Date Sampled:**	05/22/14
Matrix:	AQ - Ground Water	**Date Received:**	05/23/14
		Percent Solids:	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Antimony [a]	46 U	120	46	ug/l	20	05/28/14	05/29/14	LM	SW846 6010C [1]	SW846 3010A [2]
Beryllium [a]	10 U	80	10	ug/l	20	05/28/14	05/29/14	LM	SW846 6010C [1]	SW846 3010A [2]
Copper [a]	1410	500	20	ug/l	20	05/28/14	05/29/14	LM	SW846 6010C [1]	SW846 3010A [2]
Iron [a]	344000	6000	340	ug/l	20	05/28/14	05/29/14	LM	SW846 6010C [1]	SW846 3010A [2]
Manganese [a]	8610	300	20	ug/l	20	05/28/14	05/29/14	LM	SW846 6010C [1]	SW846 3010A [2]
Nickel [a]	422 B	800	10	ug/l	20	05/28/14	05/29/14	LM	SW846 6010C [1]	SW846 3010A [2]
Thallium [a]	40 U	200	40	ug/l	20	05/28/14	05/29/14	LM	SW846 6010C [1]	SW846 3010A [2]
Zinc [a]	983	400	60	ug/l	20	05/28/14	05/29/14	LM	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA11630
(2) Prep QC Batch: MP27307

(a) Elevated reporting limit(s) due to matrix interference.

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	GP-2		
Lab Sample ID:	FA15250-2	**Date Sampled:**	05/22/14
Matrix:	AQ - Ground Water	**Date Received:**	05/23/14
		Percent Solids:	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Nitrogen, Nitrate	0.99	0.10	0.050	mg/l	1	05/23/14 14:34	CH	EPA 300/SW846 9056A
Nitrogen, Nitrite	0.050 U	0.10	0.050	mg/l	1	05/23/14 14:34	CH	EPA 300/SW846 9056A
Sulfate	1.3 B	2.0	0.60	mg/l	1	05/23/14 14:34	CH	EPA 300/SW846 9056A
Sulfite [a]	1.5 U	3.0	1.5	mg/l	1	05/23/14 10:11	LE	SM4500SO3 B-11
Total Organic Carbon	0.40 B	1.0	0.23	mg/l	1	05/30/14 21:20	FN	SM5310 B-11/SW9060A

(a) Field analysis required. Received out of hold time and analyzed by request.

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	DUP-2		
Lab Sample ID:	FA15250-3	**Date Sampled:**	05/22/14
Matrix:	AQ - Ground Water	**Date Received:**	05/23/14
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z26097.D	1	05/30/14	KW	n/a	n/a	VZ1017
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	0.81	1.0	0.30	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	109%		74-125%
2037-26-5	Toluene-D8	89%		88-111%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP-2		
Lab Sample ID:	FA15250-3	**Date Sampled:**	05/22/14
Matrix:	AQ - Ground Water	**Date Received:**	05/23/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	O24265.D	50	05/31/14	MM	n/a	n/a	VO941
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	1300	530	ug/l	
107-02-8	Acrolein	ND	1000	320	ug/l	
107-13-1	Acrylonitrile	ND	500	100	ug/l	
71-43-2	Benzene	ND	50	12	ug/l	
108-86-1	Bromobenzene	ND	50	16	ug/l	
74-97-5	Bromochloromethane	ND	50	19	ug/l	
75-27-4	Bromodichloromethane	ND	50	13	ug/l	
75-25-2	Bromoform	ND	50	19	ug/l	
104-51-8	n-Butylbenzene	ND	50	15	ug/l	
135-98-8	sec-Butylbenzene	ND	50	14	ug/l	
98-06-6	tert-Butylbenzene	ND	50	14	ug/l	
108-90-7	Chlorobenzene	ND	50	12	ug/l	
75-00-3	Chloroethane	ND	100	25	ug/l	
67-66-3	Chloroform	ND	50	16	ug/l	
95-49-8	o-Chlorotoluene	ND	50	11	ug/l	
106-43-4	p-Chlorotoluene	ND	50	15	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	250	50	ug/l	
75-15-0	Carbon disulfide	ND	100	10	ug/l	
56-23-5	Carbon tetrachloride	ND	50	20	ug/l	
75-34-3	1,1-Dichloroethane	ND	50	13	ug/l	
75-35-4	1,1-Dichloroethylene	ND	50	13	ug/l	
563-58-6	1,1-Dichloropropene	ND	50	14	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	100	39	ug/l	
106-93-4	1,2-Dibromoethane	ND	50	12	ug/l	
107-06-2	1,2-Dichloroethane	ND	50	12	ug/l	
78-87-5	1,2-Dichloropropane	ND	50	18	ug/l	
142-28-9	1,3-Dichloropropane	ND	50	17	ug/l	
594-20-7	2,2-Dichloropropane	ND	50	17	ug/l	
124-48-1	Dibromochloromethane	ND	50	18	ug/l	
75-71-8	Dichlorodifluoromethane	ND	100	17	ug/l	
156-59-2	cis-1,2-Dichloroethylene	55.8	50	16	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	50	10	ug/l	

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E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP-2		
Lab Sample ID:	FA15250-3	**Date Sampled:**	05/22/14
Matrix:	AQ - Ground Water	**Date Received:**	05/23/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	ND	50	10	ug/l	
95-50-1	o-Dichlorobenzene	ND	50	15	ug/l	
106-46-7	p-Dichlorobenzene	ND	50	10	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	50	17	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	50	11	ug/l	
100-41-4	Ethylbenzene	ND	50	14	ug/l	
591-78-6	2-Hexanone	ND	500	100	ug/l	
87-68-3	Hexachlorobutadiene	ND	100	25	ug/l	
98-82-8	Isopropylbenzene	ND	50	10	ug/l	
99-87-6	p-Isopropyltoluene	ND	50	12	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	250	50	ug/l	
74-83-9	Methyl bromide	ND	100	27	ug/l	
74-87-3	Methyl chloride	ND	100	27	ug/l	
74-95-3	Methylene bromide	ND	100	15	ug/l	
75-09-2	Methylene chloride	ND	250	100	ug/l	
78-93-3	Methyl ethyl ketone	ND	250	74	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	50	10	ug/l	
91-20-3	Naphthalene	ND	250	50	ug/l	
103-65-1	n-Propylbenzene	ND	50	12	ug/l	
100-42-5	Styrene	ND	50	12	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	50	13	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	50	17	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	50	14	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	50	16	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	50	25	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	100	29	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	50	25	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	100	12	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	100	10	ug/l	
127-18-4	Tetrachloroethylene	98.7	50	13	ug/l	
108-88-3	Toluene	10.9	50	10	ug/l	J
79-01-6	Trichloroethylene	2960	50	15	ug/l	
75-69-4	Trichlorofluoromethane	ND	100	25	ug/l	
75-01-4	Vinyl chloride	ND	50	16	ug/l	
108-05-4	Vinyl Acetate	ND	500	100	ug/l	
	m,p-Xylene	ND	100	24	ug/l	
95-47-6	o-Xylene	ND	50	10	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP-2		
Lab Sample ID:	FA15250-3	**Date Sampled:**	05/22/14
Matrix:	AQ - Ground Water	**Date Received:**	05/23/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		83-118%
17060-07-0	1,2-Dichloroethane-D4	104%		79-125%
2037-26-5	Toluene-D8	99%		85-112%
460-00-4	4-Bromofluorobenzene	100%		83-118%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
124-38-9	Carbon dioxide	2.28	690000	ug/l	JNB
	Total TIC, Volatile		0	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EB-1		
Lab Sample ID:	FA15250-4	**Date Sampled:**	05/22/14
Matrix:	AQ - Equipment Blank	**Date Received:**	05/23/14
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z26080.D	1	05/30/14	KW	n/a	n/a	VZ1017
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	1.0	0.30	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	114%		74-125%
2037-26-5	Toluene-D8	92%		88-111%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EB-1		
Lab Sample ID:	FA15250-4	**Date Sampled:**	05/22/14
Matrix:	AQ - Equipment Blank	**Date Received:**	05/23/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M74749.D	1	05/30/14	RB	n/a	n/a	VM3156
Run #2 [a]	O24260.D	1	05/31/14	MM	n/a	n/a	VO941

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	11	ug/l	
107-02-8	Acrolein [b]	ND	20	6.4	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.24	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.31	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.38	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.26	ug/l	
75-25-2	Bromoform	ND	1.0	0.38	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.30	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.27	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.31	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.23	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.29	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.40	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.25	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.78	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.24	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.24	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.36	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.34	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.33	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.36	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.33	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
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E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EB-1		
Lab Sample ID:	FA15250-4	**Date Sampled:**	05/22/14
Matrix:	AQ - Equipment Blank	**Date Received:**	05/23/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.29	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.34	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.28	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.24	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.53	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.29	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	1.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.24	ug/l	
100-42-5	Styrene	ND	1.0	0.23	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.34	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.27	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.32	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.57	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.24	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.26	ug/l	
108-88-3	Toluene	0.30	1.0	0.20	ug/l	J
79-01-6	Trichloroethylene	ND	1.0	0.30	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.33	ug/l	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
	m,p-Xylene	ND	2.0	0.48	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

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E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EB-1		
Lab Sample ID:	FA15250-4	**Date Sampled:**	05/22/14
Matrix:	AQ - Equipment Blank	**Date Received:**	05/23/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%	99%	83-118%
17060-07-0	1,2-Dichloroethane-D4	102%	101%	79-125%
2037-26-5	Toluene-D8	99%	99%	85-112%
460-00-4	4-Bromofluorobenzene	97%	100%	83-118%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
6630-30-4	2,4(1H,3H)-Pyrimidinedione, 6-chloro-5-n	2.79	69	ug/l	JN
15780-65-1	Acetoacetic acid, 1-thio-, S-allyl ester	4.26	85	ug/l	JN
	Total TIC, Volatile		154	ug/l	J

(a) Confirmation run.
(b) Associated BS recovery outside control limits.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EB-1		
Lab Sample ID:	FA15250-4	**Date Sampled:**	05/22/14
Matrix:	AQ - Equipment Blank	**Date Received:**	05/23/14
		Percent Solids:	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Iron	64.6 B	300	17	ug/l	1	05/28/14	05/28/14	LM	SW846 6010C [1]	SW846 3010A [2]
Manganese	1.0 U	15	1.0	ug/l	1	05/28/14	05/28/14	LM	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA11628
(2) Prep QC Batch: MP27307

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	EB-1		
Lab Sample ID:	FA15250-4	**Date Sampled:**	05/22/14
Matrix:	AQ - Equipment Blank	**Date Received:**	05/23/14
		Percent Solids:	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Total Organic Carbon	0.23 U	1.0	0.23	mg/l	1	05/30/14 21:34	FN	SM5310 B-11/SW9060A

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	FA15250-5	**Date Sampled:**	05/22/14
Matrix:	AQ - Trip Blank Water	**Date Received:**	05/23/14
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z26081.D	1	05/30/14	KW	n/a	n/a	VZ1017
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	1.0	0.30	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	113%		74-125%
2037-26-5	Toluene-D8	90%		88-111%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	FA15250-5	**Date Sampled:**	05/22/14
Matrix:	AQ - Trip Blank Water	**Date Received:**	05/23/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	O24261.D	1	05/31/14	MM	n/a	n/a	VO941
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	11	ug/l	
107-02-8	Acrolein	ND	20	6.4	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.24	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.31	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.38	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.26	ug/l	
75-25-2	Bromoform	ND	1.0	0.38	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.30	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.27	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.31	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.23	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.29	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.40	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.25	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.78	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.24	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.24	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.36	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.34	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.33	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.36	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.33	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
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Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	FA15250-5	**Date Sampled:**	05/22/14
Matrix:	AQ - Trip Blank Water	**Date Received:**	05/23/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.29	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.34	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.28	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.24	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.53	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.29	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	1.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.24	ug/l	
100-42-5	Styrene	ND	1.0	0.23	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.34	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.27	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.32	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.57	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.24	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.26	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.30	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.33	ug/l	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
	m,p-Xylene	ND	2.0	0.48	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	FA15250-5	**Date Sampled:**	05/22/14
Matrix:	AQ - Trip Blank Water	**Date Received:**	05/23/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		83-118%
17060-07-0	1,2-Dichloroethane-D4	102%		79-125%
2037-26-5	Toluene-D8	99%		85-112%
460-00-4	4-Bromofluorobenzene	101%		83-118%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
124-38-9	Carbon dioxide	2.28	12000	ug/l	JNB
67-63-0	Isopropyl Alcohol	4.71	250	ug/l	JN
	Total TIC, Volatile		250	ug/l	J

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Southeast ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

Accutest Laboratories Southeast
Chain of Custody

ACCUTEST LABORATORIES

4405 Vineland Road, Suite C-15 Orlando, Fl 32811
TEL. 407-425-6700 • FAX: 407-425-0707
www.accutest.com

Accutest JOB # FA15250 PAGE 1 OF 1

Accutest Quote # | SKIFF#

Client / Reporting Information

Company Name: EPM NC INC
Address: 15720 John Delaney Dr.
City: Charlotte State: NC Zip: 28277
Project Contact: Lane Darmon E-mail: Lane.Darmon@epm.com
Phone#: 919-233-4501
Sampler(s) Name(s) (Printed): Ryan Mayette Thomas Fisher

