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)
1239 Rock Creek Dairy Road
Whitsett, Guilford County, North Carolina
Docket No. 14-SF-383

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 – Whitsett 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 - Whitsett

DATE & NAME OF DOCUMENT 10/14/2014 - 2nd 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. Jimmy McCandies
Name of Remediating Party

Jimmy McCandies
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 Jimmy McCandies 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 - 1
(Revised 8/11)

REC PROGRAM DOCUMENT CERTIFICATION FORM - PAGE 2 OF 2
IHSB SITE NAME Engineered Controls International - Whitsett
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)

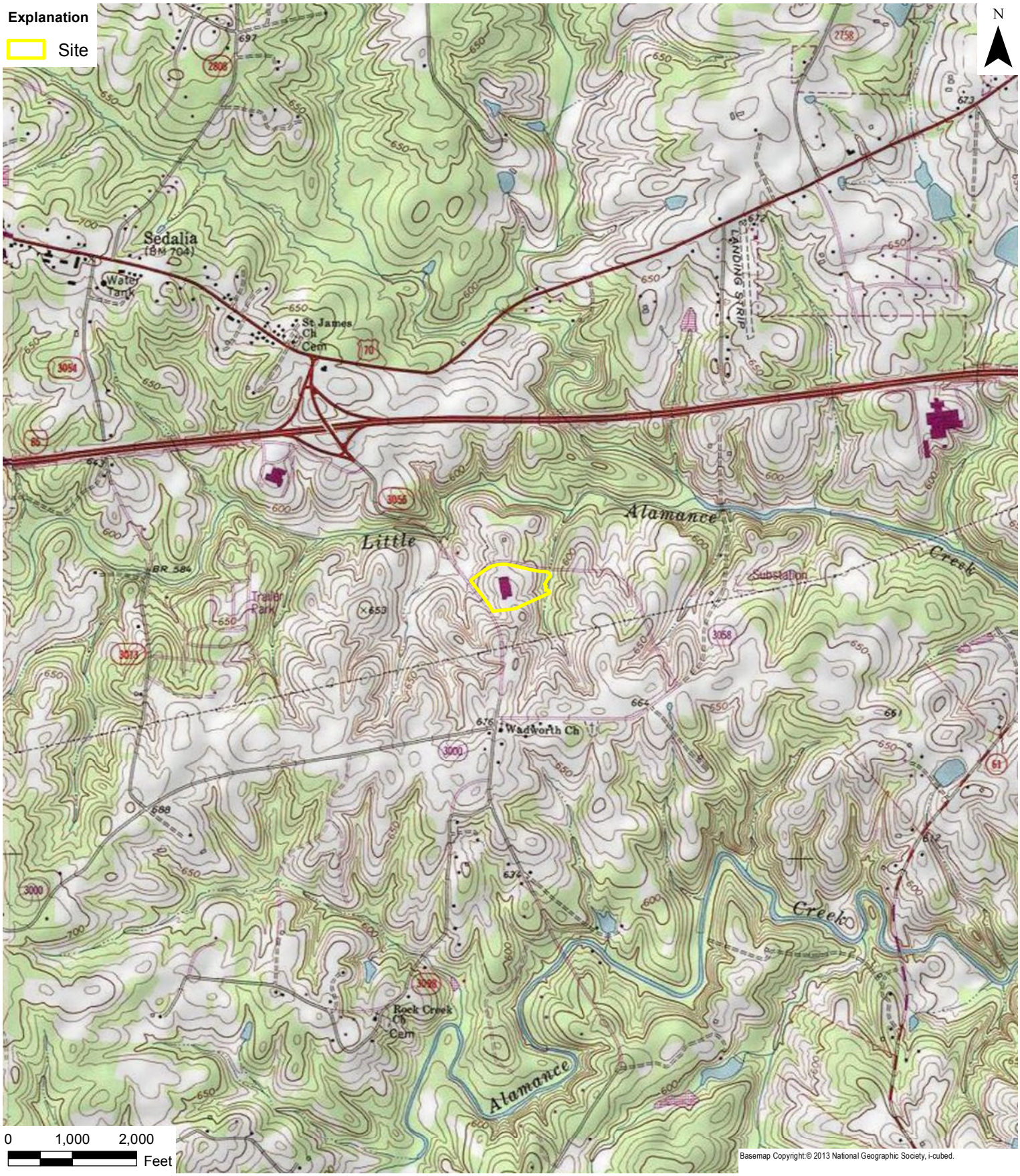
(OFFICIAL SEAL)

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

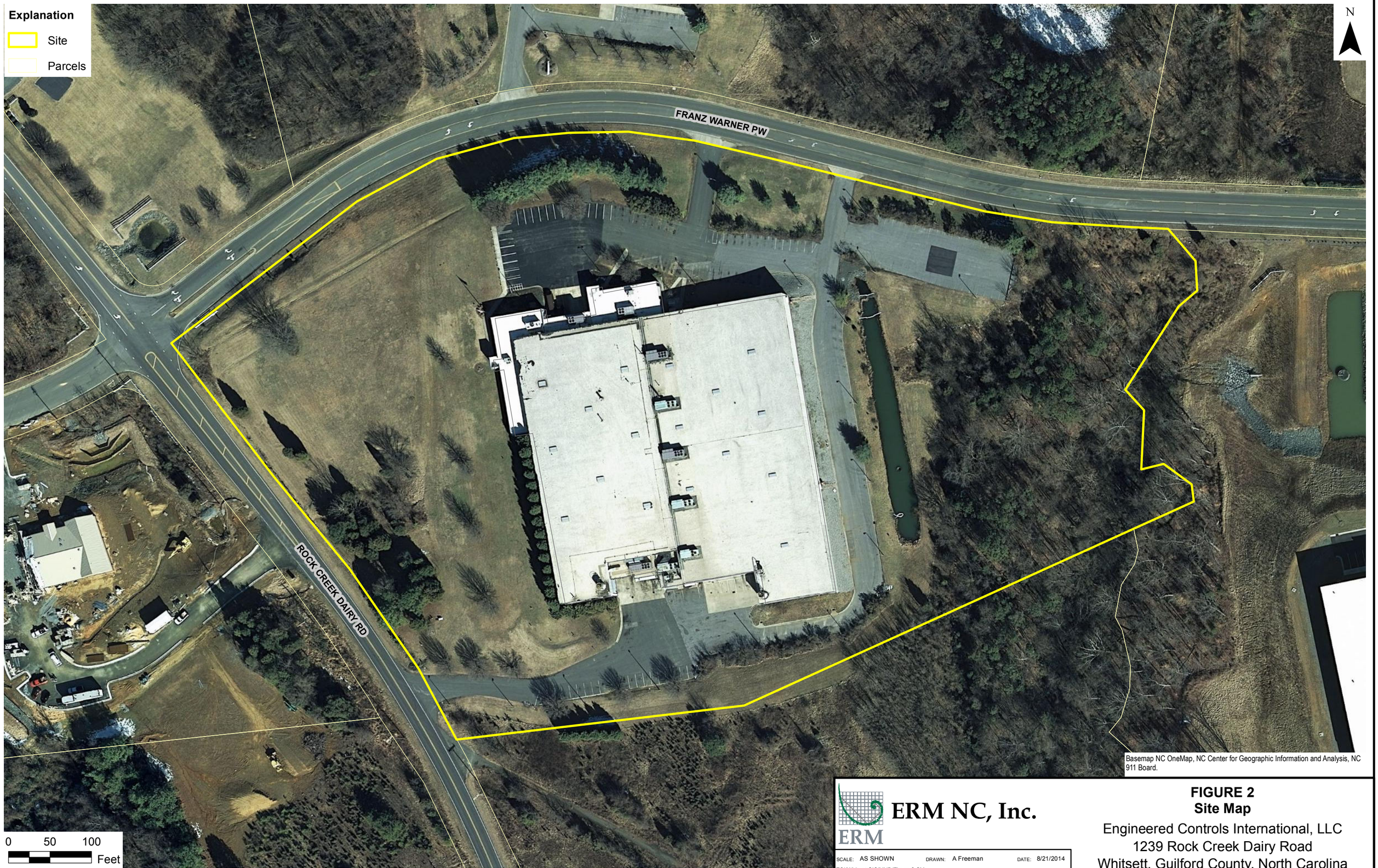


ERM NC, Inc.

DATE: 8/21/2014	SCALE: AS SHOWN	DRAWN: A Freeman
FILE: ECI/WhitsettGIS/MXD/Figure 1 SLM		

FIGURE 1
Site Location Map

Engineered Controls International, LLC
1239 Rock Creek Dairy Road
Whitsett, Guilford County, North Carolina



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

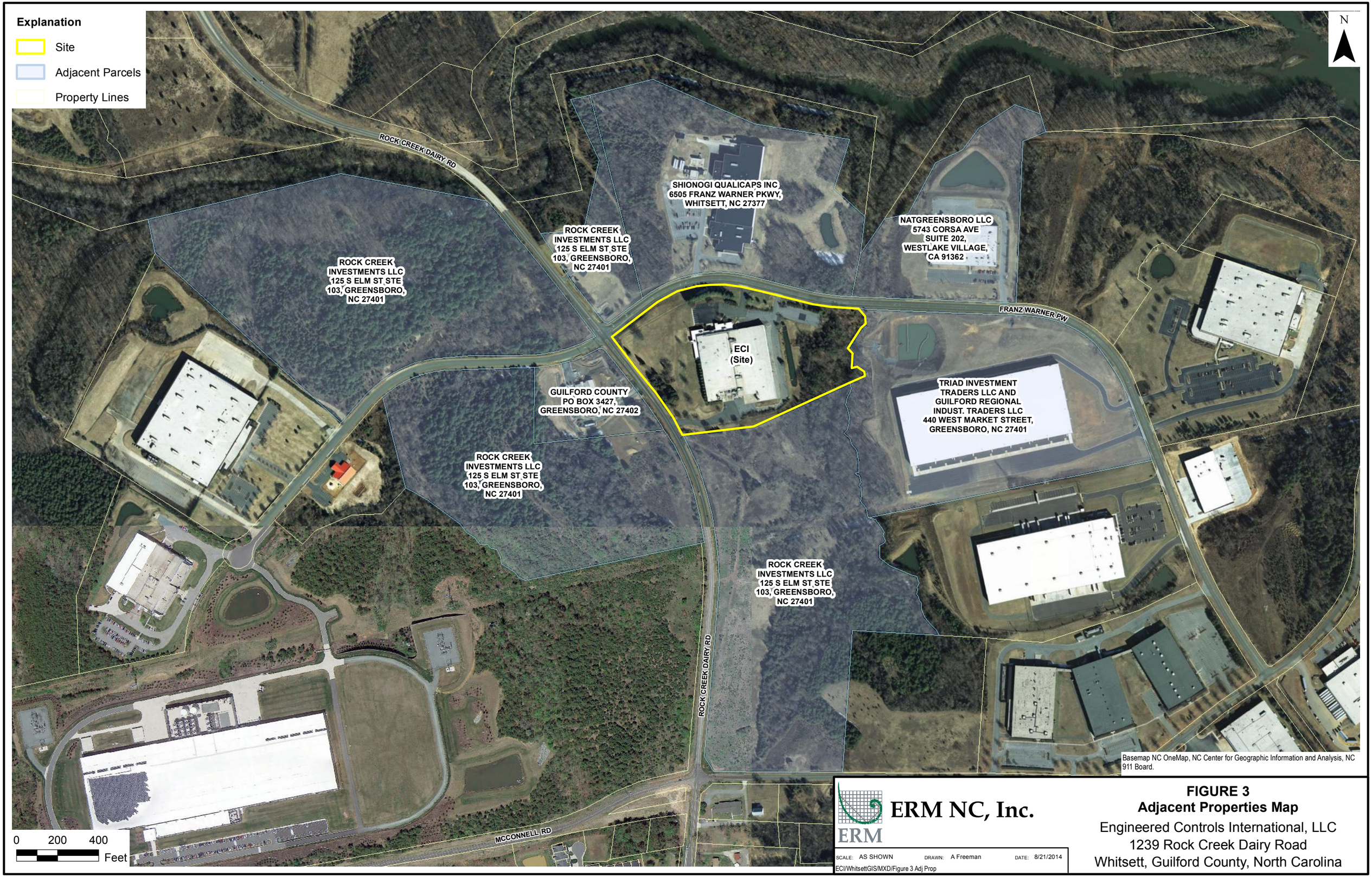
ERM NC, Inc.

SCALE: AS SHOWN DRAWN: A Freeman DATE: 8/21/2014

ECI/WhitsettGIS/MXD/Figure 2 SM

FIGURE 2
Site Map

Engineered Controls International, LLC
1239 Rock Creek Dairy Road
Whitsett, Guilford County, North Carolina



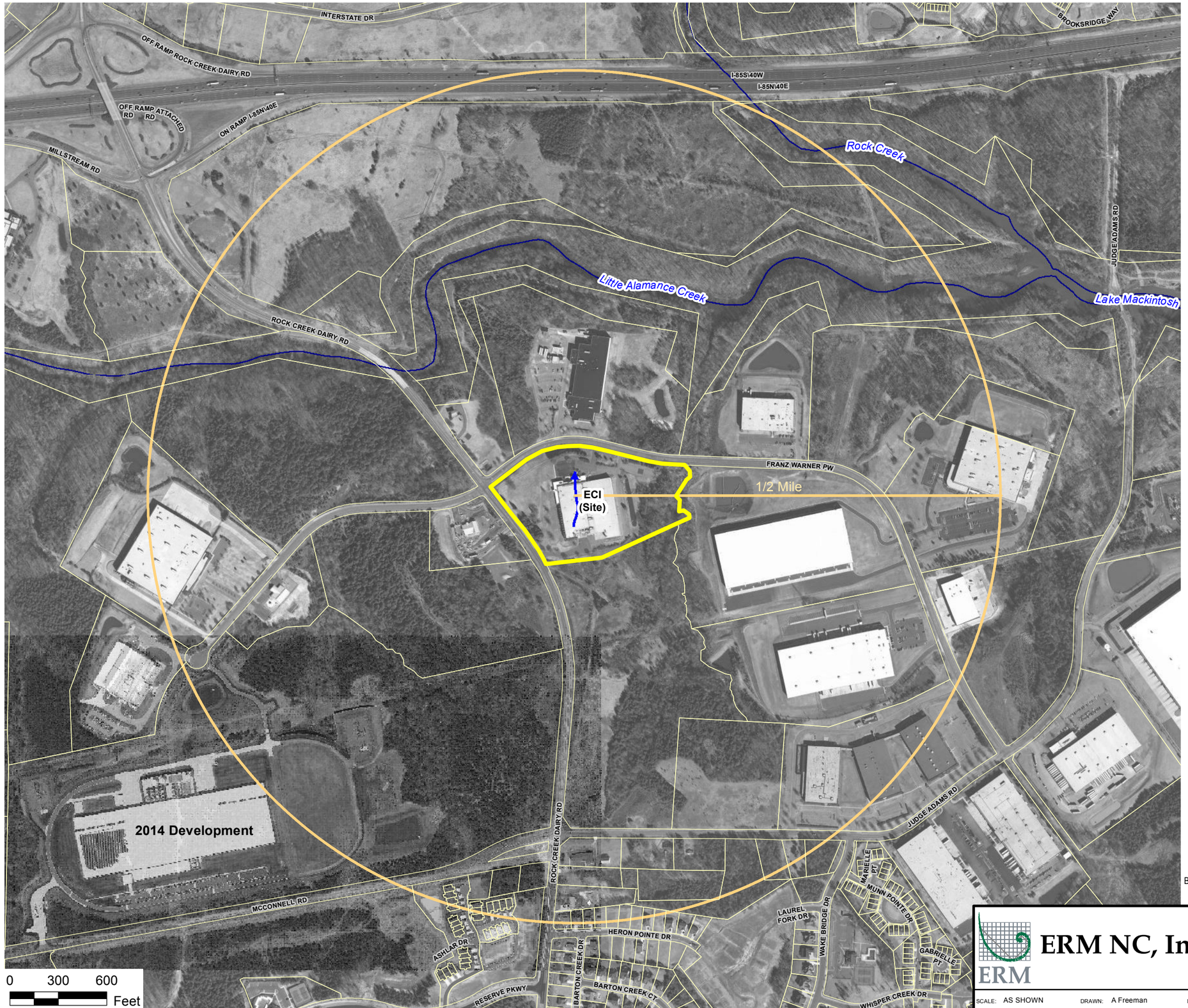
ERM NC, Inc.

SCALE: AS SHOWN DRAWN: A Freeman DATE: 8/21/2014

ECI/WhitsettGIS/MXD/Figure 3 Adj Prop

FIGURE 3
Adjacent Properties Map

Engineered Controls International, LLC
1239 Rock Creek Dairy Road
Whitsett, Guilford County, North Carolina



N

Explanation

- Site
- Parcel Lines
- 1/2 Mile Radius from Source Area
- Primary Groundwater Flow Direction
- 24k Hydrography w/ Water Quality Classifications

No water supply wells identified in survey area.

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

ERM NC, Inc.

SCALE: AS SHOWN DRAWN: A Freeman DATE: 8/21/2014

ECI/WhitsettGIS/MXD/Figure 4 SRSurvey

FIGURE 4
Sensitive Receptor Survey Results
Engineered Controls International, LLC
1239 Rock Creek Dairy Road
Whitsett, Guilford County, North Carolina

ERM NC, Inc.

SCALE: AS SHOWN DRAWN: A Freeman DATE: 8/21/2014

ECI/WhitsettGIS/MXD/Figure 5 Historical Soil& GW

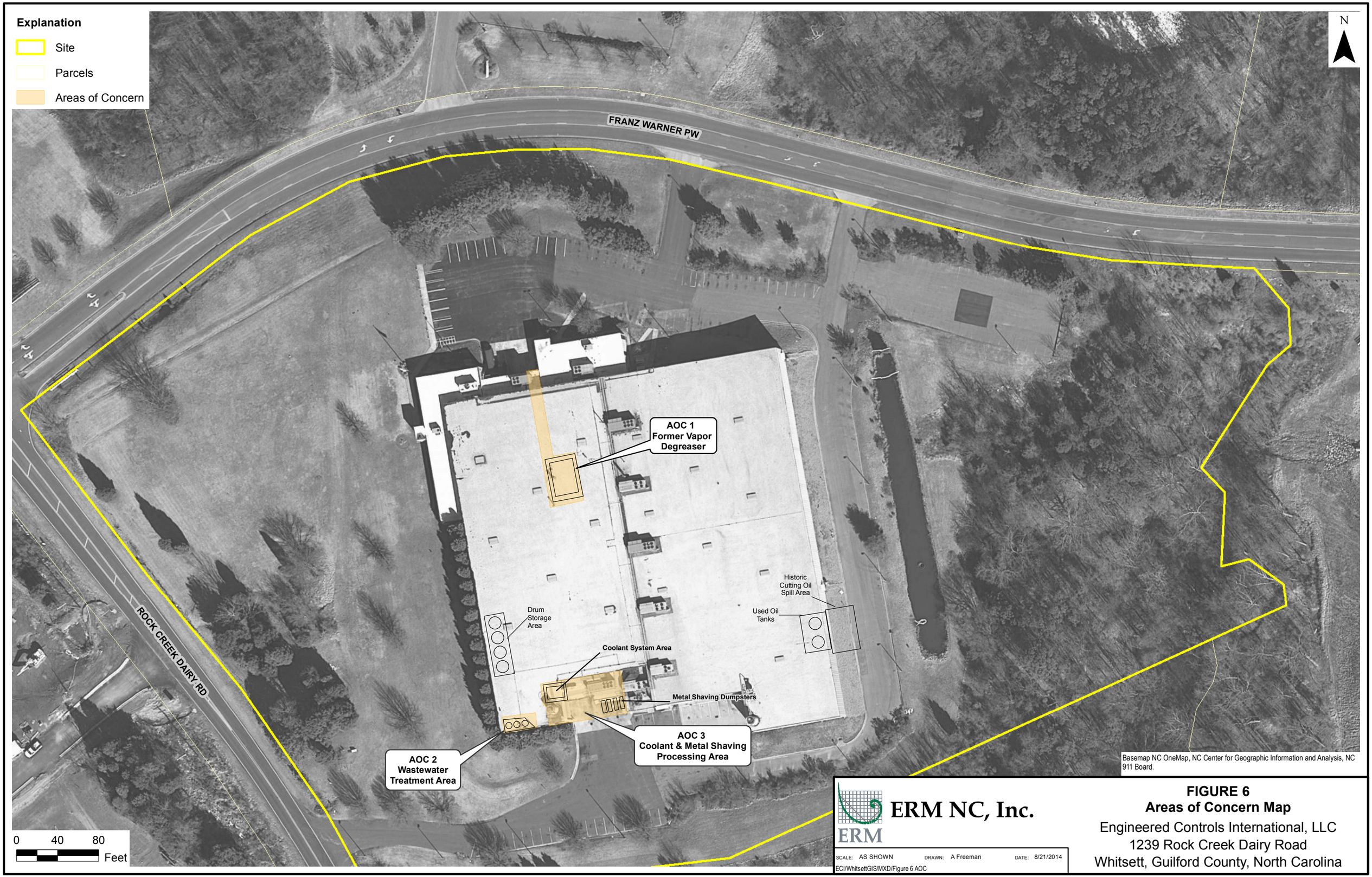
FIGURE 5

Historical Soil & Groundwater Sample Locations

Engineered Controls International, LLC

1239 Rock Creek Dairy Road

Whitsett, Guilford County, North Carolina



ERM NC, Inc.

SCALE: AS SHOWN DRAWN: A Freeman DATE: 8/21/2014

ECI/WhitsettGIS/MXD/Figure 6 AOC

FIGURE 6
Areas of Concern Map

Engineered Controls International, LLC
1239 Rock Creek Dairy Road
Whitsett, Guilford 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: 8/21/2014

ECI/WhitsettGIS/MXD/Figure 7 Soil Sample Locations

FIGURE 7
Soil Sample Locations Map

Engineered Controls International, LLC
1239 Rock Creek Dairy Road
Whitsett, Guilford County, North Carolina

ERM NC, Inc.

SCALE: AS SHOWN DRAWN: A Freeman DATE: 8/21/2014

ECI/WhitsettGIS/MXD/Figure 8 GW Sample Locations

FIGURE 8
Groundwater Sample Locations Map
Engineered Controls International, LLC
1239 Rock Creek Dairy Road
Whitsett, Guilford County, North Carolina

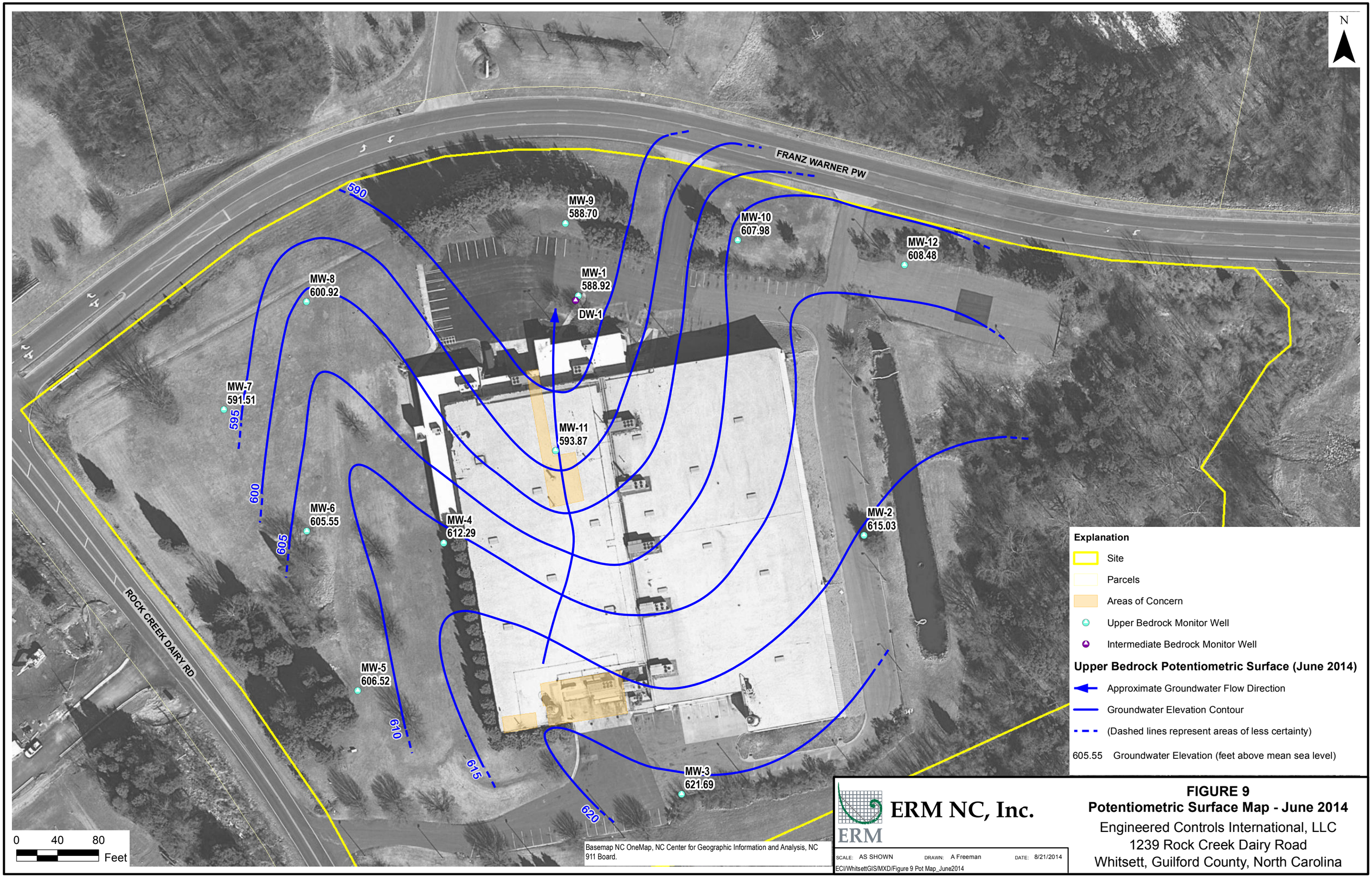
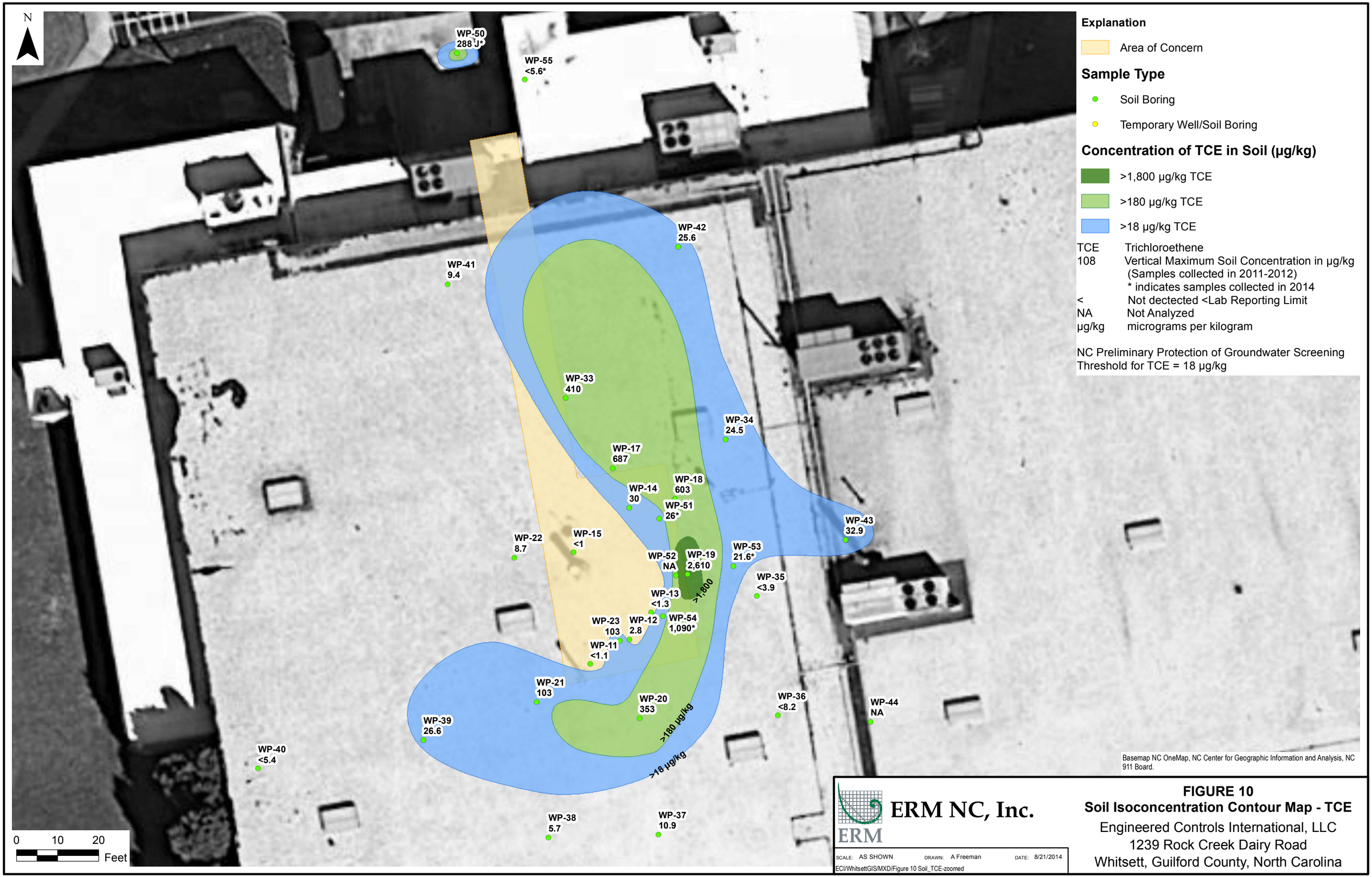


FIGURE 9
Potentiometric Surface Map - June 2014
Engineered Controls International, LLC
1239 Rock Creek Dairy Road
Whitsett, Guilford County, North Carolina

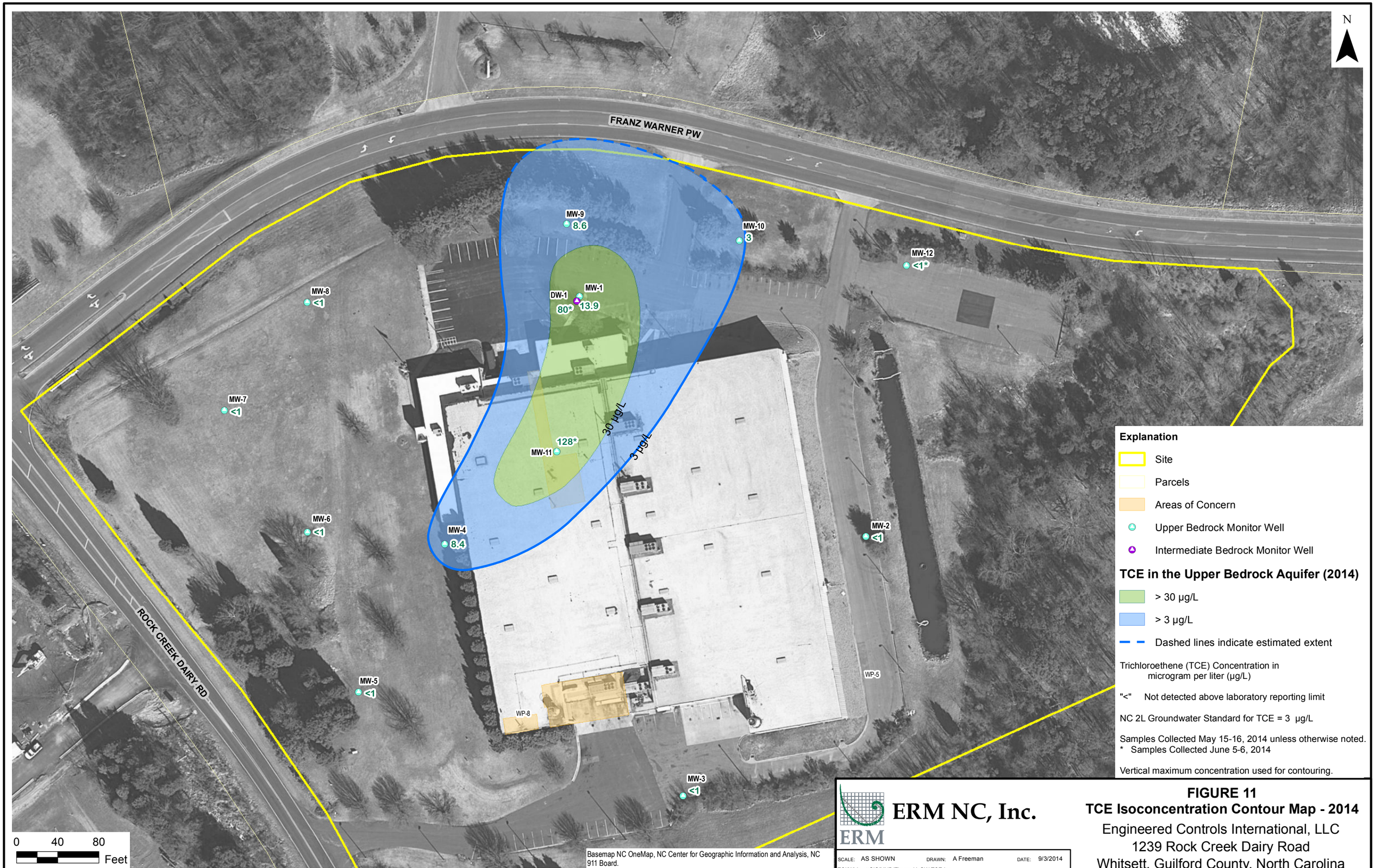


ERM NC, Inc.