Project Information

Project Name: ECI - ELON
Street: 100 Rogo Dr.
City: ELON State: NC
Project #:
Fax #:
Client Purchase Order #:

Analytical Information / **Matrix Codes**

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe

Accutest Sample #	Field ID / Point of Collection	Collection Date	Time	Sampled By	Matrix	Total # of Bottles	Other	None	HCl	NaOH	HNO3	H2SO4	NaOH+ZnAc	DI Water	MeOH	VOC 8260	1,4 D	MNA**	HSL**	TOC							LAB USE ONLY
1	MW-7	5/22/14	920	RM	GW	10			X		X					X	X	X		X							
2	GP-2	5/22/14	920	RM	GW	11			X		X					X	X	X	X	X							
3	DUP-2	5/22/14	—	RM	GW	6			X							X	X										
4	EB-2	5/22/14	925	TF	W	10			X							X	X	X		X							
5	Trip Blank	5/22/14	—	—	LIQ	2			X							X	X										

TURNAROUND TIME (Business Days)

Approved By: / Rush Code

- ☐ 10 Days Standard
- ☐ 7 Day RUSH
- ☐ 5 Day RUSH
- ☐ 3 Day EMERGENCY
- ☐ 2 Day EMERGENCY
- ☐ 1 Day EMERGENCY
- ☐ OTHER

Emergency or Rush T/A Data Available VIA Email or Labilink

Data Deliverable Information

- ☐ COMMERCIAL "A" (RESULTS ONLY)
- ☐ COMMERCIAL "B" (RESULTS PLUS QC)
- ☐ REDT1 (EPA LEVEL 3)
- ☐ FULT1 (EPA LEVEL 4)
- ☐ EDD'S

RALEIGH.NC

SVC CENTER

Comments / Remarks

*MNA - Nitrate/Nitrite, Sulfate/Sulfate Iron, Mn and TOC

**HSL - antimony Barrillium, Cu, Mn, Ni Th, Zn

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
1 EPM	5/22/14 1000	2 Grant Radcliff	3 Grant Radcliff	5/23/14 1800	4 FX
Relinquished by: 5 FX	Date Time: 05/23/14 9:45	Received By: 6 05/23/14 9:45	Relinquished by: 7	Date Time:	Received By: 8

Lab Use Only: Custody Seal in Place: Y N Temp Blank Provided: Y N Preserved where Applicable: Y N Total # of Coolers: Cooler Temperature (s) Celsius: 4.0

4.1 4

FA15250: Chain of Custody
Page 1 of 6

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: FA15250 CLIENT: ERM PROJECT: ELON

DATE/TIME RECEIVED: 05/23/14 9:45 {MM/DD/YY 24:00} NUMBER OF COOLERS RECEIVED: 1

METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 7700 7309 2470

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET

TEMPERATURE INFORMATION

- [ ] IR THERM ID 3 CORR. FACTOR -0.2
- [ ] OBSERVED TEMPS: 4.2
- [ ] CORRECTED TEMPS: 4.0

TRIP BLANK INFORMATION

- [x] TRIP BLANK PROVIDED
- [ ] TRIP BLANK NOT PROVIDED
- [ ] TRIP BLANK NOT ON COC
- [x] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [x] RECEIVED WATER TRIP BLANK
- [ ] RECEIVED SOIL TRIP BLANK

SAMPLE INFORMATION

- [ ] INCORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] DATES/TIMES ON COC DO NOT MATCH SAMPLE LABEL
- [ ] ID'S ON COC DO NOT MATCH LABEL
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING OR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] 5035 FIELD KITS NOT RECEIVED WITHIN 48 HOURS
- [ ] BULK VOA SOIL JARS NOT RECEIVED WITHIN 48 HOURS
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] RESIDUAL CHLORINE PRESENT

{APPICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS}

MISC. INFORMATION

NUMBER OF ENCORES ? 25-GRAM_____ 5-GRAM_____

NUMBER OF 5035 FIELD KITS ? _____

NUMBER OF LAB FILTERED METALS ? _____

SUMMARY OF COMMENTS:

TECHNICIAN SIGNATURE/DATE 05/23/14 REVIEWER SIGNATURE/DATE 05-23-14

RS 04/14

receipt confirmation 041514.xls

4.1

4

FA15250: Chain of Custody

Page 2 of 6

Page 3 of 4

From: (919) 208-7171
Brent Rader
Accutest Labs Southeast
6308 - C Angus Drive

Raleigh, NC 27617

Origin ID: RZZA

FedEx Express

J1410140207032G

Ship Date: 22MAY14
ActWgt: 15.0 LB
CAD: 9855222/INET3490

Delivery Address Bar Code

SHIP TO: (407) 425-6700
BILL SENDER

Sample Receiving
Accutest SE
4405 VINELAND RD.
STE. C15
ORLANDO, FL 32811

Ref #
Invoice #
PO #
Dept #

3 of 4

FRI - 23 MAY AA
STANDARD OVERNIGHT

MPS# 0263 7700 7309 2470

Mstr# 7700 7309 1922 0201

XH TIXA

32811
FL-US
MCO

522G1/62D3/F220

FA15250: Chain of Custody
Page 3 of 6

Accutest Laboratories Southeast
Chain of Custody

ACCUTEST LABORATORIES

4405 Vineland Road, Suite C-15 Orlando, Fl 32811
TEL. 407-425-6700 • FAX: 407-425-0707
www.accutest.com

Accutest JOB # FA16250 PAGE_____OF_____

Accutest Quote # | SKIFF#

Client / Reporting Information

Company Name: AET
Address: 1933 Commonwealth Lane
City: Tallahassee State: Florida Zip: 32303
Project Contact: Mark Byler E-mail:
Phone#:
Sampler(s) Name(s) (Printed): Danny Clayton

Project Information

Project Name: Petro Mart 108
Street: 1824 Tennessee St
City: Lynn Haven State: Florida
Project #: 24082.13
Fax #:
Client Purchase Order #:

Analytical Information

Accutest Sample #	Field ID / Point of Collection	DATE	TIME	SAMPLED BY:	MATRIX	TOTAL # OF BOTTLES	OTHER	NONE	HCl	NaOH	HNO3	H2SO4	NaOH-ZNAC	DI WATER	MEOH	8021B BTEX/MTBE
1	DW 12	6/25	2:27	DC	GW	3			X							X
2	DW 9	6/25	2:55	DC	GW	3			X							X
3	DW 11	6/25	3:20	DC	GW	3			X							X
4	DW 1R	6/25	3:50	DC	GW	3			X							X
5	MW4	6/25	4:15	DC	GW	3			X							X
6	DW 4	6/25	4:40	DC	GW	3			X							X
7	DW 8	6/25	5:02	DC	GW	3			X							X
8	DW 10	6/25	5:25	DC	GW	3			X							X

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe

LAB USE ONLY

TURNAROUND TIME (Business Days)

Approved By: / Rush Code

- [X] 10 Days Standard
- [ ] 7 Day RUSH
- [ ] 5 Day RUSH
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY
- [ ] OTHER

Emergency or Rush T/A Data Available VIA Email or Lablink

Data Deliverable Information

- [ ] COMMERCIAL "A" (RESULTS ONLY)
- [ ] COMMERCIAL "B" (RESULTS PLUS QC)
- [ ] REDT1 (EPA LEVEL 3)
- [ ] FULT1 (EPA LEVEL 4)
- [ ] EDD'S

Comments / Remarks

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
1 Danny Clayton		2	3		4 9:50 06-27-14
Relinquished by:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
5		6	7		8

Lab Use Only: Custody Seal in Place: Y N Temp Blank Provided: Y N Preserved where Applicable: Y N Total # of Coolers: Cooler Temperature (s) Celsius: 2.8

4.1 4

FA15250: Chain of Custody
Page 4 of 6

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: FA11250 CLIENT: AET PROJECT: Petromart 108

DATE/TIME RECEIVED: 06/27/14 9:30 {MM/DD/YY 24:00} NUMBER OF COOLERS RECEIVED: 1

METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 8042 2601 2240

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET

TRIP BLANK INFORMATION

- [x] TRIP BLANK PROVIDED
- [ ] TRIP BLANK NOT PROVIDED
- [x] TRIP BLANK NOT ON COC
- [x] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [x] RECEIVED WATER TRIP BLANK
- [ ] RECEIVED SOIL TRIP BLANK

MISC. INFORMATION

NUMBER OF ENCORES ? 25-GRAM_____ 5-GRAM_____

NUMBER OF 5035 FIELD KITS ? _____

NUMBER OF LAB FILTERED METALS ? _____

TEMPERATURE INFORMATION

- [ ] IR THERM ID 1 CORR. FACTOR +0.4
- [ ] OBSERVED TEMPS: 2.4
- [ ] CORRECTED TEMPS: 2.8

SAMPLE INFORMATION

- [ ] INCORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] DATES/TIMES ON COC DO NOT MATCH SAMPLE LABEL
- [ ] ID'S ON COC DO NOT MATCH LABEL
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING OR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] 5035 FIELD KITS NOT RECEIVED WITHIN 48 HOURS
- [ ] BULK VOA SOIL JARS NOT RECEIVED WITHIN 48 HOURS
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] RESIDUAL CHLORINE PRESENT

{APPICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS}

SUMMARY OF COMMENTS:

TECHNICIAN SIGNATURE/DATE [signature] 06/27/14 REVIEWER SIGNATURE/DATE

RS 04/14

receipt confirmation 041514.xls

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FA15250: Chain of Custody

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FedEx Express Package US Airbill

FedEx Tracking Number 8047 2601 2240

1 From

Date 6/26/2014

Sender's Name Advanced Environmental Phone 800 989-8098

Company

Address 1933 Commonwealth lane

City Tallahassee State FL ZIP 32303

2 Your Internal Billing Reference

3 To

Recipient's Name SURPLY [illegible] Phone 407 [illegible]

Company ACCUTEST LABORATORIES [illegible] INC

Address 4405 VINELAND RD STE C-5

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

Dept./Floor/Suite/Room

Address

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

City State ZIP

HOLD Weekday

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

HOLD Saturday

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

8047 2601 2240

fedex.com 1.800.GoFedEx 1.800.463.3339

0215 1/18/11

4 Express Package Service

NOTE: Service order has changed. Please select carefully.

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

Next Business Day

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

2 or 3 Business Days

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

5 Packaging * Declared value limit $500.

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

6 Special Handling and Delivery Signature Options

- [ ] SATURDAY Delivery — NOT available for FedEx Standard Overnight, FedEx 2Day A.M., or FedEx Express Saver.
- [x] No Signature Required — Package may be left without obtaining a signature for delivery.
- [ ] Direct Signature — Someone at recipient's address may sign for delivery. Fee applies.
- [ ] Indirect Signature — If no one is available at recipient's address, someone at a neighboring address may sign for delivery. For residential deliveries only. Fee applies.

Does this shipment contain dangerous goods?

One box must be checked.

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

Dangerous goods (including dry ice) cannot be shipped in FedEx packaging.

- [ ] Cargo Aircraft Only

7 Payment Bill to:

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

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

Total Packages 1 Total Weight 22 lbs.

Credit Card Auth.