SCALE: AS SHOWN DRAWN: A Freeman DATE: 8/21/2014

ECI/WhitsettGIS/MXD/Figure 10 Soil_TCE-zoomed

FIGURE 10
Soil Isoconcentration Contour Map - TCE
Engineered Controls International, LLC
1239 Rock Creek Dairy Road
Whitsett, Guilford County, North Carolina



ERM NC, Inc.

SCALE: AS SHOWN DRAWN: A Freeman DATE: 9/3/2014

ECI/WhitsettGIS/MXD/Figure 11 GW TCE Iso

FIGURE 11

TCE Isoconcentration Contour Map - 2014

Engineered Controls International, LLC
1239 Rock Creek Dairy Road
Whitsett, Guilford County, North Carolina

TABLES

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

Well ID	Installation Date	Northing	Easting	Date Abandoned	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
																June 2014	
Deep Wells																	
DW-1	06/05/14	839034.9680	1823011.0730	NA	HSA/AR	III	6" outer casing / 2" inner casing	Intermediate Bedrock	75	113	103 - 113	632.55	632.24	529.554	519.554	41.64	590.60
DW-1D	09/29/14			NA	HSA/AR	III	6" outer casing / 2" inner casing	Lower Bedrock	125	175	155 - 175					55.21	
Monitor Wells																	
MW-1	10/24/12	839039.6600	1823013.6100	NA	HSA/AR	III	4" outer casing / 2" inner casing	Upper Bedrock	25	74	27 - 73.5	632.28	631.72	605.28	558.78	42.80	588.92
MW-2	10/24/12	838806.0700	1823291.8600	NA	HSA/AR	III	4" outer casing / 2" inner casing	Upper Bedrock	25	39	29 - 38.5	628.30	627.91	599.3	589.8	12.88	615.03
MW-3	10/24/12	838554.1500	1823114.3100	NA	HSA/AR	III	4" outer casing / 2" inner casing	Upper Bedrock	25	50	40 - 49.5	633.28	632.97	593.28	583.78	11.28	621.69
MW-4	10/24/12	838798.6900	1822882.6500	NA	HSA/AR	III	4" outer casing / 2" inner casing	Upper Bedrock	30	60	40 - 59.5	635.38	635.03	595.38	575.88	22.74	612.29
MW-5	08/16/13	838654.9200	1822798.9900	NA	HSA/AR	III	4" outer casing / 2" inner casing	Upper Bedrock	20	40	20 - 39.5	624.78	624.59	604.78	585.28	18.07	606.52
MW-6	08/16/13	838810.5200	1822749.5000	NA	HSA/AR	III	4" outer casing / 2" inner casing	Upper Bedrock	22	55	30 - 54.5	621.90	621.49	591.9	567.4	15.94	605.55
MW-7	08/16/13	838928.6100	1822668.6900	NA	HSA/AR	III	4" outer casing / 2" inner casing	Upper Bedrock	24	60	30 - 59.5	616.60	616.33	586.6	557.1	24.82	591.51
MW-8	08/16/13	839033.8400	1822748.8700	NA	HSA/AR	III	4" outer casing / 2" inner casing	Upper Bedrock	15	40	20 - 39.5	632.01	622.71	612.01	592.51	21.79	600.92
MW-9	08/16/13	839109.9700	1823001.0000	NA	HSA/AR	III	4" outer casing / 2" inner casing	Upper Bedrock	30	60	40 - 59.5	629.75	629.39	589.75	570.25	40.69	588.70
MW-10	08/16/13	839093.5700	1823168.9500	NA	HSA/AR	III	4" outer casing / 2" inner casing	Upper Bedrock	33	45	33 - 44.5	628.42	628.19	595.42	583.92	20.21	607.98
MW-11	05/29/14	838888.8190	1822991.6100	NA	HSA/Core	III	4" outer casing / 2" inner casing	Upper Bedrock	30	68.5	45 - 60	635.92	635.69	590.916	575.916	41.82	593.87
MW-12	06/04/14	839068.7490	1823329.7560	NA	HAS/AR	III	6" outer casing / 2" inner casing	Upper Bedrock	30	46	36 - 46	621.63	621.35	585.627	575.627	12.87	608.48
MW-13	09/26/14			NA	HAS/AR	III	6" outer casing / 2" inner casing	Upper Bedrock	31	90	80 - 90					16.55	

Notes:

1. All measurements in feet
2. Groundwater depth measured from top of casing
3. Elevations are measured relative to assumed site benchmark
4. All wells constructed of 2-inch PVC
5. Ft bls = Feet below measuring point (top of PVC casing)
6. HSA = Hollow stem auger drilling method
7. AR = Air Hammer

TABLE 2. HYDRAULIC GRADIENT SUMMARY - ECI WHITSETT FACILITY - WHITSETT, NORTH CAROLINA

Vertical Hydraulic Gradients

Well Designation	June 2014							
	Land Surface Elevation (ft ASL)	Depth to Water (ft)	Head Measurement Location Elevation* (relative ft ASL)	Head Elevation (ft)	Head Change (ft)	Mid-Point Length Change (ft)	Hydraulic Gradient (ft/ft)	Up/ Down
MW-1	632.28	42.80	573.85	589.48	-1.43	49.30	-0.0291	Up
DW-1	632.55	41.64	524.55	590.91				

Notes:

(-) vertical gradient represents upward groundwater flow

(+) vertical gradient represents downward groundwater flow

* The head measurement location is the mid-point between the top and bottom of the well screen in cases of a submerged screen and the mid-point between the water table elevation and the bottom of the well screen in cases where the water table intersects the well screen.

Horizontal Hydraulic Gradient - Upper-Bedrock Aquifer

Well Designation	June 2014					
	Reference Elevation (ft ASL)	Depth to Water (ft)	Head Elevation (ft)	Head Change (ft)	Distance Change (ft)	Hydraulic Gradient (ft/ft)
MW-3	632.97	11.28	621.69	27.82	357.20	0.0779
MW-11	635.69	41.82	593.87			
MW-11	635.69	41.82	593.87	4.95	153.67	0.0322
MW-1	631.72	42.80	588.92			
MW-1	631.72	42.80	588.92	0.22	72.52	0.0030
MW-9	629.39	40.69	588.70			
					Average Hydraulic Gradient	**0.0377**

Seepage Velocity Calculation

Slug Test and Aquifer Test Analysis Summary			
Monitoring Well	Aquifer	Hydraulic Conductivity (cm/sec)	(ft/day)
MW-4	Upper Bedrock	1.353E-05	0.038
MW-4	Upper Bedrock	2.088E-05	0.059
MW-9	Upper Bedrock	7.562E-06	0.021
MW-9	Upper Bedrock	4.876E-06	0.014
MW-10	Upper Bedrock	2.256E-04	0.639
MW-10	Upper Bedrock	1.381E-04	0.391
MW-10	Upper Bedrock	1.687E-04	0.478
MW-11	Upper Bedrock	1.210E-04	0.343
MW-11	Upper Bedrock	1.251E-04	0.355
MW-11	Upper Bedrock	1.155E-04	0.327
MW-11	Upper Bedrock	1.208E-04	0.342
	Geometric Mean for Upper Bedrock:	**5.408E-05**	**0.153**

Saprolite aquifer seepage velocity = Ki/n $_e$

where:

K is hydraulic conductivity (geometric mean for the primary flowpath)

i = horizontal hydraulic gradient (average of values presented above)

n_e = effective porosity (range estimated 0.10 to 0.25 for the primary flowpath)

Seepage Velocity Range (Upper Bedrock Aquifer) =

= (0.15) (0.0377) / (0.25) =		2.31E-02	ft/day
= (0.15) (0.0377) / (0.10) =		5.78E-02	ft/day
Rang of	25%	8.44	ft/yr
porosity	10%	21.10	ft/yr

Seepage Velocity ***Range of 8 to 21 ft/yr***

TABLE 3. SUMMARY OF HISTORICAL SOIL ANALYTICAL RESULTS - ECI WHITSETT FACILITY - WHITSETT, NORTH CAROLINA

Sample ID	Depth	Date	VOCs - Method 5035A/8260B (µg/kg)				SVOCs - Method 8270 (µg/kg)										Metals - Method 6010B/7471 (mg/kg)																TPH - Method 8015D and 3546/DRO (mg/kg)		Pesticides - Method
			Acetone	Dichlorodifluoromethane	Tetrachloroethylene	Trichloroethylene	All Parameters	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	bis(2-ethylhexyl)phthalate	Chrysene	Fluoranthene	Phenanthrene	Pyrene	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Chromium VI	Copper	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Thallium	Zinc	Gasoline Range - GRO	Diesel Range - DRO	All Parameters
Delineation Criteria - Residential			1.2E+07	19	17000	880	Varies	150	15	150	1500	35000	15000	460000	NE	340000	6.2	0.61	3000	32	14	24000	0.29	620	400	360	2	300	78	78	0.61	4600	NE	NE	Varies
PSRGs - Industrial			1E+08	80	82000	4000	Varies	2100	210	2100	21000	120000	210000	4400000	NE	3400000	82	2.4	38000	400	160	100000	5.6	8200	800	4600	3.1	4000	1000	1000	2	62000	NE	NE	Varies
PSRGs - Protection of Groundwater			24000	29	5	18	Varies	180	59	600	5900	7200	18000	330000	68000	220000	0.9	5.8	580	63	3	360000	3.8	700	270	65	1	130	2.1	3.4	0.28	1200	NE	NE	Varies
Min of Soil Standards			24000	19	5	18		150	15	150	1500	7200	15000	330000	68000	220000	0.9	0.61	580	32	3	24000	0.29	620	270	65	1	130	2.1	3.4	0.28	1200	10	40	
Background Samples - ERM																																			
BG-1	5.5'	5/21/2014	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	<2.1	**0.77**	NA	0.19 J	0.057 J	18.6	NA	38.9	2.5	**342**	0.0073 J	14.9	<1	0.17 J	<1.0	34.6	NA	NA	NA
BG-2	3'	5/21/2014	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	<2.3	**1.1**	NA	0.43 J	0.19 J	20.6	NA	65.2	7.8	**311**	0.034 J	12.8	<1.1	0.24 J	<1.1	35.2	NA	NA	NA
BG-3	3'	5/21/2014	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	<2.2	**1**	NA	0.47 J	0.22 J	21.8	NA	72.3	8.4	**322**	0.042 J	13.3	<1.1	0.24 J	<1.1	37.6	NA	NA	NA
BG-4	4'	5/21/2014	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	<2.2	0.54	NA	0.29 J	0.11 J	9.2	NA	40.1	4.2	**363**	0.0056 J	6.9	<1.1	0.26 J	<1.1	47.7	NA	NA	NA
BG-5	2'	5/21/2014	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	<4.5	**1.4**	NA	0.48 J	<0.9	56.7	NA	77.7	3.1 J	**552**	0.034 J	20.2	2.1 J	0.64 J	<2.2	54.4	NA	NA	NA
BG-6	3'	5/21/2014	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	<4.1	**1.3** J	NA	0.18 J	<0.81	78.5	NA	58.3	4.1	**419**	0.012 J	24.3	2 J	0.67 J	<2.0	35.3	NA	NA	NA
BG-7	3'	5/21/2014	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	<4.1	**0.93** J	NA	0.18 J	<0.82	82	NA	61.2	4.9	**521**	0.023 J	27.9	**2.6** J	0.65 J	<2.1	45.3	NA	NA	NA
Baseline (Background) Samples - GaiaTech																																			
WP-1	21.5-23.5'	7/26/2011	<3000	<300	<59	<59	BDL	<48	<48	<48	<48	<490	<48	<48	<48	<48	NA	**5.7**	140	NA	1.4	99	NA	NA	7.7	NA	0.044	NA	<1.5	2.7	NA	NA	NA	NA	NA
WP-2	10-12'	7/26/2011	<2400	<240	<48	<48	BDL	<40	<40	<40	<40	<400	<40	<40	<40	<40	NA	**3.2**	150	NA	0.66	100	NA	NA	2.9	NA	<0.024	NA	<1.2	1.2	NA	NA	NA	NA	NA
WP-3	13-15'	7/26/2011	<2300	<230	<46	<46	BDL	<36	<36	<36	<36	<360	<36	<36	<36	<36	NA	**3.8**	120	NA	0.73	35	NA	NA	2.9	NA	<0.022	NA	<1.1	1.4	NA	NA	NA	NA	NA
WP-4	10-12'	7/26/2011	<2700	<270	<54	<54	BDL	<43	<43	<43	<43	<440	<43	<43	<43	<43	NA	**1.9**	210	NA	1.5	5.2	NA	NA	13	NA	<0.026	NA	<1.3	2.3	NA	NA	NA	NA	NA
ERM Samples																																			
WP-49	3'	5/21/2014	NA	NA	NA	NA	NA										<4.1	NA	NA	<1	NA	NA	NA	74.1	NA	**343**	NA	23.6	NA	NA	**0.59** B	127	NA	NA	NA
WP-50	4'	5/21/2014	<62	<6.2	<6.2	<6.2	NA	-	-	-	-	-	-	-	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
WP-50	12.5'	5/21/2014	<63	<6.3	<6.3	**288** J	NA	-	-	-	-	-	-	-	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
WP-51	4'	5/22/2014	<68	<6.8	<6.8	**26**	NA	-	-	-	-	-	-	-	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
WP-53	1'	5/22/2014	<74	<7.4	<7.4	5.6 J	NA	-	-	-	-	-	-	-	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
WP-53	3'	5/22/2014	<67	<6.7	<6.7	**21.6**	NA	-	-	-	-	-	-	-	-	-	<4.5	NA	NA	0.26 J	NA	NA	NA	55.9	NA	**242**	NA	20.7	NA	NA	<2.3	37.1	NA	NA	NA
DUP-1	3'	5/22/2014	<65	<6.5	<6.5	**42.5**	NA	-	-	-	-	-	-	-	-	-	<3.9	NA	NA	0.14 J	NA	NA	NA	49.3	NA	**215**	NA	16.6	NA	NA	<2.0	34.2	NA	NA	NA
WP-54	1'	5/22/2014	<50	<5	**7.8**	**1,090**	NA	-	-	-	-	-	-	-	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
WP-55	0.5'	6/6/2014	<56	<5.6	<5.6	<5.6	NA	-	-	-	-	-	-	-	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GaiaTech Samples																																			
WP-5	6-8'	7/26/2011	<2200	<220	<44	<44	-	69	**86**	120	44	<390	90	140	77	150	NA	**4.2**	79	NA	1.2	63	NA	NA	14	NA	0.029	NA	<1.2	2	NA	NA	NA	NA	NA
WP-5	10.5-12.5'	7/26/2011	<2300	<230	<46	<46	BDL	<43	<43	<43	<43	<430	<43	<43	<43	<43	NA	**4.2**	88	NA	1.4	66	NA	NA	10	NA	0.03	NA	<1.3	2.5	NA	NA	NA	NA	NA
WP-6	3-5'	7/26/2011	<2400	<240	<48	<48	BDL	<46	<46	<46	<46	<460	<46	<46	<46	<46	NA	**5.5**	210	NA	1.4	59	NA	NA	5.6	NA	<0.028	NA	<1.4	2.1	NA	NA	NA	NA	NA
WP-6	18-20'	7/26/2011	<2800	<280	<55	<55	BDL	<42	<42	<42	<42	<420	<42	<42	<42	<42	NA	**6.1**	230	NA	1	14	NA	NA	4.5	NA	<0.025	NA	<1.3	1.7	NA	NA	NA	NA	NA
WP-7	6-8'	7/26/2011	<2700	<270	<54	<54	BDL	<42	<42	<42	<42	<430	<42	<42	<42	<42	NA	**4.8**	76	NA	0.94	56	NA	NA	3.6	NA	<0.026	NA	<1.3	1.7	NA	NA	BDL	BDL	NA
WP-8	1.5-3'	7/26/2011	<2500	<250	<49	<49	BDL	<36	<36	<36	<36	<360	<36	<36	<36	<36	NA	<5.4	68	NA	<0.27	56	NA	NA	<1.4	NA	<0.022	NA	**7**	<0.054	NA	NA	<4.6	**100**	NA
WP-9	1-3'	7/26/2011	<2700	<270	<55	<55	BDL	<43	<43	<43	<43	<430	<43	<43	<43	<43	NA	<6.5	57	NA	<0.32	63	NA	NA	0.65	NA	<0.026	NA	**6.1**	<0.65	NA	NA	<4.3	**280**	NA
WP-10	1-2'	7/26/2011	<2400	<240	<49	<49	BDL	<420	<420	<420	<420	<4300	<420	<420	<420	<420	NA	<6.4	170	NA	<0.32	38	NA	NA	6.9	NA	<0.026	NA	**13**	<0.64	NA	NA	<4	**2,300**	NA
WP-11	3-5'	7/27/2011	<56	<5.6	<1.1	<1.1	BDL	<37	<37	<37	<37	<370	<37	<37	<37	<37	NA	<1.1	150	NA	<0.28	48	NA	NA	2.9	NA	<0.022	NA	<5.6	<0.56	NA	NA	BDL	BDL	NA
WP-12	5-7'	7/27/2011	<66	<6.6	<1.3	2.8	BDL	<43	<43	<43	<43	<440	<43	<43	<43	<43	NA	**1.9**	150	NA	<0.33	35	NA	NA	3	NA	<0.026	NA	<6.6	<0.66	NA	NA	BDL	BDL	NA
WP-13	5-6'	7/27/2011	<63	<6.3	<1.3	<1.3	BDL	<42	<42	<42	<42	<420	<42	<42	<42	<42	NA	**1.6**	200	NA	<0.32	51	NA	NA	3.5	NA	<0.025	NA	<6.3	0.64	NA	NA	BDL	BDL	NA
WP-14	8-10'	7/27/2011	<57	<5.7	<1.1	**30**	BDL	<38	<38	<38	<38	<380	<38	<38	<38	<38	NA	<5.7	180	NA	0.58	180	<2.0	NA	7	NA	<0.023	NA	<5.7	0.91	NA	NA	BDL	BDL	NA
WP-15	3-5'	7/27/2011	<53	<5.3	<1	<1	BDL	<35	<35	<35	<35	<350	<35	<35	<35	<35	NA	<1	81	NA	<0.26	200	<2.0	NA	3	NA	<0.021	NA	<5.3	<0.53	NA	NA	BDL	BDL	NA
WP-16	3-5'	7/27/2011	<54	<5.4	<1.1	<1.1	BDL	<36	<36	<36	<36	<360	<36	<36	<36	<36	NA	<1.1	79	NA	<0.27	35	NA	NA	2.1	NA	<0.022	NA	<5.4	<0.54	NA	NA	BDL	BDL	NA
SS-1	Surface	7/27/2011	<70	<7	<1.4	<1.4	BDL	<46	<46	<46	<46	<470	<46	<46	<46	<46	NA	<1.4	110	NA	<0.35	69	NA	NA	8.7	NA	<0.028	NA	<7	<0.7	NA	NA	BDL	BDL	BDL
SS-2	Surface	7/27/2011	<660	<6.6	<1.3	<1.3	BDL	<43	<43	<43	<43	<440	<43	<43	<43	<43	NA	<1.3	110	NA	<0.33	52	NA	NA	9.9	NA	<0.026	NA	<6.6	<0.66	NA	NA	BDL	BDL	BDL
WP-17	6"	10/23/2012	<83.7	<8.4	<4.2	**84.2**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
WP-17	5'	10/23/2012	<106	<5.3	<5.3	**117**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
WP-17	10'	10/23/2012	<107	<5.4	<5.4	**687**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
WP-18	6"	10/23/2012	<81	<4.0	<4.0	**603**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
WP-18	5'	10/23/2012	<73.8	<3.7	<3.7	<3.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
WP-19	6"	10/23/2012	<94.4	<4.7	<4.7	**851**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
WP-19	4'	10/23/2012	<109	<2.0	<2.0	**2610**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
WP-20	6"	10/23/2012	<96.9	<4.8	<4.8	**353**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
WP-20	5'	10/23/2012	<84.3	<4.2	<4.2	**51**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

TABLE 3. SUMMARY OF HISTORICAL SOIL ANALYTICAL RESULTS - ECI WHITSETT FACILITY - WHITSETT, NORTH CAROLINA

Sample ID	Depth	Date	VOCs - Method 5035A/8260B (µg/kg)				SVOCs - Method 8270 (µg/kg)										Metals - Method 6010B/7471 (mg/kg)																TPH - Method 8015D and 3546/DRO (mg/kg)		Pesticides - Method
			Acetone	Dichlorodifluoromethane	Tetrachloroethylene	Trichloroethylene	All Parameters	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	bis(2-ethylhexyl)phthalate	Chrysene	Fluoranthene	Phenanthrene	Pyrene	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Chromium VI	Copper	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Thallium	Zinc	Gasoline Range - GRO	Diesel Range - DRO	All Parameters
Delineation Criteria - Residential			1.2E+07	19	17000	880	Varies	150	15	150	1500	35000	15000	460000	NE	340000	6.2	0.61	3000	32	14	24000	0.29	620	400	360	2	300	78	78	0.61	4600	NE	NE	Varies
PSRGs - Industrial			1E+08	80	82000	4000	Varies	2100	210	2100	21000	120000	210000	4400000	NE	3400000	82	2.4	38000	400	160	100000	5.6	8200	800	4600	3.1	4000	1000	1000	2	62000	NE	NE	Varies
PSRGs - Protection of Groundwater			24000	29	5	18	Varies	180	59	600	5900	7200	18000	330000	68000	220000	0.9	5.8	580	63	3	360000	3.8	700	270	65	1	130	2.1	3.4	0.28	1200	NE	NE	Varies
WP-20	10'	10/23/2012	<72.1	<3.6	<3.6	**126**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
WP-21	6"	10/23/2012	106	<4.2	<4.2	**103**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
WP-21	4'	10/23/2012	<94	<4.7	<4.7	<4.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
WP-22	6"	10/23/2012	<86.6	<4.3	<4.3	<4.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
WP-22	4'	10/23/2012	<89.2	<4.5	<4.5	8.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
WP-23	6"	10/23/2012	<72.5	<3.6	<3.6	**103**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
WP-23	3'	10/23/2012	<75.3	<3.8	<3.8	<3.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
WP-24	6"	10/23/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	37.6	NA
WP-24	3'	10/23/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<5.5	NA
WP-25	6"	10/23/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	8.9	NA
WP-25	2'	10/23/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<6.0	NA
WP-26	6"	10/23/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<5.6	NA
WP-26	5'	10/23/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<5.5	NA
WP-27	6"	10/23/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.1	NA
WP-27	5'	10/23/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<6.3	NA
WP-27	10'	10/23/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<5.4	NA
WP-28	6"	10/23/2012	NA	NA	NA	NA	BDL	<368	<368	<368	<368	-	<368	<368	<368	<368	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
WP-28	5'	10/23/2012	NA	NA	NA	NA	BDL	<390	<390	<390	<390	-	<390	<390	<390	<390	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
WP-28	10'	10/23/2012	NA	NA	NA	NA	BDL	<399	<399	<399	<399	-	<399	<399	<399	<399	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
WP-28	15'	10/23/2012	NA	NA	NA	NA	BDL	<378	<378	<378	<378	-	<378	<378	<378	<378	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
WP-29	6"	10/23/2012	NA	NA	NA	NA	BDL	<379	<379	<379	<379	-	<379	<379	<379	<379	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
WP-29	5'	10/23/2012	NA	NA	NA	NA	BDL	<377	<377	<377	<377	-	<377	<377	<377	<377	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
WP-29	10'	10/23/2012	NA	NA	NA	NA	BDL	<382	<382	<382	<382	-	<382	<382	<382	<382	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
WP-29	15'	10/23/2012	NA	NA	NA	NA	BDL	<369	<369	<369	<369	-	<369	<369	<369	<369	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
WP-29	19'	10/23/2012	NA	NA	NA	NA	BDL	<368	<368	<368	<368	-	<368	<368	<368	<368	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
WP-30	6"	10/23/2012	NA	NA	NA	NA	BDL	<369	<369	<369	<369	-	<369	<369	<369	<369	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
WP-30	5'	10/23/2012	NA	NA	NA	NA	BDL	<376	<376	<376	<376	-	<376	<376	<376	<376	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
WP-30	10'	10/23/2012	NA	NA	NA	NA	BDL	<387	<387	<387	<387	-	<387	<387	<387	<387	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
WP-30	13'	10/23/2012	NA	NA	NA	NA	BDL	<439	<439	<439	<439	-	<439	<439	<439	<439	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
WP-31	6"	10/23/2012	NA	NA	NA	NA	BDL	<368	<368	<368	<368	-	<368	<368	<368	<368	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
WP-31	5'	10/23/2012	NA	NA	NA	NA	BDL	<369	<369	<369	<369	-	<369	<369	<369	<369	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
WP-31	10'	10/23/2012	NA	NA	NA	NA	BDL	<399	<399	<399	<399	-	<399	<399	<399	<399	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
WP-31	13'	10/23/2012	NA	NA	NA	NA	BDL	<360	<360	<360	<360	-	<360	<360	<360	<360	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
WP-32	6"	10/23/2012	NA	NA	NA	NA	BDL	<366	<366	<366	<366	420	<366	<366	<366	<366	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
WP-32	5'	10/23/2012	NA	NA	NA	NA	BDL	<370	<370	<370	<370	-	<370	<370	<370	<370	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
WP-32	9'	10/23/2012	NA	NA	NA	NA	BDL	<360	<360	<360	<360	-	<360	<360	<360	<360	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
WP-33	6"	2/13/2013	<105	<10.5	NR	**410**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
WP-33	5'	2/13/2013	<100	<10	NR	5.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
WP-34	6"	2/13/2013	<80.9	<8.1	NR	**24.5**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
WP-34	3'	2/13/2013	<71.6	<7.2	<3.6	<3.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
WP-35	6"	2/13/2013	<78	<7.8	<3.9	<3.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
WP-35	2'	2/13/2013	<75.2	<7.5	<3.8	<3.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
WP-36	6"	2/13/2013	<88.5	<8.8	<4.4	<4.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
WP-36	5'	2/13/2013	232	<16.4	<8.2	<8.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
WP-36	10'	2/13/2013	<88.3	<8.8	<4.4	<4.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
WP-37	6"	2/13/2013	204	<8.6	<4.3	10.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
WP-37	5'	2/13/2013	<85	<8.5	<4.3	<4.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
WP-37	6'	2/13/2013	96.9	<6.6	<3.3	4.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

TABLE 3. SUMMARY OF HISTORICAL SOIL ANALYTICAL RESULTS - ECI WHITSETT FACILITY - WHITSETT, NORTH CAROLINA

Sample ID	Depth	Date	VOCs - Method 5035A/8260B (µg/kg)				SVOCs - Method 8270 (µg/kg)									
			Acetone	Dichlorodifluoromethane	Tetrachloroethylene	Trichloroethylene	All Parameters	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	bis(2-ethylhexyl)phthalate	Chrysene	Fluoranthene	Phenanthrene	Pyrene
Delineation Criteria - Residential			1.2E+07	19	17000	880	Varies	150	15	150	1500	35000	15000	460000	NE	340000
PSRGs - Industrial			1E+08	80	82000	4000	Varies	2100	210	2100	21000	120000	210000	4400000	NE	3400000
PSRGs - Protection of Groundwater			24000	29	5	18	Varies	180	59	600	5900	7200	18000	330000	68000	220000
WP-38	6"	2/13/2013	118	<9.9	<4.95	5.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
WP-38	5'	2/13/2013	<76.3	<7.6	<3.8	<3.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
WP-39	6"	2/13/2013	<88.7	<8.9	<4.45	**26.6**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
WP-40	6"	2/13/2013	115	<10.9	<5.4	<5.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
WP-40	5'	2/13/2013	<107	<10.7	<5.4	<5.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
WP-40	7'	2/13/2013	<96.7	<9.7	<4.8	<4.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
WP-41	6"	2/13/2013	<117	<11.7	NR	9.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
WP-41	5'	2/13/2013	<94.1	<9.4	NR	<4.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
WP-41	8'	2/13/2013	<86.1	<8.6	<4.3	<4.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
WP-42	6"	2/13/2013	117	<7.8	<3.9	**25.6**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
WP-42	5'	2/13/2013	<81.2	<8.1	<4.1	<4.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
WP-42	6'	2/13/2013	<79.3	<7.9	<4	<4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
WP-43	6"	2/13/2013	<81.2	**37.7**	<4.1	<4.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
WP-43	5'	2/13/2013	<78.9	<7.9	<3.9	<3.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
WP-43	8'	2/13/2013	<102	<10.2	<5.1	**32.9**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
WP-47	6"	2/13/2013	197	<9.9	<4.9	<4.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
WP-47	5'	2/13/2013	<77.7	<7.8	<3.9	<3.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
WP-47	9'	2/13/2013	<77.6	<7.8	<3.9	<3.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Sample ID	Depth	Date	Metals - Method 6010B/7471 (mg/kg)																TPH - Method 8015D and 3546/DRO (mg/kg)		Pesticides - Method
			Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Chromium VI	Copper	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Thallium	Zinc	Gasoline Range - GRO	Diesel Range - DRO	All Parameters
Delineation Criteria - Residential			6.2	0.61	3000	32	14	24000	0.29	620	400	360	2	300	78	78	0.61	4600	NE	NE	Varies
PSRGs - Industrial			82	2.4	38000	400	160	100000	5.6	8200	800	4600	3.1	4000	1000	1000	2	62000	NE	NE	Varies
PSRGs - Protection of Groundwater			0.9	5.8	580	63	3	360000	3.8	700	270	65	1	130	2.1	3.4	0.28	1200	NE	NE	Varies
WP-38	6"	2/13/2013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
WP-38	5'	2/13/2013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
WP-39	6"	2/13/2013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
WP-40	6"	2/13/2013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
WP-40	5'	2/13/2013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
WP-40	7'	2/13/2013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
WP-41	6"	2/13/2013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
WP-41	5'	2/13/2013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
WP-41	8'	2/13/2013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
WP-42	6"	2/13/2013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
WP-42	5'	2/13/2013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
WP-42	6'	2/13/2013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
WP-43	6"	2/13/2013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
WP-43	5'	2/13/2013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
WP-43	8'	2/13/2013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
WP-47	6"	2/13/2013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
WP-47	5'	2/13/2013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
WP-47	9'	2/13/2013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:

VOCs: Volatile organic compounds; SVOCs: Semi-Volatile organic compounds; TPH: Total Petroleum Hydrocarbons
IHSB Preliminary health-based soil remediation goals (PSRGs) , updated January 2014
(µg/kg) = micrograms per kilogram (mg/kg) = miligrams per kilogram
Only detected compounds are listed.
< = Below Laboratory Detection Limit; NA: Not Analyzed; NE: Not Established
B = analyte found in associated method blank; J = estimated value greater than the method detection limit but less than the reporting limit
Bolded Highlighted values exceed the lowest of the listed PSRGs
Highlighted "<" values were not detected, but the detection limits were greater than the applicable PSRG
WP-44 through WP-46 collected by not analyzed

TABLE 4. SUMMARY OF TENTATIVELY IDENTIFIED COMPOUNDS - ECI WHITSETT FACILITY - WHITSETT, NORTH CAROLI

Tentatively Identified Compounds	Groundwater		Soil		Retained?	Rationale
	Number of Detections in Groundwater	Maximum Estimated Concentration Detected	Number of Detections in Soil	Maximum Estimated Concentration Detected		
	µg/L		mg/kg			
SVOCs - Method 8270C/8270D Estimated Concentrations						
1-Butene	1	39	Not Analyzed	--	No	Single hit, not likely a site contaminant
2,4(1H,3H)-Pyrimidinedione, 6-chloro-5-n	1	50	Not Analyzed	--	No	Single hit, not likely a site contaminant
Carbamodithioic acid, dipropyl-, propyl	1	43	Not Analyzed	--	No	Single hit, not likely a site contaminant
Chloro-2-methyl-1-morpholino-1,3-butad	1	79	Not Analyzed	--	No	Single hit, not likely a site contaminant
Histidine, 4-nitro-	1	40	Not Analyzed	--	No	Single hit, not likely a site contaminant
Hydrazine, 1-methyl-1-(2-propynyl)-	1	29	Not Analyzed	--	No	Single hit, not likely a site contaminant
Isopropyl Alcohol	1	60	Not Analyzed	--	No	Single hit, not likely a site contaminant
n-Hexylmethylamine	1	36	Not Analyzed	--	No	Single hit, not likely a site contaminant
Phenol 4,4'-(1-methylethyl)	1	37.5	Not Analyzed	--	No	Single hit, not likely a site contaminant
Trichloroethylene	1	7.84	Not Analyzed	--	Yes	Analyzed as a VOC
VOC - Method 5035A/8260B Estimated Concentrations						
Carbon dioxide	2	11000	0	--		
Propanamide, 2-hydroxy-	1	50	0	--		
1,3-Bis (trimethylsilyl) bez	0	--	1	7.58	No	Single hit, not likely a site contaminant
13-Docosenamide	0	--	2	841		
1-Hexanol, 2-ethyl-	0	--	1	1770	No	Single hit, not likely a site contaminant
2,4 (1H, 3H) -Pyrimidinedione	0	--	1	130	No	Single hit, not likely a site contaminant
2-Nitroso-1-naphthol-4-sulf	0	--	1	8.77	No	Single hit, not likely a site contaminant
3-Oxatricyclo [5.2.0.0 (2,4)]	0	--	1	158	No	Single hit, not likely a site contaminant
4-(Dimethylamino)-3,5-dinitro-N-(4-phenoxy-phenyl)benz-amide	0	--	1	212	No	Single hit, not likely a site contaminant
7-Methyl-7H-dibenzo[b,g]carbazole	0	--	2	25.4		
Aminomethanesulfonic acid	0	--	1	23.8	No	Single hit, not likely a site contaminant
Benzenamine, 4-methyl-3-nit	0	--	1	28.9	No	Single hit, not likely a site contaminant
Benzenesulfinic acid, 4-chl	0	--	1	849	No	Single hit, not likely a site contaminant
Cyclohexane, 1-methyl-2-propyl-	0	--	1	110	No	Single hit, not likely a site contaminant
Cyclohexane, pentyl-	0	--	1	91	No	Single hit, not likely a site contaminant
Cyclopentane	0	--	1	250	No	Single hit, not likely a site contaminant
Cyclopentane	0	--	3	23.9		
Cyclotetrasiloxane, octamethyl	0	--	13	24.2		
Cyclotrisiloxane, hexamethyl	0	--	22	16.7		
Decane, 3,6-dimethyl-	0	--	1	458	No	Single hit, not likely a site contaminant
Decane, 3,7-dimethyl-	0	--	1	120	No	Single hit, not likely a site contaminant
Dibutyl phthalate	0	--	1	190	No	Single hit, not likely a site contaminant
Docosane	0	--	1	1180	No	Single hit, not likely a site contaminant
Dodecane, 2-methyl-	0	--	1	532	No	Single hit, not likely a site contaminant
Dodecane, 4-methyl-	0	--	1	311	No	Single hit, not likely a site contaminant
Fluoranthene	0	--	2	468		
Hexadecane, 2,6,10,14-tetra	0	--	2	730		
Hexanal	0	--	1	5.88	No	Single hit, not likely a site contaminant
Naphthalene, decahydro-2,6-dimethy	0	--	1	95	No	Single hit, not likely a site contaminant
Naphthalene, decahydro-2-methyl-	0	--	1	140	No	Single hit, not likely a site contaminant
Nonanal	0	--	4	5.83		
Octanal	0	--	7	7.6		
Pyrrolidine-2, 5-dione, 1-et	0	--	1	205	No	Single hit, not likely a site contaminant
Sulfur Dioxide	0	--	13	360		
trans-Decalin, 2-methyl-	0	--	1	100	No	Single hit, not likely a site contaminant
Tridecane	0	--	1	803	No	Single hit, not likely a site contaminant
Tridecane, 3-methyl-	0	--	1	819	No	Single hit, not likely a site contaminant
Undecane, 2,6-dimethyl-	0	--	1	420	No	Single hit, not likely a site contaminant
Undecane, 4,8-dimethyl-	0	--	1	120	No	Single hit, not likely a site contaminant
Undecane, 5-methyl-	0	--	1	140	No	Single hit, not likely a site contaminant
Undecane, 6,6-dimethyl-	0	--	1	310	No	Single hit, not likely a site contaminant
Unknown Alkane	0	--	2	8.06		

TABLE 5. SUMMARY OF SOIL TOTAL VOC & SPLP VOC ANALYTICAL RESULTS - ECI WHITSETT FACILITY - WHITSETT, NORTH CAROLINA

Sample ID	Depth	Date	Unit	VOCs - Method 8260B											
				Acetone	Benzene	Chloroform	cis-1,2-Dichloroethylen	Ethylbenzene	Methyl ethyl ketone	Methylene chloride	Styrene	Tetrachloroethylene	Toluene	Trichloroethylene	Xylene (total)
WP-51	4'	5/22/2014	µg/kg	<68	<6.8	<6.8	<6.8	<6.8	<34	<14	<6.8	<6.8	<6.8	26	<20.8
WP-51	4'	5/22/2014	µg/l	<25	0.34 J	<1.0	<1.0	5.2	<5.0	<2.0	<1.0	2.9	10.9	<1.0	31.6
WP-53	1'	5/22/2014	µg/kg	<74	<7.4	<7.4	<7.4	<7.4	<37	<14	<7.4	<7.4	<7.4	5.6 J	<22.4
WP-53	1'	5/22/2014	µg/l	<25	<1.0	<1.0	<1.0	6	<5.0	<5.0	<1.0	<1.0	12.7	<1.0	43.6
WP-53	3'	5/22/2014	µg/kg	<67	<6.7	<6.7	<6.7	<6.7	<33	<6.7	<6.7	<6.7	<6.7	21.6	<19.7
WP-53	3'	5/22/2014	µg/l	<25	0.64 J	<1.0	<1.0	11.6	<5.0	<2.0	<1.0	0.41 J	21	<1.0	89.4
WP-54	1'	5/22/2014	µg/kg	<50	<5.0	<5.0	<5.0	<5.0	<25	<10	<5.0	7.8	<5.0	1,090	<15
WP-54	1'	5/22/2014	µg/l	<25	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	0.52 J	<1.0	0.25 J	<1.0	1.9
WP-55	0.5'	6/6/2014	µg/kg	<56	<5.6	<5.6	<5.6	<5.6	<28	<11	<5.6	<5.6	<5.6	<5.6	<16.6
WP-55	0.5'	6/6/2014	µg/l	<25	<1.0	<1.0	<1.0	1.1	<5.0	<2.0	1	<1.0	0.92	<1.0	23.3

Notes:

µg/kg = micrograms per kilogram

µg/l = micrograms per liter

"<" = compound not detected above method detection limit

blue value mean complund was detected

Green boxed dataset used to determine SPLP

TABLE 6. SUMMARY OF HISTORICAL GROUNDWATER RESULTS FOR VOCs, SVOCs & TPH - ECI WHITSETT FACILITY - WHITSETT, NORTH CAROLINA

Sample ID	Date	VOCs - Method 5035A/8260B (µg/L)											SVOCs-8270	TPH 8015 & 3546 DRO	
		Total VOCs	1,1-Dichloroethylene	1,2-Dichloroethane	Chloroform	cis-1,2Dichloroethylene	Ethylbenzene	Methyl Tert Butyl Ether	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**	**350**	**0.4**	**70**	**70**	**600**	**20**	**600**	**3**	**500**	**3**	Varies	400	10000
WP-5	07/27/11	0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<1	BDL	BDL	BDL	NA	NA
WP-8 (GP-8)	07/26/11	0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<1	BDL	BDL	BDL	<100	7000
MW-1	10/26/12	6.9	BDL	BDL	BDL	BDL	BDL	BDL	BDL	**6.9**	BDL	BDL	BDL	NA	<500
MW1	05/15/14	18.86	<0.25	**0.66 J**	<0.31	0.6 J	0.5 J	<0.2	0.28 J	**13.9**	2.5 J	0.42 J	NA	NA	NA
MW-2	10/25/12	0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<1	BDL	BDL	BDL	NA	<500
MW-2	05/16/14	0.22	<0.25	<0.24	<0.31	<0.33	<0.28	<0.2	0.22 J	<0.3	<0.66	<0.3	NA	NA	NA
MW-3	10/25/12	0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<1	BDL	BDL	BDL	NA	<500
MW-3	05/15/14	0.23	<0.25	<0.24	<0.31	<0.33	<0.28	<0.2	0.23 J	<0.3	<0.66	<0.3	NA	NA	NA
MW-4	10/25/12	45.8	BDL	BDL	BDL	BDL	BDL	BDL	BDL	**45.8**	BDL	BDL	BDL	NA	<500
MW-4	05/16/14	8.63	<0.25	<0.24	<0.31	<0.33	<0.28	<0.2	0.23 J	**8.4**	<0.66	<0.3	NA	NA	NA
DUP-1	05/16/14	9.16	<0.25	<0.24	<0.31	<0.33	<0.28	<0.2	0.26 J	**8.9**	<0.66	<0.3	NA	NA	NA
MW-5	08/27/13	0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<1	BDL	BDL	NA	NA	NA
MW-5 (DUP)	08/27/13	0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<1	BDL	BDL	NA	NA	NA
MW-5	05/16/14	0	<0.25	<0.24	<0.31	<0.33	<0.28	<0.2	<0.2	<0.3	<0.66	<0.3	NA	NA	NA
MW-6	08/27/13		BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.5	BDL	BDL	NA	NA	NA
MW-6	05/16/14	0	<0.25	<0.24	<0.31	<0.33	<0.28	<0.2	<0.2	<0.3	<0.66	<0.3	NA	NA	NA
MW-7	08/26/13	0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<1	BDL	BDL	NA	NA	NA
MW-7	05/16/14	0.74	<0.25	<0.24	<0.31	<0.33	<0.28	<0.2	<0.2	<0.3	0.74 J	<0.3	NA	NA	NA
MW-8	08/26/13	1.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.5	BDL	BDL	NA	NA	NA
MW-8	05/16/14	0.25	<0.25	<0.24	<0.31	<0.33	<0.28	<0.2	<0.2	<0.3	0.25 J	<0.3	NA	NA	NA
MW-9	08/26/13	6.7	BDL	BDL	BDL	BDL	BDL	BDL	BDL	**6.7**	BDL	BDL	NA	NA	NA
MW-9	05/15/14	9.24	<0.25	<0.24	<0.31	0.41 J	<0.28	0.23 J	<0.2	**8.6**	<0.66	<0.3	NA	NA	NA
MW-10	08/26/13	10.2	BDL	BDL	BDL	BDL	BDL	BDL	BDL	**10.2**	BDL	BDL	NA	NA	NA
MW-10	05/15/14	3.49	<0.25	<0.24	<0.31	<0.33	<0.28	<0.2	<0.2	3	<0.66	0.49 J	NA	NA	NA
MW-11	06/06/14	136.76	0.86 J	<0.24	5	2.9	<0.28	<0.2	<0.2	**128**	<0.66	<0.3	NA	NA	NA
DW-1	06/06/14	82.18	<0.25	<0.24	<0.31	1.9	<0.28	0.28 J	<0.2	**80**	<0.66	<0.3	NA	NA	NA
MW-12	06/05/14	0	<0.25	<0.24	<0.31	<0.33	<0.28	<0.2	<0.2	<0.3	<0.66	<0.3	NA	NA	NA

Notes:

Only detected compounds are listed.

Groundwater criteria are NCAC 2L 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; J = estimated value greater than the method detection limit but less than the reporting limit

*Comparing GRO results to groundwater quality standard for petroleum aliphatic carbon fraction class (C5-C8)

**Comparing DRO results to groundwater quality standard for petroleum aliphatic carbon fraction class (C19-C36)

Highlighted values exceed NC2L Standards

TABLE 7. SUMMARY OF CURRENT AND HISTORICAL GROUNDWATER RESULTS FOR METALs - ECI WHITSETT FACILITY - WHITSETT, NORTH CAR(

Sample ID	Date	Total Metals - EPA Method 6010 (µg/L)															
		Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium, Total	Copper	Lead	Manganese	Manganese	Mercury	Nickel	Selenium	Silver	Thallium	Zinc
NC 2L Groundwater		**1 ***	**10**	**700**	**4 ***	**2**	**10**	**1000**	**15**	**50**	**50**	**1**	**100**	**20**	**20**	**0.2 ***	**1000**
WP-5	07/27/11	NA	**20**	45	NA	**5**	<10	NA	<5	NA	NA	<0.2	NA	**22**	<10	NA	NA
WP-8 (GP-8)	07/26/11	NA	**20**	19	NA	**5**	<10	NA	<5	NA	NA	<0.2	NA	<20	<10	NA	NA
MW-1	10/26/12	<5	<5	NA	<1	<1	<5	5.6	<5	**227**	NA	<0.2	<5	<10	<5	<10	11
	05/15/14	NA	NA	NA	NA	NA	NA	NA	NA	**467**	NA	NA	NA	NA	NA	NA	NA
MW-2**	10/25/12	<5	<5	NA	<1	<1	<5	<5	<5	**134**	NA	<0.2	<5	<10	<5	<10	<10
	05/16/14	NA	NA	NA	NA	NA	NA	NA	NA	**69.9**	**65.8**	NA	NA	NA	NA	NA	NA
MW-3**	10/25/12	<5	<5	NA	<1	<1	<5	7.1	<5	28.7	NA	<0.2	<5	<10	<5	<10	<10
	05/15/14	NA	NA	NA	NA	NA	NA	NA	NA	13 B	2.8 B	NA	NA	NA	NA	NA	NA
MW-4	10/25/12	<5	<5	NA	<1	<1	<5	<5	<5	**147**	NA	<0.2	<5	<10	<5	<10	<10
	05/16/14	NA	NA	NA	NA	NA	NA	NA	NA	**141**	NA	NA	NA	NA	NA	NA	NA
MW-5**	08/27/13	<5	<10	NA	<1	<1	<5	48.3	<5	**862**	NA	<0.2	<5	<10	<5	<10	<10
MW-5 (DUP)	08/27/13	<5	<10	NA	<1	<1	<5	21	<5	**288**	NA	<0.2	<5	<10	<5	<10	<10
	05/15/14	NA	NA	NA	NA	NA	NA	NA	NA	**54.9**	**52.8**	NA	NA	NA	NA	NA	NA
MW-6	08/27/13	<5	<10	NA	<1	<1	<5	<5	<5	**137**	NA	<0.2	<5	<10	<5	<10	<10
	05/16/14	NA	NA	NA	NA	NA	NA	NA	NA	**64.9**	NA	NA	NA	NA	NA	NA	NA
MW-7	08/26/13	<5	<10	NA	<1	<1	<5	<5	<5	33.1	NA	<0.2	<5	<10	<5	<10	<10
MW-8	08/26/13	<5	<10	NA	<1	<1	<5	<5	<5	**97.2**	NA	<0.2	<5	<10	<5	<10	<10
	05/16/14	NA	NA	NA	NA	NA	NA	NA	NA	**223**	NA	NA	NA	NA	NA	NA	NA
MW-9	08/26/13	<5	<10	NA	<1	<1	<5	<5	<5	**294**	NA	<0.2	<5	<10	<5	<10	<10
MW-10	08/26/13	<5	<10	NA	<1	<1	<5	<5	<5	**99.1**	NA	<0.2	<5	<10	<5	<10	<10
	05/15/14	NA	NA	NA	NA	NA	NA	NA	NA	**159**	NA	NA	NA	NA	NA	NA	NA
MW-11	06/06/14	NA	NA	NA	NA	NA	NA	NA	NA	**700**	NA	NA	NA	NA	NA	NA	NA
MW-12	06/05/14	NA	NA	NA	NA	NA	NA	NA	NA	**72.9**	NA	NA	NA	NA	NA	NA	NA
DW-1	06/06/14	NA	NA	NA	NA	NA	NA	NA	NA	**479**	NA	NA	NA	NA	NA	NA	NA

Notes

Groundwater Standard - 15A NCAC 02L .0202 Groundwater Standards (Effective April 1, 2013)

* - Interm Maximum Allowable Concentrations (IMACs)

** MW-2, MW-3 and MW-5 considered upgradient and reprepresentative of background groundwater c background groundwater quality

Highlighted values exceed NC2L Standards

TABLE 8. SUMMARY OF NATURAL ATTENUATION PARAMETERS - ECI WHITSETT FACILITY - WHITSETT, NORTH CAROLINA

Monitoring Well ID	Sample Date	Iron µg/l	Manganese, Dissolved µg/l	Nitrogen, Nitrate mg/l	Nitrogen, Nitrite mg/l	Sulfate mg/l	Sulfide mg/l	Total Organic Carbon mg/l	pH	Specific Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	Temperature (˚C)	Oxidation Reduction Potential (mV)	Turbidity (mV)
Ideal Requirements for Natural Attenuation		>1	increasing	<1	<1	<20	<20	>20	5 to 9	(Purge Stabilization Parameter)	<1	>20 (Microbial Activity Slows at Lower Temperatures	<50	(Purge Stabilization Parameter)
MW1	05/15/14	1950	467	<0.05	<0.05	30.7	NA	1.8	6.44	594	0.4	20.70	17.3	26.3
MW2	05/16/14		65.8	NA	NA	NA	NA	NA	6.54	226.5	2.69	16.80	86.7	6.72
MW3	05/15/14	98.2 B	2.8 B	1.9	<0.05	32.7	NA	0.54 B	6.69	288.6	5.52	20.20	72.1	3.62
MW4	05/16/14		141	1.1	<0.05	2	NA	9.6	6.02	105	6.51	18.10	79.3	22.3
DUP1	05/16/14		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW5	05/16/14		52.8	NA	NA	NA	NA	NA	5.91	458.5	0.35	15.60	93	2.05
MW6	05/16/14		64.9	<0.05	<0.05	7.7	NA	22.7	6.68	228.5	5.34	16.02	96.4	9.81
MW7	05/16/14		NA	NA	NA	NA	NA	NA	7.32	23.1	2.37	17.70	8.5	--
MW8	05/16/14	12700	223	<0.05	<0.05	48.1	NA	1.6	6.81	470	1.24	17.30	28.4	46
MW9	05/15/14		NA	NA	NA	NA	NA	NA	6.59	732	0.32	19.80	40.3	14.9
MW10	05/15/14		159	1.7	<0.05	25.3	NA	0.86 B	5.98	458.4	0.53	18.50	57.8	2.72
MW11	06/06/14	1120	700	0.59	<0.05	68.4	<0.22	2.9	6.85	589	1.15	20.71	-19.4	17.1
MW12	06/05/14	295 B	72.9	<0.05	<0.05	9	1.7	0.8 B	6.45	253	5.57	21.69	45.7	2.81
DW1	06/06/14	452	479	<0.05	<0.05	43.9	<0.22	1.5	6.78	463	0.21	19.13	-56.7	0.49

Notes:

NA = Not applicable

Highlighted values indicate positive conditions for Natural Attenuation

TABLE 9. SUMMARY OF SOIL QA/QC SAMPLE ANALYTICAL RESULTS - ECI WHITSETT FACILITY - WHITSETT, NORTH CAROLINA

Sample ID	Date	Lab Name	QA/QC Sample Description	VOCs - Method 5035A/8260B (µg/kg)					Metals - Method 6010B/7471 (mg/kg)						
				Acetone	Dichlorodifluoromethane	Tetrachloroethylene	Toluene	Trichloroethylene	Antimony	Beryllium	Copper	Manganese	Nickel	Thallium	Zinc
Bias Analysis		**Data is considered VALID.**													
TRIP BLANK-1	05/21/14	Accutest	Trip Blank	<50	<5	<5	<5	<5	NA	NA	NA	NA	NA	NA	NA
TRIP BLANK	05/22/14	Accutest	Trip Blank	<50	<5	<5	<5	<5	NA	NA	NA	NA	NA	NA	NA
TRIP BLANK-2	05/22/14	Accutest	Trip Blank	<25	<2	<1	<1	<1	NA	NA	NA	NA	NA	NA	NA
TRIP BLANK	06/06/14	Accutest	Trip Blank	<50	<5	<5	<5	<5	NA	NA	NA	NA	NA	NA	NA
RB-1	05/22/14	Accutest	Rinse Blank	<25	<1	<1	0.58 J	<1	<6	<4	4.2 B	2.5 B	<40	<10	10.2 B

Laboratory QA/QC Exceptions:

FA15202 (a) Elevated reporting limit(s) due to matrix interference.
FA15245 (a) Elevated reporting limit(s) due to matrix interference.
(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.

Precision Analysis		**Data is considered VALID.**													
GP-53 @ 3'	05/22/14	Accutest	Sample	<67	<6.7	<6.7	21.6	21.6	<4.5	0.26 B	55.9	242	20.7	<2.3	37.1
DUP-1	05/22/14	Accutest	Duplicate	<65	<6.5	<6.5	42.5	42.5	<3.9	0.14 B	49.3	215	16.6	<2	34.2
Calculated Relative Percent Difference (RPD)				---	---	---	*65%*	*65%*	---	*60%*	*13%*	*12%*	*22%*	---	*8%*

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

Sensitivity Analysis **Data is considered VALID.**

The detection limits listed for each analyte are less than or equal to the respective applicable regulatory limit, unless dilution of samples were necessary.
Exceptions: Antimony, Thallium, & Tetrachloroethene

Notes:

NA = Not Analyzed
RPD should be less than 20%

TABLE 10. SUMMARY OF GROUNDWATER QA/QC SAMPLE ANALYTICAL RESULTS - ECI WHITSETT FACILITY - WHITSETT, NORTH CAROL

Sample ID	Date	Lab Name	QA/QC Sample Description	VOCs - Method 5035A/8260B (µg/kg)									
				1,1-Dichloroethylene	1,2-Dichloroethane	Chloroform	cis-1,2Dichloroethylen	Ethylbenzene	Methyl Tert Butyl Ethe	Toluene	Trichloroethylene	Xylene (total)	1,4-Dioxane
Bias Analysis		**Data is considered VALID.**											
Trip Blank	05/15/14	Accutest	Trip Blank	<1	<1	<1	<1	<1	<1	<1	<1	<3	<1
Trip Blank	06/05/14	Accutest	Trip Blank	<1	<1	<1	<1	<1	<1	<1	<1	<3	<1
Trip Blank	06/06/14	Accutest	Trip Blank	<1	<1	<1	<1	<1	<1	<1	<1	<3	<1
RB-1	05/16/14	Accutest	Rinse Blank	<1	<1	<1	<1	<1	<1	0.52 J	<1	<3	<1

Laboratory QA/QC Exceptions:

FA15066 (a) Confirmation run.
(b) Outside control limits.
(a) Field analysis required. Received out of hold time and analyzed by request.

FA15089 (a) Result is from Run# 2
(b) Associated Initial Calibration outside control limits.
(a) Field analysis required. Received out of hold time and analyzed by request.

FA15588 No exceptions were noted on the laboratory report.

FA15635 (a) Associated BS recovery outside control limits.
(b) Result is from Run# 2

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.

Precision Analysis		**Data is considered VALID.**											
MW-4	05/16/14	Accutest	Sample	<0.25	<0.24	<0.31	<0.33	<0.28	<0.2	0.23 J	8.4	<0.66	<0.3
Dup-1	05/16/14	Accutest	Duplicate	<0.25	<0.24	<0.31	<0.33	<0.28	<0.2	0.26 J	8.9	<0.66	<0.3
Dup-1 Analysis		*Calculated Relative Percent Difference (RPD)*		---	---	---	---	---	---	*12%*	*6%*	---	---

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

Sensitivity Analysis **Data is considered VALID.**

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

Notes:

NA = Not Analyzed

RPD should be less than 20%

LABORATORY REPORTS

Southeast ACCUTEST LABORATORIES

05/23/14

Technical Report for

ERM

ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

Accutest Job Number: FA15066

Sampling Date: 05/15/14

Report to:

ERM
1130 Situs Court Suite 250
Raleigh, NC 27606
gregory.kanellis@erm.com; Lane.Dorman@erm.com;
Robert.Laumann@erm.com
ATTN: Lane Dorman

Total number of pages in report: **65**

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.

Harry Behzadi, Ph.D.
Laboratory 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 Laboratories

Sample Summary

ERM

Job No: FA15066

ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
FA15066-1	05/15/14	11:45	RMGR	05/16/14	AQ	Ground Water	MW-9
FA15066-2	05/15/14	13:45	RMGR	05/16/14	AQ	Ground Water	MW-10
FA15066-2A	05/15/14	13:45	RMGR	05/16/14	AQ	Ground Water	MW-10
FA15066-3	05/15/14	15:05	RMGR	05/16/14	AQ	Ground Water	MW-1
FA15066-4	05/15/14	15:00	RMGR	05/16/14	AQ	Ground Water	MW-3
FA15066-4F	05/15/14	15:00	RMGR	05/16/14	AQ	Groundwater Filtered	MW-3
FA15066-5	05/15/14	00:00	RMGR	05/16/14	AQ	Trip Blank Water	TRIP BLANK

Summary of Hits

Job Number: FA15066
Account: ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC
Collected: 05/15/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FA15066-1	**MW-9**					
cis-1,2-Dichloroethylene		0.41 J	1.0	0.33	ug/l	SW846 8260B
Methyl Tert Butyl Ether		0.23 J	1.0	0.20	ug/l	SW846 8260B
Trichloroethylene		8.6	1.0	0.30	ug/l	SW846 8260B
FA15066-2	**MW-10**					
Trichloroethylene		3.0	1.0	0.30	ug/l	SW846 8260B
1,4-Dioxane		0.49 J	1.0	0.30	ug/l	SW846 8260B BY SIM
Total TIC, Volatile		50 J			ug/l	
FA15066-2A	**MW-10**					
Iron		92.6 B	300	17	ug/l	SW846 6010C
Manganese		159	15	1.0	ug/l	SW846 6010C
Nitrogen, Nitrate		1.7	0.10	0.050	mg/l	EPA 300/SW846 9056A
Sulfate		25.3	2.0	0.60	mg/l	EPA 300/SW846 9056A
Total Organic Carbon		0.86 B	1.0	0.23	mg/l	SM5310 B-11/SW9060A
FA15066-3	**MW-1**					
1,2-Dichloroethane		0.66 J	1.0	0.24	ug/l	SW846 8260B
cis-1,2-Dichloroethylene		0.60 J	1.0	0.33	ug/l	SW846 8260B
Ethylbenzene		0.50 J	1.0	0.28	ug/l	SW846 8260B
Toluene		0.28 J	1.0	0.20	ug/l	SW846 8260B
Trichloroethylene		13.9	1.0	0.30	ug/l	SW846 8260B
m,p-Xylene		1.4 J	2.0	0.48	ug/l	SW846 8260B
o-Xylene		1.1	1.0	0.20	ug/l	SW846 8260B
1,4-Dioxane		0.42 J	1.0	0.30	ug/l	SW846 8260B BY SIM
Total TIC, Volatile		79 J			ug/l	
Iron		1950	300	17	ug/l	SW846 6010C
Manganese		467	15	1.0	ug/l	SW846 6010C
Sulfate		30.7	2.0	0.60	mg/l	EPA 300/SW846 9056A
Total Organic Carbon		1.8	1.0	0.23	mg/l	SM5310 B-11/SW9060A
FA15066-4	**MW-3**					
Toluene		0.23 J	1.0	0.20	ug/l	SW846 8260B
Total TIC, Volatile		43 J			ug/l	
Iron		98.2 B	300	17	ug/l	SW846 6010C
Manganese		13.0 B	15	1.0	ug/l	SW846 6010C
Nitrogen, Nitrate		1.9	0.10	0.050	mg/l	EPA 300/SW846 9056A
Sulfate		32.7	2.0	0.60	mg/l	EPA 300/SW846 9056A
Total Organic Carbon		0.54 B	1.0	0.23	mg/l	SM5310 B-11/SW9060A

Summary of Hits

Job Number: FA15066
Account: ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC
Collected: 05/15/14

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FA15066-4F	**MW-3**					
Manganese		2.8 B	15	1.0	ug/l	SW846 6010C
FA15066-5	**TRIP BLANK**					
Total TIC, Volatile		60 J			ug/l	

Southeast ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	MW-9		
Lab Sample ID:	FA15066-1	**Date Sampled:**	05/15/14
Matrix:	AQ - Ground Water	**Date Received:**	05/16/14
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z25708.D	1	05/20/14	KW	n/a	n/a	VZ1005
Run #2 [a]	Z25682.D	1	05/19/14	DP	n/a	n/a	VZ1004

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

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%	99%	74-125%
2037-26-5	Toluene-D8	100%	112% [b]	88-111%

(a) Confirmation run.
(b) 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-9		
Lab Sample ID:	FA15066-1	**Date Sampled:**	05/15/14
Matrix:	AQ - Ground Water	**Date Received:**	05/16/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M74448.D	1	05/20/14	RB	n/a	n/a	VM3146
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	0.41	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
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:	FA15066-1	**Date Sampled:**	05/15/14
Matrix:	AQ - Ground Water	**Date Received:**	05/16/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, 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	0.23	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	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	8.6	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	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-9		
Lab Sample ID:	FA15066-1	**Date Sampled:**	05/15/14
Matrix:	AQ - Ground Water	**Date Received:**	05/16/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, 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	102%		85-112%
460-00-4	4-Bromofluorobenzene	100%		83-118%

CAS No.	Tentatively Identified Compounds [a]	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		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:	MW-10		
Lab Sample ID:	FA15066-2	**Date Sampled:**	05/15/14
Matrix:	AQ - Ground Water	**Date Received:**	05/16/14
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z25710.D	1	05/20/14	KW	n/a	n/a	VZ1005
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	0.49	1.0	0.30	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	99%		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-10		
Lab Sample ID:	FA15066-2	**Date Sampled:**	05/15/14
Matrix:	AQ - Ground Water	**Date Received:**	05/16/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M74449.D	1	05/20/14	RB	n/a	n/a	VM3146
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:	MW-10		
Lab Sample ID:	FA15066-2	**Date Sampled:**	05/15/14
Matrix:	AQ - Ground Water	**Date Received:**	05/16/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, 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	3.0	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
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:	FA15066-2	**Date Sampled:**	05/15/14
Matrix:	AQ - Ground Water	**Date Received:**	05/16/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, 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	100%		79-125%
2037-26-5	Toluene-D8	101%		85-112%
460-00-4	4-Bromofluorobenzene	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	5.71	50	ug/l	JN
	Total TIC, Volatile		50	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:	MW-10		
Lab Sample ID:	FA15066-2A	**Date Sampled:**	05/15/14
Matrix:	AQ - Ground Water	**Date Received:**	05/16/14
		Percent Solids:	n/a
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC		

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Iron	92.6 B	300	17	ug/l	1	05/19/14	05/19/14	LM	SW846 6010C [1]	SW846 3010A [2]
Manganese	159	15	1.0	ug/l	1	05/19/14	05/19/14	LM	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA11607
(2) Prep QC Batch: MP27271

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:	FA15066-2A	**Date Sampled:**	05/15/14
Matrix:	AQ - Ground Water	**Date Received:**	05/16/14
		Percent Solids:	n/a
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Nitrogen, Nitrate	1.7	0.10	0.050	mg/l	1	05/16/14 20:31	CH	EPA 300/SW846 9056A
Nitrogen, Nitrite	0.050 U	0.10	0.050	mg/l	1	05/16/14 20:31	CH	EPA 300/SW846 9056A
Sulfate	25.3	2.0	0.60	mg/l	1	05/16/14 20:31	CH	EPA 300/SW846 9056A
Sulfite [a]	1.5 U	3.0	1.5	mg/l	1	05/16/14 15:15	LE	SM4500SO3 B-11
Total Organic Carbon	0.86 B	1.0	0.23	mg/l	1	05/21/14 22:26	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-1		
Lab Sample ID:	FA15066-3	**Date Sampled:**	05/15/14
Matrix:	AQ - Ground Water	**Date Received:**	05/16/14
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z25684.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	0.42	1.0	0.30	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	99%		74-125%
2037-26-5	Toluene-D8	110%		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:	FA15066-3	**Date Sampled:**	05/15/14
Matrix:	AQ - Ground Water	**Date Received:**	05/16/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M74450.D	1	05/20/14	RB	n/a	n/a	VM3146
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	0.66	1.0	0.24	ug/l	J
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	0.60	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-1		
Lab Sample ID:	FA15066-3	**Date Sampled:**	05/15/14
Matrix:	AQ - Ground Water	**Date Received:**	05/16/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, 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	0.50	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	0.28	1.0	0.20	ug/l	J
79-01-6	Trichloroethylene	13.9	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	ND	10	2.0	ug/l	
	m,p-Xylene	1.4	2.0	0.48	ug/l	J
95-47-6	o-Xylene	1.1	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-1		
Lab Sample ID:	FA15066-3	**Date Sampled:**	05/15/14
Matrix:	AQ - Ground Water	**Date Received:**	05/16/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, 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	97%		79-125%
2037-26-5	Toluene-D8	99%		85-112%
460-00-4	4-Bromofluorobenzene	103%		83-118%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
1000090-58-9	1-Chloro-2-methyl-1-morpholino-1,3-butad	2.59	79	ug/l	JN
	Total TIC, Volatile		79	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:	MW-1		
Lab Sample ID:	FA15066-3	**Date Sampled:**	05/15/14
Matrix:	AQ - Ground Water	**Date Received:**	05/16/14
		Percent Solids:	n/a
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC		

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Iron	1950	300	17	ug/l	1	05/19/14	05/19/14	LM	SW846 6010C [1]	SW846 3010A [2]
Manganese	467	15	1.0	ug/l	1	05/19/14	05/19/14	LM	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA11607
(2) Prep QC Batch: MP27271

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:	FA15066-3	**Date Sampled:**	05/15/14
Matrix:	AQ - Ground Water	**Date Received:**	05/16/14
		Percent Solids:	n/a
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Nitrogen, Nitrate	0.050 U	0.10	0.050	mg/l	1	05/16/14 20:48	CH	EPA 300/SW846 9056A
Nitrogen, Nitrite	0.050 U	0.10	0.050	mg/l	1	05/16/14 20:48	CH	EPA 300/SW846 9056A
Sulfate	30.7	2.0	0.60	mg/l	1	05/16/14 20:48	CH	EPA 300/SW846 9056A
Sulfite [a]	1.5 U	3.0	1.5	mg/l	1	05/16/14 15:15	LE	SM4500SO3 B-11
Total Organic Carbon	1.8	1.0	0.23	mg/l	1	05/21/14 22:41	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-3		
Lab Sample ID:	FA15066-4	**Date Sampled:**	05/15/14
Matrix:	AQ - Ground Water	**Date Received:**	05/16/14
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z25711.D	1	05/20/14	KW	n/a	n/a	VZ1005
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	101%		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:	FA15066-4	**Date Sampled:**	05/15/14
Matrix:	AQ - Ground Water	**Date Received:**	05/16/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M74451.D	1	05/20/14	RB	n/a	n/a	VM3146
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:	MW-3		
Lab Sample ID:	FA15066-4	**Date Sampled:**	05/15/14
Matrix:	AQ - Ground Water	**Date Received:**	05/16/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, 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	0.23	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:	MW-3		
Lab Sample ID:	FA15066-4	**Date Sampled:**	05/15/14
Matrix:	AQ - Ground Water	**Date Received:**	05/16/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, 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	103%		83-118%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
19047-79-1	Carbamodithioic acid, dipropyl-, propyl	2.50	43	ug/l	JN
	Total TIC, Volatile		43	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:	MW-3		
Lab Sample ID:	FA15066-4	**Date Sampled:**	05/15/14
Matrix:	AQ - Ground Water	**Date Received:**	05/16/14
		Percent Solids:	n/a
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC		