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

611

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FA15250: Chain of Custody

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Southeast ACCUTEST LABORATORIES

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: FA15250
Account: ERMNCR ERM
Project: ECI; 100 Rego Dr, Elon, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VZ1017-MB	Z26076.D	1	05/30/14	KW	n/a	n/a	VZ1017

The QC reported here applies to the following samples: **Method:** SW846 8260B BY SIM

FA15250-1, FA15250-2, FA15250-3, FA15250-4, FA15250-5

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	1.0	0.30	ug/l	

CAS No.	Surrogate Recoveries		Limits
17060-07-0	1,2-Dichloroethane-D4	115%	74-125%
2037-26-5	Toluene-D8	91%	88-111%

Method Blank Summary

Job Number: FA15250
Account: ERMNCR ERM
Project: ECI; 100 Rego Dr, Elon, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM3156-MB	M74727.D	1	05/30/14	RB	n/a	n/a	VM3156

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA15250-4

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	11	ug/l	
107-02-8	Acrolein	ND	20	6.4	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.24	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.31	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.38	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.26	ug/l	
75-25-2	Bromoform	ND	1.0	0.38	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.30	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.27	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.31	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.23	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.29	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.40	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.25	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.78	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.24	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.24	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.36	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.34	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.33	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.36	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.33	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.29	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.34	ug/l	

Method Blank Summary

Job Number: FA15250
Account: ERMNCR ERM
Project: ECI; 100 Rego Dr, Elon, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM3156-MB	M74727.D	1	05/30/14	RB	n/a	n/a	VM3156

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA15250-4

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.28	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.24	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.53	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.29	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	1.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.24	ug/l	
100-42-5	Styrene	ND	1.0	0.23	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.34	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.27	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.32	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.57	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.24	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.26	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.30	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.33	ug/l	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
	m,p-Xylene	ND	2.0	0.48	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

Method Blank Summary

Job Number: FA15250
Account: ERMNCR ERM
Project: ECI; 100 Rego Dr, Elon, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM3156-MB	M74727.D	1	05/30/14	RB	n/a	n/a	VM3156

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA15250-4

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	103%	83-118%
17060-07-0	1,2-Dichloroethane-D4	104%	79-125%
2037-26-5	Toluene-D8	100%	85-112%
460-00-4	4-Bromofluorobenzene	99%	83-118%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
75-07-0	Acetaldehyde	2.19	65	ug/l	JN
	Total TIC, Volatile		65	ug/l	J

Method Blank Summary

Job Number: FA15250
Account: ERMNCR ERM
Project: ECI; 100 Rego Dr, Elon, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VO941-MB	O24259.D	1	05/31/14	MM	n/a	n/a	VO941

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA15250-1, FA15250-2, FA15250-3, FA15250-5

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	11	ug/l	
107-02-8	Acrolein	ND	20	6.4	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.24	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.31	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.38	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.26	ug/l	
75-25-2	Bromoform	ND	1.0	0.38	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.30	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.27	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.31	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.23	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.29	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.40	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.25	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.78	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.24	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.24	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.36	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.34	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.33	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.36	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.33	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.29	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.34	ug/l	

Method Blank Summary

Job Number: FA15250
Account: ERMNCR ERM
Project: ECI; 100 Rego Dr, Elon, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VO941-MB	O24259.D	1	05/31/14	MM	n/a	n/a	VO941

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA15250-1, FA15250-2, FA15250-3, FA15250-5

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.28	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.24	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.53	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.29	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	1.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.24	ug/l	
100-42-5	Styrene	ND	1.0	0.23	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.34	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.27	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.32	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.57	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.24	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.26	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.30	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.33	ug/l	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
	m,p-Xylene	ND	2.0	0.48	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

Method Blank Summary

Job Number: FA15250
Account: ERMNCR ERM
Project: ECI; 100 Rego Dr, Elon, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VO941-MB	O24259.D	1	05/31/14	MM	n/a	n/a	VO941

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA15250-1, FA15250-2, FA15250-3, FA15250-5

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	99%	83-118%
17060-07-0	1,2-Dichloroethane-D4	103%	79-125%
2037-26-5	Toluene-D8	99%	85-112%
460-00-4	4-Bromofluorobenzene	100%	83-118%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
124-38-9	Carbon dioxide	2.27	6000	ug/l	JN
	Total TIC, Volatile		0	ug/l	

Method Blank Summary

Job Number: FA15250
Account: ERMNCR ERM
Project: ECI; 100 Rego Dr, Elon, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VO942-MB	O24288.D	1	06/02/14	MM	n/a	n/a	VO942

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA15250-2

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	1.0	0.30	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	99%	83-118%
17060-07-0	1,2-Dichloroethane-D4	103%	79-125%
2037-26-5	Toluene-D8	99%	85-112%
460-00-4	4-Bromofluorobenzene	100%	83-118%

Blank Spike Summary

Job Number: FA15250
Account: ERMNCR ERM
Project: ECI; 100 Rego Dr, Elon, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VZ1017-BS	Z26075.D	1	05/30/14	KW	n/a	n/a	VZ1017

The QC reported here applies to the following samples: **Method:** SW846 8260B BY SIM

FA15250-1, FA15250-2, FA15250-3, FA15250-4, FA15250-5

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
123-91-1	1,4-Dioxane	50	47.0	94	65-121

CAS No.	Surrogate Recoveries	BSP	Limits
17060-07-0	1,2-Dichloroethane-D4	114%	74-125%
2037-26-5	Toluene-D8	92%	88-111%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA15250
Account: ERMNCR ERM
Project: ECI; 100 Rego Dr, Elon, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM3156-BS	M74725.D	1	05/30/14	RB	n/a	n/a	VM3156

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA15250-4

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	178	142	50-147
107-02-8	Acrolein	125	197	158*	31-154
107-13-1	Acrylonitrile	125	128	102	58-126
71-43-2	Benzene	25	25.4	102	81-122
108-86-1	Bromobenzene	25	21.6	86	80-121
74-97-5	Bromochloromethane	25	23.5	94	76-123
75-27-4	Bromodichloromethane	25	25.9	104	79-123
75-25-2	Bromoform	25	27.9	112	66-123
104-51-8	n-Butylbenzene	25	20.7	83	79-126
135-98-8	sec-Butylbenzene	25	24.4	98	83-133
98-06-6	tert-Butylbenzene	25	24.5	98	80-133
108-90-7	Chlorobenzene	25	26.6	106	82-124
75-00-3	Chloroethane	25	20.7	83	62-144
67-66-3	Chloroform	25	23.2	93	80-124
95-49-8	o-Chlorotoluene	25	23.7	95	81-127
106-43-4	p-Chlorotoluene	25	25.2	101	83-130
110-75-8	2-Chloroethyl vinyl ether	125	136	109	56-122
75-15-0	Carbon disulfide	25	24.2	97	66-148
56-23-5	Carbon tetrachloride	25	25.0	100	76-136
75-34-3	1,1-Dichloroethane	25	24.5	98	81-122
75-35-4	1,1-Dichloroethylene	25	28.2	113	78-137
563-58-6	1,1-Dichloropropene	25	28.2	113	79-131
96-12-8	1,2-Dibromo-3-chloropropane	25	22.7	91	64-123
106-93-4	1,2-Dibromoethane	25	25.4	102	75-120
107-06-2	1,2-Dichloroethane	25	24.1	96	75-125
78-87-5	1,2-Dichloropropane	25	25.2	101	76-124
142-28-9	1,3-Dichloropropane	25	24.9	100	80-118
594-20-7	2,2-Dichloropropane	25	26.2	105	74-139
124-48-1	Dibromochloromethane	25	24.1	96	78-122
75-71-8	Dichlorodifluoromethane	25	24.1	96	42-167
156-59-2	cis-1,2-Dichloroethylene	25	25.7	103	78-120
10061-01-5	cis-1,3-Dichloropropene	25	25.2	101	75-118
541-73-1	m-Dichlorobenzene	25	24.3	97	84-125
95-50-1	o-Dichlorobenzene	25	24.0	96	82-124
106-46-7	p-Dichlorobenzene	25	21.7	87	78-120
156-60-5	trans-1,2-Dichloroethylene	25	26.6	106	76-127

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA15250
Account: ERMNCR ERM
Project: ECI; 100 Rego Dr, Elon, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM3156-BS	M74725.D	1	05/30/14	RB	n/a	n/a	VM3156

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA15250-4

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
10061-02-6	trans-1,3-Dichloropropene	25	24.3	97	80-120
100-41-4	Ethylbenzene	25	25.1	100	81-121
591-78-6	2-Hexanone	125	153	122	61-129
87-68-3	Hexachlorobutadiene	25	23.8	95	75-142
98-82-8	Isopropylbenzene	25	27.2	109	83-132
99-87-6	p-Isopropyltoluene	25	23.2	93	79-130
108-10-1	4-Methyl-2-pentanone	125	141	113	66-122
74-83-9	Methyl bromide	25	22.6	90	59-143
74-87-3	Methyl chloride	25	23.9	96	50-159
74-95-3	Methylene bromide	25	25.1	100	78-119
75-09-2	Methylene chloride	25	27.5	110	69-135
78-93-3	Methyl ethyl ketone	125	146	117	56-143
1634-04-4	Methyl Tert Butyl Ether	25	24.1	96	72-117
91-20-3	Naphthalene	25	21.2	85	63-132
103-65-1	n-Propylbenzene	25	25.1	100	82-133
100-42-5	Styrene	25	23.8	95	78-119
630-20-6	1,1,1,2-Tetrachloroethane	25	24.9	100	77-122
71-55-6	1,1,1-Trichloroethane	25	25.0	100	75-130
79-34-5	1,1,2,2-Tetrachloroethane	25	22.3	89	72-120
79-00-5	1,1,2-Trichloroethane	25	24.8	99	76-119
87-61-6	1,2,3-Trichlorobenzene	25	21.8	87	68-131
96-18-4	1,2,3-Trichloropropane	25	22.9	92	77-120
120-82-1	1,2,4-Trichlorobenzene	25	19.7	79	73-129
95-63-6	1,2,4-Trimethylbenzene	25	21.8	87	79-120
108-67-8	1,3,5-Trimethylbenzene	25	23.2	93	79-120
127-18-4	Tetrachloroethylene	25	26.7	107	76-135
108-88-3	Toluene	25	24.5	98	80-120
79-01-6	Trichloroethylene	25	25.0	100	81-126
75-69-4	Trichlorofluoromethane	25	36.6	146	71-156
75-01-4	Vinyl chloride	25	23.8	95	69-159
108-05-4	Vinyl Acetate	125	148	118	43-154
	m,p-Xylene	50	55.5	111	79-126
95-47-6	o-Xylene	25	25.4	102	80-127

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA15250
Account: ERMNCR ERM
Project: ECI; 100 Rego Dr, Elon, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM3156-BS	M74725.D	1	05/30/14	RB	n/a	n/a	VM3156

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA15250-4

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	97%	83-118%
17060-07-0	1,2-Dichloroethane-D4	103%	79-125%
2037-26-5	Toluene-D8	98%	85-112%
460-00-4	4-Bromofluorobenzene	91%	83-118%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA15250
Account: ERMNCR ERM
Project: ECI; 100 Rego Dr, Elon, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VO941-BS	O24257.D	1	05/31/14	MM	n/a	n/a	VO941

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA15250-1, FA15250-2, FA15250-3, FA15250-5

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	168	134	50-147
107-02-8	Acrolein	125	172	138	31-154
107-13-1	Acrylonitrile	125	138	110	58-126
71-43-2	Benzene	25	27.1	108	81-122
108-86-1	Bromobenzene	25	27.7	111	80-121
74-97-5	Bromochloromethane	25	25.9	104	76-123
75-27-4	Bromodichloromethane	25	26.2	105	79-123
75-25-2	Bromoform	25	23.5	94	66-123
104-51-8	n-Butylbenzene	25	26.9	108	79-126
135-98-8	sec-Butylbenzene	25	29.2	117	83-133
98-06-6	tert-Butylbenzene	25	28.5	114	80-133
108-90-7	Chlorobenzene	25	29.5	118	82-124
75-00-3	Chloroethane	25	31.0	124	62-144
67-66-3	Chloroform	25	27.5	110	80-124
95-49-8	o-Chlorotoluene	25	29.7	119	81-127
106-43-4	p-Chlorotoluene	25	29.0	116	83-130
110-75-8	2-Chloroethyl vinyl ether	125	144	115	56-122
75-15-0	Carbon disulfide	25	26.7	107	66-148
56-23-5	Carbon tetrachloride	25	29.6	118	76-136
75-34-3	1,1-Dichloroethane	25	28.4	114	81-122
75-35-4	1,1-Dichloroethylene	25	32.9	132	78-137
563-58-6	1,1-Dichloropropene	25	29.8	119	79-131
96-12-8	1,2-Dibromo-3-chloropropane	25	23.7	95	64-123
106-93-4	1,2-Dibromoethane	25	25.4	102	75-120
107-06-2	1,2-Dichloroethane	25	27.4	110	75-125
78-87-5	1,2-Dichloropropane	25	26.8	107	76-124
142-28-9	1,3-Dichloropropane	25	25.2	101	80-118
594-20-7	2,2-Dichloropropane	25	30.6	122	74-139
124-48-1	Dibromochloromethane	25	25.2	101	78-122
75-71-8	Dichlorodifluoromethane	25	32.5	130	42-167
156-59-2	cis-1,2-Dichloroethylene	25	26.8	107	78-120
10061-01-5	cis-1,3-Dichloropropene	25	25.9	104	75-118
541-73-1	m-Dichlorobenzene	25	29.8	119	84-125
95-50-1	o-Dichlorobenzene	25	29.2	117	82-124
106-46-7	p-Dichlorobenzene	25	26.5	106	78-120
156-60-5	trans-1,2-Dichloroethylene	25	29.0	116	76-127

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA15250
Account: ERMNCR ERM
Project: ECI; 100 Rego Dr, Elon, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VO941-BS	O24257.D	1	05/31/14	MM	n/a	n/a	VO941

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA15250-1, FA15250-2, FA15250-3, FA15250-5