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Iron	98.2 B	300	17	ug/l	1	05/19/14	05/19/14	LM	SW846 6010C [1]	SW846 3010A [2]
Manganese	13.0 B	15	1.0	ug/l	1	05/19/14	05/19/14	LM	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA11607
(2) Prep QC Batch: MP27271

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:	FA15066-4	**Date Sampled:**	05/15/14
Matrix:	AQ - Ground Water	**Date Received:**	05/16/14
		Percent Solids:	n/a
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Nitrogen, Nitrate	1.9	0.10	0.050	mg/l	1	05/16/14 21:05	CH	EPA 300/SW846 9056A
Nitrogen, Nitrite	0.050 U	0.10	0.050	mg/l	1	05/16/14 21:05	CH	EPA 300/SW846 9056A
Sulfate	32.7	2.0	0.60	mg/l	1	05/16/14 21:05	CH	EPA 300/SW846 9056A
Sulfite [a]	1.5 U	3.0	1.5	mg/l	1	05/16/14 15:15	LE	SM4500SO3 B-11
Total Organic Carbon	0.54 B	1.0	0.23	mg/l	1	05/21/14 22:55	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-3		
Lab Sample ID:	FA15066-4F	**Date Sampled:**	05/15/14
Matrix:	AQ - Groundwater Filtered	**Date Received:**	05/16/14
		Percent Solids:	n/a
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC		

Dissolved Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Manganese	2.8 B	15	1.0	ug/l	1	05/19/14	05/19/14	LM	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA11607
(2) Prep QC Batch: MP27271

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:	FA15066-5	**Date Sampled:**	05/15/14
Matrix:	AQ - Trip Blank Water	**Date Received:**	05/16/14
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z25686.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	97%		74-125%
2037-26-5	Toluene-D8	111%		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:	FA15066-5	**Date Sampled:**	05/15/14
Matrix:	AQ - Trip Blank Water	**Date Received:**	05/16/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M74452.D	1	05/20/14	RB	n/a	n/a	VM3146
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
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:	FA15066-5	**Date Sampled:**	05/15/14
Matrix:	AQ - Trip Blank Water	**Date Received:**	05/16/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, 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:	FA15066-5	**Date Sampled:**	05/15/14
Matrix:	AQ - Trip Blank Water	**Date Received:**	05/16/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, 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	99%		79-125%
2037-26-5	Toluene-D8	98%		85-112%
460-00-4	4-Bromofluorobenzene	104%		83-118%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
127-07-1	Hydroxyurea	3.21	60	ug/l	JN
	Total TIC, Volatile		60	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 #: FA15066

PAGE 1 OF 1

Accutest Quote #:

SKIFF#:

Client / Reporting Information

Company Name: ERM
Address: 1130 S. Tryon St. 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): Greg Kanellis

Project Information

Project Name: ECI Whitsett
Street: 1239 Rock Creek Dairy Rd.
City: Whitsett 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 8260 + 10 TICs	1,4 Dioxane 8260 SIM	Total Mn, Fe	Dissolved Mn, Fe (Field Filtered)	Sulfate, Sulfide, Nitrate, Nitrite	TOC
1	MW-9	5/15/14	1145	RM	GW	6			6							X	X				
2	MW-10		1345	GK		10		1	8		1					X	X	X		X	X
3	MW-1		1505	RM		10		1	8		1					X	X	X		X	X
4	MW-3		1500	GK		11		1	8							X	X	X	X	X	X
5	Trip Blank-1		-	-	WW	~~3~~ 2			2							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
- [x] 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

3-day TAT on MW-10 and MW-9
VOCs and 1,4 Dioxane only.
STD TAT on the rest

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]	5/15/14 1645	2 Brent Porter	3 Brent Porter	5/15/14 1720	4 FX
Relinquished by: 5 FX 051614	Date Time: 1015	Received By: 6 [signature]	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: 2.2

4.1 4

FA15066: Chain of Custody
Page 1 of 3

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: FA15066 CLIENT: ERM PROJECT: ELF Whitsett

DATE/TIME RECEIVED: 05-16-14 10:15 {MM/DD/YY 24:00} NUMBER OF COOLERS RECEIVED: 1

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

AIRBILL NUMBERS: 7988 7797 7680

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: 18
- [ ] CORRECTED TEMPS: 22

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
- [x] 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's 1, 3, 4 (Clear) Vial have Macro Bubble. Sample #2 1 Broken foc

TECHNICIAN SIGNATURE/DATE [signature] 05-16-14 REVIEWER SIGNATURE/DATE [signature] 05/16/14

RS 04/14 receipt confirmation 041514.xls

4.1

4

FA15066: 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: 15MAY14
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 #

FRI - 16 MAY AA
STANDARD OVERNIGHT

TRK# 0201 7988 7797 7680

XH TIXA

32811
FL-US
MCO

RT 267 5 B
ST F1 7680 05.16

FA15066: 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: FA15066
Account: ERMNCR ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, 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

FA15066-3, FA15066-5

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	101%	74-125%
2037-26-5	Toluene-D8	108%	88-111%

Method Blank Summary

Job Number: FA15066
Account: ERMNCR ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VZ1005-MB	Z25706.D	1	05/20/14	KW	n/a	n/a	VZ1005

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

FA15066-1, FA15066-2, FA15066-4

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: FA15066
Account: ERMNCR ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM3146-MB	M74443.D	1	05/20/14	RB	n/a	n/a	VM3146

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

FA15066-1, FA15066-2, FA15066-3, FA15066-4, FA15066-5

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: FA15066
Account: ERMNCR ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM3146-MB	M74443.D	1	05/20/14	RB	n/a	n/a	VM3146

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

FA15066-1, FA15066-2, FA15066-3, FA15066-4, FA15066-5

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: FA15066
Account: ERMNCR ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM3146-MB	M74443.D	1	05/20/14	RB	n/a	n/a	VM3146

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

FA15066-1, FA15066-2, FA15066-3, FA15066-4, FA15066-5

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	98%	83-118%
17060-07-0	1,2-Dichloroethane-D4	102%	79-125%
2037-26-5	Toluene-D8	100%	85-112%
460-00-4	4-Bromofluorobenzene	102%	83-118%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
135200-64-5	Imidazole, 5-[2-(aminocarbonyl)vinyl]-	2.59	52	ug/l	JN
66-25-1	Hexanal	2.64	47	ug/l	JN
1000126-42-1	Pyrido[3,4-d]imidazole, 1,6-bi[hydroxyca	3.52	46	ug/l	JN
	Total TIC, Volatile		145	ug/l	J

Blank Spike Summary

Job Number: FA15066
Account: ERMNCR ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, 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

FA15066-3, FA15066-5

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: FA15066
Account: ERMNCR ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VZ1005-BS	Z25705.D	1	05/20/14	KW	n/a	n/a	VZ1005

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

FA15066-1, FA15066-2, FA15066-4

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
123-91-1	1,4-Dioxane	50	43.0	86	65-121

CAS No.	Surrogate Recoveries	BSP	Limits
17060-07-0	1,2-Dichloroethane-D4	99%	74-125%
2037-26-5	Toluene-D8	100%	88-111%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA15066
Account: ERMNCR ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM3146-BS	M74441.D	1	05/20/14	RB	n/a	n/a	VM3146

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

FA15066-1, FA15066-2, FA15066-3, FA15066-4, FA15066-5

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	158	126	50-147
107-02-8	Acrolein	125	133	106	31-154
107-13-1	Acrylonitrile	125	119	95	58-126
71-43-2	Benzene	25	25.3	101	81-122
108-86-1	Bromobenzene	25	24.0	96	80-121
74-97-5	Bromochloromethane	25	23.0	92	76-123
75-27-4	Bromodichloromethane	25	23.3	93	79-123
75-25-2	Bromoform	25	23.9	96	66-123
104-51-8	n-Butylbenzene	25	25.8	103	79-126
135-98-8	sec-Butylbenzene	25	29.7	119	83-133
98-06-6	tert-Butylbenzene	25	28.3	113	80-133
108-90-7	Chlorobenzene	25	26.6	106	82-124
75-00-3	Chloroethane	25	26.4	106	62-144
67-66-3	Chloroform	25	23.9	96	80-124
95-49-8	o-Chlorotoluene	25	27.5	110	81-127
106-43-4	p-Chlorotoluene	25	27.9	112	83-130
110-75-8	2-Chloroethyl vinyl ether	125	117	94	56-122
75-15-0	Carbon disulfide	25	27.1	108	66-148
56-23-5	Carbon tetrachloride	25	24.3	97	76-136
75-34-3	1,1-Dichloroethane	25	25.3	101	81-122
75-35-4	1,1-Dichloroethylene	25	29.1	116	78-137
563-58-6	1,1-Dichloropropene	25	28.4	114	79-131
96-12-8	1,2-Dibromo-3-chloropropane	25	23.6	94	64-123
106-93-4	1,2-Dibromoethane	25	25.1	100	75-120
107-06-2	1,2-Dichloroethane	25	24.6	98	75-125
78-87-5	1,2-Dichloropropane	25	24.8	99	76-124
142-28-9	1,3-Dichloropropane	25	25.3	101	80-118
594-20-7	2,2-Dichloropropane	25	27.2	109	74-139
124-48-1	Dibromochloromethane	25	24.3	97	78-122
75-71-8	Dichlorodifluoromethane	25	34.0	136	42-167
156-59-2	cis-1,2-Dichloroethylene	25	23.9	96	78-120
10061-01-5	cis-1,3-Dichloropropene	25	23.5	94	75-118
541-73-1	m-Dichlorobenzene	25	27.7	111	84-125
95-50-1	o-Dichlorobenzene	25	26.1	104	82-124
106-46-7	p-Dichlorobenzene	25	24.3	97	78-120
156-60-5	trans-1,2-Dichloroethylene	25	25.5	102	76-127

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA15066
Account: ERMNCR ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM3146-BS	M74441.D	1	05/20/14	RB	n/a	n/a	VM3146

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

FA15066-1, FA15066-2, FA15066-3, FA15066-4, FA15066-5

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
10061-02-6	trans-1,3-Dichloropropene	25	26.0	104	80-120
100-41-4	Ethylbenzene	25	25.4	102	81-121
591-78-6	2-Hexanone	125	137	110	61-129
87-68-3	Hexachlorobutadiene	25	26.5	106	75-142
98-82-8	Isopropylbenzene	25	28.0	112	83-132
99-87-6	p-Isopropyltoluene	25	28.5	114	79-130
108-10-1	4-Methyl-2-pentanone	125	135	108	66-122
74-83-9	Methyl bromide	25	28.3	113	59-143
74-87-3	Methyl chloride	25	27.6	110	50-159
74-95-3	Methylene bromide	25	23.4	94	78-119
75-09-2	Methylene chloride	25	26.8	107	69-135
78-93-3	Methyl ethyl ketone	125	125	100	56-143
1634-04-4	Methyl Tert Butyl Ether	25	25.4	102	72-117
91-20-3	Naphthalene	25	25.5	102	63-132
103-65-1	n-Propylbenzene	25	29.3	117	82-133
100-42-5	Styrene	25	24.7	99	78-119
630-20-6	1,1,1,2-Tetrachloroethane	25	24.6	98	77-122
71-55-6	1,1,1-Trichloroethane	25	25.2	101	75-130
79-34-5	1,1,2,2-Tetrachloroethane	25	25.3	101	72-120
79-00-5	1,1,2-Trichloroethane	25	24.5	98	76-119
87-61-6	1,2,3-Trichlorobenzene	25	25.4	102	68-131
96-18-4	1,2,3-Trichloropropane	25	26.9	108	77-120
120-82-1	1,2,4-Trichlorobenzene	25	25.4	102	73-129
95-63-6	1,2,4-Trimethylbenzene	25	25.3	101	79-120
108-67-8	1,3,5-Trimethylbenzene	25	25.9	104	79-120
127-18-4	Tetrachloroethylene	25	27.5	110	76-135
108-88-3	Toluene	25	24.9	100	80-120
79-01-6	Trichloroethylene	25	26.0	104	81-126
75-69-4	Trichlorofluoromethane	25	27.8	111	71-156
75-01-4	Vinyl chloride	25	30.0	120	69-159
108-05-4	Vinyl Acetate	125	137	110	43-154
	m,p-Xylene	50	55.1	110	79-126
95-47-6	o-Xylene	25	27.4	110	80-127

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA15066
Account: ERMNCR ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM3146-BS	M74441.D	1	05/20/14	RB	n/a	n/a	VM3146

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

FA15066-1, FA15066-2, FA15066-3, FA15066-4, FA15066-5

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

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA15066
Account: ERMNCR ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, 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

FA15066-3, FA15066-5

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: FA15066
Account: ERMNCR ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA14985-1MS	Z25725.D	1	05/20/14	KW	n/a	n/a	VZ1005
FA14985-1MSD	Z25726.D	1	05/20/14	KW	n/a	n/a	VZ1005
FA14985-1	Z25716.D	1	05/20/14	KW	n/a	n/a	VZ1005

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

FA15066-1, FA15066-2, FA15066-4

CAS No.	Compound	FA14985-1 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	24.5		50	67.3	86	50	70.6	92	5	65-121/27

CAS No.	Surrogate Recoveries	MS	MSD	FA14985-1	Limits
17060-07-0	1,2-Dichloroethane-D4	101%	100%	102%	74-125%
2037-26-5	Toluene-D8	100%	100%	100%	88-111%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA15066
Account: ERMNCR ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA14954-2MS	M74467.D	1	05/20/14	RB	n/a	n/a	VM3146
FA14954-2MSD	M74468.D	1	05/20/14	RB	n/a	n/a	VM3146
FA14954-2	M74446.D	1	05/20/14	RB	n/a	n/a	VM3146

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

FA15066-1, FA15066-2, FA15066-3, FA15066-4, FA15066-5

CAS No.	Compound	FA14954-2 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	25	U	125	87.9	70	125	91.5	73	4	50-147/21
107-02-8	Acrolein	20	U	125	103	82	125	105	84	2	31-154/29
107-13-1	Acrylonitrile	10	U	125	115	92	125	120	96	4	58-126/16
71-43-2	Benzene	1.0	U	25	27.2	109	25	27.3	109	0	81-122/14
108-86-1	Bromobenzene	1.0	U	25	27.1	108	25	26.5	106	2	80-121/14
74-97-5	Bromochloromethane	1.0	U	25	28.0	112	25	27.6	110	1	76-123/14
75-27-4	Bromodichloromethane	1.0	U	25	25.8	103	25	25.8	103	0	79-123/19
75-25-2	Bromoform	1.0	U	25	23.4	94	25	23.0	92	2	66-123/21
104-51-8	n-Butylbenzene	1.0	U	25	26.6	106	25	25.9	104	3	79-126/16
135-98-8	sec-Butylbenzene	1.0	U	25	31.2	125	25	30.0	120	4	83-133/16
98-06-6	tert-Butylbenzene	1.0	U	25	29.8	119	25	28.4	114	5	80-133/16
108-90-7	Chlorobenzene	1.0	U	25	28.8	115	25	27.9	112	3	82-124/14
75-00-3	Chloroethane	2.0	U	25	22.8	91	25	22.5	90	1	62-144/20
67-66-3	Chloroform	1.0	U	25	26.0	104	25	24.9	100	4	80-124/15
95-49-8	o-Chlorotoluene	1.0	U	25	28.7	115	25	27.1	108	6	81-127/15
106-43-4	p-Chlorotoluene	1.0	U	25	30.2	121	25	29.8	119	1	83-130/15
110-75-8	2-Chloroethyl vinyl ether	5.0	U	125	ND	0*	125	ND	0*	nc	56-122/23
75-15-0	Carbon disulfide	2.0	U	25	23.9	96	25	19.7	79	19	66-148/23
56-23-5	Carbon tetrachloride	1.0	U	25	26.8	107	25	26.3	105	2	76-136/23
75-34-3	1,1-Dichloroethane	1.0	U	25	26.8	107	25	26.4	106	2	81-122/15
75-35-4	1,1-Dichloroethylene	1.0	U	25	30.8	123	25	30.2	121	2	78-137/18
563-58-6	1,1-Dichloropropene	1.0	U	25	30.9	124	25	29.0	116	6	79-131/16
96-12-8	1,2-Dibromo-3-chloropropane	2.0	U	25	26.9	108	25	28.9	116	7	64-123/18
106-93-4	1,2-Dibromoethane	1.0	U	25	27.1	108	25	27.4	110	1	75-120/13
107-06-2	1,2-Dichloroethane	1.0	U	25	25.7	103	25	25.9	104	1	75-125/14
78-87-5	1,2-Dichloropropane	1.0	U	25	25.6	102	25	25.0	100	2	76-124/14
142-28-9	1,3-Dichloropropane	1.0	U	25	26.4	106	25	26.1	104	1	80-118/13
594-20-7	2,2-Dichloropropane	1.0	U	25	28.9	116	25	28.9	116	0	74-139/17
124-48-1	Dibromochloromethane	1.0	U	25	23.7	95	25	24.1	96	2	78-122/19
75-71-8	Dichlorodifluoromethane	2.0	U	25	31.6	126	25	31.1	124	2	42-167/19
156-59-2	cis-1,2-Dichloroethylene	1.0	U	25	25.9	104	25	26.1	104	1	78-120/15
10061-01-5	cis-1,3-Dichloropropene	1.0	U	25	21.3	85	25	21.1	84	1	75-118/23
541-73-1	m-Dichlorobenzene	1.0	U	25	30.2	121	25	29.2	117	3	84-125/14
95-50-1	o-Dichlorobenzene	1.0	U	25	29.3	117	25	28.6	114	2	82-124/14
106-46-7	p-Dichlorobenzene	1.0	U	25	26.4	106	25	25.7	103	3	78-120/15
156-60-5	trans-1,2-Dichloroethylene	1.0	U	25	27.1	108	25	25.9	104	5	76-127/17

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA15066
Account: ERMNCR ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA14954-2MS	M74467.D	1	05/20/14	RB	n/a	n/a	VM3146
FA14954-2MSD	M74468.D	1	05/20/14	RB	n/a	n/a	VM3146
FA14954-2	M74446.D	1	05/20/14	RB	n/a	n/a	VM3146

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

FA15066-1, FA15066-2, FA15066-3, FA15066-4, FA15066-5

CAS No.	Compound	FA14954-2 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	1.0 U		25	23.3	93	25	24.0	96	3	80-120/22
100-41-4	Ethylbenzene	1.0 U		25	26.5	106	25	26.0	104	2	81-121/14
591-78-6	2-Hexanone	10 U		125	110	88	125	115	92	4	61-129/18
87-68-3	Hexachlorobutadiene	2.0 U		25	25.9	104	25	26.2	105	1	75-142/19
98-82-8	Isopropylbenzene	1.0 U		25	29.4	118	25	28.7	115	2	83-132/15
99-87-6	p-Isopropyltoluene	1.0 U		25	30.2	121	25	29.2	117	3	79-130/16
108-10-1	4-Methyl-2-pentanone	5.0 U		125	137	110	125	139	111	1	66-122/16
74-83-9	Methyl bromide	2.0 U		25	28.9	116	25	27.1	108	6	59-143/19
74-87-3	Methyl chloride	2.0 U		25	28.8	115	25	27.2	109	6	50-159/19
74-95-3	Methylene bromide	2.0 U		25	25.0	100	25	26.1	104	4	78-119/14
75-09-2	Methylene chloride	5.0 U		25	29.5	118	25	28.1	112	5	69-135/16
78-93-3	Methyl ethyl ketone	5.0 U		125	98.4	79	125	98.4	79	0	56-143/18
1634-04-4	Methyl Tert Butyl Ether	1.0 U		25	26.1	104	25	26.0	104	0	72-117/14
91-20-3	Naphthalene	5.0 U		25	23.7	95	25	25.7	103	8	63-132/25
103-65-1	n-Propylbenzene	1.0 U		25	30.9	124	25	30.3	121	2	82-133/15
100-42-5	Styrene	1.0 U		25	24.3	97	25	23.9	96	2	78-119/23
630-20-6	1,1,1,2-Tetrachloroethane	1.0 U		25	25.7	103	25	25.1	100	2	77-122/19
71-55-6	1,1,1-Trichloroethane	1.0 U		25	28.4	114	25	27.4	110	4	75-130/16
79-34-5	1,1,2,2-Tetrachloroethane	1.0 U		25	28.7	115	25	28.0	112	2	72-120/14
79-00-5	1,1,2-Trichloroethane	1.0 U		25	27.2	109	25	25.9	104	5	76-119/14
87-61-6	1,2,3-Trichlorobenzene	1.0 U		25	24.9	100	25	26.2	105	5	68-131/25
96-18-4	1,2,3-Trichloropropane	2.0 U		25	28.3	113	25	28.2	113	0	77-120/16
120-82-1	1,2,4-Trichlorobenzene	1.0 U		25	24.5	98	25	24.5	98	0	73-129/20
95-63-6	1,2,4-Trimethylbenzene	2.0 U		25	26.5	106	25	26.2	105	1	79-120/18
108-67-8	1,3,5-Trimethylbenzene	2.0 U		25	27.4	110	25	25.8	103	6	79-120/19
127-18-4	Tetrachloroethylene	1.0 U		25	28.1	112	25	27.8	111	1	76-135/16
108-88-3	Toluene	1.0 U		25	25.9	104	25	26.0	104	0	80-120/14
79-01-6	Trichloroethylene	1.0 U		25	29.4	118	25	26.5	106	10	81-126/15
75-69-4	Trichlorofluoromethane	2.0 U		25	30.3	121	25	28.8	115	5	71-156/21
75-01-4	Vinyl chloride	1.0 U		25	29.5	118	25	28.4	114	4	69-159/18
108-05-4	Vinyl Acetate	10 U		125	139	111	125	138	110	1	43-154/14
	m,p-Xylene	2.0 U		50	58.0	116	50	57.6	115	1	79-126/15
95-47-6	o-Xylene	1.0 U		25	27.9	112	25	27.5	110	1	80-127/14

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA15066
Account: ERMNCR ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA14954-2MS	M74467.D	1	05/20/14	RB	n/a	n/a	VM3146
FA14954-2MSD	M74468.D	1	05/20/14	RB	n/a	n/a	VM3146
FA14954-2	M74446.D	1	05/20/14	RB	n/a	n/a	VM3146

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

FA15066-1, FA15066-2, FA15066-3, FA15066-4, FA15066-5

CAS No.	Surrogate Recoveries	MS	MSD	FA14954-2	Limits
1868-53-7	Dibromofluoromethane	103%	100%	100%	83-118%
17060-07-0	1,2-Dichloroethane-D4	97%	103%	99%	79-125%
2037-26-5	Toluene-D8	95%	97%	100%	85-112%
460-00-4	4-Bromofluorobenzene	96%	95%	96%	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: FA15066
Account: ERMNCR - ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

QC Batch ID: MP27271
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:					05/19/14		05/19/14
Metal	RL	IDL	MDL	MB raw	final	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	-2.0	<300	-0.90	<300
Lead	5.0	1.1	1.1				
Magnesium	5000	50	56				
Manganese	15	.5	1	-0.10	<15	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 MP27271: FA15066-3, FA15066-4, FA15066-2A, FA15066-4F

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: FA15066
Account: ERMNCR - ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

QC Batch ID: MP27271
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 05/19/14 05/19/14

Metal	FA15042-1F Original	DUP	RPD	QC Limits	FA15042-1F Original	MS	Spikelot MPFLICP2	% Rec	QC Limits
Aluminum	anr								
Antimony									
Arsenic	anr								
Barium									
Beryllium									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron	483	466	3.6	0-20	483	27400	26000	103.5	80-120
Lead	anr								
Magnesium									
Manganese	19.2	18.9	1.6	0-20	19.2	569	500	110.0	80-120
Molybdenum									
Nickel									
Potassium									
Selenium									
Silver									
Sodium									
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc	anr								

Associated samples MP27271: FA15066-3, FA15066-4, FA15066-2A, FA15066-4F

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: FA15066
Account: ERMNCR - ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

QC Batch ID: MP27271
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 05/19/14

Metal	FA15042-1F Original	MSD	Spikelot MPFLICP2	% Rec	MSD RPD	QC Limit
Aluminum	anr					
Antimony						
Arsenic	anr					
Barium						
Beryllium						
Cadmium						
Calcium						
Chromium						
Cobalt						
Copper						
Iron	483	27500	26000	103.9	0.4	20
Lead	anr					
Magnesium						
Manganese	19.2	571	500	110.4	0.4	20
Molybdenum						
Nickel						
Potassium						
Selenium						
Silver						
Sodium						
Strontium						
Thallium						
Tin						
Titanium						
Vanadium						
Zinc	anr					

Associated samples MP27271: FA15066-3, FA15066-4, FA15066-2A, FA15066-4F

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: FA15066
Account: ERMNCR - ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

QC Batch ID: MP27271
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 05/19/14

Metal	BSP Result	Spikelot MPFLICP2	% Rec	QC Limits
Aluminum	anr			
Antimony				
Arsenic	anr			
Barium				
Beryllium				
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron	27200	26000	104.6	80-120
Lead	anr			
Magnesium				
Manganese	559	500	111.8	80-120
Molybdenum				
Nickel				
Potassium				
Selenium				
Silver				
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc	anr			

Associated samples MP27271: FA15066-3, FA15066-4, FA15066-2A, FA15066-4F

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

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA15066
Account: ERMNCR - ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

QC Batch ID: MP27271
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 05/19/14

Metal	FA15042-1F Original	SDL 1:5	%DIF	QC Limits
Aluminum	anr			
Antimony				
Arsenic	anr			
Barium				
Beryllium				
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron	483	450	6.8	0-10
Lead	anr			
Magnesium				
Manganese	19.2	18.2	5.2	0-10
Molybdenum				
Nickel				
Potassium				
Selenium				
Silver				
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc	anr			

Associated samples MP27271: FA15066-3, FA15066-4, FA15066-2A, FA15066-4F

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

POST DIGESTATE SPIKE SUMMARY

Login Number: FA15066
Account: ERMNCR - ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

QC Batch ID: MP27271
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 05/19/14

Metal	Sample ml	Final ml	FA15042-1F 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	482.9	473.242	3579	0.2	150	3000	103.5	80-120
Lead										
Magnesium										
Manganese	9.8	10	19.2	18.816	74.5	0.2	2.5	50	111.4	80-120
Molybdenum										
Nickel										
Potassium										
Selenium										
Silver										
Sodium										
Strontium										
Thallium										
Tin										
Titanium										
Vanadium										
Zinc										

Associated samples MP27271: FA15066-3, FA15066-4, FA15066-2A, FA15066-4F

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: FA15066
Account: ERMNCR - ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Chloride	GP24020/GN61483	2.0	0.0	mg/l	50	50.6	101.2	90-110%
Nitrogen, Nitrate	GP24020/GN61483	0.10	0.0	mg/l	2.5	2.44	97.6	90-110%
Sulfate	GP24020/GN61483	2.0	0.0	mg/l	50	49.9	99.8	90-110%
Sulfite	GN61482	3.0	0.0	mg/l	34.5mg/l	34.5	100.0	80-120%
Total Organic Carbon	GP24043/GN61535	1.0	0.0	mg/l	15	16.1	107.3	90-110%

Associated Samples:
Batch GN61482: FA15066-3, FA15066-4, FA15066-2A
Batch GP24020: FA15066-3, FA15066-4, FA15066-2A
Batch GP24043: FA15066-3, FA15066-4, FA15066-2A
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA15066
Account: ERMNCR - ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, 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: FA15066-3, FA15066-4, FA15066-2A
(*) Outside of QC limits
(a) RPD acceptable due to low duplicate and sample concentrations.

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA15066
Account: ERMNCR - ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Chloride	GP24020/GN61483	FA15052-5	mg/l	4.5	50	54.6	100.2	90-110%
Nitrogen, Nitrate	GP24020/GN61483	FA15052-5	mg/l	0.050 U	2.5	2.4	96.0	90-110%
Sulfate	GP24020/GN61483	FA15052-5	mg/l	5.3	50	53.1	95.6	90-110%
Sulfite	GN61482	FA15066-4	mg/l	1.5 U	34.5	35.0	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 GN61482: FA15066-3, FA15066-4, FA15066-2A
Batch GP24020: FA15066-3, FA15066-4, FA15066-2A
Batch GP24043: FA15066-3, FA15066-4, FA15066-2A
(*) 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: FA15066
Account: ERMNCR - ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MSD Result	RPD	QC Limit
Chloride	GP24020/GN61483	FA15052-5	mg/l	4.5	50	54.5	0.2	20%
Nitrogen, Nitrate	GP24020/GN61483	FA15052-5	mg/l	0.050 U	2.5	2.3	4.3	20%
Sulfate	GP24020/GN61483	FA15052-5	mg/l	5.3	50	53.5	0.8	20%
Sulfite	GN61482	FA15066-4	mg/l	1.5 U	34.5mg/l	33.5	4.4	

Associated Samples:
Batch GN61482: FA15066-3, FA15066-4, FA15066-2A
Batch GP24020: FA15066-3, FA15066-4, FA15066-2A
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

Southeast ACCUTEST LABORATORIES

05/28/14

Technical Report for

ERM

ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

Accutest Job Number: FA15089

Sampling Date: 05/16/14

Report to:

ERM
1130 Situs Court Suite 250
Raleigh, NC 27606
gregory.kanellis@erm.com; Lane.Dorman@erm.com;
Robert.Laumann@erm.com
ATTN: Lane Dorman

Total number of pages in report: **87**

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

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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Sample Summary

ERM

Job No: FA15089

ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
FA15089-1	05/16/14	07:40	GKRM	05/17/14	AQ	Ground Water	MW-2
FA15089-1F	05/16/14	07:40	GKRM	05/17/14	AQ	Groundwater Filtered	MW-2
FA15089-2	05/16/14	10:00	GKRM	05/17/14	AQ	Ground Water	MW-8
FA15089-3	05/16/14	10:50	GKRM	05/17/14	AQ	Ground Water	MW-5
FA15089-3F	05/16/14	10:50	GKRM	05/17/14	AQ	Groundwater Filtered	MW-5
FA15089-4	05/16/14	11:55	GKRM	05/17/14	AQ	Ground Water	MW-7
FA15089-5	05/16/14	12:00	GKRM	05/17/14	AQ	Ground Water	MW-4
FA15089-6	05/16/14	14:00	GKRM	05/17/14	AQ	Ground Water	MW-6
FA15089-7	05/16/14	12:05	GKRM	05/17/14	AQ	Ground Water	DUP-1
FA15089-8	05/16/14	13:15	GKRM	05/17/14	AQ	Equipment Blank	RB-1

Summary of Hits

Job Number: FA15089
Account: ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC
Collected: 05/16/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FA15089-1	**MW-2**					
Toluene		0.22 J	1.0	0.20	ug/l	SW846 8260B
Total TIC, Volatile		69 J			ug/l	
Manganese		69.9	15	1.0	ug/l	SW846 6010C
FA15089-1F	**MW-2**					
Manganese		65.8	15	1.0	ug/l	SW846 6010C
FA15089-2	**MW-8**					
o-Xylene		0.25 J	1.0	0.20	ug/l	SW846 8260B
Total TIC, Volatile		60 J			ug/l	
Iron		12700	300	17	ug/l	SW846 6010C
Manganese		223	15	1.0	ug/l	SW846 6010C
Sulfate		48.1	2.0	0.60	mg/l	EPA 300/SW846 9056A
Total Organic Carbon		1.6	1.0	0.23	mg/l	SM5310 B-11/SW9060A
FA15089-3	**MW-5**					
Manganese		54.9	15	1.0	ug/l	SW846 6010C
FA15089-3F	**MW-5**					
Manganese		52.8	15	1.0	ug/l	SW846 6010C
FA15089-4	**MW-7**					
Xylene (total)		0.74 J	3.0	0.66	ug/l	SW846 8260B
o-Xylene		0.30 J	1.0	0.20	ug/l	SW846 8260B
Total TIC, Volatile		75 J			ug/l	
FA15089-5	**MW-4**					
Toluene		0.23 J	1.0	0.20	ug/l	SW846 8260B
Trichloroethylene		8.4	1.0	0.30	ug/l	SW846 8260B
Iron		1300	300	17	ug/l	SW846 6010C
Manganese		141	15	1.0	ug/l	SW846 6010C
Nitrogen, Nitrate		1.1	0.10	0.050	mg/l	EPA 300/SW846 9056A
Sulfate		2.0	2.0	0.60	mg/l	EPA 300/SW846 9056A
Total Organic Carbon		9.6	1.0	0.23	mg/l	SM5310 B-11/SW9060A

Summary of Hits

Job Number: FA15089
Account: ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC
Collected: 05/16/14

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FA15089-6	**MW-6**					
Iron		855	300	17	ug/l	SW846 6010C
Manganese		64.9	15	1.0	ug/l	SW846 6010C
Sulfate		7.7	2.0	0.60	mg/l	EPA 300/SW846 9056A
Total Organic Carbon		22.7	1.0	0.23	mg/l	SM5310 B-11/SW9060A
FA15089-7	**DUP-1**					
Toluene		0.26 J	1.0	0.20	ug/l	SW846 8260B
Trichloroethylene		8.9	1.0	0.30	ug/l	SW846 8260B
FA15089-8	**RB-1**					
Toluene		0.52 J	1.0	0.20	ug/l	SW846 8260B

Southeast ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	MW-2		
Lab Sample ID:	FA15089-1	**Date Sampled:**	05/16/14
Matrix:	AQ - Ground Water	**Date Received:**	05/17/14
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z25717.D	1	05/20/14	KW	n/a	n/a	VZ1005
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	101%		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-2		
Lab Sample ID:	FA15089-1	**Date Sampled:**	05/16/14
Matrix:	AQ - Ground Water	**Date Received:**	05/17/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z25872.D	1	05/23/14	KW	n/a	n/a	VZ1010
Run #2	B098636.D	1	05/27/14	DP	n/a	n/a	VB4012

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

VOA List for NC, May 2012

CAS No.	Compound	Result	RL	MDL	Units	Q
91-20-3	Naphthalene	ND [a]	5.0	1.0	ug/l	
67-64-1	Acetone	ND	25	11	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	
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	
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	
108-20-3	Di-Isopropyl ether	ND	1.0	0.23	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	

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:	FA15089-1	**Date Sampled:**	05/16/14
Matrix:	AQ - Ground Water	**Date Received:**	05/17/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC		

VOA List for NC, May 2012

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	
64-17-5	Ethyl Alcohol	ND	100	23	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	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	
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 [b]	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 [b]	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	
1330-20-7	Xylene (total)	ND	3.0	0.66	ug/l	
	m,p-Xylene	ND	2.0	0.48	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%	102%	83-118%
17060-07-0	1,2-Dichloroethane-D4	94%	101%	79-125%
2037-26-5	Toluene-D8	99%	98%	85-112%

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:	FA15089-1	**Date Sampled:**	05/16/14
Matrix:	AQ - Ground Water	**Date Received:**	05/17/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC		

VOA List for NC, May 2012

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	94%	104%	83-118%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
41934-74-1	Histidine, 4-nitro-	3.77	40	ug/l	JN
7422-82-4	Hydrazine, 1-methyl-1-(2-propynyl)-	4.87	29	ug/l	JN
	Total TIC, Volatile		69	ug/l	J

(a) Result is from Run# 2
(b) Associated Initial Calibration 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-2		
Lab Sample ID:	FA15089-1	**Date Sampled:**	05/16/14
Matrix:	AQ - Ground Water	**Date Received:**	05/17/14
		Percent Solids:	n/a
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC		

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Manganese	69.9	15	1.0	ug/l	1	05/20/14	05/20/14	LM	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA11610
(2) Prep QC Batch: MP27274

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-2		
Lab Sample ID:	FA15089-1F	**Date Sampled:**	05/16/14
Matrix:	AQ - Groundwater Filtered	**Date Received:**	05/17/14
		Percent Solids:	n/a
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC		

Dissolved Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Manganese	65.8	15	1.0	ug/l	1	05/21/14	05/21/14	LM	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA11614
(2) Prep QC Batch: MP27281

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:	FA15089-2	**Date Sampled:**	05/16/14
Matrix:	AQ - Ground Water	**Date Received:**	05/17/14
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z25718.D	1	05/20/14	KW	n/a	n/a	VZ1005
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	101%		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-8		
Lab Sample ID:	FA15089-2	**Date Sampled:**	05/16/14
Matrix:	AQ - Ground Water	**Date Received:**	05/17/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z25873.D	1	05/23/14	KW	n/a	n/a	VZ1010
Run #2	B098637.D	1	05/27/14	DP	n/a	n/a	VB4012

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

VOA List for NC, May 2012

CAS No.	Compound	Result	RL	MDL	Units	Q
91-20-3	Naphthalene	ND [a]	5.0	1.0	ug/l	
67-64-1	Acetone	ND	25	11	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	
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	
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	
108-20-3	Di-Isopropyl ether	ND	1.0	0.23	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	

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:	FA15089-2	**Date Sampled:**	05/16/14
Matrix:	AQ - Ground Water	**Date Received:**	05/17/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC		

VOA List for NC, May 2012

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	
64-17-5	Ethyl Alcohol	ND	100	23	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	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	
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	
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 [a]	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	
1330-20-7	Xylene (total)	ND	3.0	0.66	ug/l	
	m,p-Xylene	ND	2.0	0.48	ug/l	
95-47-6	o-Xylene	0.25	1.0	0.20	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%	102%	83-118%
17060-07-0	1,2-Dichloroethane-D4	95%	103%	79-125%
2037-26-5	Toluene-D8	100%	101%	85-112%
460-00-4	4-Bromofluorobenzene	96%	102%	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:	MW-8		
Lab Sample ID:	FA15089-2	**Date Sampled:**	05/16/14
Matrix:	AQ - Ground Water	**Date Received:**	05/17/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC		

VOA List for NC, May 2012

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
67-63-0	Isopropyl Alcohol	4.86	60	ug/l	JN
	Total TIC, Volatile		60	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:	MW-8		
Lab Sample ID:	FA15089-2	**Date Sampled:**	05/16/14
Matrix:	AQ - Ground Water	**Date Received:**	05/17/14
		Percent Solids:	n/a
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC		

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Iron	12700	300	17	ug/l	1	05/20/14	05/20/14	LM	SW846 6010C [1]	SW846 3010A [2]
Manganese	223	15	1.0	ug/l	1	05/20/14	05/20/14	LM	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA11610
(2) Prep QC Batch: MP27274

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:	FA15089-2	**Date Sampled:**	05/16/14
Matrix:	AQ - Ground Water	**Date Received:**	05/17/14
		Percent Solids:	n/a
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Nitrogen, Nitrate	0.050 U	0.10	0.050	mg/l	1	05/17/14 13:40	CH	EPA 300/SW846 9056A
Nitrogen, Nitrite	0.050 U	0.10	0.050	mg/l	1	05/17/14 13:40	CH	EPA 300/SW846 9056A
Sulfate	48.1	2.0	0.60	mg/l	1	05/17/14 13:40	CH	EPA 300/SW846 9056A
Sulfite [a]	1.5 U	3.0	1.5	mg/l	1	05/20/14 10:38	LE	SM4500SO3 B-11
Total Organic Carbon	1.6	1.0	0.23	mg/l	1	05/21/14 23:12	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:	FA15089-3	**Date Sampled:**	05/16/14
Matrix:	AQ - Ground Water	**Date Received:**	05/17/14
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z25719.D	1	05/20/14	KW	n/a	n/a	VZ1005
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	101%		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:	FA15089-3	**Date Sampled:**	05/16/14
Matrix:	AQ - Ground Water	**Date Received:**	05/17/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z25874.D	1	05/23/14	KW	n/a	n/a	VZ1010
Run #2	B098638.D	1	05/27/14	DP	n/a	n/a	VB4012

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

VOA List for NC, May 2012

CAS No.	Compound	Result	RL	MDL	Units	Q
91-20-3	Naphthalene	ND [a]	5.0	1.0	ug/l	
67-64-1	Acetone	ND	25	11	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	
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	
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	
108-20-3	Di-Isopropyl ether	ND	1.0	0.23	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	

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:	FA15089-3	**Date Sampled:**	05/16/14
Matrix:	AQ - Ground Water	**Date Received:**	05/17/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC		

VOA List for NC, May 2012

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	
64-17-5	Ethyl Alcohol	ND	100	23	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	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	
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	
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	
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	
1330-20-7	Xylene (total)	ND	3.0	0.66	ug/l	
	m,p-Xylene	ND	2.0	0.48	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%	103%	83-118%
17060-07-0	1,2-Dichloroethane-D4	94%	103%	79-125%
2037-26-5	Toluene-D8	101%	101%	85-112%
460-00-4	4-Bromofluorobenzene	98%	104%	83-118%

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:	FA15089-3	**Date Sampled:**	05/16/14
Matrix:	AQ - Ground Water	**Date Received:**	05/17/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC		

VOA List for NC, May 2012

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

(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:	MW-5		
Lab Sample ID:	FA15089-3	**Date Sampled:**	05/16/14
Matrix:	AQ - Ground Water	**Date Received:**	05/17/14
		Percent Solids:	n/a
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC		

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Manganese	54.9	15	1.0	ug/l	1	05/20/14	05/20/14	LM	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA11610
(2) Prep QC Batch: MP27274

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:	FA15089-3F	**Date Sampled:**	05/16/14
Matrix:	AQ - Groundwater Filtered	**Date Received:**	05/17/14
		Percent Solids:	n/a
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC		

Dissolved Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Manganese	52.8	15	1.0	ug/l	1	05/21/14	05/21/14	LM	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA11614
(2) Prep QC Batch: MP27281

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:	FA15089-4	**Date Sampled:**	05/16/14
Matrix:	AQ - Ground Water	**Date Received:**	05/17/14
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z25720.D	1	05/20/14	KW	n/a	n/a	VZ1005
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	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-7		
Lab Sample ID:	FA15089-4	**Date Sampled:**	05/16/14
Matrix:	AQ - Ground Water	**Date Received:**	05/17/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z25875.D	1	05/23/14	KW	n/a	n/a	VZ1010
Run #2	B098639.D	1	05/27/14	DP	n/a	n/a	VB4012

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

VOA List for NC, May 2012

CAS No.	Compound	Result	RL	MDL	Units	Q
91-20-3	Naphthalene	ND [a]	5.0	1.0	ug/l	
67-64-1	Acetone	ND	25	11	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	
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	
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	
108-20-3	Di-Isopropyl ether	ND	1.0	0.23	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	

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:	FA15089-4	**Date Sampled:**	05/16/14
Matrix:	AQ - Ground Water	**Date Received:**	05/17/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC		

VOA List for NC, May 2012

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	
64-17-5	Ethyl Alcohol	ND	100	23	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	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	
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	
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	
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	
1330-20-7	Xylene (total)	0.74	3.0	0.66	ug/l	J
	m,p-Xylene	ND	2.0	0.48	ug/l	
95-47-6	o-Xylene	0.30	1.0	0.20	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%	102%	83-118%
17060-07-0	1,2-Dichloroethane-D4	94%	101%	79-125%
2037-26-5	Toluene-D8	100%	102%	85-112%
460-00-4	4-Bromofluorobenzene	97%	104%	83-118%

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:	FA15089-4	**Date Sampled:**	05/16/14
Matrix:	AQ - Ground Water	**Date Received:**	05/17/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC		

VOA List for NC, May 2012

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
106-98-9	1-Butene	2.88	39	ug/l	JN
35161-70-7	n-Hexylmethylamine	3.80	36	ug/l	JN
	Total TIC, Volatile		75	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:	MW-4		
Lab Sample ID:	FA15089-5	**Date Sampled:**	05/16/14
Matrix:	AQ - Ground Water	**Date Received:**	05/17/14
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z25721.D	1	05/20/14	KW	n/a	n/a	VZ1005
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	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-4		
Lab Sample ID:	FA15089-5	**Date Sampled:**	05/16/14
Matrix:	AQ - Ground Water	**Date Received:**	05/17/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z25876.D	1	05/23/14	KW	n/a	n/a	VZ1010
Run #2	B098640.D	1	05/27/14	DP	n/a	n/a	VB4012

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

VOA List for NC, May 2012

CAS No.	Compound	Result	RL	MDL	Units	Q
91-20-3	Naphthalene	ND [a]	5.0	1.0	ug/l	
67-64-1	Acetone	ND	25	11	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	
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	
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	
108-20-3	Di-Isopropyl ether	ND	1.0	0.23	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	

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:	FA15089-5	**Date Sampled:**	05/16/14
Matrix:	AQ - Ground Water	**Date Received:**	05/17/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC		

VOA List for NC, May 2012

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	
64-17-5	Ethyl Alcohol	ND	100	23	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	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	
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	
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	
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	0.23	1.0	0.20	ug/l	J
79-01-6	Trichloroethylene	8.4	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	
1330-20-7	Xylene (total)	ND	3.0	0.66	ug/l	
	m,p-Xylene	ND	2.0	0.48	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%	103%	83-118%
17060-07-0	1,2-Dichloroethane-D4	94%	102%	79-125%
2037-26-5	Toluene-D8	100%	99%	85-112%
460-00-4	4-Bromofluorobenzene	96%	103%	83-118%

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:	FA15089-5	**Date Sampled:**	05/16/14
Matrix:	AQ - Ground Water	**Date Received:**	05/17/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC		

VOA List for NC, May 2012

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

(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:	MW-4		
Lab Sample ID:	FA15089-5	**Date Sampled:**	05/16/14
Matrix:	AQ - Ground Water	**Date Received:**	05/17/14
		Percent Solids:	n/a
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC		

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Iron	1300	300	17	ug/l	1	05/20/14	05/20/14	LM	SW846 6010C [1]	SW846 3010A [2]
Manganese	141	15	1.0	ug/l	1	05/20/14	05/20/14	LM	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA11610
(2) Prep QC Batch: MP27274

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:	FA15089-5	**Date Sampled:**	05/16/14
Matrix:	AQ - Ground Water	**Date Received:**	05/17/14
		Percent Solids:	n/a
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Nitrogen, Nitrate	1.1	0.10	0.050	mg/l	1	05/17/14 13:57	CH	EPA 300/SW846 9056A
Nitrogen, Nitrite	0.050 U	0.10	0.050	mg/l	1	05/17/14 13:57	CH	EPA 300/SW846 9056A
Sulfate	2.0	2.0	0.60	mg/l	1	05/17/14 13:57	CH	EPA 300/SW846 9056A
Sulfite [a]	1.5 U	3.0	1.5	mg/l	1	05/20/14 10:38	LE	SM4500SO3 B-11
Total Organic Carbon	9.6	1.0	0.23	mg/l	1	05/21/14 23:27	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-6		
Lab Sample ID:	FA15089-6	**Date Sampled:**	05/16/14
Matrix:	AQ - Ground Water	**Date Received:**	05/17/14
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z25722.D	1	05/20/14	KW	n/a	n/a	VZ1005
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	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-6		
Lab Sample ID:	FA15089-6	**Date Sampled:**	05/16/14
Matrix:	AQ - Ground Water	**Date Received:**	05/17/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z25877.D	1	05/23/14	KW	n/a	n/a	VZ1010
Run #2	B098641.D	1	05/27/14	DP	n/a	n/a	VB4012

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

VOA List for NC, May 2012

CAS No.	Compound	Result	RL	MDL	Units	Q
91-20-3	Naphthalene	ND [a]	5.0	1.0	ug/l	
67-64-1	Acetone	ND	25	11	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	
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	
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	
108-20-3	Di-Isopropyl ether	ND	1.0	0.23	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	

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:	FA15089-6	**Date Sampled:**	05/16/14
Matrix:	AQ - Ground Water	**Date Received:**	05/17/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC		

VOA List for NC, May 2012

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	
64-17-5	Ethyl Alcohol	ND	100	23	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	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	
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	
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 [b]	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 [a]	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	
1330-20-7	Xylene (total)	ND	3.0	0.66	ug/l	
	m,p-Xylene	ND	2.0	0.48	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%	103%	83-118%
17060-07-0	1,2-Dichloroethane-D4	93%	101%	79-125%
2037-26-5	Toluene-D8	100%	103%	85-112%
460-00-4	4-Bromofluorobenzene	96%	102%	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:	MW-6		
Lab Sample ID:	FA15089-6	**Date Sampled:**	05/16/14
Matrix:	AQ - Ground Water	**Date Received:**	05/17/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC		

VOA List for NC, May 2012

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

(a) Result is from Run# 2
(b) Associated Initial Calibration outside control limits.
(c) 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-6		
Lab Sample ID:	FA15089-6	**Date Sampled:**	05/16/14
Matrix:	AQ - Ground Water	**Date Received:**	05/17/14
		Percent Solids:	n/a
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC		

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Iron	855	300	17	ug/l	1	05/20/14	05/20/14	LM	SW846 6010C [1]	SW846 3010A [2]
Manganese	64.9	15	1.0	ug/l	1	05/20/14	05/20/14	LM	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA11610
(2) Prep QC Batch: MP27274

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:	FA15089-6	**Date Sampled:**	05/16/14
Matrix:	AQ - Ground Water	**Date Received:**	05/17/14
		Percent Solids:	n/a
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Nitrogen, Nitrate	0.050 U	0.10	0.050	mg/l	1	05/17/14 14:14	CH	EPA 300/SW846 9056A
Nitrogen, Nitrite	0.050 U	0.10	0.050	mg/l	1	05/17/14 14:14	CH	EPA 300/SW846 9056A
Sulfate	7.7	2.0	0.60	mg/l	1	05/17/14 14:14	CH	EPA 300/SW846 9056A
Sulfite [a]	1.5 U	3.0	1.5	mg/l	1	05/20/14 10:38	LE	SM4500SO3 B-11
Total Organic Carbon	22.7	1.0	0.23	mg/l	1	05/21/14 23:44	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:	FA15089-7	**Date Sampled:**	05/16/14
Matrix:	AQ - Ground Water	**Date Received:**	05/17/14
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z25723.D	1	05/20/14	KW	n/a	n/a	VZ1005
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	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:	DUP-1		
Lab Sample ID:	FA15089-7	**Date Sampled:**	05/16/14
Matrix:	AQ - Ground Water	**Date Received:**	05/17/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z25878.D	1	05/23/14	KW	n/a	n/a	VZ1010
Run #2	B098642.D	1	05/27/14	DP	n/a	n/a	VB4012

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

VOA List for NC, May 2012

CAS No.	Compound	Result	RL	MDL	Units	Q
91-20-3	Naphthalene	ND [a]	5.0	1.0	ug/l	
67-64-1	Acetone	ND	25	11	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	
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	
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	
108-20-3	Di-Isopropyl ether	ND	1.0	0.23	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	

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:	FA15089-7	**Date Sampled:**	05/16/14
Matrix:	AQ - Ground Water	**Date Received:**	05/17/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC		

VOA List for NC, May 2012

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	
64-17-5	Ethyl Alcohol	ND	100	23	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	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	
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	
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 [a]	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	0.26	1.0	0.20	ug/l	J
79-01-6	Trichloroethylene	8.9	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	ND	10	2.0	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.66	ug/l	
	m,p-Xylene	ND	2.0	0.48	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%	103%	83-118%
17060-07-0	1,2-Dichloroethane-D4	95%	101%	79-125%
2037-26-5	Toluene-D8	101%	102%	85-112%
460-00-4	4-Bromofluorobenzene	95%	101%	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:	DUP-1		
Lab Sample ID:	FA15089-7	**Date Sampled:**	05/16/14
Matrix:	AQ - Ground Water	**Date Received:**	05/17/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC		

VOA List for NC, May 2012

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

(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:	RB-1		
Lab Sample ID:	FA15089-8	**Date Sampled:**	05/16/14
Matrix:	AQ - Equipment Blank	**Date Received:**	05/17/14
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z25724.D	1	05/20/14	KW	n/a	n/a	VZ1005
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	101%		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:	RB-1		
Lab Sample ID:	FA15089-8	**Date Sampled:**	05/16/14
Matrix:	AQ - Equipment Blank	**Date Received:**	05/17/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z25879.D	1	05/23/14	KW	n/a	n/a	VZ1010
Run #2	B098643.D	1	05/27/14	DP	n/a	n/a	VB4012

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

VOA List for NC, May 2012

CAS No.	Compound	Result	RL	MDL	Units	Q
91-20-3	Naphthalene	ND [a]	5.0	1.0	ug/l	
67-64-1	Acetone	ND	25	11	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	
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	
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	
108-20-3	Di-Isopropyl ether	ND	1.0	0.23	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	

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:	FA15089-8	**Date Sampled:**	05/16/14
Matrix:	AQ - Equipment Blank	**Date Received:**	05/17/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC		

VOA List for NC, May 2012

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	
64-17-5	Ethyl Alcohol	ND	100	23	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	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	
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	
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 [a]	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	0.52	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	
1330-20-7	Xylene (total)	ND	3.0	0.66	ug/l	
	m,p-Xylene	ND	2.0	0.48	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%	102%	83-118%
17060-07-0	1,2-Dichloroethane-D4	94%	101%	79-125%
2037-26-5	Toluene-D8	100%	101%	85-112%
460-00-4	4-Bromofluorobenzene	97%	99%	83-118%

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:	FA15089-8	**Date Sampled:**	05/16/14
Matrix:	AQ - Equipment Blank	**Date Received:**	05/17/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC		

VOA List for NC, May 2012

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

(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

Southeast ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Certification Exceptions
- Chain of Custody

Parameter Certification Exceptions

Job Number: FA15089
Account: ERMNCR ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

The following parameters included in this report are exceptions to NELAC certification.
The certification status of each is indicated below.

Parameter	CAS#	Method	Mat	Certification Status
Di-Isopropyl ether	108-20-3	**SW846 8260B**	AQ	Certified by SOP MS005

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 # FA15089 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: E-mail: Lane.Dorman@erm.com
Phone#: 919-233-4501
Sampler(s) Name(s) (Printed): G. Kamellis / R. Mayette

Project Information

Project Name: ECI Elm Whitsett
Street: 1239 Rock Creek Dairy Rd.
City: Whitsett 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	Total Mn	Dissolved Mn (Field Filtered)	Sulfate, Sulfite, nitrate, nitrite	Total Fe, Mn	TOC
1	MW-2	5/16/14	0940	GK	GW	8			6		2					X	X	X	X			
2	MW-8		1000	RM		10		1	8		1					X	X			X	X	X
3	MW-5		1050	GK		8			6		2					X	X	X	X			
4	MW-7		1155	RM		6			6							X	X					
5	MW-4		1200	GK		10		1	8		1					X	X			X	X	X
6	MW-6		1400	GK		10		1	8		1					X	X			X	X	X
7	Dup-1		1205	GK		6			6							X	X					
8	RB-1		1315	GK	WW	6			6							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

Comments / Remarks

short hold

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]	5/16/14 1530	2 Brent Bader	3 Brent Bader	5/16/14 1604	4 FX
Relinquished by: 5 FX	Date Time: 5-17-14	Received By: 6 J. Compe (ALSE) 09:45	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: 1 Cooler Temperature (s) Celsius: 3.2

4.2 4

FA15089: Chain of Custody
Page 1 of 3

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: FA15089 CLIENT: ERM PROJECT: EC1

DATE/TIME RECEIVED: 5-17-14 09:45 {MM/DD/YY 24:00} NUMBER OF COOLERS RECEIVED: 1

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

AIRBILL NUMBERS: 8047 2600 3863

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: 2.8
- [ ] CORRECTED TEMPS: 3.2

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
- [ ] 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 KC 5-17-14 REVIEWER SIGNATURE/DATE

RS 04/14 receipt confirmation 041514.xls

4.2

4

FA15089: Chain of Custody
Page 2 of 3

ORIGIN ID:MXEA

SHIP DATE: 16MAY14
ACTWGT: 44.1 LB
CAD: /POS1501
DIMS: 17x14x12 IN

BILL RECIPIENT

UNITED STATES US

TO SUPPLY RECV
ACCUTEST LABORATORIES SE, INC
4405 VINELAND RD
STE C15
ORLANDO FL 32811
(407) 425-6700

INV:
PO:
REF:
DEPT:

FedEx Express

1 of 2

TRK# 0215 8047 2600 3863

MASTER

XO TIXA

SATURDAY 12:00P
PRIORITY OVERNIGHT

32811
FL-US MCO

FA15089: 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: FA15089
Account: ERMNCR ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VZ1005-MB	Z25706.D	1	05/20/14	KW	n/a	n/a	VZ1005

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

FA15089-1, FA15089-2, FA15089-3, FA15089-4, FA15089-5, FA15089-6, FA15089-7, FA15089-8

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: FA15089
Account: ERMNCR ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VZ1010-MB	Z25857.D	1	05/23/14	KW	n/a	n/a	VZ1010

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

FA15089-1, FA15089-2, FA15089-3, FA15089-4, FA15089-5, FA15089-6, FA15089-7, FA15089-8

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	
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	
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	
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	
108-20-3	Di-Isopropyl ether	ND	1.0	0.23	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	
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	
64-17-5	Ethyl Alcohol	ND	100	23	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	

Method Blank Summary

Job Number: FA15089
Account: ERMNCR ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VZ1010-MB	Z25857.D	1	05/23/14	KW	n/a	n/a	VZ1010

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

FA15089-1, FA15089-2, FA15089-3, FA15089-4, FA15089-5, FA15089-6, FA15089-7, FA15089-8

CAS No.	Compound	Result	RL	MDL	Units	Q
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	
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	1.1	5.0	1.0	ug/l	J
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	1.2	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	
1330-20-7	Xylene (total)	ND	3.0	0.66	ug/l	
	m,p-Xylene	ND	2.0	0.48	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	100%	83-118%
17060-07-0	1,2-Dichloroethane-D4	96%	79-125%
2037-26-5	Toluene-D8	99%	85-112%

Method Blank Summary

Job Number: FA15089
Account: ERMNCR ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VZ1010-MB	Z25857.D	1	05/23/14	KW	n/a	n/a	VZ1010

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

FA15089-1, FA15089-2, FA15089-3, FA15089-4, FA15089-5, FA15089-6, FA15089-7, FA15089-8

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	94%	83-118%

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

(a) No TICs detected.

Method Blank Summary

Job Number: FA15089
Account: ERMNCR ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB4012-MB	B098633.D	1	05/27/14	DP	n/a	n/a	VB4012

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

FA15089-1, FA15089-2, FA15089-3, FA15089-4, FA15089-5, FA15089-6, FA15089-7, FA15089-8

CAS No.	Compound	Result	RL	MDL	Units	Q
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	105%	83-118%
17060-07-0	1,2-Dichloroethane-D4	108%	79-125%
2037-26-5	Toluene-D8	101%	85-112%
460-00-4	4-Bromofluorobenzene	101%	83-118%

Blank Spike Summary

Job Number: FA15089
Account: ERMNCR ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VZ1005-BS	Z25705.D	1	05/20/14	KW	n/a	n/a	VZ1005

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

FA15089-1, FA15089-2, FA15089-3, FA15089-4, FA15089-5, FA15089-6, FA15089-7, FA15089-8

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
123-91-1	1,4-Dioxane	50	43.0	86	65-121

CAS No.	Surrogate Recoveries	BSP	Limits
17060-07-0	1,2-Dichloroethane-D4	99%	74-125%
2037-26-5	Toluene-D8	100%	88-111%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA15089
Account: ERMNCR ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VZ1010-BS	Z25856.D	1	05/23/14	KW	n/a	n/a	VZ1010

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

FA15089-1, FA15089-2, FA15089-3, FA15089-4, FA15089-5, FA15089-6, FA15089-7, FA15089-8

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	106	85	50-147
71-43-2	Benzene	25	26.7	107	81-122
108-86-1	Bromobenzene	25	26.1	104	80-121
74-97-5	Bromochloromethane	25	26.1	104	76-123
75-27-4	Bromodichloromethane	25	25.5	102	79-123
75-25-2	Bromoform	25	22.6	90	66-123
104-51-8	n-Butylbenzene	25	25.9	104	79-126
135-98-8	sec-Butylbenzene	25	29.8	119	83-133
98-06-6	tert-Butylbenzene	25	29.4	118	80-133
108-90-7	Chlorobenzene	25	28.7	115	82-124
75-00-3	Chloroethane	25	25.8	103	62-144
67-66-3	Chloroform	25	26.5	106	80-124
95-49-8	o-Chlorotoluene	25	28.1	112	81-127
106-43-4	p-Chlorotoluene	25	29.7	119	83-130
56-23-5	Carbon tetrachloride	25	27.8	111	76-136
75-34-3	1,1-Dichloroethane	25	27.4	110	81-122
75-35-4	1,1-Dichloroethylene	25	30.3	121	78-137
563-58-6	1,1-Dichloropropene	25	29.8	119	79-131
106-93-4	1,2-Dibromoethane	25	26.7	107	75-120
107-06-2	1,2-Dichloroethane	25	26.8	107	75-125
78-87-5	1,2-Dichloropropane	25	27.0	108	76-124
142-28-9	1,3-Dichloropropane	25	26.1	104	80-118
108-20-3	Di-Isopropyl ether	25	26.4	106	68-123
594-20-7	2,2-Dichloropropane	25	29.0	116	74-139
124-48-1	Dibromochloromethane	25	26.4	106	78-122
75-71-8	Dichlorodifluoromethane	25	27.5	110	42-167
156-59-2	cis-1,2-Dichloroethylene	25	25.4	102	78-120
10061-01-5	cis-1,3-Dichloropropene	25	24.9	100	75-118
541-73-1	m-Dichlorobenzene	25	28.5	114	84-125
95-50-1	o-Dichlorobenzene	25	27.3	109	82-124
106-46-7	p-Dichlorobenzene	25	25.7	103	78-120
156-60-5	trans-1,2-Dichloroethylene	25	27.7	111	76-127
10061-02-6	trans-1,3-Dichloropropene	25	26.9	108	80-120
100-41-4	Ethylbenzene	25	26.5	106	81-121
64-17-5	Ethyl Alcohol	500	441	88	46-145
591-78-6	2-Hexanone	125	97.5	78	61-129

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA15089
Account: ERMNCR ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VZ1010-BS	Z25856.D	1	05/23/14	KW	n/a	n/a	VZ1010

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

FA15089-1, FA15089-2, FA15089-3, FA15089-4, FA15089-5, FA15089-6, FA15089-7, FA15089-8

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
98-82-8	Isopropylbenzene	25	28.6	114	83-132
99-87-6	p-Isopropyltoluene	25	29.2	117	79-130
108-10-1	4-Methyl-2-pentanone	125	121	97	66-122
74-83-9	Methyl bromide	25	28.5	114	59-143
74-87-3	Methyl chloride	25	26.5	106	50-159
75-09-2	Methylene chloride	25	25.5	102	69-135
78-93-3	Methyl ethyl ketone	125	93.8	75	56-143
1634-04-4	Methyl Tert Butyl Ether	25	25.5	102	72-117
91-20-3	Naphthalene	25	30.4	122	63-132
103-65-1	n-Propylbenzene	25	29.9	120	82-133
100-42-5	Styrene	25	25.2	101	78-119
630-20-6	1,1,1,2-Tetrachloroethane	25	27.4	110	77-122
71-55-6	1,1,1-Trichloroethane	25	29.5	118	75-130
79-34-5	1,1,2,2-Tetrachloroethane	25	24.6	98	72-120
79-00-5	1,1,2-Trichloroethane	25	25.6	102	76-119
87-61-6	1,2,3-Trichlorobenzene	25	31.7	127	68-131
96-18-4	1,2,3-Trichloropropane	25	25.2	101	77-120
120-82-1	1,2,4-Trichlorobenzene	25	27.3	109	73-129
95-63-6	1,2,4-Trimethylbenzene	25	26.7	107	79-120
108-67-8	1,3,5-Trimethylbenzene	25	27.1	108	79-120
127-18-4	Tetrachloroethylene	25	28.9	116	76-135
108-88-3	Toluene	25	27.0	108	80-120
79-01-6	Trichloroethylene	25	27.8	111	81-126
75-69-4	Trichlorofluoromethane	25	29.2	117	71-156
75-01-4	Vinyl chloride	25	29.2	117	69-159
108-05-4	Vinyl Acetate	125	145	116	43-154
1330-20-7	Xylene (total)	75	82.4	110	80-126
	m,p-Xylene	50	54.6	109	79-126
95-47-6	o-Xylene	25	27.8	111	80-127

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	102%	83-118%
17060-07-0	1,2-Dichloroethane-D4	98%	79-125%
2037-26-5	Toluene-D8	98%	85-112%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA15089
Account: ERMNCR ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VZ1010-BS	Z25856.D	1	05/23/14	KW	n/a	n/a	VZ1010

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

FA15089-1, FA15089-2, FA15089-3, FA15089-4, FA15089-5, FA15089-6, FA15089-7, FA15089-8

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	95%	83-118%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA15089
Account: ERMNCR ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB4012-BS	B098631.D	1	05/27/14	DP	n/a	n/a	VB4012

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

FA15089-1, FA15089-2, FA15089-3, FA15089-4, FA15089-5, FA15089-6, FA15089-7, FA15089-8

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
91-20-3	Naphthalene	25	26.3	105	63-132
87-61-6	1,2,3-Trichlorobenzene	25	27.6	110	68-131
120-82-1	1,2,4-Trichlorobenzene	25	27.8	111	73-129

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	106%	83-118%
17060-07-0	1,2-Dichloroethane-D4	110%	79-125%
2037-26-5	Toluene-D8	100%	85-112%
460-00-4	4-Bromofluorobenzene	105%	83-118%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA15089
Account: ERMNCR ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA14985-1MS	Z25725.D	1	05/20/14	KW	n/a	n/a	VZ1005
FA14985-1MSD	Z25726.D	1	05/20/14	KW	n/a	n/a	VZ1005
FA14985-1	Z25716.D	1	05/20/14	KW	n/a	n/a	VZ1005

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

FA15089-1, FA15089-2, FA15089-3, FA15089-4, FA15089-5, FA15089-6, FA15089-7, FA15089-8

CAS No.	Compound	FA14985-1 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	24.5		50	67.3	86	50	70.6	92	5	65-121/27

CAS No.	Surrogate Recoveries	MS	MSD	FA14985-1	Limits
17060-07-0	1,2-Dichloroethane-D4	101%	100%	102%	74-125%
2037-26-5	Toluene-D8	100%	100%	100%	88-111%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA15089
Account: ERMNCR ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA14978-2MS	Z25863.D	20	05/23/14	KW	n/a	n/a	VZ1010
FA14978-2MSD	Z25864.D	20	05/23/14	KW	n/a	n/a	VZ1010
FA14978-2 [a]	Z25862.D	20	05/23/14	KW	n/a	n/a	VZ1010