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
10061-02-6	trans-1,3-Dichloropropene	25	27.7	111	80-120
100-41-4	Ethylbenzene	25	28.0	112	81-121
591-78-6	2-Hexanone	125	157	126	61-129
87-68-3	Hexachlorobutadiene	25	29.1	116	75-142
98-82-8	Isopropylbenzene	25	29.0	116	83-132
99-87-6	p-Isopropyltoluene	25	29.2	117	79-130
108-10-1	4-Methyl-2-pentanone	125	132	106	66-122
74-83-9	Methyl bromide	25	30.4	122	59-143
74-87-3	Methyl chloride	25	32.6	130	50-159
74-95-3	Methylene bromide	25	25.6	102	78-119
75-09-2	Methylene chloride	25	32.0	128	69-135
78-93-3	Methyl ethyl ketone	125	150	120	56-143
1634-04-4	Methyl Tert Butyl Ether	25	26.3	105	72-117
91-20-3	Naphthalene	25	25.3	101	63-132
103-65-1	n-Propylbenzene	25	30.8	123	82-133
100-42-5	Styrene	25	25.7	103	78-119
630-20-6	1,1,1,2-Tetrachloroethane	25	26.1	104	77-122
71-55-6	1,1,1-Trichloroethane	25	29.8	119	75-130
79-34-5	1,1,2,2-Tetrachloroethane	25	25.0	100	72-120
79-00-5	1,1,2-Trichloroethane	25	24.8	99	76-119
87-61-6	1,2,3-Trichlorobenzene	25	26.1	104	68-131
96-18-4	1,2,3-Trichloropropane	25	25.8	103	77-120
120-82-1	1,2,4-Trichlorobenzene	25	26.2	105	73-129
95-63-6	1,2,4-Trimethylbenzene	25	25.9	104	79-120
108-67-8	1,3,5-Trimethylbenzene	25	26.0	104	79-120
127-18-4	Tetrachloroethylene	25	26.2	105	76-135
108-88-3	Toluene	25	27.0	108	80-120
79-01-6	Trichloroethylene	25	27.6	110	81-126
75-69-4	Trichlorofluoromethane	25	30.2	121	71-156
75-01-4	Vinyl chloride	25	28.4	114	69-159
108-05-4	Vinyl Acetate	125	170	136	43-154
	m,p-Xylene	50	57.9	116	79-126
95-47-6	o-Xylene	25	29.1	116	80-127

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA15250
Account: ERMNCR ERM
Project: ECI; 100 Rego Dr, Elon, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VO941-BS	O24257.D	1	05/31/14	MM	n/a	n/a	VO941

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA15250-1, FA15250-2, FA15250-3, FA15250-5

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	102%	83-118%
17060-07-0	1,2-Dichloroethane-D4	103%	79-125%
2037-26-5	Toluene-D8	99%	85-112%
460-00-4	4-Bromofluorobenzene	100%	83-118%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA15250
Account: ERMNCR ERM
Project: ECI; 100 Rego Dr, Elon, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VO942-BS	O24289.D	1	06/02/14	MM	n/a	n/a	VO942

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA15250-2

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
79-01-6	Trichloroethylene	25	27.6	110	81-126

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	103%	83-118%
17060-07-0	1,2-Dichloroethane-D4	103%	79-125%
2037-26-5	Toluene-D8	99%	85-112%
460-00-4	4-Bromofluorobenzene	100%	83-118%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA15250
Account: ERMNCR ERM
Project: ECI; 100 Rego Dr, Elon, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA15195-2MS	Z26098.D	1	05/30/14	KW	n/a	n/a	VZ1017
FA15195-2MSD	Z26099.D	1	05/30/14	KW	n/a	n/a	VZ1017
FA15195-2	Z26085.D	1	05/30/14	KW	n/a	n/a	VZ1017

The QC reported here applies to the following samples: **Method:** SW846 8260B BY SIM

FA15250-1, FA15250-2, FA15250-3, FA15250-4, FA15250-5

CAS No.	Compound	FA15195-2 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
123-91-1	1,4-Dioxane	ND		50	46.8	94	50	48.1	96	3	65-121/27

CAS No.	Surrogate Recoveries	MS	MSD	FA15195-2	Limits
17060-07-0	1,2-Dichloroethane-D4	109%	108%	112%	74-125%
2037-26-5	Toluene-D8	91%	91%	91%	88-111%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA15250
Account: ERMNCR ERM
Project: ECI; 100 Rego Dr, Elon, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA15149-1MS	M74745.D	1	05/30/14	RB	n/a	n/a	VM3156
FA15149-1MSD	M74746.D	1	05/30/14	RB	n/a	n/a	VM3156
FA15149-1	M74734.D	1	05/30/14	RB	n/a	n/a	VM3156

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA15250-4

CAS No.	Compound	FA15149-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		125	88.9	71	125	89.7	72	1	50-147/21
107-02-8	Acrolein	ND		125	168	134	125	167	134	1	31-154/29
107-13-1	Acrylonitrile	ND		125	119	95	125	124	99	4	58-126/16
71-43-2	Benzene	ND		25	28.4	114	25	26.8	107	6	81-122/14
108-86-1	Bromobenzene	ND		25	24.4	98	25	24.3	97	0	80-121/14
74-97-5	Bromochloromethane	ND		25	27.9	112	25	27.8	111	0	76-123/14
75-27-4	Bromodichloromethane	ND		25	28.3	113	25	27.2	109	4	79-123/19
75-25-2	Bromoform	ND		25	29.8	119	25	28.3	113	5	66-123/21
104-51-8	n-Butylbenzene	ND		25	23.3	93	25	22.6	90	3	79-126/16
135-98-8	sec-Butylbenzene	ND		25	27.5	110	25	27.1	108	1	83-133/16
98-06-6	tert-Butylbenzene	ND		25	26.6	106	25	27.1	108	2	80-133/16
108-90-7	Chlorobenzene	ND		25	29.3	117	25	27.6	110	6	82-124/14
75-00-3	Chloroethane	ND		25	21.0	84	25	18.8	75	11	62-144/20
67-66-3	Chloroform	ND		25	27.7	111	25	25.9	104	7	80-124/15
95-49-8	o-Chlorotoluene	ND		25	25.4	102	25	25.7	103	1	81-127/15
106-43-4	p-Chlorotoluene	ND		25	27.4	110	25	28.1	112	3	83-130/15
110-75-8	2-Chloroethyl vinyl ether	ND		125	3.8	3*	125	ND	0*	200*	56-122/23
75-15-0	Carbon disulfide	ND		25	23.6	94	25	18.3	73	25*	66-148/23
56-23-5	Carbon tetrachloride	ND		25	28.1	112	25	26.9	108	4	76-136/23
75-34-3	1,1-Dichloroethane	ND		25	28.4	114	25	26.0	104	9	81-122/15
75-35-4	1,1-Dichloroethylene	ND		25	30.8	123	25	28.9	116	6	78-137/18
563-58-6	1,1-Dichloropropene	ND		25	32.0	128	25	29.9	120	7	79-131/16
96-12-8	1,2-Dibromo-3-chloropropane	ND		25	24.2	97	25	25.2	101	4	64-123/18
106-93-4	1,2-Dibromoethane	ND		25	27.5	110	25	26.7	107	3	75-120/13
107-06-2	1,2-Dichloroethane	ND		25	27.7	111	25	26.7	107	4	75-125/14
78-87-5	1,2-Dichloropropane	ND		25	28.4	114	25	27.3	109	4	76-124/14
142-28-9	1,3-Dichloropropane	ND		25	27.1	108	25	26.5	106	2	80-118/13
594-20-7	2,2-Dichloropropane	ND		25	31.0	124	25	28.5	114	8	74-139/17
124-48-1	Dibromochloromethane	ND		25	25.6	102	25	25.2	101	2	78-122/19
75-71-8	Dichlorodifluoromethane	ND		25	22.4	90	25	23.2	93	4	42-167/19
156-59-2	cis-1,2-Dichloroethylene	ND		25	28.6	114	25	29.6	118	3	78-120/15
10061-01-5	cis-1,3-Dichloropropene	ND		25	25.6	102	25	23.3	93	9	75-118/23
541-73-1	m-Dichlorobenzene	ND		25	26.4	106	25	26.8	107	2	84-125/14
95-50-1	o-Dichlorobenzene	ND		25	26.7	107	25	27.5	110	3	82-124/14
106-46-7	p-Dichlorobenzene	ND		25	23.5	94	25	23.7	95	1	78-120/15
156-60-5	trans-1,2-Dichloroethylene	ND		25	29.3	117	25	27.5	110	6	76-127/17

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA15250
Account: ERMNCR ERM
Project: ECI; 100 Rego Dr, Elon, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA15149-1MS	M74745.D	1	05/30/14	RB	n/a	n/a	VM3156
FA15149-1MSD	M74746.D	1	05/30/14	RB	n/a	n/a	VM3156
FA15149-1	M74734.D	1	05/30/14	RB	n/a	n/a	VM3156

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA15250-4

CAS No.	Compound	FA15149-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
10061-02-6	trans-1,3-Dichloropropene	ND		25	26.5	106	25	25.6	102	3	80-120/22
100-41-4	Ethylbenzene	ND		25	27.3	109	25	25.6	102	6	81-121/14
591-78-6	2-Hexanone	ND		125	110	88	125	109	87	1	61-129/18
87-68-3	Hexachlorobutadiene	ND		25	24.7	99	25	25.5	102	3	75-142/19
98-82-8	Isopropylbenzene	ND		25	29.5	118	25	27.6	110	7	83-132/15
99-87-6	p-Isopropyltoluene	ND		25	25.4	102	25	25.4	102	0	79-130/16
108-10-1	4-Methyl-2-pentanone	ND		125	144	115	125	144	115	0	66-122/16
74-83-9	Methyl bromide	ND		25	20.7	83	25	20.3	81	2	59-143/19
74-87-3	Methyl chloride	ND		25	23.1	92	25	23.1	92	0	50-159/19
74-95-3	Methylene bromide	ND		25	27.8	111	25	28.3	113	2	78-119/14
75-09-2	Methylene chloride	ND		25	31.4	126	25	30.0	120	5	69-135/16
78-93-3	Methyl ethyl ketone	ND		125	108	86	125	112	90	4	56-143/18
1634-04-4	Methyl Tert Butyl Ether	ND		25	26.5	106	25	26.7	107	1	72-117/14
91-20-3	Naphthalene	ND		25	20.3	81	25	22.4	90	10	63-132/25
103-65-1	n-Propylbenzene	ND		25	27.4	110	25	27.3	109	0	82-133/15
100-42-5	Styrene	ND		25	26.2	105	25	25.1	100	4	78-119/23
630-20-6	1,1,1,2-Tetrachloroethane	ND		25	27.0	108	25	25.8	103	5	77-122/19
71-55-6	1,1,1-Trichloroethane	ND		25	27.9	112	25	26.5	106	5	75-130/16
79-34-5	1,1,2,2-Tetrachloroethane	ND		25	24.2	97	25	26.0	104	7	72-120/14
79-00-5	1,1,2-Trichloroethane	ND		25	27.3	109	25	26.9	108	1	76-119/14
87-61-6	1,2,3-Trichlorobenzene	ND		25	22.2	89	25	23.3	93	5	68-131/25
96-18-4	1,2,3-Trichloropropane	ND		25	23.9	96	25	25.7	103	7	77-120/16
120-82-1	1,2,4-Trichlorobenzene	ND		25	20.1	80	25	22.1	88	9	73-129/20
95-63-6	1,2,4-Trimethylbenzene	ND		25	23.6	94	25	23.8	95	1	79-120/18
108-67-8	1,3,5-Trimethylbenzene	ND		25	25.2	101	25	24.8	99	2	79-120/19
127-18-4	Tetrachloroethylene	ND		25	29.0	116	25	27.3	109	6	76-135/16
108-88-3	Toluene	ND		25	26.5	106	25	25.1	100	5	80-120/14
79-01-6	Trichloroethylene	ND		25	28.1	112	25	26.5	106	6	81-126/15
75-69-4	Trichlorofluoromethane	ND		25	37.7	151	25	35.7	143	5	71-156/21
75-01-4	Vinyl chloride	ND		25	22.9	92	25	22.7	91	1	69-159/18
108-05-4	Vinyl Acetate	ND		125	158	126	125	155	124	2	43-154/14
	m,p-Xylene	ND		50	60.7	121	50	54.7	109	10	79-126/15
95-47-6	o-Xylene	ND		25	27.8	111	25	26.2	105	6	80-127/14

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA15250
Account: ERMNCR ERM
Project: ECI; 100 Rego Dr, Elon, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA15149-1MS	M74745.D	1	05/30/14	RB	n/a	n/a	VM3156
FA15149-1MSD	M74746.D	1	05/30/14	RB	n/a	n/a	VM3156
FA15149-1	M74734.D	1	05/30/14	RB	n/a	n/a	VM3156

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA15250-4

CAS No.	Surrogate Recoveries	MS	MSD	FA15149-1	Limits
1868-53-7	Dibromofluoromethane	101%	102%	105%	83-118%
17060-07-0	1,2-Dichloroethane-D4	105%	106%	107%	79-125%
2037-26-5	Toluene-D8	94%	93%	102%	85-112%
460-00-4	4-Bromofluorobenzene	87%	93%	95%	83-118%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA15250
Account: ERMNCR ERM
Project: ECI; 100 Rego Dr, Elon, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA15250-1MS	O24281.D	50	05/31/14	MM	n/a	n/a	VO941
FA15250-1MSD	O24282.D	50	05/31/14	MM	n/a	n/a	VO941
FA15250-1	O24263.D	50	05/31/14	MM	n/a	n/a	VO941

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA15250-1, FA15250-2, FA15250-3, FA15250-5