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

FA15089-1, FA15089-2, FA15089-3, FA15089-4, FA15089-5, FA15089-6, FA15089-7, FA15089-8

CAS No.	Compound	FA14978-2 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	500 U		2500	1420	57	2500	1490	60	5	50-147/21
71-43-2	Benzene	14.1	J	500	552	108	500	549	107	1	81-122/14
108-86-1	Bromobenzene	20 U		500	520	104	500	517	103	1	80-121/14
74-97-5	Bromochloromethane	20 U		500	531	106	500	531	106	0	76-123/14
75-27-4	Bromodichloromethane	20 U		500	513	103	500	480	96	7	79-123/19
75-25-2	Bromoform	20 U		500	433	87	500	437	87	1	66-123/21
104-51-8	n-Butylbenzene	20 U		500	514	103	500	512	102	0	79-126/16
135-98-8	sec-Butylbenzene	20 U		500	595	119	500	589	118	1	83-133/16
98-06-6	tert-Butylbenzene	20 U		500	580	116	500	569	114	2	80-133/16
108-90-7	Chlorobenzene	297		500	876	116	500	877	116	0	82-124/14
75-00-3	Chloroethane	40 U		500	517	103	500	494	99	5	62-144/20
67-66-3	Chloroform	20 U		500	535	107	500	536	107	0	80-124/15
95-49-8	o-Chlorotoluene	20 U		500	561	112	500	551	110	2	81-127/15
106-43-4	p-Chlorotoluene	20 U		500	594	119	500	583	117	2	83-130/15
56-23-5	Carbon tetrachloride	20 U		500	554	111	500	520	104	6	76-136/23
75-34-3	1,1-Dichloroethane	20 U		500	551	110	500	542	108	2	81-122/15
75-35-4	1,1-Dichloroethylene	20 U		500	594	119	500	586	117	1	78-137/18
563-58-6	1,1-Dichloropropene	20 U		500	594	119	500	587	117	1	79-131/16
106-93-4	1,2-Dibromoethane	20 U		500	539	108	500	555	111	3	75-120/13
107-06-2	1,2-Dichloroethane	20 U		500	538	108	500	536	107	0	75-125/14
78-87-5	1,2-Dichloropropane	20 U		500	532	106	500	530	106	0	76-124/14
142-28-9	1,3-Dichloropropane	20 U		500	535	107	500	542	108	1	80-118/13
108-20-3	Di-Isopropyl ether	20 U		500	525	105	500	521	104	1	68-123/16
594-20-7	2,2-Dichloropropane	20 U		500	554	111	500	534	107	4	74-139/17
124-48-1	Dibromochloromethane	20 U		500	528	106	500	515	103	2	78-122/19
75-71-8	Dichlorodifluoromethane	40 U		500	529	106	500	535	107	1	42-167/19
156-59-2	cis-1,2-Dichloroethylene	43.1		500	563	104	500	561	104	0	78-120/15
10061-01-5	cis-1,3-Dichloropropene	20 U		500	496	99	500	451	90	10	75-118/23
541-73-1	m-Dichlorobenzene	20 U		500	567	113	500	574	115	1	84-125/14
95-50-1	o-Dichlorobenzene	53.7		500	618	113	500	626	114	1	82-124/14
106-46-7	p-Dichlorobenzene	9.4	J	500	530	104	500	534	105	1	78-120/15
156-60-5	trans-1,2-Dichloroethylene	20 U		500	558	112	500	535	107	4	76-127/17
10061-02-6	trans-1,3-Dichloropropene	20 U		500	529	106	500	518	104	2	80-120/22
100-41-4	Ethylbenzene	70.4		500	597	105	500	600	106	1	81-121/14
64-17-5	Ethyl Alcohol	2000 U		10000	9670	97	10000	9550	96	1	46-145/30
591-78-6	2-Hexanone	200 U		2500	1750	70	2500	1930	77	10	61-129/18

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA15089
Account: ERMNCR ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA14978-2MS	Z25863.D	20	05/23/14	KW	n/a	n/a	VZ1010
FA14978-2MSD	Z25864.D	20	05/23/14	KW	n/a	n/a	VZ1010
FA14978-2 [a]	Z25862.D	20	05/23/14	KW	n/a	n/a	VZ1010

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

FA15089-1, FA15089-2, FA15089-3, FA15089-4, FA15089-5, FA15089-6, FA15089-7, FA15089-8

CAS No.	Compound	FA14978-2 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
98-82-8	Isopropylbenzene	4.9	J	500	583	116	500	581	115	0	83-132/15
99-87-6	p-Isopropyltoluene	20 U		500	587	117	500	584	117	1	79-130/16
108-10-1	4-Methyl-2-pentanone	100 U		2500	2500	100	2500	2700	108	8	66-122/16
74-83-9	Methyl bromide	40 U		500	573	115	500	561	112	2	59-143/19
74-87-3	Methyl chloride	40 U		500	534	107	500	530	106	1	50-159/19
75-09-2	Methylene chloride	100 U		500	529	106	500	510	102	4	69-135/16
78-93-3	Methyl ethyl ketone	44.9	J	2500	1630	63	2500	1730	67	6	56-143/18
1634-04-4	Methyl Tert Butyl Ether	20 U		500	498	100	500	505	101	1	72-117/14
91-20-3	Naphthalene	100 U		500	599	120	500	668	134*	11	63-132/25
103-65-1	n-Propylbenzene	10.7	J	500	598	117	500	590	116	1	82-133/15
100-42-5	Styrene	20 U		500	511	102	500	512	102	0	78-119/23
630-20-6	1,1,1,2-Tetrachloroethane	20 U		500	550	110	500	556	111	1	77-122/19
71-55-6	1,1,1-Trichloroethane	20 U		500	577	115	500	569	114	1	75-130/16
79-34-5	1,1,2,2-Tetrachloroethane	20 U		500	503	101	500	523	105	4	72-120/14
79-00-5	1,1,2-Trichloroethane	20 U		500	541	108	500	537	107	1	76-119/14
87-61-6	1,2,3-Trichlorobenzene	20 U		500	576	115	500	648	130	12	68-131/25
96-18-4	1,2,3-Trichloropropane	40 U		500	506	101	500	532	106	5	77-120/16
120-82-1	1,2,4-Trichlorobenzene	20 U		500	510	102	500	550	110	8	73-129/20
95-63-6	1,2,4-Trimethylbenzene	102		500	632	106	500	622	104	2	79-120/18
108-67-8	1,3,5-Trimethylbenzene	40.2		500	577	107	500	569	106	1	79-120/19
127-18-4	Tetrachloroethylene	20 U		500	553	111	500	549	110	1	76-135/16
108-88-3	Toluene	2150	E	500	2660	102	500	2670	104	0	80-120/14
79-01-6	Trichloroethylene	20 U		500	558	112	500	548	110	2	81-126/15
75-69-4	Trichlorofluoromethane	40 U		500	562	112	500	544	109	3	71-156/21
75-01-4	Vinyl chloride	28.7		500	579	110	500	584	111	1	69-159/18
108-05-4	Vinyl Acetate	200 U		2500	2850	114	2500	2920	117	2	43-154/14
1330-20-7	Xylene (total)	296		1500	1940	110	1500	1950	110	1	80-126/15
	m,p-Xylene	205		1000	1290	109	1000	1290	109	0	79-126/15
95-47-6	o-Xylene	91.1		500	649	112	500	657	113	1	80-127/14

CAS No.	Surrogate Recoveries	MS	MSD	FA14978-2	Limits
1868-53-7	Dibromofluoromethane	104%	103%	103%	83-118%
17060-07-0	1,2-Dichloroethane-D4	95%	95%	95%	79-125%
2037-26-5	Toluene-D8	98%	99%	98%	85-112%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA15089
Account: ERMNCR ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA14978-2MS	Z25863.D	20	05/23/14	KW	n/a	n/a	VZ1010
FA14978-2MSD	Z25864.D	20	05/23/14	KW	n/a	n/a	VZ1010
FA14978-2 [a]	Z25862.D	20	05/23/14	KW	n/a	n/a	VZ1010

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

FA15089-1, FA15089-2, FA15089-3, FA15089-4, FA15089-5, FA15089-6, FA15089-7, FA15089-8

CAS No.	Surrogate Recoveries	MS	MSD	FA14978-2	Limits
460-00-4	4-Bromofluorobenzene	90%	91%	93%	83-118%

(a) Sample was not preserved to a pH < 2; reported results are considered minimum values.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA15089
Account: ERMNCR ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA14985-1MS	B098654.D	1	05/27/14	DP	n/a	n/a	VB4012
FA14985-1MSD	B098655.D	1	05/27/14	DP	n/a	n/a	VB4012
FA14985-1	B098644.D	1	05/27/14	DP	n/a	n/a	VB4012

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

FA15089-1, FA15089-2, FA15089-3, FA15089-4, FA15089-5, FA15089-6, FA15089-7, FA15089-8

CAS No.	Compound	FA14985-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
91-20-3	Naphthalene	5.0	U	25	23.4	94	25	24.3	97	4	63-132/25
87-61-6	1,2,3-Trichlorobenzene	1.0	U	25	23.6	94	25	25.3	101	7	68-131/25
120-82-1	1,2,4-Trichlorobenzene	1.0	U	25	25.4	102	25	25.6	102	1	73-129/20

CAS No.	Surrogate Recoveries	MS	MSD	FA14985-1	Limits
1868-53-7	Dibromofluoromethane	101%	104%	102%	83-118%
17060-07-0	1,2-Dichloroethane-D4	100%	103%	99%	79-125%
2037-26-5	Toluene-D8	97%	102%	98%	85-112%
460-00-4	4-Bromofluorobenzene	105%	105%	101%	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: FA15089
Account: ERMNCR - ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

QC Batch ID: MP27274
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 05/20/14

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	-6.4	<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 MP27274: FA15089-1, FA15089-2, FA15089-3, FA15089-5, FA15089-6

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: FA15089
Account: ERMNCR - ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

QC Batch ID: MP27274
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:			05/20/14					05/20/14	
Metal	FA14940-1 Original	DUP	RPD	QC Limits	FA14940-1 Original	MS	Spikelot MPFLICP2	% Rec	QC Limits
Aluminum									
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Cadmium	anr								
Calcium									
Chromium	anr								
Cobalt									
Copper									
Iron	386	381	1.3	0-20	386	28600	26000	108.5	80-120
Lead	anr								
Magnesium									
Manganese	2300	2310	0.4	0-20	2300	2780	500	96.0	80-120
Molybdenum									
Nickel									
Potassium									
Selenium									
Silver									
Sodium	anr								
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc									

Associated samples MP27274: FA15089-1, FA15089-2, FA15089-3, FA15089-5, FA15089-6

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

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA15089
Account: ERMNCR - ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

QC Batch ID: MP27274 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 05/20/14

Metal	FA14940-1 Original	MSD	Spikelot MPFLICP2	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony	anr					
Arsenic	anr					
Barium	anr					
Beryllium	anr					
Cadmium	anr					
Calcium						
Chromium	anr					
Cobalt						
Copper						
Iron	386	28700	26000	108.9	0.3	20
Lead	anr					
Magnesium						
Manganese	2300	2810	500	102.0	1.1	20
Molybdenum						
Nickel						
Potassium						
Selenium						
Silver						
Sodium	anr					
Strontium						
Thallium						
Tin						
Titanium						
Vanadium						
Zinc						

Associated samples MP27274: FA15089-1, FA15089-2, FA15089-3, FA15089-5, FA15089-6

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

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA15089
Account: ERMNCR - ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

QC Batch ID: MP27274
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 05/20/14

Metal	BSP Result	Spikelot MPFLICP2	% Rec	QC Limits
Aluminum				
Antimony	anr			
Arsenic	anr			
Barium	anr			
Beryllium	anr			
Cadmium	anr			
Calcium				
Chromium	anr			
Cobalt				
Copper				
Iron	28500	26000	109.6	80-120
Lead	anr			
Magnesium				
Manganese	562	500	112.4	80-120
Molybdenum				
Nickel				
Potassium				
Selenium				
Silver				
Sodium	anr			
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP27274: FA15089-1, FA15089-2, FA15089-3, FA15089-5, FA15089-6

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

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA15089
Account: ERMNCR - ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

QC Batch ID: MP27274
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 05/20/14

Metal	FA14940-1 Original	SDL 1:5	%DIF	QC Limits
Aluminum				
Antimony	anr			
Arsenic	anr			
Barium	anr			
Beryllium	anr			
Cadmium	anr			
Calcium				
Chromium	anr			
Cobalt				
Copper				
Iron	386	319	17.6 (a)	0-10
Lead	anr			
Magnesium				
Manganese	2300	2320	0.9	0-10
Molybdenum				
Nickel				
Potassium				
Selenium				
Silver				
Sodium	anr			
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP27274: FA15089-1, FA15089-2, FA15089-3, FA15089-5, FA15089-6

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: FA15089
Account: ERMNCR - ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

QC Batch ID: MP27274
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 05/20/14

Metal	Sample ml	Final ml	FA14940-1 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	386.3	378.574	3548	0.2	150	3000	105.6	80-120
Lead										
Magnesium										
Manganese	9.8	10	2303	2256.94	2310	0.2	2.5	50	106.1	80-120
Molybdenum										
Nickel										
Potassium										
Selenium										
Silver										
Sodium										
Strontium										
Thallium										
Tin										
Titanium										
Vanadium										
Zinc										

Associated samples MP27274: FA15089-1, FA15089-2, FA15089-3, FA15089-5, FA15089-6

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

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA15089
Account: ERMNCR - ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

QC Batch ID: MP27281
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Metal	RL	IDL	MDL	MB raw	final	MB raw	final
Prep Date:					05/21/14		05/21/14
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				
Lead	5.0	1.1	1.1				
Magnesium	5000	50	56				
Manganese	15	.5	1	0.0	<15	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 MP27281: FA15089-1F, FA15089-3F

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: FA15089
Account: ERMNCR - ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

QC Batch ID: MP27281
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:	05/21/14							05/21/14	
Metal	FA14961-2 Original	DUP	RPD	QC Limits	FA14961-2 Original	MS	Spikelot MPFLICP2	% Rec	QC Limits
Aluminum	anr								
Antimony									
Arsenic	anr								
Barium									
Beryllium									
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt									
Copper	anr								
Iron	anr								
Lead	anr								
Magnesium	anr								
Manganese	26.2	26.3	0.4	0-20	26.2	572	500	109.2	80-120
Molybdenum									
Nickel									
Potassium									
Selenium									
Silver									
Sodium	anr								
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc	anr								

Associated samples MP27281: FA15089-1F, FA15089-3F

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: FA15089
Account: ERMNCR - ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

QC Batch ID: MP27281 | Methods: SW846 6010C
Matrix Type: AQUEOUS | Units: ug/l

Prep Date: 05/21/14

Metal	FA14961-2 Original	MSD	Spikelot MPFLICP2	% Rec	MSD RPD	QC Limit
Aluminum	anr					
Antimony						
Arsenic	anr					
Barium						
Beryllium						
Cadmium	anr					
Calcium	anr					
Chromium	anr					
Cobalt						
Copper	anr					
Iron	anr					
Lead	anr					
Magnesium	anr					
Manganese	26.2	558	500	106.4	2.5	20
Molybdenum						
Nickel						
Potassium						
Selenium						
Silver						
Sodium	anr					
Strontium						
Thallium						
Tin						
Titanium						
Vanadium						
Zinc	anr					

Associated samples MP27281: FA15089-1F, FA15089-3F

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: FA15089
Account: ERMNCR - ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

QC Batch ID: MP27281
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 05/21/14

Metal	BSP Result	Spikelot MPFLICP2	% Rec	QC Limits
Aluminum	anr			
Antimony				
Arsenic	anr			
Barium				
Beryllium				
Cadmium	anr			
Calcium	anr			
Chromium	anr			
Cobalt				
Copper	anr			
Iron	anr			
Lead	anr			
Magnesium	anr			
Manganese	524	500	104.8	80-120
Molybdenum				
Nickel				
Potassium				
Selenium				
Silver				
Sodium	anr			
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc	anr			

Associated samples MP27281: FA15089-1F, FA15089-3F

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

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA15089
Account: ERMNCR - ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

QC Batch ID: MP27281
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 05/21/14

Metal	FA14961-2 Original	SDL 1:5	%DIF	QC Limits
Aluminum	anr			
Antimony				
Arsenic	anr			
Barium				
Beryllium				
Cadmium	anr			
Calcium	anr			
Chromium	anr			
Cobalt				
Copper	anr			
Iron	anr			
Lead	anr			
Magnesium	anr			
Manganese	26.2	24.1	8.0	0-10
Molybdenum				
Nickel				
Potassium				
Selenium				
Silver				
Sodium	anr			
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc	anr			

Associated samples MP27281: FA15089-1F, FA15089-3F

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

POST DIGESTATE SPIKE SUMMARY

Login Number: FA15089
Account: ERMNCR - ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

QC Batch ID: MP27281
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 05/21/14

Metal	Sample ml	Final ml	FA14961-2 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										
Lead										
Magnesium										
Manganese	9.8	10	26.2	25.676	80.1	0.2	2.5	50	108.8	80-120
Molybdenum										
Nickel										
Potassium										
Selenium										
Silver										
Sodium										
Strontium										
Thallium										
Tin										
Titanium										
Vanadium										
Zinc										

Associated samples MP27281: FA15089-1F, FA15089-3F

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: FA15089
Account: ERMNCR - ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Chloride	GP24023/GN61511	2.0	0.0	mg/l	50	50.4	100.8	90-110%
Fluoride	GP24023/GN61511	0.20	0.0	mg/l	2.5	2.43	97.2	90-110%
Nitrogen, Nitrate	GP24023/GN61511	0.10	0.0	mg/l	2.5	2.40	96.0	90-110%
Nitrogen, Nitrite	GP24023/GN61511	0.10	0.0	mg/l	2.5	2.61	104.4	90-110%
Sulfate	GP24023/GN61511	2.0	0.0	mg/l	50	50.7	101.4	90-110%
Sulfite	GN61504	3.0	0.0	mg/l	39.0	42.0	108.0	80-120%
Total Organic Carbon	GP24043/GN61535	1.0	0.0	mg/l	15	16.1	107.3	90-110%

Associated Samples:
Batch GN61504: FA15089-2, FA15089-5, FA15089-6
Batch GP24023: FA15089-2, FA15089-5, FA15089-6
Batch GP24043: FA15089-2, FA15089-5, FA15089-6
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA15089
Account: ERMNCR - ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, 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: FA15089-2, FA15089-5, FA15089-6
(*) Outside of QC limits
(a) RPD acceptable due to low duplicate and sample concentrations.

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA15089
Account: ERMNCR - ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Chloride	GP24023/GN61511	FA15089-2	mg/l	14.5	50	64.4	99.8	90-110%
Fluoride	GP24023/GN61511	FA15089-2	mg/l	0.18 B	2.5	2.4	88.8N(a)	90-110%
Nitrogen, Nitrate	GP24023/GN61511	FA15089-2	mg/l	0.050 U	2.5	2.3	92.0	90-110%
Nitrogen, Nitrite	GP24023/GN61511	FA15089-2	mg/l	0.050 U	2.5	2.5	100.0	90-110%
Sulfate	GP24023/GN61511	FA15089-2	mg/l	48.1	50	93.0	89.8N(a)	90-110%
Sulfite	GN61504	FA15089-2	mg/l	1.5 U	39.0	41.5	106.0	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 GN61504: FA15089-2, FA15089-5, FA15089-6
Batch GP24023: FA15089-2, FA15089-5, FA15089-6
Batch GP24043: FA15089-2, FA15089-5, FA15089-6
(*) 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: FA15089
Account: ERMNCR - ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MSD Result	RPD	QC Limit
Chloride	GP24023/GN61511	FA15089-2	mg/l	14.5	50	63.5	1.4	20%
Fluoride	GP24023/GN61511	FA15089-2	mg/l	0.18 B	2.5	2.4	0.0	20%
Nitrogen, Nitrate	GP24023/GN61511	FA15089-2	mg/l	0.050 U	2.5	2.3	0.0	20%
Nitrogen, Nitrite	GP24023/GN61511	FA15089-2	mg/l	0.050 U	2.5	2.4	4.1	20%
Sulfate	GP24023/GN61511	FA15089-2	mg/l	48.1	50	92.0	1.1	20%
Sulfite	GN61504	FA15089-2	mg/l	1.5 U	39.0	43.0	3.5	

Associated Samples:
Batch GN61504: FA15089-2, FA15089-5, FA15089-6
Batch GP24023: FA15089-2, FA15089-5, FA15089-6
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

Southeast ACCUTEST LABORATORIES

06/02/14

Technical Report for

ERM

ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

Accutest Job Number: FA15202

Sampling Date: 05/21/14

Report to:

ERM
1130 Situs Court Suite 250
Raleigh, NC 27606
gregory.kanellis@erm.com; Lane.Dorman@erm.com;
Robert.Laumann@erm.com
ATTN: Lane Dorman

Total number of pages in report: **65**

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

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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Sample Summary

ERM

Job No: FA15202

ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
FA15202-1	05/21/14	10:30	GK	05/22/14	SO	Soil	BG-1 @ 5.5
FA15202-2	05/21/14	10:45	GK	05/22/14	SO	Soil	BG-2 @ 3'
FA15202-3	05/21/14	11:00	GK	05/22/14	SO	Soil	BG-3 @ 3'
FA15202-4	05/21/14	11:15	GK	05/22/14	SO	Soil	BG-4 @ 4'
FA15202-5	05/21/14	11:30	GK	05/22/14	SO	Soil	BG-5 @ 2'
FA15202-6	05/21/14	11:45	GK	05/22/14	SO	Soil	BG-6 @ 3'
FA15202-7	05/21/14	12:00	GK	05/22/14	SO	Soil	BG-7 @ 3'
FA15202-8	05/21/14	14:00	GK	05/22/14	SO	Soil	WP-49 @ 3'
FA15202-9	05/21/14	15:45	GK	05/22/14	SO	Soil	WP-50 @ 4'
FA15202-10	05/21/14	15:50	GK	05/22/14	SO	Soil	WP-50 @ 12.5'
FA15202-11	05/21/14	00:00	GK	05/22/14	SO	Trip Blank Soil	TRIP BLANK-1

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

Summary of Hits

Job Number: FA15202
Account: ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC
Collected: 05/21/14

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FA15202-1	**BG-1 @ 5.5**					
Arsenic		0.77	0.52	0.10	mg/kg	SW846 6010C
Beryllium [a]		0.19 B	0.52	0.052	mg/kg	SW846 6010C
Cadmium [a]		0.057 B	0.42	0.052	mg/kg	SW846 6010C
Chromium		18.6	0.52	0.052	mg/kg	SW846 6010C
Copper [a]		38.9	2.6	0.10	mg/kg	SW846 6010C
Lead		2.5	1.0	0.084	mg/kg	SW846 6010C
Manganese		342	0.78	0.026	mg/kg	SW846 6010C
Mercury		0.0073 B	0.044	0.0044	mg/kg	SW846 7471B
Nickel		14.9	2.1	0.026	mg/kg	SW846 6010C
Silver		0.17 B	0.52	0.034	mg/kg	SW846 6010C
Zinc		34.6	1.0	0.16	mg/kg	SW846 6010C
FA15202-2	**BG-2 @ 3'**					
Arsenic		1.1	0.56	0.11	mg/kg	SW846 6010C
Beryllium [a]		0.43 B	0.56	0.056	mg/kg	SW846 6010C
Cadmium [a]		0.19 B	0.45	0.056	mg/kg	SW846 6010C
Chromium		20.6	0.56	0.056	mg/kg	SW846 6010C
Copper [a]		65.2	2.8	0.11	mg/kg	SW846 6010C
Lead		7.8	1.1	0.090	mg/kg	SW846 6010C
Manganese		311	0.85	0.028	mg/kg	SW846 6010C
Mercury		0.034 B	0.047	0.0047	mg/kg	SW846 7471B
Nickel		12.8	2.3	0.028	mg/kg	SW846 6010C
Silver		0.24 B	0.56	0.037	mg/kg	SW846 6010C
Zinc		35.2	1.1	0.17	mg/kg	SW846 6010C
FA15202-3	**BG-3 @ 3'**					
Arsenic		1.0	0.55	0.11	mg/kg	SW846 6010C
Beryllium [a]		0.47 B	0.55	0.055	mg/kg	SW846 6010C
Cadmium [a]		0.22 B	0.44	0.055	mg/kg	SW846 6010C
Chromium		21.8	0.55	0.055	mg/kg	SW846 6010C
Copper [a]		72.3	2.7	0.11	mg/kg	SW846 6010C
Lead		8.4	1.1	0.088	mg/kg	SW846 6010C
Manganese		322	0.82	0.027	mg/kg	SW846 6010C
Mercury		0.042 B	0.045	0.0045	mg/kg	SW846 7471B
Nickel		13.3	2.2	0.027	mg/kg	SW846 6010C
Silver		0.24 B	0.55	0.036	mg/kg	SW846 6010C
Zinc		37.6	1.1	0.16	mg/kg	SW846 6010C
FA15202-4	**BG-4 @ 4'**					
Arsenic		0.54	0.54	0.11	mg/kg	SW846 6010C

Summary of Hits

Job Number: FA15202
Account: ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC
Collected: 05/21/14

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Beryllium [a]		0.29 B	0.54	0.054	mg/kg	SW846 6010C
Cadmium [a]		0.11 B	0.43	0.054	mg/kg	SW846 6010C
Chromium		9.2	0.54	0.054	mg/kg	SW846 6010C
Copper [a]		40.1	2.7	0.11	mg/kg	SW846 6010C
Lead		4.2	1.1	0.087	mg/kg	SW846 6010C
Manganese		363	0.82	0.027	mg/kg	SW846 6010C
Mercury		0.0056 B	0.047	0.0047	mg/kg	SW846 7471B
Nickel		6.9	2.2	0.027	mg/kg	SW846 6010C
Silver		0.26 B	0.54	0.035	mg/kg	SW846 6010C
Zinc		47.7	1.1	0.16	mg/kg	SW846 6010C
FA15202-5	**BG-5 @ 2'**					
Arsenic [a]		1.4	1.1	0.22	mg/kg	SW846 6010C
Beryllium [a]		0.48 B	1.1	0.11	mg/kg	SW846 6010C
Chromium [a]		56.7	1.1	0.11	mg/kg	SW846 6010C
Copper [a]		77.7	5.6	0.22	mg/kg	SW846 6010C
Lead [a]		3.1 B	4.5	0.36	mg/kg	SW846 6010C
Manganese [a]		552	1.7	0.056	mg/kg	SW846 6010C
Mercury		0.034 B	0.048	0.0048	mg/kg	SW846 7471B
Nickel [a]		20.2	4.5	0.056	mg/kg	SW846 6010C
Selenium [a]		2.1 B	2.2	0.34	mg/kg	SW846 6010C
Silver [a]		0.64 B	1.1	0.073	mg/kg	SW846 6010C
Zinc [a]		54.4	4.5	0.67	mg/kg	SW846 6010C
FA15202-6	**BG-6 @ 3'**					
Arsenic [a]		1.3 B	2.0	0.41	mg/kg	SW846 6010C
Beryllium [a]		0.18 B	1.0	0.10	mg/kg	SW846 6010C
Chromium [a]		78.5	2.0	0.20	mg/kg	SW846 6010C
Copper [a]		58.3	5.1	0.20	mg/kg	SW846 6010C
Lead [a]		4.1	4.1	0.32	mg/kg	SW846 6010C
Manganese [a]		419	3.0	0.10	mg/kg	SW846 6010C
Mercury		0.012 B	0.045	0.0045	mg/kg	SW846 7471B
Nickel [a]		24.3	8.1	0.10	mg/kg	SW846 6010C
Selenium [a]		2.0 B	4.1	0.61	mg/kg	SW846 6010C
Silver [a]		0.67 B	2.0	0.13	mg/kg	SW846 6010C
Zinc [a]		35.3	4.1	0.61	mg/kg	SW846 6010C
FA15202-7	**BG-7 @ 3'**					
Arsenic [a]		0.93 B	2.1	0.41	mg/kg	SW846 6010C
Beryllium [a]		0.18 B	1.0	0.10	mg/kg	SW846 6010C
Chromium [a]		82.0	2.1	0.21	mg/kg	SW846 6010C
Copper [a]		61.2	5.2	0.21	mg/kg	SW846 6010C

Summary of Hits

Job Number: FA15202
Account: ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC
Collected: 05/21/14

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Lead [a]		4.9	4.1	0.33	mg/kg	SW846 6010C
Manganese [a]		521	3.1	0.10	mg/kg	SW846 6010C
Mercury		0.023 B	0.046	0.0046	mg/kg	SW846 7471B
Nickel [a]		27.9	8.2	0.10	mg/kg	SW846 6010C
Selenium [a]		2.6 B	4.1	0.62	mg/kg	SW846 6010C
Silver [a]		0.65 B	2.1	0.13	mg/kg	SW846 6010C
Zinc [a]		45.3	4.1	0.62	mg/kg	SW846 6010C
FA15202-8	**WP-49 @ 3'**					
Copper [a]		74.1	5.1	0.20	mg/kg	SW846 6010C
Manganese		343	0.76	0.025	mg/kg	SW846 6010C
Nickel		23.6	2.0	0.025	mg/kg	SW846 6010C
Thallium [a]		0.59 B	2.0	0.30	mg/kg	SW846 6010C
Zinc		127	1.0	0.15	mg/kg	SW846 6010C
FA15202-9	**WP-50 @ 4'**					
No hits reported in this sample.						
FA15202-10	**WP-50 @ 12.5'**					
Trichloroethylene		288 J	410	83	ug/kg	SW846 8260B
Total TIC, Volatile		1646 J			ug/kg	
FA15202-11	**TRIP BLANK-1**					
No hits reported in this sample.						