CAS No.	Compound	FA15250-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		6250	4420	71	6250	4620	74	4	50-147/21
107-02-8	Acrolein	ND		6250	8310	133	6250	8170	131	2	31-154/29
107-13-1	Acrylonitrile	ND		6250	6780	108	6250	7030	112	4	58-126/16
71-43-2	Benzene	ND		1250	1340	107	1250	1340	107	0	81-122/14
108-86-1	Bromobenzene	ND		1250	1390	111	1250	1350	108	3	80-121/14
74-97-5	Bromochloromethane	ND		1250	1280	102	1250	1310	105	2	76-123/14
75-27-4	Bromodichloromethane	ND		1250	1290	103	1250	1290	103	0	79-123/19
75-25-2	Bromoform	ND		1250	1070	86	1250	1090	87	2	66-123/21
104-51-8	n-Butylbenzene	ND		1250	1270	102	1250	1230	98	3	79-126/16
135-98-8	sec-Butylbenzene	ND		1250	1440	115	1250	1400	112	3	83-133/16
98-06-6	tert-Butylbenzene	ND		1250	1430	114	1250	1380	110	4	80-133/16
108-90-7	Chlorobenzene	ND		1250	1450	116	1250	1440	115	1	82-124/14
75-00-3	Chloroethane	ND		1250	1380	110	1250	1380	110	0	62-144/20
67-66-3	Chloroform	ND		1250	1390	111	1250	1380	110	1	80-124/15
95-49-8	o-Chlorotoluene	ND		1250	1480	118	1250	1440	115	3	81-127/15
106-43-4	p-Chlorotoluene	ND		1250	1440	115	1250	1420	114	1	83-130/15
110-75-8	2-Chloroethyl vinyl ether	ND		6250	1030	16*	6250	943	15*	9	56-122/23
75-15-0	Carbon disulfide	ND		1250	1240	99	1250	1220	98	2	66-148/23
56-23-5	Carbon tetrachloride	ND		1250	1420	114	1250	1420	114	0	76-136/23
75-34-3	1,1-Dichloroethane	ND		1250	1410	113	1250	1410	113	0	81-122/15
75-35-4	1,1-Dichloroethylene	ND		1250	1600	128	1250	1590	127	1	78-137/18
563-58-6	1,1-Dichloropropene	ND		1250	1480	118	1250	1460	117	1	79-131/16
96-12-8	1,2-Dibromo-3-chloropropane	ND		1250	1150	92	1250	1160	93	1	64-123/18
106-93-4	1,2-Dibromoethane	ND		1250	1270	102	1250	1270	102	0	75-120/13
107-06-2	1,2-Dichloroethane	ND		1250	1400	112	1250	1400	112	0	75-125/14
78-87-5	1,2-Dichloropropane	ND		1250	1320	106	1250	1320	106	0	76-124/14
142-28-9	1,3-Dichloropropane	ND		1250	1260	101	1250	1270	102	1	80-118/13
594-20-7	2,2-Dichloropropane	ND		1250	1190	95	1250	1170	94	2	74-139/17
124-48-1	Dibromochloromethane	ND		1250	1210	97	1250	1200	96	1	78-122/19
75-71-8	Dichlorodifluoromethane	ND		1250	1600	128	1250	1550	124	3	42-167/19
156-59-2	cis-1,2-Dichloroethylene	59.6		1250	1380	106	1250	1390	106	1	78-120/15
10061-01-5	cis-1,3-Dichloropropene	ND		1250	1190	95	1250	1180	94	1	75-118/23
541-73-1	m-Dichlorobenzene	ND		1250	1470	118	1250	1440	115	2	84-125/14
95-50-1	o-Dichlorobenzene	ND		1250	1450	116	1250	1430	114	1	82-124/14
106-46-7	p-Dichlorobenzene	ND		1250	1320	106	1250	1290	103	2	78-120/15
156-60-5	trans-1,2-Dichloroethylene	ND		1250	1450	116	1250	1440	115	1	76-127/17

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA15250
Account: ERMNCR ERM
Project: ECI; 100 Rego Dr, Elon, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA15250-1MS	O24281.D	50	05/31/14	MM	n/a	n/a	VO941
FA15250-1MSD	O24282.D	50	05/31/14	MM	n/a	n/a	VO941
FA15250-1	O24263.D	50	05/31/14	MM	n/a	n/a	VO941

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA15250-1, FA15250-2, FA15250-3, FA15250-5

CAS No.	Compound	FA15250-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
10061-02-6	trans-1,3-Dichloropropene	ND		1250	1300	104	1250	1290	103	1	80-120/22
100-41-4	Ethylbenzene	ND		1250	1380	110	1250	1360	109	1	81-121/14
591-78-6	2-Hexanone	ND		6250	6180	99	6250	6400	102	3	61-129/18
87-68-3	Hexachlorobutadiene	ND		1250	1400	112	1250	1380	110	1	75-142/19
98-82-8	Isopropylbenzene	ND		1250	1420	114	1250	1390	111	2	83-132/15
99-87-6	p-Isopropyltoluene	ND		1250	1420	114	1250	1370	110	4	79-130/16
108-10-1	4-Methyl-2-pentanone	ND		6250	6480	104	6250	6660	107	3	66-122/16
74-83-9	Methyl bromide	ND		1250	1380	110	1250	1400	112	1	59-143/19
74-87-3	Methyl chloride	ND		1250	1580	126	1250	1550	124	2	50-159/19
74-95-3	Methylene bromide	ND		1250	1280	102	1250	1280	102	0	78-119/14
75-09-2	Methylene chloride	ND		1250	1590	127	1250	1590	127	0	69-135/16
78-93-3	Methyl ethyl ketone	ND		6250	4870	78	6250	5070	81	4	56-143/18
1634-04-4	Methyl Tert Butyl Ether	ND		1250	1260	101	1250	1290	103	2	72-117/14
91-20-3	Naphthalene	ND		1250	1210	97	1250	1270	102	5	63-132/25
103-65-1	n-Propylbenzene	ND		1250	1520	122	1250	1480	118	3	82-133/15
100-42-5	Styrene	ND		1250	1250	100	1250	1250	100	0	78-119/23
630-20-6	1,1,1,2-Tetrachloroethane	ND		1250	1290	103	1250	1290	103	0	77-122/19
71-55-6	1,1,1-Trichloroethane	ND		1250	1470	118	1250	1470	118	0	75-130/16
79-34-5	1,1,2,2-Tetrachloroethane	ND		1250	1260	101	1250	1270	102	1	72-120/14
79-00-5	1,1,2-Trichloroethane	ND		1250	1260	101	1250	1270	102	1	76-119/14
87-61-6	1,2,3-Trichlorobenzene	ND		1250	1260	101	1250	1300	104	3	68-131/25
96-18-4	1,2,3-Trichloropropane	ND		1250	1320	106	1250	1310	105	1	77-120/16
120-82-1	1,2,4-Trichlorobenzene	ND		1250	1270	102	1250	1270	102	0	73-129/20
95-63-6	1,2,4-Trimethylbenzene	ND		1250	1280	102	1250	1240	99	3	79-120/18
108-67-8	1,3,5-Trimethylbenzene	ND		1250	1290	103	1250	1250	100	3	79-120/19
127-18-4	Tetrachloroethylene	99.7		1250	1360	101	1250	1360	101	0	76-135/16
108-88-3	Toluene	ND		1250	1340	107	1250	1330	106	1	80-120/14
79-01-6	Trichloroethylene	3030		1250	4330	104	1250	4300	102	1	81-126/15
75-69-4	Trichlorofluoromethane	ND		1250	1450	116	1250	1440	115	1	71-156/21
75-01-4	Vinyl chloride	ND		1250	1320	106	1250	1310	105	1	69-159/18
108-05-4	Vinyl Acetate	ND		6250	8450	135	6250	8560	137	1	43-154/14
	m,p-Xylene	ND		2500	2840	114	2500	2800	112	1	79-126/15
95-47-6	o-Xylene	ND		1250	1420	114	1250	1410	113	1	80-127/14

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA15250
Account: ERMNCR ERM
Project: ECI; 100 Rego Dr, Elon, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA15250-1MS	O24281.D	50	05/31/14	MM	n/a	n/a	VO941
FA15250-1MSD	O24282.D	50	05/31/14	MM	n/a	n/a	VO941
FA15250-1	O24263.D	50	05/31/14	MM	n/a	n/a	VO941

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA15250-1, FA15250-2, FA15250-3, FA15250-5

CAS No.	Surrogate Recoveries	MS	MSD	FA15250-1	Limits
1868-53-7	Dibromofluoromethane	103%	104%	99%	83-118%
17060-07-0	1,2-Dichloroethane-D4	105%	104%	103%	79-125%
2037-26-5	Toluene-D8	99%	99%	99%	85-112%
460-00-4	4-Bromofluorobenzene	100%	100%	100%	83-118%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA15250
Account: ERMNCR ERM
Project: ECI; 100 Rego Dr, Elon, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA15234-8MS	O24309.D	10	06/02/14	MM	n/a	n/a	VO942
FA15234-8MSD	O24310.D	10	06/02/14	MM	n/a	n/a	VO942
FA15234-8	O24300.D	1	06/02/14	MM	n/a	n/a	VO942
FA15234-8	O24298.D	10	06/02/14	MM	n/a	n/a	VO942

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA15250-2

CAS No.	Compound	FA15234-8 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
79-01-6	Trichloroethylene	1.0	U	250	308	123	250	294	118	5	81-126/15

CAS No.	Surrogate Recoveries	MS	MSD	FA15234-8	FA15234-8	Limits
1868-53-7	Dibromofluoromethane	104%	104%	100%	99%	83-118%
17060-07-0	1,2-Dichloroethane-D4	106%	106%	104%	104%	79-125%
2037-26-5	Toluene-D8	98%	99%	98%	99%	85-112%
460-00-4	4-Bromofluorobenzene	99%	99%	100%	100%	83-118%

* = Outside of Control Limits.

Southeast ACCUTEST LABORATORIES

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA15250
Account: ERMNCR - ERM
Project: ECI; 100 Rego Dr, Elon, NC

QC Batch ID: MP27307
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 05/28/14

Metal	RL	IDL	MDL	MB raw	final
Aluminum	200	15	15		
Antimony	6.0	2	2.3	1.9	<6.0
Arsenic	10	2	2.4		
Barium	200	1	1		
Beryllium	4.0	.5	.5	0.0	<4.0
Cadmium	5.0	.5	.5		
Calcium	1000	50	50		
Chromium	10	1	2		
Cobalt	50	.5	.5		
Copper	25	1	1	0.30	<25
Iron	300	17	17	2.6	<300
Lead	5.0	1.1	1.1		
Magnesium	5000	50	56		
Manganese	15	.5	1	0.0	<15
Molybdenum	50	.5	.5		
Nickel	40	.5	.5	-0.10	<40
Potassium	10000	200	200		
Selenium	10	2.3	2.3		
Silver	10	.65	.77		
Sodium	10000	500	500		
Strontium	10	.4	.4		
Thallium	10	1.5	2	-1.0	<10
Tin	50	.7	1		
Titanium	10	.9	1		
Vanadium	50	.5	.5		
Zinc	20	3	3	3.2	<20

Associated samples MP27307: FA15250-1, FA15250-2, FA15250-4

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA15250
Account: ERMNCR - ERM
Project: ECI; 100 Rego Dr, Elon, NC

QC Batch ID: MP27307
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:			05/28/14					05/28/14	
Metal	FA15195-1 Original	DUP	RPD	QC Limits	FA15195-1 Original	MS	Spikelot MPFLICP2	% Rec	QC Limits
Aluminum									
Antimony	0.0	0.0	NC	0-20	0.0	529	500	105.8	80-120
Arsenic	anr								
Barium									
Beryllium	0.0	0.0	NC	0-20	0.0	55.3	50	110.6	80-120
Cadmium	anr								
Calcium									
Chromium	anr								
Cobalt									
Copper	1.2	1.3	8.0	0-20	1.2	287	250	114.3	80-120
Iron	5910	5760	2.6	0-20	5910	34400	26000	109.6	80-120
Lead	anr								
Magnesium									
Manganese	554	552	0.4	0-20	554	1110	500	111.2	80-120
Molybdenum									
Nickel	5.6	5.5	1.8	0-20	5.6	550	500	108.9	80-120
Potassium									
Selenium									
Silver									
Sodium									
Strontium									
Thallium	0.0	0.0	NC	0-20	0.0	2100	2000	105.0	80-120
Tin									
Titanium									
Vanadium									
Zinc	16.5	19.3	15.6	0-20	16.5	529	500	102.5	80-120

Associated samples MP27307: FA15250-1, FA15250-2, FA15250-4

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA15250
Account: ERMNCR - ERM
Project: ECI; 100 Rego Dr, Elon, NC

QC Batch ID: MP27307
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 05/28/14

Metal	FA15195-1 Original	MSD	Spikelot MPFLICP2	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony	0.0	526	500	105.2	0.6	20
Arsenic	anr					
Barium						
Beryllium	0.0	54.8	50	109.6	0.9	20
Cadmium	anr					
Calcium						
Chromium	anr					
Cobalt						
Copper	1.2	280	250	111.5	2.5	20
Iron	5910	33900	26000	107.7	1.5	20
Lead	anr					
Magnesium						
Manganese	554	1100	500	109.2	0.9	20
Molybdenum						
Nickel	5.6	547	500	108.3	0.5	20
Potassium						
Selenium						
Silver						
Sodium						
Strontium						
Thallium	0.0	2080	2000	104.0	1.0	20
Tin						
Titanium						
Vanadium						
Zinc	16.5	526	500	101.9	0.6	20