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

Southeast ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	BG-1 @ 5.5		
Lab Sample ID:	FA15202-1	**Date Sampled:**	05/21/14
Matrix:	SO - Soil	**Date Received:**	05/22/14
		Percent Solids:	87.0
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Antimony [a]	0.21 U	2.1	0.21	mg/kg	2	05/28/14	05/29/14	LM	SW846 6010C [3]	SW846 3050B [4]
Arsenic	0.77	0.52	0.10	mg/kg	1	05/28/14	05/28/14	LM	SW846 6010C [2]	SW846 3050B [4]
Beryllium [a]	0.19 B	0.52	0.052	mg/kg	2	05/28/14	05/29/14	LM	SW846 6010C [3]	SW846 3050B [4]
Cadmium [a]	0.057 B	0.42	0.052	mg/kg	2	05/28/14	05/29/14	LM	SW846 6010C [3]	SW846 3050B [4]
Chromium	18.6	0.52	0.052	mg/kg	1	05/28/14	05/28/14	LM	SW846 6010C [2]	SW846 3050B [4]
Copper [a]	38.9	2.6	0.10	mg/kg	2	05/28/14	05/29/14	LM	SW846 6010C [3]	SW846 3050B [4]
Lead	2.5	1.0	0.084	mg/kg	1	05/28/14	05/28/14	LM	SW846 6010C [2]	SW846 3050B [4]
Manganese	342	0.78	0.026	mg/kg	1	05/28/14	05/28/14	LM	SW846 6010C [2]	SW846 3050B [4]
Mercury	0.0073 B	0.044	0.0044	mg/kg	1	05/28/14	05/28/14	JL	SW846 7471B [1]	SW846 7471B [5]
Nickel	14.9	2.1	0.026	mg/kg	1	05/28/14	05/28/14	LM	SW846 6010C [2]	SW846 3050B [4]
Selenium	0.16 U	1.0	0.16	mg/kg	1	05/28/14	05/28/14	LM	SW846 6010C [2]	SW846 3050B [4]
Silver	0.17 B	0.52	0.034	mg/kg	1	05/28/14	05/28/14	LM	SW846 6010C [2]	SW846 3050B [4]
Thallium [a]	0.16 U	1.0	0.16	mg/kg	2	05/28/14	05/29/14	LM	SW846 6010C [3]	SW846 3050B [4]
Zinc	34.6	1.0	0.16	mg/kg	1	05/28/14	05/28/14	LM	SW846 6010C [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA11626
(2) Instrument QC Batch: MA11628
(3) Instrument QC Batch: MA11630
(4) Prep QC Batch: MP27310
(5) Prep QC Batch: MP27311

(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 @ 3'		
Lab Sample ID:	FA15202-2	**Date Sampled:**	05/21/14
Matrix:	SO - Soil	**Date Received:**	05/22/14
		Percent Solids:	82.9
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Antimony [a]	0.23 U	2.3	0.23	mg/kg	2	05/28/14	05/29/14	LM	SW846 6010C [3]	SW846 3050B [4]
Arsenic	1.1	0.56	0.11	mg/kg	1	05/28/14	05/28/14	LM	SW846 6010C [2]	SW846 3050B [4]
Beryllium [a]	0.43 B	0.56	0.056	mg/kg	2	05/28/14	05/29/14	LM	SW846 6010C [3]	SW846 3050B [4]
Cadmium [a]	0.19 B	0.45	0.056	mg/kg	2	05/28/14	05/29/14	LM	SW846 6010C [3]	SW846 3050B [4]
Chromium	20.6	0.56	0.056	mg/kg	1	05/28/14	05/28/14	LM	SW846 6010C [2]	SW846 3050B [4]
Copper [a]	65.2	2.8	0.11	mg/kg	2	05/28/14	05/29/14	LM	SW846 6010C [3]	SW846 3050B [4]
Lead	7.8	1.1	0.090	mg/kg	1	05/28/14	05/28/14	LM	SW846 6010C [2]	SW846 3050B [4]
Manganese	311	0.85	0.028	mg/kg	1	05/28/14	05/28/14	LM	SW846 6010C [2]	SW846 3050B [4]
Mercury	0.034 B	0.047	0.0047	mg/kg	1	05/28/14	05/28/14	JL	SW846 7471B [1]	SW846 7471B [5]
Nickel	12.8	2.3	0.028	mg/kg	1	05/28/14	05/28/14	LM	SW846 6010C [2]	SW846 3050B [4]
Selenium	0.17 U	1.1	0.17	mg/kg	1	05/28/14	05/28/14	LM	SW846 6010C [2]	SW846 3050B [4]
Silver	0.24 B	0.56	0.037	mg/kg	1	05/28/14	05/28/14	LM	SW846 6010C [2]	SW846 3050B [4]
Thallium [a]	0.17 U	1.1	0.17	mg/kg	2	05/28/14	05/29/14	LM	SW846 6010C [3]	SW846 3050B [4]
Zinc	35.2	1.1	0.17	mg/kg	1	05/28/14	05/28/14	LM	SW846 6010C [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA11626
(2) Instrument QC Batch: MA11628
(3) Instrument QC Batch: MA11630
(4) Prep QC Batch: MP27310
(5) Prep QC Batch: MP27311

(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-3 @ 3'		
Lab Sample ID:	FA15202-3	**Date Sampled:**	05/21/14
Matrix:	SO - Soil	**Date Received:**	05/22/14
		Percent Solids:	82.2
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, 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	05/28/14	05/29/14	LM	SW846 6010C [3]	SW846 3050B [4]
Arsenic	1.0	0.55	0.11	mg/kg	1	05/28/14	05/28/14	LM	SW846 6010C [2]	SW846 3050B [4]
Beryllium [a]	0.47 B	0.55	0.055	mg/kg	2	05/28/14	05/29/14	LM	SW846 6010C [3]	SW846 3050B [4]
Cadmium [a]	0.22 B	0.44	0.055	mg/kg	2	05/28/14	05/29/14	LM	SW846 6010C [3]	SW846 3050B [4]
Chromium	21.8	0.55	0.055	mg/kg	1	05/28/14	05/28/14	LM	SW846 6010C [2]	SW846 3050B [4]
Copper [a]	72.3	2.7	0.11	mg/kg	2	05/28/14	05/29/14	LM	SW846 6010C [3]	SW846 3050B [4]
Lead	8.4	1.1	0.088	mg/kg	1	05/28/14	05/28/14	LM	SW846 6010C [2]	SW846 3050B [4]
Manganese	322	0.82	0.027	mg/kg	1	05/28/14	05/28/14	LM	SW846 6010C [2]	SW846 3050B [4]
Mercury	0.042 B	0.045	0.0045	mg/kg	1	05/28/14	05/28/14	JL	SW846 7471B [1]	SW846 7471B [5]
Nickel	13.3	2.2	0.027	mg/kg	1	05/28/14	05/28/14	LM	SW846 6010C [2]	SW846 3050B [4]
Selenium	0.16 U	1.1	0.16	mg/kg	1	05/28/14	05/28/14	LM	SW846 6010C [2]	SW846 3050B [4]
Silver	0.24 B	0.55	0.036	mg/kg	1	05/28/14	05/28/14	LM	SW846 6010C [2]	SW846 3050B [4]
Thallium [a]	0.16 U	1.1	0.16	mg/kg	2	05/28/14	05/29/14	LM	SW846 6010C [3]	SW846 3050B [4]
Zinc	37.6	1.1	0.16	mg/kg	1	05/28/14	05/28/14	LM	SW846 6010C [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA11626
(2) Instrument QC Batch: MA11628
(3) Instrument QC Batch: MA11630
(4) Prep QC Batch: MP27310
(5) Prep QC Batch: MP27311

(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 @ 4'		
Lab Sample ID:	FA15202-4	**Date Sampled:**	05/21/14
Matrix:	SO - Soil	**Date Received:**	05/22/14
		Percent Solids:	85.2
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, 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	05/28/14	05/29/14	LM	SW846 6010C [3]	SW846 3050B [4]
Arsenic	0.54	0.54	0.11	mg/kg	1	05/28/14	05/28/14	LM	SW846 6010C [2]	SW846 3050B [4]
Beryllium [a]	0.29 B	0.54	0.054	mg/kg	2	05/28/14	05/29/14	LM	SW846 6010C [3]	SW846 3050B [4]
Cadmium [a]	0.11 B	0.43	0.054	mg/kg	2	05/28/14	05/29/14	LM	SW846 6010C [3]	SW846 3050B [4]
Chromium	9.2	0.54	0.054	mg/kg	1	05/28/14	05/28/14	LM	SW846 6010C [2]	SW846 3050B [4]
Copper [a]	40.1	2.7	0.11	mg/kg	2	05/28/14	05/29/14	LM	SW846 6010C [3]	SW846 3050B [4]
Lead	4.2	1.1	0.087	mg/kg	1	05/28/14	05/28/14	LM	SW846 6010C [2]	SW846 3050B [4]
Manganese	363	0.82	0.027	mg/kg	1	05/28/14	05/28/14	LM	SW846 6010C [2]	SW846 3050B [4]
Mercury	0.0056 B	0.047	0.0047	mg/kg	1	05/28/14	05/28/14	JL	SW846 7471B [1]	SW846 7471B [5]
Nickel	6.9	2.2	0.027	mg/kg	1	05/28/14	05/28/14	LM	SW846 6010C [2]	SW846 3050B [4]
Selenium	0.16 U	1.1	0.16	mg/kg	1	05/28/14	05/28/14	LM	SW846 6010C [2]	SW846 3050B [4]
Silver	0.26 B	0.54	0.035	mg/kg	1	05/28/14	05/28/14	LM	SW846 6010C [2]	SW846 3050B [4]
Thallium [a]	0.16 U	1.1	0.16	mg/kg	2	05/28/14	05/29/14	LM	SW846 6010C [3]	SW846 3050B [4]
Zinc	47.7	1.1	0.16	mg/kg	1	05/28/14	05/28/14	LM	SW846 6010C [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA11626
(2) Instrument QC Batch: MA11628
(3) Instrument QC Batch: MA11630
(4) Prep QC Batch: MP27310
(5) Prep QC Batch: MP27311

(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 @ 2'		
Lab Sample ID:	FA15202-5	**Date Sampled:**	05/21/14
Matrix:	SO - Soil	**Date Received:**	05/22/14
		Percent Solids:	83.9
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, 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	05/29/14	06/02/14	LM	SW846 6010C [3]	SW846 3050B [5]
Arsenic [a]	1.4	1.1	0.22	mg/kg	2	05/29/14	05/30/14	LM	SW846 6010C [2]	SW846 3050B [5]
Beryllium [a]	0.48 B	1.1	0.11	mg/kg	4	05/29/14	06/02/14	LM	SW846 6010C [3]	SW846 3050B [5]
Cadmium [a]	0.11 U	0.90	0.11	mg/kg	4	05/29/14	06/02/14	LM	SW846 6010C [3]	SW846 3050B [5]
Chromium [a]	56.7	1.1	0.11	mg/kg	2	05/29/14	05/30/14	LM	SW846 6010C [2]	SW846 3050B [5]
Copper [a]	77.7	5.6	0.22	mg/kg	4	05/29/14	06/02/14	LM	SW846 6010C [3]	SW846 3050B [5]
Lead [a]	3.1 B	4.5	0.36	mg/kg	4	05/29/14	06/02/14	LM	SW846 6010C [3]	SW846 3050B [5]
Manganese [a]	552	1.7	0.056	mg/kg	2	05/29/14	05/30/14	LM	SW846 6010C [2]	SW846 3050B [5]
Mercury	0.034 B	0.048	0.0048	mg/kg	1	05/28/14	05/28/14	JL	SW846 7471B [1]	SW846 7471B [4]
Nickel [a]	20.2	4.5	0.056	mg/kg	2	05/29/14	05/30/14	LM	SW846 6010C [2]	SW846 3050B [5]
Selenium [a]	2.1 B	2.2	0.34	mg/kg	2	05/29/14	05/30/14	LM	SW846 6010C [2]	SW846 3050B [5]
Silver [a]	0.64 B	1.1	0.073	mg/kg	2	05/29/14	05/30/14	LM	SW846 6010C [2]	SW846 3050B [5]
Thallium [a]	0.34 U	2.2	0.34	mg/kg	4	05/29/14	06/02/14	LM	SW846 6010C [3]	SW846 3050B [5]
Zinc [a]	54.4	4.5	0.67	mg/kg	4	05/29/14	06/02/14	LM	SW846 6010C [3]	SW846 3050B [5]

(1) Instrument QC Batch: MA11626
(2) Instrument QC Batch: MA11633
(3) Instrument QC Batch: MA11636
(4) Prep QC Batch: MP27311
(5) Prep QC Batch: MP27317

(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-6 @ 3'		
Lab Sample ID:	FA15202-6	**Date Sampled:**	05/21/14
Matrix:	SO - Soil	**Date Received:**	05/22/14
		Percent Solids:	85.1
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Antimony [a]	0.41 U	4.1	0.41	mg/kg	4	05/29/14	05/30/14	LM	SW846 6010C [2]	SW846 3050B [4]
Arsenic [a]	1.3 B	2.0	0.41	mg/kg	4	05/29/14	05/30/14	LM	SW846 6010C [2]	SW846 3050B [4]
Beryllium [a]	0.18 B	1.0	0.10	mg/kg	4	05/29/14	05/30/14	LM	SW846 6010C [2]	SW846 3050B [4]
Cadmium [a]	0.10 U	0.81	0.10	mg/kg	4	05/29/14	05/30/14	LM	SW846 6010C [2]	SW846 3050B [4]
Chromium [a]	78.5	2.0	0.20	mg/kg	4	05/29/14	05/30/14	LM	SW846 6010C [2]	SW846 3050B [4]
Copper [a]	58.3	5.1	0.20	mg/kg	4	05/29/14	05/30/14	LM	SW846 6010C [2]	SW846 3050B [4]
Lead [a]	4.1	4.1	0.32	mg/kg	4	05/29/14	05/30/14	LM	SW846 6010C [2]	SW846 3050B [4]
Manganese [a]	419	3.0	0.10	mg/kg	4	05/29/14	05/30/14	LM	SW846 6010C [2]	SW846 3050B [4]
Mercury	0.012 B	0.045	0.0045	mg/kg	1	05/28/14	05/28/14	JL	SW846 7471B [1]	SW846 7471B [3]
Nickel [a]	24.3	8.1	0.10	mg/kg	4	05/29/14	05/30/14	LM	SW846 6010C [2]	SW846 3050B [4]
Selenium [a]	2.0 B	4.1	0.61	mg/kg	4	05/29/14	05/30/14	LM	SW846 6010C [2]	SW846 3050B [4]
Silver [a]	0.67 B	2.0	0.13	mg/kg	4	05/29/14	05/30/14	LM	SW846 6010C [2]	SW846 3050B [4]
Thallium [a]	0.30 U	2.0	0.30	mg/kg	4	05/29/14	05/30/14	LM	SW846 6010C [2]	SW846 3050B [4]
Zinc [a]	35.3	4.1	0.61	mg/kg	4	05/29/14	05/30/14	LM	SW846 6010C [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA11626
(2) Instrument QC Batch: MA11633
(3) Prep QC Batch: MP27311
(4) Prep QC Batch: MP27317

(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-7 @ 3'		
Lab Sample ID:	FA15202-7	**Date Sampled:**	05/21/14
Matrix:	SO - Soil	**Date Received:**	05/22/14
		Percent Solids:	83.6
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Antimony [a]	0.41 U	4.1	0.41	mg/kg	4	05/29/14	05/30/14	LM	SW846 6010C [2]	SW846 3050B [4]
Arsenic [a]	0.93 B	2.1	0.41	mg/kg	4	05/29/14	05/30/14	LM	SW846 6010C [2]	SW846 3050B [4]
Beryllium [a]	0.18 B	1.0	0.10	mg/kg	4	05/29/14	05/30/14	LM	SW846 6010C [2]	SW846 3050B [4]
Cadmium [a]	0.10 U	0.82	0.10	mg/kg	4	05/29/14	05/30/14	LM	SW846 6010C [2]	SW846 3050B [4]
Chromium [a]	82.0	2.1	0.21	mg/kg	4	05/29/14	05/30/14	LM	SW846 6010C [2]	SW846 3050B [4]
Copper [a]	61.2	5.2	0.21	mg/kg	4	05/29/14	05/30/14	LM	SW846 6010C [2]	SW846 3050B [4]
Lead [a]	4.9	4.1	0.33	mg/kg	4	05/29/14	05/30/14	LM	SW846 6010C [2]	SW846 3050B [4]
Manganese [a]	521	3.1	0.10	mg/kg	4	05/29/14	05/30/14	LM	SW846 6010C [2]	SW846 3050B [4]
Mercury	0.023 B	0.046	0.0046	mg/kg	1	05/28/14	05/28/14	JL	SW846 7471B [1]	SW846 7471B [3]
Nickel [a]	27.9	8.2	0.10	mg/kg	4	05/29/14	05/30/14	LM	SW846 6010C [2]	SW846 3050B [4]
Selenium [a]	2.6 B	4.1	0.62	mg/kg	4	05/29/14	05/30/14	LM	SW846 6010C [2]	SW846 3050B [4]
Silver [a]	0.65 B	2.1	0.13	mg/kg	4	05/29/14	05/30/14	LM	SW846 6010C [2]	SW846 3050B [4]
Thallium [a]	0.31 U	2.1	0.31	mg/kg	4	05/29/14	05/30/14	LM	SW846 6010C [2]	SW846 3050B [4]
Zinc [a]	45.3	4.1	0.62	mg/kg	4	05/29/14	05/30/14	LM	SW846 6010C [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA11626
(2) Instrument QC Batch: MA11633
(3) Prep QC Batch: MP27311
(4) Prep QC Batch: MP27317

(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:	WP-49 @ 3'		
Lab Sample ID:	FA15202-8	**Date Sampled:**	05/21/14
Matrix:	SO - Soil	**Date Received:**	05/22/14
		Percent Solids:	82.0
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Antimony [a]	0.41 U	4.1	0.41	mg/kg	4	05/29/14	05/30/14	LM	SW846 6010C [2]	SW846 3050B [3]
Beryllium [a]	0.10 U	1.0	0.10	mg/kg	4	05/29/14	05/30/14	LM	SW846 6010C [2]	SW846 3050B [3]
Copper [a]	74.1	5.1	0.20	mg/kg	4	05/29/14	05/30/14	LM	SW846 6010C [2]	SW846 3050B [3]
Manganese	343	0.76	0.025	mg/kg	1	05/29/14	05/29/14	LM	SW846 6010C [1]	SW846 3050B [3]
Nickel	23.6	2.0	0.025	mg/kg	1	05/29/14	05/29/14	LM	SW846 6010C [1]	SW846 3050B [3]
Thallium [a]	0.59 B	2.0	0.30	mg/kg	4	05/29/14	05/30/14	LM	SW846 6010C [2]	SW846 3050B [3]
Zinc	127	1.0	0.15	mg/kg	1	05/29/14	05/29/14	LM	SW846 6010C [1]	SW846 3050B [3]

(1) Instrument QC Batch: MA11630
(2) Instrument QC Batch: MA11633
(3) Prep QC Batch: MP27317

(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:	WP-50 @ 4'		
Lab Sample ID:	FA15202-9	**Date Sampled:**	05/21/14
Matrix:	SO - Soil	**Date Received:**	05/22/14
Method:	SW846 8260B BY SIM	**Percent Solids:**	89.1
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F0064546.D	1	05/22/14	AH	n/a	n/a	VF2130
Run #2							

	Initial Weight
Run #1	4.83 g
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	5.8	2.3	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	102%		75-126%
17060-07-0	1,2-Dichloroethane-D4	108%		72-135%

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:	WP-50 @ 4'		
Lab Sample ID:	FA15202-9	**Date Sampled:**	05/21/14
Matrix:	SO - Soil	**Date Received:**	05/22/14
Method:	SW846 8260B	**Percent Solids:**	89.1
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H0085583.D	1	05/22/14	EP	n/a	n/a	VH3255
Run #2							

	Initial Weight
Run #1	4.49 g
Run #2	

VOA List for NC, May 2012

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	62	19	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	ND	6.2	1.4	ug/kg	
95-49-8	o-Chlorotoluene	ND	6.2	1.2	ug/kg	
106-43-4	p-Chlorotoluene	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	
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	
108-20-3	Di-Isopropyl ether	ND	6.2	1.3	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	ND	6.2	1.2	ug/kg	
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	

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:	WP-50 @ 4'		
Lab Sample ID:	FA15202-9	**Date Sampled:**	05/21/14
Matrix:	SO - Soil	**Date Received:**	05/22/14
Method:	SW846 8260B	**Percent Solids:**	89.1
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC		

VOA List for NC, May 2012

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	6.2	1.2	ug/kg	
64-17-5	Ethyl alcohol	ND	500	83	ug/kg	
100-41-4	Ethylbenzene	ND	6.2	1.2	ug/kg	
591-78-6	2-Hexanone	ND	31	6.1	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	
75-09-2	Methylene chloride	ND	12	5.0	ug/kg	
78-93-3	Methyl ethyl ketone	ND	31	9.4	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	6.2	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	ND	6.2	1.3	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	
1330-20-7	Xylene (total)	ND	19	3.3	ug/kg	
	m,p-Xylene	ND	12	2.0	ug/kg	
95-47-6	o-Xylene	ND	6.2	1.3	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	82%		75-124%
2037-26-5	Toluene-D8	93%		75-126%
460-00-4	4-Bromofluorobenzene	93%		71-133%
17060-07-0	1,2-Dichloroethane-D4	95%		72-135%

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:	WP-50 @ 4'		
Lab Sample ID:	FA15202-9	**Date Sampled:**	05/21/14
Matrix:	SO - Soil	**Date Received:**	05/22/14
Method:	SW846 8260B	**Percent Solids:**	89.1
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC		

VOA List for NC, May 2012

CAS No.	Tentatively Identified Compounds [a]	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		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:	WP-50 @ 12.5'		
Lab Sample ID:	FA15202-10	**Date Sampled:**	05/21/14
Matrix:	SO - Soil	**Date Received:**	05/22/14
Method:	SW846 8260B BY SIM	**Percent Solids:**	75.6
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F0064547.D	1	05/22/14	AH	n/a	n/a	VF2130
Run #2							

	Initial Weight
Run #1	5.67 g
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	5.8	2.3	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	94%		75-126%
17060-07-0	1,2-Dichloroethane-D4	113%		72-135%

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:	WP-50 @ 12.5'		
Lab Sample ID:	FA15202-10	**Date Sampled:**	05/21/14
Matrix:	SO - Soil	**Date Received:**	05/22/14
Method:	SW846 8260B	**Percent Solids:**	75.6
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H0085584.D	1	05/22/14	EP	n/a	n/a	VH3255
Run #2	H0085603.D	1	05/23/14	EP	n/a	n/a	VH3256

	Initial Weight	Methanol Aliquot
Run #1	5.23 g	
Run #2	5.05 g	100 ul

VOA List for NC, May 2012

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	63	19	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	2.9	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	
56-23-5	Carbon tetrachloride	ND	6.3	1.8	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	
106-93-4	1,2-Dibromoethane	ND	6.3	2.3	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	
108-20-3	Di-Isopropyl ether	ND	6.3	1.3	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	ND	6.3	1.3	ug/kg	
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	

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:	WP-50 @ 12.5'		
Lab Sample ID:	FA15202-10	**Date Sampled:**	05/21/14
Matrix:	SO - Soil	**Date Received:**	05/22/14
Method:	SW846 8260B	**Percent Solids:**	75.6
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC		

VOA List for NC, May 2012

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	6.3	1.3	ug/kg	
64-17-5	Ethyl alcohol	ND	510	84	ug/kg	
100-41-4	Ethylbenzene	ND	6.3	1.3	ug/kg	
591-78-6	2-Hexanone	ND	32	6.2	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	32	6.3	ug/kg	
74-83-9	Methyl bromide	ND	6.3	2.4	ug/kg	
74-87-3	Methyl chloride	ND	6.3	2.5	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	6.3	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	2.4	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.3	1.5	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	288 [a]	410	83	ug/kg	J
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	32	10	ug/kg	
1330-20-7	Xylene (total)	ND	19	3.4	ug/kg	
	m,p-Xylene	ND	13	2.0	ug/kg	
95-47-6	o-Xylene	ND	6.3	1.4	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	80%	78%	75-124%
2037-26-5	Toluene-D8	94%	94%	75-126%
460-00-4	4-Bromofluorobenzene	90%	91%	71-133%
17060-07-0	1,2-Dichloroethane-D4	100%	87%	72-135%

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:	WP-50 @ 12.5'		
Lab Sample ID:	FA15202-10	**Date Sampled:**	05/21/14
Matrix:	SO - Soil	**Date Received:**	05/22/14
Method:	SW846 8260B	**Percent Solids:**	75.6
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC		

VOA List for NC, May 2012

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
1632-70-8	Undecane, 5-methyl-	16.24	140	ug/kg	JN
17312-54-8	Decane, 3,7-dimethyl-	16.37	120	ug/kg	JN
1000152-47-3	trans-Decalin, 2-methyl-	16.70	100	ug/kg	JN
2958-76-1	Naphthalene, decahydro-2-methyl-	16.93	140	ug/kg	JN
17301-23-4	Undecane, 2,6-dimethyl-	17.30	420	ug/kg	JN
4291-79-6	Cyclohexane, 1-methyl-2-propyl-	17.42	110	ug/kg	JN
17301-33-6	Undecane, 4,8-dimethyl-	17.76	120	ug/kg	JN
17312-76-4	Undecane, 6,6-dimethyl-	17.93	310	ug/kg	JN
1618-22-0	Naphthalene, decahydro-2,6-dimethy	18.14	95	ug/kg	JN
4292-92-6	Cyclohexane, pentyl-	18.86	91	ug/kg	JN
	Total TIC, Volatile		1646	ug/kg	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:	TRIP BLANK-1		
Lab Sample ID:	FA15202-11	**Date Sampled:**	05/21/14
Matrix:	SO - Trip Blank Soil	**Date Received:**	05/22/14
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F0064545.D	1	05/22/14	AH	n/a	n/a	VF2130
Run #2							

	Initial Weight
Run #1	5.00 g
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	5.0	2.0	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	104%		75-126%
17060-07-0	1,2-Dichloroethane-D4	112%		72-135%

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-1		
Lab Sample ID:	FA15202-11	**Date Sampled:**	05/21/14
Matrix:	SO - Trip Blank Soil	**Date Received:**	05/22/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H0085585.D	1	05/22/14	EP	n/a	n/a	VH3255
Run #2							

	Initial Weight
Run #1	5.00 g
Run #2	

VOA List for NC, May 2012

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	15	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	
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	
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	
108-20-3	Di-Isopropyl ether	ND	5.0	1.0	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	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	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:	TRIP BLANK-1		
Lab Sample ID:	FA15202-11	**Date Sampled:**	05/21/14
Matrix:	SO - Trip Blank Soil	**Date Received:**	05/22/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC		

VOA List for NC, May 2012

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.0	ug/kg	
64-17-5	Ethyl alcohol	ND	400	67	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/kg	
591-78-6	2-Hexanone	ND	25	4.9	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	
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	
1330-20-7	Xylene (total)	ND	15	2.7	ug/kg	
	m,p-Xylene	ND	10	1.6	ug/kg	
95-47-6	o-Xylene	ND	5.0	1.1	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	81%		75-124%
2037-26-5	Toluene-D8	94%		75-126%
460-00-4	4-Bromofluorobenzene	95%		71-133%
17060-07-0	1,2-Dichloroethane-D4	89%		72-135%

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-1		
Lab Sample ID:	FA15202-11	**Date Sampled:**	05/21/14
Matrix:	SO - Trip Blank Soil	**Date Received:**	05/22/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC		

VOA List for NC, May 2012

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

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 # FA15202 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: E-mail: Lane.Dorman@erm.com
Phone#: 919-233-4501
Sampler(s) Name(s) (Printed): G. Kamellis

Project Information

Project Name: ECI Whitsett
Street: 1239 Rock Creek Dairy Rd
City: Whitsett 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	HNO3	H2SO4	NaOH+ZnAc	DI Water	MeOH	Total Sb, Be, Cu, Mn, Ni, Tl, Zn	HSL metals	VOC 8260 + 10 TICs	1,4 Dioxane 8260 SIM
1	BG-1@ 5.5	5/21/14	1030	GK	SO	1		X								X		
2	BG-2@ 3'		1045															
3	BG-3 @3'		1100															
4	BG-4 @ 4'		1115															
5	BG-5 @ 2'		1130															
6	BG-6 @3'		1145															
7	BG-7 @3'		1200															
8	WP-49 @ 3'		1400												X			
9	WP-50 @ 4'		1545			4		1					1	2			X	X
10	WP-50 @ 12.5'		1550			4		1					1	2			X	X
11	Trip Blank-1		–	–	–	2											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

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]	5/21/14 1650	2 Brent Pardy	3 Brent Pardy	5/21/14 1740	4 FX
Relinquished by: 5 FX	5-22-14	Received By: 6 [signature] (Alex) 10:20	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: 1 Cooler Temperature (s) Celsius: 3.6

FA15202: Chain of Custody
Page 1 of 3

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: FA15202 CLIENT: ERM PROJECT: EC1

DATE/TIME RECEIVED: 5-22-14 10:00 {MM/DD/YY 24:00} NUMBER OF COOLERS RECEIVED: 1

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

AIRBILL NUMBERS: 7700 5844 0500

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
- [ ] RECEIVED WATER TRIP BLANK
- [x] RECEIVED SOIL TRIP BLANK

MISC. INFORMATION

NUMBER OF ENCORES ? 25-GRAM_____ 5-GRAM_____

NUMBER OF 5035 FIELD KITS ? 2+TB

NUMBER OF LAB FILTERED METALS ? _____

TEMPERATURE INFORMATION

- [ ] IR THERM ID 1 CORR. FACTOR +0.4
- [ ] OBSERVED TEMPS: 3.2
- [ ] CORRECTED TEMPS: 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
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] RESIDUAL CHLORINE PRESENT

{APPICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS}

SUMMARY OF COMMENTS:

TECHNICIAN SIGNATURE/DATE 5-22-14 REVIEWER SIGNATURE/DATE 05-22-14

RS 04/14 receipt confirmation 041514.xls

4.1

4

FA15202: 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: 21MAY14
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 #

1043

TRK# 0201 7700 5844 0500

THU - 22 MAY AA
STANDARD OVERNIGHT

MASTER

XH TIXA

32811
FL-US
MCO

FA15202: 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: FA15202
Account: ERMNCR ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF2130-MB	F0064538.D	1	05/22/14	AH	n/a	n/a	VF2130

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

FA15202-9, FA15202-10, FA15202-11

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	5.0	2.0	ug/kg	

CAS No.	Surrogate Recoveries		Limits
2037-26-5	Toluene-D8	93%	75-126%
17060-07-0	1,2-Dichloroethane-D4	112%	72-135%

Method Blank Summary

Job Number: FA15202
Account: ERMNCR ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VH3255-MB	H0085568.D	1	05/22/14	EP	n/a	n/a	VH3255

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

FA15202-9, FA15202-10, FA15202-11

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	15	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	
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	
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	
108-20-3	Di-Isopropyl ether	ND	5.0	1.0	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	
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	
64-17-5	Ethyl alcohol	ND	400	67	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/kg	
591-78-6	2-Hexanone	ND	25	4.9	ug/kg	

Method Blank Summary

Job Number: FA15202
Account: ERMNCR ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VH3255-MB	H0085568.D	1	05/22/14	EP	n/a	n/a	VH3255

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

FA15202-9, FA15202-10, FA15202-11

CAS No.	Compound	Result	RL	MDL	Units	Q
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	
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	
1330-20-7	Xylene (total)	ND	15	2.7	ug/kg	
	m,p-Xylene	ND	10	1.6	ug/kg	
95-47-6	o-Xylene	ND	5.0	1.1	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	82%	75-124%
2037-26-5	Toluene-D8	93%	75-126%
460-00-4	4-Bromofluorobenzene	92%	71-133%

Method Blank Summary

Job Number: FA15202
Account: ERMNCR ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VH3255-MB	H0085568.D	1	05/22/14	EP	n/a	n/a	VH3255

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

FA15202-9, FA15202-10, FA15202-11

CAS No.	Surrogate Recoveries		Limits
17060-07-0	1,2-Dichloroethane-D4	93%	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: FA15202
Account: ERMNCR ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VH3256-MB	H0085599.D	1	05/23/14	EP	n/a	n/a	VH3256

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

FA15202-10

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	5.0	1.0	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	82%	75-124%
2037-26-5	Toluene-D8	93%	75-126%
460-00-4	4-Bromofluorobenzene	92%	71-133%
17060-07-0	1,2-Dichloroethane-D4	91%	72-135%

Blank Spike Summary

Job Number: FA15202
Account: ERMNCR ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF2130-BS	F0064537.D	1	05/22/14	AH	n/a	n/a	VF2130

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

FA15202-9, FA15202-10, FA15202-11

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
123-91-1	1,4-Dioxane	50	48.1	96	56-152

CAS No.	Surrogate Recoveries	BSP	Limits
2037-26-5	Toluene-D8	101%	75-126%
17060-07-0	1,2-Dichloroethane-D4	109%	72-135%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA15202
Account: ERMNCR ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VH3255-BS	H0085567.D	1	05/22/14	EP	n/a	n/a	VH3255

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

FA15202-9, FA15202-10, FA15202-11

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	250	286	114	61-152
71-43-2	Benzene	50	55.3	111	76-126
108-86-1	Bromobenzene	50	50.9	102	76-122
74-97-5	Bromochloromethane	50	52.1	104	77-120
75-27-4	Bromodichloromethane	50	54.0	108	74-130
75-25-2	Bromoform	50	42.9	86	76-127
104-51-8	n-Butylbenzene	50	53.3	107	71-128
135-98-8	sec-Butylbenzene	50	61.1	122	79-135
98-06-6	tert-Butylbenzene	50	58.0	116	77-133
108-90-7	Chlorobenzene	50	55.4	111	81-129
75-00-3	Chloroethane	50	57.1	114	68-133
67-66-3	Chloroform	50	53.7	107	72-123
95-49-8	o-Chlorotoluene	50	56.7	113	77-129
106-43-4	p-Chlorotoluene	50	58.9	118	80-134
56-23-5	Carbon tetrachloride	50	49.4	99	78-133
75-34-3	1,1-Dichloroethane	50	55.4	111	73-125
75-35-4	1,1-Dichloroethylene	50	54.2	108	81-136
563-58-6	1,1-Dichloropropene	50	57.0	114	75-130
106-93-4	1,2-Dibromoethane	50	52.4	105	77-126
107-06-2	1,2-Dichloroethane	50	55.2	110	74-128
78-87-5	1,2-Dichloropropane	50	58.4	117	74-125
142-28-9	1,3-Dichloropropane	50	53.7	107	76-122
108-20-3	Di-Isopropyl ether	50	59.9	120	75-122
594-20-7	2,2-Dichloropropane	50	60.6	121	77-133
124-48-1	Dibromochloromethane	50	50.8	102	76-127
75-71-8	Dichlorodifluoromethane	50	58.7	117	68-168
156-59-2	cis-1,2-Dichloroethylene	50	52.9	106	74-126
10061-01-5	cis-1,3-Dichloropropene	50	54.6	109	80-123
541-73-1	m-Dichlorobenzene	50	56.8	114	81-129
95-50-1	o-Dichlorobenzene	50	54.4	109	80-129
106-46-7	p-Dichlorobenzene	50	51.4	103	76-130
156-60-5	trans-1,2-Dichloroethylene	50	53.6	107	70-127
10061-02-6	trans-1,3-Dichloropropene	50	55.9	112	75-131
64-17-5	Ethyl alcohol	1000	1020	102	53-154
100-41-4	Ethylbenzene	50	53.2	106	77-123
591-78-6	2-Hexanone	250	274	110	72-133

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA15202
Account: ERMNCR ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VH3255-BS	H0085567.D	1	05/22/14	EP	n/a	n/a	VH3255

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

FA15202-9, FA15202-10, FA15202-11

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
98-82-8	Isopropylbenzene	50	59.0	118	80-136
99-87-6	p-Isopropyltoluene	50	57.7	115	77-131
108-10-1	4-Methyl-2-pentanone	250	276	110	76-132
74-83-9	Methyl bromide	50	53.6	107	65-139
74-87-3	Methyl chloride	50	59.3	119	71-144
75-09-2	Methylene chloride	50	57.3	115	74-137
78-93-3	Methyl ethyl ketone	250	279	112	75-137
1634-04-4	Methyl Tert Butyl Ether	50	55.6	111	77-120
91-20-3	Naphthalene	50	49.3	99	79-129
103-65-1	n-Propylbenzene	50	59.1	118	80-135
100-42-5	Styrene	50	55.7	111	78-125
630-20-6	1,1,1,2-Tetrachloroethane	50	51.9	104	78-126
71-55-6	1,1,1-Trichloroethane	50	54.7	109	70-129
79-34-5	1,1,2,2-Tetrachloroethane	50	54.7	109	71-126
79-00-5	1,1,2-Trichloroethane	50	52.4	105	74-124
87-61-6	1,2,3-Trichlorobenzene	50	47.6	95	77-128
96-18-4	1,2,3-Trichloropropane	50	51.3	103	74-127
120-82-1	1,2,4-Trichlorobenzene	50	48.3	97	78-130
95-63-6	1,2,4-Trimethylbenzene	50	53.8	108	74-123
108-67-8	1,3,5-Trimethylbenzene	50	53.8	108	73-122
127-18-4	Tetrachloroethylene	50	49.2	98	79-130
108-88-3	Toluene	50	52.6	105	76-124
79-01-6	Trichloroethylene	50	53.6	107	75-128
75-69-4	Trichlorofluoromethane	50	53.8	108	73-145
75-01-4	Vinyl chloride	50	57.4	115	76-141
108-05-4	Vinyl Acetate	250	224	90	48-164
1330-20-7	Xylene (total)	150	170	113	80-129
	m,p-Xylene	100	112	112	80-128
95-47-6	o-Xylene	50	58.2	116	80-132