Associated samples MP27307: FA15250-1, FA15250-2, FA15250-4

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA15250
Account: ERMNCR - ERM
Project: ECI; 100 Rego Dr, Elon, NC

QC Batch ID: MP27307
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 05/28/14

Metal	BSP Result	Spikelot MPFLICP2	% Rec	QC Limits
Aluminum				
Antimony	529	500	105.8	80-120
Arsenic	anr			
Barium				
Beryllium	54.9	50	109.8	80-120
Cadmium	anr			
Calcium				
Chromium	anr			
Cobalt				
Copper	283	250	113.2	80-120
Iron	28300	26000	108.8	80-120
Lead	anr			
Magnesium				
Manganese	557	500	111.4	80-120
Molybdenum				
Nickel	546	500	109.2	80-120
Potassium				
Selenium				
Silver				
Sodium				
Strontium				
Thallium	2070	2000	103.5	80-120
Tin				
Titanium				
Vanadium				
Zinc	517	500	103.4	80-120

Associated samples MP27307: FA15250-1, FA15250-2, FA15250-4

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA15250
Account: ERMNCR - ERM
Project: ECI; 100 Rego Dr, Elon, NC

QC Batch ID: MP27307
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 05/28/14

Metal	FA15195-1 Original	SDL 1:5	%DIF	QC Limits
Aluminum				
Antimony	0.00	0.00	NC	0-10
Arsenic	anr			
Barium				
Beryllium	0.00	0.00	NC	0-10
Cadmium	anr			
Calcium				
Chromium	anr			
Cobalt				
Copper	1.20	0.00	100.0(a)	0-10
Iron	5910	5600	5.3	0-10
Lead	anr			
Magnesium				
Manganese	554	528	4.6	0-10
Molybdenum				
Nickel	5.60	5.00	10.7 (a)	0-10
Potassium				
Selenium				
Silver				
Sodium				
Strontium				
Thallium	0.00	0.00	NC	0-10
Tin				
Titanium				
Vanadium				
Zinc	16.5	16.0	3.0	0-10

Associated samples MP27307: FA15250-1, FA15250-2, FA15250-4

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

POST DIGESTATE SPIKE SUMMARY

Login Number: FA15250
Account: ERMNCR - ERM
Project: ECI; 100 Rego Dr, Elon, NC

QC Batch ID: MP27307
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 05/28/14

Metal	Sample ml	Final ml	FA15195-1 Raw	Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum										
Antimony	9.8	10			108	0.2	5	100	108.0	80-120
Arsenic										
Barium										
Beryllium	9.8	10			55.8	0.2	2.5	50	111.6	80-120
Cadmium										
Calcium										
Chromium										
Cobalt										
Copper	9.8	10	1.2	1.176	115.7	0.2	5	100	114.5	80-120
Iron	9.8	10	5910	5791.8	8987	0.2	150	3000	106.5	80-120
Lead										
Magnesium										
Manganese	9.8	10	553.6	542.528	592.8	0.2	2.5	50	100.5	80-120
Molybdenum										
Nickel	9.8	10	5.6	5.488	118.7	0.2	5	100	113.2	80-120
Potassium										
Selenium										
Silver										
Sodium										
Strontium										
Thallium	9.8	10			106.1	0.2	5	100	106.1	80-120
Tin										
Titanium										
Vanadium										
Zinc	9.8	10	16.5	16.17	295.3	0.2	12.5	250	111.7	80-120

Associated samples MP27307: FA15250-1, FA15250-2, FA15250-4

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(**) Corr. sample result = Raw * (sample volume / final volume)
(anr) Analyte not requested

Southeast ACCUTEST LABORATORIES

General Chemistry

QC Data Summaries

Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA15250
Account: ERMNCR - ERM
Project: ECI; 100 Rego Dr, Elon, NC

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Nitrogen, Nitrate	GP24058/GN61585	0.10	0.0	mg/l	2.5	2.44	97.6	90-110%
Nitrogen, Nitrite	GP24058/GN61585	0.10	0.0	mg/l	2.5	2.63	105.2	90-110%
Sulfate	GP24058/GN61585	2.0	0.0	mg/l	50	50.5	101.0	90-110%
Sulfite	GN61564	3.0	0.0	mg/l	34.5	34.0	98.6	80-120%
Total Organic Carbon	GP24081/GN61655	1.0	0.0	mg/l	15	16.1	107.3	90-110%

Associated Samples:
Batch GN61564: FA15250-1, FA15250-2
Batch GP24058: FA15250-1, FA15250-2
Batch GP24081: FA15250-1, FA15250-2, FA15250-4
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA15250
Account: ERMNCR - ERM
Project: ECI; 100 Rego Dr, Elon, NC

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Total Organic Carbon	GP24081/GN61655	FA15381-1	mg/l	1.4	1.4	0.0	0-20%

Associated Samples:
Batch GP24081: FA15250-1, FA15250-2, FA15250-4
(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA15250
Account: ERMNCR - ERM
Project: ECI; 100 Rego Dr, Elon, NC

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Nitrogen, Nitrate	GP24058/GN61585	FA15250-1	mg/l	0.25	2.5	2.6	94.0	90-110%
Nitrogen, Nitrite	GP24058/GN61585	FA15250-1	mg/l	0.050 U	2.5	2.5	100.0	90-110%
Sulfate	GP24058/GN61585	FA15250-1	mg/l	0.67 B	50	50.7	100.1	90-110%
Sulfite	GN61564	FA15149-1	mg/l	1.5 U	34.5	36.0	101.0	75-125%
Total Organic Carbon	GP24081/GN61655	FA15381-1	mg/l	1.4	15	17.6	108.0	90-110%

Associated Samples:
Batch GN61564: FA15250-1, FA15250-2
Batch GP24058: FA15250-1, FA15250-2
Batch GP24081: FA15250-1, FA15250-2, FA15250-4
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

MATRIX SPIKE DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA15250
Account: ERMNCR - ERM
Project: ECI; 100 Rego Dr, Elon, NC

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MSD Result	RPD	QC Limit
Nitrogen, Nitrate	GP24058/GN61585	FA15250-1	mg/l	0.25	2.5	2.7	3.8	20%
Nitrogen, Nitrite	GP24058/GN61585	FA15250-1	mg/l	0.050 U	2.5	2.5	0.0	20%
Sulfate	GP24058/GN61585	FA15250-1	mg/l	0.67 B	50	51.6	1.8	20%
Sulfite	GN61564	FA15149-1	mg/l	1.5 U	34.5mg/l	35.0	2.8	

Associated Samples:
Batch GN61564: FA15250-1, FA15250-2
Batch GP24058: FA15250-1, FA15250-2
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

Southeast ACCUTEST LABORATORIES

08/12/14

Technical Report for

ERM

ECI; 100 Rego Dr, Elon, NC

0235393

Accutest Job Number: FA15824

Sampling Date: 06/12/14

Report to:

ERM

Robert.Laumann@erm.com

ATTN: Robert Laumann

Total number of pages in report: **31**

NELAP ACCREDITED TNI LABORATORY

Norm Farmer
Technical Director

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

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Accutest LabLink@153230 14:28 12-Aug-2014

Sample Summary

ERM

Job No: FA15824

ECI; 100 Rego Dr, Elon, NC
Project No: 0235393

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
FA15824-1	06/12/14	14:15	TN	06/14/14	AQ	Ground Water	DW-2
FA15824-2	06/12/14	16:00	TN	06/14/14	AQ	Ground Water	DW-3
FA15824-3	06/12/14	18:45	TN	06/14/14	AQ	Ground Water	DW-4
FA15824-4	06/12/14	00:00	TN	06/14/14	AQ	Trip Blank Water	TRIP BLANK

Summary of Hits

Job Number: FA15824
Account: ERM
Project: ECI; 100 Rego Dr, Elon, NC
Collected: 06/12/14

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FA15824-1	**DW-2**					
Ethylbenzene		1.1	1.0	0.28	ug/l	SW846 8260B
Methyl ethyl ketone		4.2 J	5.0	1.5	ug/l	SW846 8260B
Tetrachloroethylene		0.53 J	1.0	0.26	ug/l	SW846 8260B
Toluene		0.24 J	1.0	0.20	ug/l	SW846 8260B
Trichloroethylene		50.9	1.0	0.30	ug/l	SW846 8260B
m,p-Xylene		3.0	2.0	0.48	ug/l	SW846 8260B
o-Xylene		1.7	1.0	0.20	ug/l	SW846 8260B
Total TIC, Volatile		88 J			ug/l	
FA15824-2	**DW-3**					
No hits reported in this sample.						
FA15824-3	**DW-4**					
Carbon disulfide		0.81 J	2.0	0.20	ug/l	SW846 8260B
Ethylbenzene		0.54 J	1.0	0.28	ug/l	SW846 8260B
Trichloroethylene		9.8	1.0	0.30	ug/l	SW846 8260B
m,p-Xylene		1.2 J	2.0	0.48	ug/l	SW846 8260B
o-Xylene		0.88 J	1.0	0.20	ug/l	SW846 8260B
FA15824-4	**TRIP BLANK**					
No hits reported in this sample.						

Southeast ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	DW-2		
Lab Sample ID:	FA15824-1	**Date Sampled:**	06/12/14
Matrix:	AQ - Ground Water	**Date Received:**	06/14/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I21774.D	1	06/20/14	DP	n/a	n/a	VI430
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	25	11	ug/l	
107-02-8	Acrolein	ND	20	6.4	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.24	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.31	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.38	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.26	ug/l	
75-25-2	Bromoform	ND	1.0	0.38	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.30	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.27	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.31	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.23	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.29	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.40	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.25	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.78	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.24	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.24	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.36	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.34	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.33	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.36	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.33	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DW-2		
Lab Sample ID:	FA15824-1	**Date Sampled:**	06/12/14
Matrix:	AQ - Ground Water	**Date Received:**	06/14/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.29	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.34	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	1.1	1.0	0.28	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.24	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.53	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.29	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	4.2	5.0	1.5	ug/l	J
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.24	ug/l	
100-42-5	Styrene	ND	1.0	0.23	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.34	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.27	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.32	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.57	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.24	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	0.53	1.0	0.26	ug/l	J
108-88-3	Toluene	0.24	1.0	0.20	ug/l	J
79-01-6	Trichloroethylene	50.9	1.0	0.30	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.33	ug/l	
108-05-4	Vinyl Acetate [a]	ND	10	2.0	ug/l	
	m,p-Xylene	3.0	2.0	0.48	ug/l	
95-47-6	o-Xylene	1.7	1.0	0.20	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DW-2		
Lab Sample ID:	FA15824-1	**Date Sampled:**	06/12/14
Matrix:	AQ - Ground Water	**Date Received:**	06/14/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		83-118%
17060-07-0	1,2-Dichloroethane-D4	107%		79-125%
2037-26-5	Toluene-D8	101%		85-112%
460-00-4	4-Bromofluorobenzene	101%		83-118%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
625-55-8	Formic acid, 1-methylethyl ester	4.77	88	ug/l	JN
	Total TIC, Volatile		88	ug/l	J

(a) Associated BS recovery outside control limits.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DW-3		
Lab Sample ID:	FA15824-2	**Date Sampled:**	06/12/14
Matrix:	AQ - Ground Water	**Date Received:**	06/14/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I21775.D	1	06/20/14	DP	n/a	n/a	VI430
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	25	11	ug/l	
107-02-8	Acrolein	ND	20	6.4	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.24	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.31	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.38	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.26	ug/l	
75-25-2	Bromoform	ND	1.0	0.38	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.30	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.27	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.31	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.23	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.29	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.40	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.25	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.78	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.24	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.24	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.36	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.34	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.33	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.36	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.33	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DW-3		
Lab Sample ID:	FA15824-2	**Date Sampled:**	06/12/14
Matrix:	AQ - Ground Water	**Date Received:**	06/14/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.29	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.34	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.28	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.24	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.53	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.29	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	1.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.24	ug/l	
100-42-5	Styrene	ND	1.0	0.23	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.34	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.27	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.32	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.57	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.24	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.26	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.30	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.33	ug/l	
108-05-4	Vinyl Acetate [a]	ND	10	2.0	ug/l	
	m,p-Xylene	ND	2.0	0.48	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DW-3		
Lab Sample ID:	FA15824-2	**Date Sampled:**	06/12/14
Matrix:	AQ - Ground Water	**Date Received:**	06/14/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		83-118%
17060-07-0	1,2-Dichloroethane-D4	105%		79-125%
2037-26-5	Toluene-D8	102%		85-112%
460-00-4	4-Bromofluorobenzene	102%		83-118%

CAS No.	Tentatively Identified Compounds [b]	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

(a) Associated BS recovery outside control limits.
(b) No TICs detected.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DW-4		
Lab Sample ID:	FA15824-3	**Date Sampled:**	06/12/14
Matrix:	AQ - Ground Water	**Date Received:**	06/14/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I21776.D	1	06/20/14	DP	n/a	n/a	VI430
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	25	11	ug/l	
107-02-8	Acrolein	ND	20	6.4	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.24	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.31	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.38	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.26	ug/l	
75-25-2	Bromoform	ND	1.0	0.38	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.30	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.27	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.31	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.23	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.29	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	0.81	2.0	0.20	ug/l	J
56-23-5	Carbon tetrachloride	ND	1.0	0.40	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.25	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.78	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.24	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.24	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.36	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.34	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.33	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.36	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.33	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DW-4		
Lab Sample ID:	FA15824-3	**Date Sampled:**	06/12/14
Matrix:	AQ - Ground Water	**Date Received:**	06/14/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.29	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.34	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	0.54	1.0	0.28	ug/l	J
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.24	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.53	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.29	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	1.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.24	ug/l	
100-42-5	Styrene	ND	1.0	0.23	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.34	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.27	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.32	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.57	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.24	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.26	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	9.8	1.0	0.30	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.33	ug/l	
108-05-4	Vinyl Acetate [a]	ND	10	2.0	ug/l	
	m,p-Xylene	1.2	2.0	0.48	ug/l	J
95-47-6	o-Xylene	0.88	1.0	0.20	ug/l	J

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DW-4		
Lab Sample ID:	FA15824-3	**Date Sampled:**	06/12/14
Matrix:	AQ - Ground Water	**Date Received:**	06/14/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		83-118%
17060-07-0	1,2-Dichloroethane-D4	104%		79-125%
2037-26-5	Toluene-D8	97%		85-112%
460-00-4	4-Bromofluorobenzene	100%		83-118%

CAS No.	Tentatively Identified Compounds [b]	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

(a) Associated BS recovery outside control limits.
(b) No TICs detected.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	FA15824-4	**Date Sampled:**	06/12/14
Matrix:	AQ - Trip Blank Water	**Date Received:**	06/14/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I21764.D	1	06/20/14	DP	n/a	n/a	VI430
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	25	11	ug/l	
107-02-8	Acrolein	ND	20	6.4	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.24	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.31	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.38	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.26	ug/l	
75-25-2	Bromoform	ND	1.0	0.38	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.30	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.27	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.31	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.23	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.29	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.40	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.25	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.78	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.24	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.24	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.36	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.34	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.33	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.36	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.33	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	FA15824-4	**Date Sampled:**	06/12/14
Matrix:	AQ - Trip Blank Water	**Date Received:**	06/14/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.29	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.34	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.28	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.24	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.53	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.29	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	1.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.24	ug/l	
100-42-5	Styrene	ND	1.0	0.23	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.34	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.27	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.32	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.57	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.24	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.26	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.30	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.33	ug/l	
108-05-4	Vinyl Acetate [a]	ND	10	2.0	ug/l	
	m,p-Xylene	ND	2.0	0.48	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	FA15824-4	**Date Sampled:**	06/12/14
Matrix:	AQ - Trip Blank Water	**Date Received:**	06/14/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI; 100 Rego Dr, Elon, NC		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		83-118%
17060-07-0	1,2-Dichloroethane-D4	100%		79-125%
2037-26-5	Toluene-D8	101%		85-112%
460-00-4	4-Bromofluorobenzene	100%		83-118%

CAS No.	Tentatively Identified Compounds [b]	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

(a) Associated BS recovery outside control limits.
(b) No TICs detected.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Southeast ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

Accutest Laboratories Southeast
Chain of Custody

ACCUTEST LABORATORIES

4405 Vineland Road, Suite C-15 Orlando, Fl 32811
TEL. 407-425-6700 • FAX: 407-425-0707
www.accutest.com

Accutest JOB # FA15824 PAGE 1 OF 1

Accutest Quote # | SKIFF#

Client / Reporting Information

Company Name: ERM
Address: 1130 SITUS COURT STE 250
City: RALEIGH State: NC Zip: 27606
Project Contact: LANE DORMAN E-mail: LANE.DORMAN@ERM.COM
Phone#: 919-233-4501
Sampler(s) Name(s) (Printed): TOM NAUMANN

Project Information

Project Name: ELI
Street: 100 REGO DRIVE
City: ELON State: NC
Project #: 0235393
Fax #:
Client Purchase Order #:

Analytical Information

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe

Accutest Sample #	Field ID / Point of Collection	Collection DATE	Collection TIME	SAMPLED BY	MATRIX	TOTAL # OF BOTTLES	OTHER	NONE	HCl	HNO3	H2SO4	NaOH+ZnAc	DI WATER	MEOH	VOC'S	LAB USE ONLY
1	DW-2	6/12/14	1415	TEN	GW	3			X						3	
2	DW-3	6/12/14	1600	TEN	GW	3			X						3	
3	DW-4	6/12/14	1045	TEN	GW	3			X						3	
4	TRIP BLANK					2			X						2	

TURNAROUND TIME (Business Days) — Approved By: / Rush Code

- ☐ 10 Days Standard
- ☐ 7 Day RUSH
- ☐ 5 Day RUSH
- ☐ 3 Day EMERGENCY
- ☐ 2 Day EMERGENCY
- ☐ 1 Day EMERGENCY
- ☐ OTHER

Emergency or Rush T/A Data Available VIA Email or Lablink

Data Deliverable Information

- ☐ COMMERCIAL "A" (RESULTS ONLY)
- ☐ COMMERCIAL "B" (RESULTS PLUS QC)
- ☐ REDT1 (EPA LEVEL 3)
- ☐ FULT1 (EPA LEVEL 4)
- ☐ EDD'S

RALEIGH, NC

SVC CENTER

Comments / Remarks

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
1 Tom Naumann	6/13/14 1305	2 [signature]	3 [signature]	6/13/14 1730	4 FX
Relinquished by:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
5 FX	6-14-14	6 J. Cooper (ATL)	7		8

Lab Use Only: Custody Seal in Place: Y N Temp Blank Provided: Y N Preserved where Applicable: Y N Total # of Coolers: / Cooler Temperature (s) Celsius: 2.6

FA15824: Chain of Custody
Page 1 of 3

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: FA 15824 CLIENT: ERM PROJECT: EC1

DATE/TIME RECEIVED: 6-14-14 10:00 (MM/DD/YY 24:00) NUMBER OF COOLERS RECEIVED: 1

METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 7703 0154 9689

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET

TRIP BLANK INFORMATION

- [X] TRIP BLANK PROVIDED
- [ ] TRIP BLANK NOT PROVIDED
- [ ] TRIP BLANK NOT ON COC
- [X] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [X] RECEIVED WATER TRIP BLANK 2
- [ ] RECEIVED SOIL TRIP BLANK

MISC. INFORMATION

NUMBER OF ENCORES ? 25-GRAM_____ 5-GRAM_____

NUMBER OF 5035 FIELD KITS ? _____

NUMBER OF LAB FILTERED METALS ? _____

TEMPERATURE INFORMATION

- [ ] IR THERM ID 1 CORR. FACTOR +0.4
- [ ] OBSERVED TEMPS: 2.2
- [ ] CORRECTED TEMPS: 2.6

SAMPLE INFORMATION

- [ ] INCORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] DATES/TIMES ON COC DO NOT MATCH SAMPLE LABEL
- [ ] ID'S ON COC DO NOT MATCH LABEL
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING OR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] 5035 FIELD KITS NOT RECEIVED WITHIN 48 HOURS
- [ ] BULK VOA SOIL JARS NOT RECEIVED WITHIN 48 HOURS
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] RESIDUAL CHLORINE PRESENT

(APPICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)

SUMMARY OF COMMENTS:

TECHNICIAN SIGNATURE/DATE: 6-14-14 REVIEWER SIGNATURE/DATE:

RS 04/14 receipt confirmation 041514.xls

4.1

4

FA15824: Chain of Custody

Page 2 of 3

From: (919) 208-7171
Brent Rader
Accutest Labs Southeast
6308 - C Angus Drive

Raleigh, NC 27617

Origin ID: RZZA

FedEx. Express

J14101402670326

Ship Date: 13JUN14
Act Wgt: 15.0 LB
CAD: 9855222/INET3490

Delivery Address Bar Code

SHIP TO: (407) 425-6700
BILL SENDER

Sample Receiving
Accutest SE
4405 VINELAND RD.
STE. C15
ORLANDO, FL 32811

Ref #
Invoice #
PO #
Dept #

3 of 3

SATURDAY 12:00P
PRIORITY OVERNIGHT

MPS# 7703 0155 0086
0263

Mstr# 7703 0154 9689

0201

X0 TIXA

32811
FL-US
MCO

5220598904/F220

After printing this label:
1. Use the 'Print' button on this page to print your label to your laser or inkjet printer.
2. Fold the printed page along the horizontal line.
3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

Warning: Use only the printed original label for shipping. Using a photocopy of this label for shipping purposes is fraudulent and could result in additional billing charges, along with the cancellation of your FedEx account number.
Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com.FedEx will not be responsible for any claim in excess of $100 per package, whether the result of loss, damage, delay, non-delivery,misdelivery,or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim.Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental,consequential, or special is limited to the greater of $100 or the authorized declared value. Recovery cannot exceed actual documented loss.Maximum for items of extraordinary value is $1,000, e.g. jewelry, precious metals, negotiable instruments and other items listed in our ServiceGuide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

Southeast ACCUTEST LABORATORIES

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: FA15824
Account: ERMNCR ERM
Project: ECI; 100 Rego Dr, Elon, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VI430-MB	I21762.D	1	06/20/14	DP	n/a	n/a	VI430

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA15824-1, FA15824-2, FA15824-3, FA15824-4

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	11	ug/l	
107-02-8	Acrolein	ND	20	6.4	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.24	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.31	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.38	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.26	ug/l	
75-25-2	Bromoform	ND	1.0	0.38	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.30	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.27	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.31	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.23	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.29	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.40	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.25	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.28	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.78	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.24	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.24	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.36	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.34	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.33	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.36	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.33	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.29	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.34	ug/l	

Method Blank Summary

Job Number: FA15824
Account: ERMNCR ERM
Project: ECI; 100 Rego Dr, Elon, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VI430-MB	I21762.D	1	06/20/14	DP	n/a	n/a	VI430

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA15824-1, FA15824-2, FA15824-3, FA15824-4

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.28	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.24	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.53	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.29	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	1.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.24	ug/l	
100-42-5	Styrene	ND	1.0	0.23	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.34	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.27	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.32	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.57	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.24	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.26	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.30	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.33	ug/l	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
	m,p-Xylene	ND	2.0	0.48	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

Method Blank Summary

Job Number: FA15824
Account: ERMNCR ERM
Project: ECI; 100 Rego Dr, Elon, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VI430-MB	I21762.D	1	06/20/14	DP	n/a	n/a	VI430

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA15824-1, FA15824-2, FA15824-3, FA15824-4

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	100%	83-118%
17060-07-0	1,2-Dichloroethane-D4	101%	79-125%
2037-26-5	Toluene-D8	100%	85-112%
460-00-4	4-Bromofluorobenzene	100%	83-118%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

Blank Spike Summary

Job Number: FA15824
Account: ERMNCR ERM
Project: ECI; 100 Rego Dr, Elon, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VI430-BS	I21760.D	1	06/20/14	DP	n/a	n/a	VI430

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA15824-1, FA15824-2, FA15824-3, FA15824-4

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	194	155*	50-147
107-02-8	Acrolein	125	158	126	31-154
107-13-1	Acrylonitrile	125	121	97	58-126
71-43-2	Benzene	25	26.6	106	81-122
108-86-1	Bromobenzene	25	25.0	100	80-121
74-97-5	Bromochloromethane	25	25.8	103	76-123
75-27-4	Bromodichloromethane	25	25.6	102	79-123
75-25-2	Bromoform	25	24.5	98	66-123
104-51-8	n-Butylbenzene	25	26.4	106	79-126
135-98-8	sec-Butylbenzene	25	29.5	118	83-133
98-06-6	tert-Butylbenzene	25	28.0	112	80-133
108-90-7	Chlorobenzene	25	27.5	110	82-124
75-00-3	Chloroethane	25	29.3	117	62-144
67-66-3	Chloroform	25	25.7	103	80-124
95-49-8	o-Chlorotoluene	25	27.4	110	81-127
106-43-4	p-Chlorotoluene	25	28.6	114	83-130
110-75-8	2-Chloroethyl vinyl ether	125	115	92	56-122
75-15-0	Carbon disulfide	25	28.1	112	66-148
56-23-5	Carbon tetrachloride	25	27.0	108	76-136
75-34-3	1,1-Dichloroethane	25	26.9	108	81-122
75-35-4	1,1-Dichloroethylene	25	29.2	117	78-137
563-58-6	1,1-Dichloropropene	25	29.0	116	79-131
96-12-8	1,2-Dibromo-3-chloropropane	25	23.8	95	64-123
106-93-4	1,2-Dibromoethane	25	24.9	100	75-120
107-06-2	1,2-Dichloroethane	25	24.9	100	75-125
78-87-5	1,2-Dichloropropane	25	25.8	103	76-124
142-28-9	1,3-Dichloropropane	25	24.7	99	80-118
594-20-7	2,2-Dichloropropane	25	28.4	114	74-139
124-48-1	Dibromochloromethane	25	24.8	99	78-122
75-71-8	Dichlorodifluoromethane	25	23.4	94	42-167
156-59-2	cis-1,2-Dichloroethylene	25	26.3	105	78-120
10061-01-5	cis-1,3-Dichloropropene	25	25.4	102	75-118
541-73-1	m-Dichlorobenzene	25	28.4	114	84-125
95-50-1	o-Dichlorobenzene	25	27.8	111	82-124
106-46-7	p-Dichlorobenzene	25	25.1	100	78-120
156-60-5	trans-1,2-Dichloroethylene	25	27.2	109	76-127

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA15824
Account: ERMNCR ERM
Project: ECI; 100 Rego Dr, Elon, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VI430-BS	I21760.D	1	06/20/14	DP	n/a	n/a	VI430

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA15824-1, FA15824-2, FA15824-3, FA15824-4

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
10061-02-6	trans-1,3-Dichloropropene	25	27.2	109	80-120
100-41-4	Ethylbenzene	25	26.6	106	81-121
591-78-6	2-Hexanone	125	150	120	61-129
87-68-3	Hexachlorobutadiene	25	28.9	116	75-142
98-82-8	Isopropylbenzene	25	29.3	117	83-132
99-87-6	p-Isopropyltoluene	25	29.1	116	79-130
108-10-1	4-Methyl-2-pentanone	125	123	98	66-122
74-83-9	Methyl bromide	25	27.0	108	59-143
74-87-3	Methyl chloride	25	27.8	111	50-159
74-95-3	Methylene bromide	25	25.2	101	78-119
75-09-2	Methylene chloride	25	25.2	101	69-135
78-93-3	Methyl ethyl ketone	125	142	114	56-143
1634-04-4	Methyl Tert Butyl Ether	25	24.8	99	72-117
91-20-3	Naphthalene	25	25.3	101	63-132
103-65-1	n-Propylbenzene	25	29.9	120	82-133
100-42-5	Styrene	25	26.1	104	78-119
630-20-6	1,1,1,2-Tetrachloroethane	25	25.7	103	77-122
71-55-6	1,1,1-Trichloroethane	25	26.9	108	75-130
79-34-5	1,1,2,2-Tetrachloroethane	25	25.0	100	72-120
79-00-5	1,1,2-Trichloroethane	25	24.6	98	76-119
87-61-6	1,2,3-Trichlorobenzene	25	26.5	106	68-131
96-18-4	1,2,3-Trichloropropane	25	26.1	104	77-120
120-82-1	1,2,4-Trichlorobenzene	25	26.8	107	73-129
95-63-6	1,2,4-Trimethylbenzene	25	26.0	104	79-120
108-67-8	1,3,5-Trimethylbenzene	25	25.3	101	79-120
127-18-4	Tetrachloroethylene	25	27.0	108	76-135
108-88-3	Toluene	25	25.4	102	80-120
79-01-6	Trichloroethylene	25	26.9	108	81-126
75-69-4	Trichlorofluoromethane	25	27.5	110	71-156
75-01-4	Vinyl chloride	25	28.0	112	69-159
108-05-4	Vinyl Acetate	125	198	158*	43-154
	m,p-Xylene	50	55.0	110	79-126
95-47-6	o-Xylene	25	28.4	114	80-127

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA15824
Account: ERMNCR ERM
Project: ECI; 100 Rego Dr, Elon, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VI430-BS	I21760.D	1	06/20/14	DP	n/a	n/a	VI430

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA15824-1, FA15824-2, FA15824-3, FA15824-4

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	100%	83-118%
17060-07-0	1,2-Dichloroethane-D4	101%	79-125%
2037-26-5	Toluene-D8	96%	85-112%
460-00-4	4-Bromofluorobenzene	98%	83-118%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA15824
Account: ERMNCR ERM
Project: ECI; 100 Rego Dr, Elon, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA15882-1MS	I21783.D	1	06/20/14	DP	n/a	n/a	VI430
FA15882-1MSD	I21784.D	1	06/20/14	DP	n/a	n/a	VI430
FA15882-1	I21780.D	10	06/20/14	DP	n/a	n/a	VI430

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA15824-1, FA15824-2, FA15824-3, FA15824-4

CAS No.	Compound	FA15882-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	250 U		125	117	94	125	123	98	5	50-147/21
107-02-8	Acrolein	200 U		125	117	94	125	103	82	13	31-154/29
107-13-1	Acrylonitrile	100 U		125	128	102	125	131	105	2	58-126/16
71-43-2	Benzene	10 U		25	26.1	104	25	25.3	101	3	81-122/14
108-86-1	Bromobenzene	10 U		25	24.3	97	25	24.0	96	1	80-121/14
74-97-5	Bromochloromethane	10 U		25	25.3	101	25	25.1	100	1	76-123/14
75-27-4	Bromodichloromethane	10 U		25	25.6	102	25	24.1	96	6	79-123/19
75-25-2	Bromoform	10 U		25	24.5	98	25	22.3	89	9	66-123/21
104-51-8	n-Butylbenzene	10 U		25	25.6	102	25	24.8	99	3	79-126/16
135-98-8	sec-Butylbenzene	10 U		25	29.1	116	25	28.2	113	3	83-133/16
98-06-6	tert-Butylbenzene	10 U		25	28.3	113	25	26.8	107	5	80-133/16
108-90-7	Chlorobenzene	10 U		25	27.3	109	25	26.2	105	4	82-124/14
75-00-3	Chloroethane	20 U		25	31.9	128	25	32.9	132	3	62-144/20
67-66-3	Chloroform	10 U		25	25.9	104	25	25.9	104	0	80-124/15
95-49-8	o-Chlorotoluene	10 U		25	26.6	106	25	25.6	102	4	81-127/15
106-43-4	p-Chlorotoluene	10 U		25	27.2	109	25	26.3	105	3	83-130/15
110-75-8	2-Chloroethyl vinyl ether	50 U		125	ND	0*	125	ND	0*	nc	56-122/23
75-15-0	Carbon disulfide	20 U		25	27.6	110	25	24.4	98	12	66-148/23
56-23-5	Carbon tetrachloride	10 U		25	26.4	106	25	24.4	98	8	76-136/23
75-34-3	1,1-Dichloroethane	1090	L	25	1360	1080* [a]	25	1330	960* [a]	2	81-122/15
75-35-4	1,1-Dichloroethylene	87.1		25	135	192* [a]	25	128	164* [a]	5	78-137/18
563-58-6	1,1-Dichloropropene	10 U		25	28.3	113	25	27.0	108	5	79-131/16
96-12-8	1,2-Dibromo-3-chloropropane	20 U		25	26.8	107	25	27.1	108	1	64-123/18
106-93-4	1,2-Dibromoethane	10 U		25	26.0	104	25	25.4	102	2	75-120/13
107-06-2	1,2-Dichloroethane	10 U		25	25.7	103	25	25.2	101	2	75-125/14
78-87-5	1,2-Dichloropropane	10 U		25	25.0	100	25	24.7	99	1	76-124/14
142-28-9	1,3-Dichloropropane	10 U		25	25.0	100	25	24.6	98	2	80-118/13
594-20-7	2,2-Dichloropropane	10 U		25	23.7	95	25	23.2	93	2	74-139/17
124-48-1	Dibromochloromethane	10 U		25	24.6	98	25	22.5	90	9	78-122/19
75-71-8	Dichlorodifluoromethane	20 U		25	22.2	89	25	23.6	94	6	42-167/19
156-59-2	cis-1,2-Dichloroethylene	10 U		25	25.4	102	25	25.6	102	1	78-120/15
10061-01-5	cis-1,3-Dichloropropene	10 U		25	22.7	91	25	19.5	78	15	75-118/23
541-73-1	m-Dichlorobenzene	10 U		25	28.0	112	25	26.7	107	5	84-125/14
95-50-1	o-Dichlorobenzene	10 U		25	27.7	111	25	26.7	107	4	82-124/14
106-46-7	p-Dichlorobenzene	10 U		25	24.6	98	25	24.2	97	2	78-120/15
156-60-5	trans-1,2-Dichloroethylene	10 U		25	26.6	106	25	25.8	103	3	76-127/17

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA15824
Account: ERMNCR ERM
Project: ECI; 100 Rego Dr, Elon, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA15882-1MS	I21783.D	1	06/20/14	DP	n/a	n/a	VI430
FA15882-1MSD	I21784.D	1	06/20/14	DP	n/a	n/a	VI430
FA15882-1	I21780.D	10	06/20/14	DP	n/a	n/a	VI430

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA15824-1, FA15824-2, FA15824-3, FA15824-4

CAS No.	Compound	FA15882-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
10061-02-6	trans-1,3-Dichloropropene	10 U		25	25.2	101	25	21.3	85	17	80-120/22
100-41-4	Ethylbenzene	10 U		25	26.5	106	25	25.4	102	4	81-121/14
591-78-6	2-Hexanone	100 U		125	133	106	125	139	111	4	61-129/18
87-68-3	Hexachlorobutadiene	20 U		25	28.1	112	25	27.8	111	1	75-142/19
98-82-8	Isopropylbenzene	10 U		25	28.9	116	25	27.9	112	4	83-132/15
99-87-6	p-Isopropyltoluene	10 U		25	28.2	113	25	27.1	108	4	79-130/16
108-10-1	4-Methyl-2-pentanone	50 U		125	139	111	125	143	114	3	66-122/16
74-83-9	Methyl bromide	20 U		25	21.7	87	25	22.5	90	4	59-143/19
74-87-3	Methyl chloride	20 U		25	22.7	91	25	22.0	88	3	50-159/19
74-95-3	Methylene bromide	20 U		25	25.7	103	25	26.0	104	1	78-119/14
75-09-2	Methylene chloride	50 U		25	25.6	102	25	25.1	100	2	69-135/16
78-93-3	Methyl ethyl ketone	50 U		125	121	97	125	128	102	6	56-143/18
1634-04-4	Methyl Tert Butyl Ether	10 U		25	25.1	100	25	25.4	102	1	72-117/14
91-20-3	Naphthalene	50 U		25	28.2	113	25	28.8	115	2	63-132/25
103-65-1	n-Propylbenzene	10 U		25	28.6	114	25	27.3	109	5	82-133/15
100-42-5	Styrene	10 U		25	18.9	76*	25	15.6	62*	19	78-119/23
630-20-6	1,1,1,2-Tetrachloroethane	10 U		25	24.6	98	25	24.2	97	2	77-122/19
71-55-6	1,1,1-Trichloroethane	82.3		25	130	191* [a]	25	127	179* [a]	2	75-130/16
79-34-5	1,1,2,2-Tetrachloroethane	10 U		25	27.3	109	25	27.2	109	0	72-120/14
79-00-5	1,1,2-Trichloroethane	10 U		25	25.4	102	25	24.5	98	4	76-119/14
87-61-6	1,2,3-Trichlorobenzene	10 U		25	27.3	109	25	27.8	111	2	68-131/25
96-18-4	1,2,3-Trichloropropane	20 U		25	26.6	106	25	27.3	109	3	77-120/16
120-82-1	1,2,4-Trichlorobenzene	10 U		25	26.4	106	25	25.8	103	2	73-129/20
95-63-6	1,2,4-Trimethylbenzene	20 U		25	25.8	103	25	24.4	98	6	79-120/18
108-67-8	1,3,5-Trimethylbenzene	20 U		25	24.3	97	25	23.5	94	3	79-120/19
127-18-4	Tetrachloroethylene	10 U		25	26.6	106	25	25.0	100	6	76-135/16
108-88-3	Toluene	3.5	I	25	29.3	103	25	27.8	97	5	80-120/14
79-01-6	Trichloroethylene	10 U		25	26.4	106	25	25.6	102	3	81-126/15
75-69-4	Trichlorofluoromethane	20 U		25	25.4	102	25	26.4	106	4	71-156/21
75-01-4	Vinyl chloride	4.6	I	25	28.5	96	25	29.9	101	5	69-159/18
108-05-4	Vinyl Acetate	100 U		125	206	165*	125	201	161*	2	43-154/14
	m,p-Xylene	20 U		50	55.3	111	50	53.1	106	4	79-126/15
95-47-6	o-Xylene	10 U		25	27.9	112	25	26.9	108	4	80-127/14

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA15824
Account: ERMNCR ERM
Project: ECI; 100 Rego Dr, Elon, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA15882-1MS	I21783.D	1	06/20/14	DP	n/a	n/a	VI430
FA15882-1MSD	I21784.D	1	06/20/14	DP	n/a	n/a	VI430
FA15882-1	I21780.D	10	06/20/14	DP	n/a	n/a	VI430

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA15824-1, FA15824-2, FA15824-3, FA15824-4

CAS No.	Surrogate Recoveries	MS	MSD	FA15882-1	Limits
1868-53-7	Dibromofluoromethane	103%	105%	102%	83-118%
17060-07-0	1,2-Dichloroethane-D4	105%	105%	103%	79-125%
2037-26-5	Toluene-D8	96%	97%	101%	85-112%
460-00-4	4-Bromofluorobenzene	95%	95%	98%	83-118%

(a) Outside control limits due to high level in sample relative to spike amount.

* = Outside of Control Limits.