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	87%	75-124%
2037-26-5	Toluene-D8	93%	75-126%
460-00-4	4-Bromofluorobenzene	93%	71-133%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA15202
Account: ERMNCR ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VH3255-BS	H0085567.D	1	05/22/14	EP	n/a	n/a	VH3255

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

FA15202-9, FA15202-10, FA15202-11

CAS No.	Surrogate Recoveries	BSP	Limits
17060-07-0	1,2-Dichloroethane-D4	90%	72-135%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA15202
Account: ERMNCR ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VH3256-BS	H0085598.D	1	05/23/14	EP	n/a	n/a	VH3256

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

FA15202-10

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
79-01-6	Trichloroethylene	50	54.7	109	75-128

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	89%	75-124%
2037-26-5	Toluene-D8	95%	75-126%
460-00-4	4-Bromofluorobenzene	90%	71-133%
17060-07-0	1,2-Dichloroethane-D4	88%	72-135%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA15202
Account: ERMNCR ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA14929-11MS	F0064542.D	1	05/22/14	AH	n/a	n/a	VF2130
FA14929-11MSD	F0064543.D	1	05/22/14	AH	n/a	n/a	VF2130
FA14929-11	F0064539.D	1	05/22/14	AH	n/a	n/a	VF2130

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

FA15202-9, FA15202-10, FA15202-11

CAS No.	Compound	FA14929-11 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
123-91-1	1,4-Dioxane	ND		62.6	63.1	101	64.2	59.1	92	7	56-152/37

CAS No.	Surrogate Recoveries	MS	MSD	FA14929-11	Limits
2037-26-5	Toluene-D8	102%	96%	96%	75-126%
17060-07-0	1,2-Dichloroethane-D4	107%	103%	104%	72-135%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA15202
Account: ERMNCR ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA15152-20MS	H0085575.D	1	05/22/14	EP	n/a	n/a	VH3255
FA15152-20MSD	H0085576.D	1	05/22/14	EP	n/a	n/a	VH3255
FA15152-20	H0085574.D	1	05/22/14	EP	n/a	n/a	VH3255
FA15152-20	H0085582.D	1	05/22/14	EP	n/a	n/a	VH3255

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

FA15202-9, FA15202-10, FA15202-11

CAS No.	Compound	FA15152-20 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	44000 U [a]		109000	91800	84	109000	92200	85	0	61-152/27
71-43-2	Benzene	3090 [a]	J	21800	26200	106	21800	26300	107	0	76-126/26
108-86-1	Bromobenzene	4400 U [a]		21800	21200	97	21800	20600	95	3	76-122/32
74-97-5	Bromochloromethane	4400 U [a]		21800	21100	97	21800	20900	96	1	77-120/24
75-27-4	Bromodichloromethane	4400 U [a]		21800	21100	97	21800	21700	100	3	74-130/25
75-25-2	Bromoform	4400 U [a]		21800	15500	71*	21800	16300	75*	5	76-127/26
104-51-8	n-Butylbenzene	4900 [a]		21800	27000	102	21800	26500	99	2	71-128/35
135-98-8	sec-Butylbenzene	2250 [a]	J	21800	27000	114	21800	26500	111	2	79-135/34
98-06-6	tert-Butylbenzene	4400 U [a]		21800	23300	107	21800	23000	106	1	77-133/34
108-90-7	Chlorobenzene	4400 U [a]		21800	21500	99	21800	21800	100	1	81-129/29
75-00-3	Chloroethane	4400 U [a]		21800	22000	101	21800	22200	102	1	68-133/29
67-66-3	Chloroform	4400 U [a]		21800	21100	97	21800	21300	98	1	72-123/26
95-49-8	o-Chlorotoluene	4400 U [a]		21800	27600	127	21800	26900	124	3	77-129/33
106-43-4	p-Chlorotoluene	4400 U [a]		21800	23200	107	21800	23000	106	1	80-134/33
56-23-5	Carbon tetrachloride	4400 U [a]		21800	18800	86	21800	19300	89	3	78-133/29
75-34-3	1,1-Dichloroethane	4400 U [a]		21800	21800	100	21800	22200	102	2	73-125/27
75-35-4	1,1-Dichloroethylene	4400 U [a]		21800	21400	98	21800	21300	98	0	81-136/28
563-58-6	1,1-Dichloropropene	4400 U [a]		21800	22000	101	21800	21900	101	0	75-130/28
106-93-4	1,2-Dibromoethane	4400 U [a]		21800	20100	92	21800	20700	95	3	77-126/26
107-06-2	1,2-Dichloroethane	4400 U [a]		21800	21600	99	21800	21400	98	1	74-128/23
78-87-5	1,2-Dichloropropane	4400 U [a]		21800	23800	109	21800	23400	107	2	74-125/25
142-28-9	1,3-Dichloropropane	4400 U [a]		21800	20800	96	21800	21500	99	3	76-122/26
108-20-3	Di-Isopropyl ether	4400 U [a]		21800	23600	108	21800	23600	108	0	75-122/25
594-20-7	2,2-Dichloropropane	4400 U [a]		21800	21400	98	21800	21800	100	2	77-133/28
124-48-1	Dibromochloromethane	4400 U [a]		21800	18900	87	21800	19900	91	5	76-127/27
75-71-8	Dichlorodifluoromethane	4400 U [a]		21800	22500	103	21800	22000	101	2	68-168/29
156-59-2	cis-1,2-Dichloroethylene	4400 U [a]		21800	21400	98	21800	21300	98	0	74-126/26
10061-01-5	cis-1,3-Dichloropropene	4400 U [a]		21800	20000	92	21800	20700	95	3	80-123/26
541-73-1	m-Dichlorobenzene	4400 U [a]		21800	22700	104	21800	22300	102	2	81-129/33
95-50-1	o-Dichlorobenzene	4400 U [a]		21800	21800	100	21800	21200	97	3	80-129/32
106-46-7	p-Dichlorobenzene	4400 U [a]		21800	20700	95	21800	20100	92	3	76-130/32
156-60-5	trans-1,2-Dichloroethylene	4400 U [a]		21800	21400	98	21800	21300	98	0	70-127/27
10061-02-6	trans-1,3-Dichloropropene	4400 U [a]		21800	20700	95	21800	21700	100	5	75-131/28
64-17-5	Ethyl alcohol	350000 U [a]		435000	428000	98	435000	409000	94	5	53-154/42
100-41-4	Ethylbenzene	48800		21800	77000	130* [b]	21800	78900	138* [b]	2	77-123/31
591-78-6	2-Hexanone	22000 U [a]		109000	98800	91	109000	101000	93	2	72-133/26

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA15202
Account: ERMNCR ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA15152-20MS	H0085575.D	1	05/22/14	EP	n/a	n/a	VH3255
FA15152-20MSD	H0085576.D	1	05/22/14	EP	n/a	n/a	VH3255
FA15152-20	H0085574.D	1	05/22/14	EP	n/a	n/a	VH3255
FA15152-20	H0085582.D	1	05/22/14	EP	n/a	n/a	VH3255

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

FA15202-9, FA15202-10, FA15202-11

CAS No.	Compound	FA15152-20 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
98-82-8	Isopropylbenzene	5630 [a]		21800	30600	115	21800	31000	117	1	80-136/32
99-87-6	p-Isopropyltoluene	4400 U [a]		21800	24300	112	21800	23500	108	3	77-131/34
108-10-1	4-Methyl-2-pentanone	22000 U [a]		109000	95600	88	109000	97300	89	2	76-132/26
74-83-9	Methyl bromide	4400 U [a]		21800	19300	89	21800	20700	95	7	65-139/31
74-87-3	Methyl chloride	4400 U [a]		21800	22900	105	21800	22800	105	0	71-144/27
75-09-2	Methylene chloride	8700 U [a]		21800	22100	102	21800	22200	102	0	74-137/28
78-93-3	Methyl ethyl ketone	22000 U [a]		109000	99800	92	109000	102000	94	2	75-137/25
1634-04-4	Methyl Tert Butyl Ether	4400 U [a]		21800	21600	99	21800	21900	101	1	77-120/24
91-20-3	Naphthalene	13800		21800	35200	98	21800	36300	103	3	79-129/33
103-65-1	n-Propylbenzene	24700		21800	53600	133	21800	52900	130	1	80-135/33
100-42-5	Styrene	4400 U [a]		21800	22600	104	21800	23100	106	2	78-125/30
630-20-6	1,1,1,2-Tetrachloroethane	4400 U [a]		21800	20800	96	21800	21100	97	1	78-126/27
71-55-6	1,1,1-Trichloroethane	4400 U [a]		21800	21200	97	21800	21300	98	0	70-129/27
79-34-5	1,1,2,2-Tetrachloroethane	4400 U [a]		21800	19800	91	21800	20400	94	3	71-126/30
79-00-5	1,1,2-Trichloroethane	4400 U [a]		21800	27600	127*	21800	28600	131*	4	74-124/28
87-61-6	1,2,3-Trichlorobenzene	4400 U [a]		21800	18500	85	21800	18900	87	2	77-128/35
96-18-4	1,2,3-Trichloropropane	4400 U [a]		21800	20100	92	21800	20400	94	1	74-127/27
120-82-1	1,2,4-Trichlorobenzene	4400 U [a]		21800	19400	89	21800	19200	88	1	78-130/34
95-63-6	1,2,4-Trimethylbenzene	131000 [a]		21800	173000	193* [b]	21800	170000	179* [b]	2	74-123/34
108-67-8	1,3,5-Trimethylbenzene	39300		21800	69500	139*	21800	68700	135*	1	73-122/33
127-18-4	Tetrachloroethylene	4400 U [a]		21800	21000	96	21800	21300	98	1	79-130/31
108-88-3	Toluene	70700		21800	103000	148* [b]	21800	105000	158* [b]	2	76-124/30
79-01-6	Trichloroethylene	4400 U [a]		21800	21800	100	21800	21500	99	1	75-128/27
75-69-4	Trichlorofluoromethane	4400 U [a]		21800	20800	96	21800	20700	95	0	73-145/31
75-01-4	Vinyl chloride	4400 U [a]		21800	22000	101	21800	21600	99	2	76-141/27
108-05-4	Vinyl Acetate	22000 U [a]		109000	111000	102	109000	115000	106	4	48-164/37
1330-20-7	Xylene (total)	270000 [a]		65300	329000	90	65300	333000	96	1	80-129/30
	m,p-Xylene	192000 [a]		43500	211000	44* [b]	43500	213000	48* [b]	1	80-128/30
95-47-6	o-Xylene	82700		21800	118000	162* [b]	21800	121000	176* [b]	3	80-132/30

CAS No.	Surrogate Recoveries	MS	MSD	FA15152-20	FA15152-20	Limits
1868-53-7	Dibromofluoromethane	87%	86%	79%	78%	75-124%
2037-26-5	Toluene-D8	95%	96%	95%	96%	75-126%
460-00-4	4-Bromofluorobenzene	94%	94%	92%	94%	71-133%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA15202
Account: ERMNCR ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA15152-20MS	H0085575.D	1	05/22/14	EP	n/a	n/a	VH3255
FA15152-20MSD	H0085576.D	1	05/22/14	EP	n/a	n/a	VH3255
FA15152-20	H0085574.D	1	05/22/14	EP	n/a	n/a	VH3255
FA15152-20	H0085582.D	1	05/22/14	EP	n/a	n/a	VH3255

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

FA15202-9, FA15202-10, FA15202-11

CAS No.	Surrogate Recoveries	MS	MSD	FA15152-20	FA15152-20	Limits
17060-07-0	1,2-Dichloroethane-D4	83%	83%	94%	87%	72-135%

(a) Result is from Run #2.
(b) 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: FA15202
Account: ERMNCR ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA15243-1MS	H0085608.D	1	05/23/14	EP	n/a	n/a	VH3256
FA15243-1MSD	H0085609.D	1	05/23/14	EP	n/a	n/a	VH3256
FA15243-1	H0085607.D	1	05/23/14	EP	n/a	n/a	VH3256

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

FA15202-10

CAS No.	Compound	FA15243-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
79-01-6	Trichloroethylene	ND		61.9	51.3	83	61.6	58.4	95	13	75-128/27

CAS No.	Surrogate Recoveries	MS	MSD	FA15243-1	Limits
1868-53-7	Dibromofluoromethane	88%	86%	78%	75-124%
2037-26-5	Toluene-D8	95%	99%	98%	75-126%
460-00-4	4-Bromofluorobenzene	94%	104%	105%	71-133%
17060-07-0	1,2-Dichloroethane-D4	89%	86%	89%	72-135%

* = 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: FA15202
Account: ERMNCR - ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

QC Batch ID: MP27310
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 05/28/14

Metal	RL	IDL	MDL	MB raw	final
Aluminum	10	.75	1.6		
Antimony	1.0	.1	.1	-0.010	<1.0
Arsenic	0.50	.1	.1	-0.015	<0.50
Barium	10	.05	.05		
Beryllium	0.25	.025	.025	0.0	<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	0.010	<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	0.010	<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	0.050	<1.0
Silver	0.50	.033	.033	0.0	<0.50
Sodium	500	25	25		
Strontium	0.50	.02	.025		
Thallium	0.50	.075	.075	0.0	<0.50
Tin	2.5	.035	.035		
Titanium	0.50	.045	.045		
Vanadium	2.5	.025	.025		
Zinc	1.0	.15	.15	0.29	<1.0

Associated samples MP27310: FA15202-1, FA15202-2, FA15202-3, FA15202-4

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: FA15202
Account: ERMNCR - ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

QC Batch ID: MP27310
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date:	05/28/14							05/28/14	
Metal	FA15050-24 Original	DUP	RPD	QC Limits	FA15050-24 Original	MS	Spikelot MPFLICP2	% Rec	QC Limits
Aluminum	anr								
Antimony	0.0	0.0	NC	0-20	0.0	19.9	28.5	69.8N(c)	80-120
Arsenic	2.6	2.1	21.3 (a)	0-20	2.6	113	114	96.8	80-120
Barium	anr								
Beryllium	0.0	0.0	NC	0-20	0.0	3.0	2.85	105.2	80-120
Cadmium	0.0	0.0	NC	0-20	0.0	2.9	2.85	101.7	80-120
Calcium	anr								
Chromium	1.4	1.9	30.3 (a)	0-20	1.4	13.5	11.4	106.1	80-120
Cobalt	anr								
Copper	0.37	0.32	14.5	0-20	0.37	15.5	14.3	106.1	80-120
Iron	anr								
Lead	0.78	2.5	104.9*(b	0-20	0.78	29.6	28.5	101.1	80-120
Magnesium	anr								
Manganese	0.17	0.25	38.1 (a)	0-20	0.17	30.2	28.5	105.3	80-120
Molybdenum	anr								
Nickel	0.18	0.21	15.4	0-20	0.18	29.9	28.5	104.2	80-120
Potassium	anr								
Selenium	0.0	0.15	200.0(a)	0-20	0.0	111	114	97.3	80-120
Silver	0.058	0.0	200.0(a)	0-20	0.058	2.8	2.85	96.2	80-120
Sodium	anr								
Strontium	anr								
Thallium	0.0	0.0	NC	0-20	0.0	115	114	100.8	80-120
Tin	anr								
Titanium	anr								
Vanadium	anr								
Zinc	0.0	0.0	NC	0-20	0.0	28.7	28.5	100.6	80-120

Associated samples MP27310: FA15202-1, FA15202-2, FA15202-3, FA15202-4

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
(a) RPD acceptable due to low duplicate and sample concentrations.
(b) High RPD due to possible sample non-homogeneity.
(c) Spike recovery indicates possible matrix interference and/or sample non-homogeneity.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA15202
Account: ERMNCR - ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

QC Batch ID: MP27310 Methods: SW846 6010C
Matrix Type: SOLID Units: mg/kg

Prep Date: 05/28/14

Metal	FA15050-24 Original	MSD	Spikelot MPFLICP2	% Rec	MSD RPD	QC Limit
Aluminum	anr					
Antimony	0.0	16.7	26.7	62.5N(a)	17.5	20
Arsenic	2.6	106	107	96.8	6.4	20
Barium	anr					
Beryllium	0.0	2.8	2.67	104.8	6.9	20
Cadmium	0.0	2.6	2.67	97.3	10.9	20
Calcium	anr					
Chromium	1.4	12.7	10.7	105.7	6.1	20
Cobalt	anr					
Copper	0.37	14.3	13.4	104.3	8.1	20
Iron	anr					
Lead	0.78	27.8	26.7	101.1	6.3	20
Magnesium	anr					
Manganese	0.17	27.8	26.7	103.4	8.3	20
Molybdenum	anr					
Nickel	0.18	27.4	26.7	101.9	8.7	20
Potassium	anr					
Selenium	0.0	102	107	95.4	8.5	20
Silver	0.058	2.6	2.67	95.1	7.4	20
Sodium	anr					
Strontium	anr					
Thallium	0.0	107	107	100.1	7.2	20
Tin	anr					
Titanium	anr					
Vanadium	anr					
Zinc	0.0	26.4	26.7	98.8	8.3	20

Associated samples MP27310: FA15202-1, FA15202-2, FA15202-3, FA15202-4

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
(a) Spike recovery indicates possible matrix interference and/or sample non-homogeneity.

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA15202
Account: ERMNCR - ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

QC Batch ID: MP27310
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 05/28/14

Metal	BSP Result	Spikelot MPFLICP2	% Rec	QC Limits
Aluminum	anr			
Antimony	24.7	25	98.8	80-120
Arsenic	99.9	100	99.9	80-120
Barium	anr			
Beryllium	2.6	2.5	104.0	80-120
Cadmium	2.5	2.5	100.0	80-120
Calcium	anr			
Chromium	10.5	10	105.0	80-120
Cobalt	anr			
Copper	13.3	12.5	106.4	80-120
Iron	anr			
Lead	24.9	25	99.6	80-120
Magnesium	anr			
Manganese	26.5	25	106.0	80-120
Molybdenum	anr			
Nickel	26.2	25	104.8	80-120
Potassium	anr			
Selenium	99.1	100	99.1	80-120
Silver	2.4	2.5	96.0	80-120
Sodium	anr			
Strontium	anr			
Thallium	102	100	102.0	80-120
Tin	anr			
Titanium	anr			
Vanadium	anr			
Zinc	25.5	25	102.0	80-120

Associated samples MP27310: FA15202-1, FA15202-2, FA15202-3, FA15202-4

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

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA15202
Account: ERMNCR - ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

QC Batch ID: MP27310
Matrix Type: SOLID

Methods: SW846 6010C
Units: ug/l

Prep Date: 05/28/14

Metal	FA15050-24 Original	SDL 1:5	%DIF	QC Limits
Aluminum	anr			
Antimony	0.00	0.00	NC	0-10
Arsenic	44.4	44.6	0.5	0-10
Barium	anr			
Beryllium	0.00	0.00	NC	0-10
Cadmium	0.00	0.00	NC	0-10
Calcium	anr			
Chromium	24.1	23.5	2.5	0-10
Cobalt	anr			
Copper	6.40	8.00	25.0 (a)	0-10
Iron	anr			
Lead	13.6	15.1	11.0 (a)	0-10
Magnesium	anr			
Manganese	2.90	2.90	0.0	0-10
Molybdenum	anr			
Nickel	3.20	0.00	100.0(a)	0-10
Potassium	anr			
Selenium	0.00	0.00	NC	0-10
Silver	1.00	0.00	100.0(a)	0-10
Sodium	anr			
Strontium	anr			
Thallium	0.00	0.00	NC	0-10
Tin	anr			
Titanium	anr			
Vanadium	anr			
Zinc	0.00	0.00	NC	0-10

Associated samples MP27310: FA15202-1, FA15202-2, FA15202-3, FA15202-4

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: FA15202
Account: ERMNCR - ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

QC Batch ID: MP27310
Matrix Type: SOLID

Methods: SW846 6010C
Units: ug/l

Prep Date: 05/28/14

Metal	Sample ml	Final ml	FA15050-24 Raw	Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum										
Antimony	9.8	10			99.8	0.2	5	100	99.8	80-120
Arsenic	9.8	10	44.4	43.512	145.1	0.2	5	100	101.6	80-120
Barium										
Beryllium	9.8	10			52.8	0.2	2.5	50	105.6	80-120
Cadmium	9.8	10			52.1	0.2	2.5	50	104.2	80-120
Calcium										
Chromium	9.8	10	24.1	23.618	76.7	0.2	2.5	50	106.2	80-120
Cobalt										
Copper	9.8	10	6.4	6.272	113.8	0.2	5	100	107.5	80-120
Iron										
Lead	9.8	10	13.6	13.328	65.5	0.2	2.5	50	104.3	80-120
Magnesium										
Manganese	9.8	10	2.9	2.842	57.1	0.2	2.5	50	108.5	80-120
Molybdenum										
Nickel	9.8	10	3.2	3.136	109.8	0.2	5	100	106.7	80-120
Potassium										
Selenium	9.8	10			99.3	0.2	5	100	99.3	80-120
Silver	9.8	10	1	.98	51.2	0.2	2.5	50	100.4	80-120
Sodium										
Strontium										
Thallium	9.8	10			100.2	0.2	5	100	100.2	80-120
Tin										
Titanium										
Vanadium										
Zinc	9.8	10			254.3	0.2	12.5	250	101.7	80-120

Associated samples MP27310: FA15202-1, FA15202-2, FA15202-3, FA15202-4

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

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA15202
Account: ERMNCR - ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

QC Batch ID: MP27311
Matrix Type: SOLID

Methods: SW846 7471B
Units: mg/kg

Prep Date: 05/28/14

Metal	RL	IDL	MDL	MB raw	final
Mercury	0.042	.0025	.0042	-0.0021	<0.042

Associated samples MP27311: FA15202-1, FA15202-2, FA15202-3, FA15202-4, FA15202-5, FA15202-6, FA15202-7

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: FA15202
Account: ERMNCR - ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

QC Batch ID: MP27311
Matrix Type: SOLID

Methods: SW846 7471B
Units: mg/kg

Prep Date: 05/28/14 05/28/14

Metal	FA15243-1 Original	DUP	RPD	QC Limits	FA15243-1 Original	MS	Spikelot HGFLWS1	% Rec	QC Limits
Mercury	0.036	0.037	2.7	0-20	0.036	0.29	0.234	108.4	80-120

Associated samples MP27311: FA15202-1, FA15202-2, FA15202-3, FA15202-4, FA15202-5, FA15202-6, FA15202-7

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: FA15202
Account: ERMNCR - ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

QC Batch ID: MP27311 | Methods: SW846 7471B
Matrix Type: SOLID | Units: mg/kg

Prep Date: 05/28/14

Metal	FA15243-1 Original	MSD	Spikelot HGFLWS1	% Rec	MSD RPD	QC Limit
Mercury	0.036	0.30	0.231	114.4	3.4	20

Associated samples MP27311: FA15202-1, FA15202-2, FA15202-3, FA15202-4, FA15202-5, FA15202-6, FA15202-7

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: FA15202
Account: ERMNCR - ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

QC Batch ID: MP27311
Matrix Type: SOLID

Methods: SW846 7471B
Units: mg/kg

Prep Date: 05/28/14

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

Associated samples MP27311: FA15202-1, FA15202-2, FA15202-3, FA15202-4, FA15202-5, FA15202-6, FA15202-7

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

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA15202
Account: ERMNCR - ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

QC Batch ID: MP27311
Matrix Type: SOLID

Methods: SW846 7471B
Units: ug/l

Prep Date: 05/28/14

Metal	FA15243-1 Original	SDL 1:5	%DIF	QC Limits
Mercury	0.459	0.00	100.0(a)	0-10

Associated samples MP27311: FA15202-1, FA15202-2, FA15202-3, FA15202-4, FA15202-5, FA15202-6, FA15202-7

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: FA15202
Account: ERMNCR - ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

QC Batch ID: MP27317
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 05/29/14

Metal	RL	IDL	MDL	MB raw	final
Aluminum	10	.75	1.6		
Antimony	1.0	.1	.1	0.055	<1.0
Arsenic	0.50	.1	.1	-0.090	<0.50
Barium	10	.05	.05		
Beryllium	0.25	.025	.025	-0.010	<0.25
Cadmium	0.20	.025	.025	-0.015	<0.20
Calcium	250	2.5	2.5		
Chromium	0.50	.05	.05	0.31	* (a)
Cobalt	2.5	.025	.025		
Copper	1.3	.05	.05	0.030	<1.3
Iron	15	.85	1.3		
Lead	1.0	.055	.08	-0.0050	<1.0
Magnesium	250	2.5	2.5		
Manganese	0.75	.025	.025	0.040	<0.75
Molybdenum	2.5	.025	.03		
Nickel	2.0	.025	.025	0.15	<2.0
Potassium	500	10	10		
Selenium	1.0	.12	.15	0.12	<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	-0.040	<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 MP27317: FA15202-5, FA15202-6, FA15202-7, FA15202-8

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) All sample results >10x method blank concentration.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA15202
Account: ERMNCR - ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

QC Batch ID: MP27317
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 05/29/14 05/29/14

Metal	FA15307-1 Original	DUP	RPD	QC Limits	FA15307-1 Original	MSD	Spikelot MPFLICP2	% Rec	MSD RPD	QC Limit
Aluminum										
Antimony	0.099	0.0	200.0(a)	0-20	0.099	18.5	25.6	71.9N(b)	8.5	20
Arsenic	1.3	1.4	7.4	0-20	1.3	103	102	99.3	7.0	20
Barium	anr									
Beryllium	0.0	0.0	NC	0-20	0.0	2.7	2.56	105.5	11.8	20
Cadmium	0.0	0.0	NC	0-20	0.0	2.6	2.56	101.6	8.0	20
Calcium										
Chromium	0.96	1.0	4.1	0-20	0.96	12.0	10.2	107.8	8.7	20
Cobalt										
Copper	0.71	0.77	8.1	0-20	0.71	14.3	12.8	106.2	8.8	20
Iron										
Lead	1.9	2.0	5.1	0-20	1.9	27.7	25.6	100.8	8.3	20
Magnesium										
Manganese	5.7	5.0	13.1	0-20	5.7	32.1	25.6	103.1	8.8	20
Molybdenum										
Nickel	0.30	0.32	6.5	0-20	0.30	27.2	25.6	105.1	7.2	20
Potassium										
Selenium	0.17	0.13	26.7 (a)	0-20	0.17	100	102	97.5	6.6	20
Silver	0.0	0.0	NC	0-20	0.0	2.5	2.56	97.7	8.3	20
Sodium										
Strontium										
Thallium	0.0	0.0	NC	0-20	0.0	100	102	97.7	6.6	20
Tin										
Titanium										
Vanadium										
Zinc	1.4	1.5	6.9	0-20	1.4	27.5	25.6	102.0	9.1	20

Associated samples MP27317: FA15202-5, FA15202-6, FA15202-7, FA15202-8

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.
(b) Spike recovery indicates possible matrix interference and/or sample non-homogeneity.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA15202
Account: ERMNCR - ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

QC Batch ID: MP27317
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 05/29/14

Metal	FA15307-1 Original	MS	Spikelot MPFLICP2	% Rec	QC Limits
Aluminum					
Antimony	0.099	17.0	23.4	72.4N(a)	80-120
Arsenic	1.3	96.0	93.4	101.4	80-120
Barium	anr				
Beryllium	0.0	2.4	2.34	102.8	80-120
Cadmium	0.0	2.4	2.34	102.8	80-120
Calcium					
Chromium	0.96	11.0	9.34	107.5	80-120
Cobalt					
Copper	0.71	13.1	11.7	106.1	80-120
Iron					
Lead	1.9	25.5	23.4	101.1	80-120
Magnesium					
Manganese	5.7	29.4	23.4	101.5	80-120
Molybdenum					
Nickel	0.30	25.3	23.4	107.0	80-120
Potassium					
Selenium	0.17	93.6	93.4	100.0	80-120
Silver	0.0	2.3	2.34	98.5	80-120
Sodium					
Strontium					
Thallium	0.0	93.6	93.4	100.2	80-120
Tin					
Titanium					
Vanadium					
Zinc	1.4	25.1	23.4	101.5	80-120

Associated samples MP27317: FA15202-5, FA15202-6, FA15202-7, FA15202-8

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.

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA15202
Account: ERMNCR - ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

QC Batch ID: MP27317
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 05/29/14

Metal	BSP Result	Spikelot MPFLICP2	% Rec	QC Limits
Aluminum				
Antimony	25.0	25	100.0	80-120
Arsenic	101	100	101.0	80-120
Barium	anr			
Beryllium	2.6	2.5	104.0	80-120
Cadmium	2.5	2.5	100.0	80-120
Calcium				
Chromium	10.5	10	105.0	80-120
Cobalt				
Copper	13.3	12.5	106.4	80-120
Iron				
Lead	24.6	25	98.4	80-120
Magnesium				
Manganese	26.1	25	104.4	80-120
Molybdenum				
Nickel	26.1	25	104.4	80-120
Potassium				
Selenium	99.5	100	99.5	80-120
Silver	2.5	2.5	100.0	80-120
Sodium				
Strontium				
Thallium	98.1	100	98.1	80-120
Tin				
Titanium				
Vanadium				
Zinc	25.6	25	102.4	80-120

Associated samples MP27317: FA15202-5, FA15202-6, FA15202-7, FA15202-8

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

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA15202
Account: ERMNCR - ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

QC Batch ID: MP27317
Matrix Type: SOLID

Methods: SW846 6010C
Units: ug/l

Prep Date: 05/29/14

Metal	FA15307-1 Original	SDL 1:5	%DIF	QC Limits
Aluminum				
Antimony	2.00	0.00	100.0(a)	0-10
Arsenic	27.1	23.4	13.7 (a)	0-10
Barium	anr			
Beryllium	0.00	0.00	NC	0-10
Cadmium	0.00	0.00	NC	0-10
Calcium				
Chromium	19.5	21.0	7.7	0-10
Cobalt				
Copper	14.3	17.0	18.9 (a)	0-10
Iron				
Lead	38.6	42.3	9.6	0-10
Magnesium				
Manganese	116	125	7.8	0-10
Molybdenum				
Nickel	6.10	5.90	3.3	0-10
Potassium				
Selenium	3.40	0.00	100.0(a)	0-10
Silver	0.00	0.00	NC	0-10
Sodium				
Strontium				
Thallium	0.00	0.00	NC	0-10
Tin				
Titanium				
Vanadium				
Zinc	28.1	35.3	25.6 (a)	0-10

Associated samples MP27317: FA15202-5, FA15202-6, FA15202-7, FA15202-8

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: FA15202
Account: ERMNCR - ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

QC Batch ID: MP27317
Matrix Type: SOLID

Methods: SW846 6010C
Units: ug/l

Prep Date: 05/29/14

Metal	Sample ml	Final ml	FA15307-1 Raw	Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum										
Antimony	9.8	10	2	1.96	102.9	0.2	5	100	100.9	80-120
Arsenic	9.8	10	27.1	26.558	129.5	0.2	5	100	102.9	80-120
Barium										
Beryllium	9.8	10			51.7	0.2	2.5	50	103.4	80-120
Cadmium	9.8	10			52.7	0.2	2.5	50	105.4	80-120
Calcium										
Chromium	9.8	10	19.5	19.11	72.2	0.2	2.5	50	106.2	80-120
Cobalt										
Copper	9.8	10	14.3	14.014	119	0.2	5	100	105.0	80-120
Iron										
Lead	9.8	10	38.6	37.828	87.9	0.2	2.5	50	100.1	80-120
Magnesium										
Manganese	9.8	10	116.3	113.974	168.3	0.2	2.5	50	108.7	80-120
Molybdenum										
Nickel	9.8	10	6.1	5.978	114.3	0.2	5	100	108.3	80-120
Potassium										
Selenium	9.8	10	3.4	3.332	101.4	0.2	5	100	98.1	80-120
Silver	9.8	10			49.3	0.2	2.5	50	98.6	80-120
Sodium										
Strontium										
Thallium	9.8	10			100.4	0.2	5	100	100.4	80-120
Tin										
Titanium										
Vanadium										
Zinc	9.8	10	28.1	27.538	285.6	0.2	12.5	250	103.2	80-120

Associated samples MP27317: FA15202-5, FA15202-6, FA15202-7, FA15202-8

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

Reissue #1
06/18/14

Technical Report for

ERM

ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

Accutest Job Number: FA15245

Sampling Date: 05/22/14

Report to:

ERM

gregory.kanellis@erm.com
Lane.Dorman@erm.com; Robert.Laumann@erm.com
ATTN: Lane Dorman

Total number of pages in report: **104**

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.

Harry Behzadi, Ph.D.
Laboratory 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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June 18, 2014

Mr. Gregory Kanellis

ERM NC, Inc.
1130 Situs Court
Suite 250
Raleigh, NC 27606

RE: Accutest job FA15245

Dear Mr. Kanellis,

The final report for job number FA15245 has been revised as per your request. The following edits have been incorporated into the final report.

The Sample IDs for all samples beginning with "GP" have been revised.

Please review your report and advise if you have questions or require anything further.

Sincerely,

Accutest Laboratories, SE

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Accutest Laboratories

Sample Summary

ERM

Job No: FA15245

ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
FA15245-1	05/22/14	10:45	GK	05/23/14	SO	Soil	WP-51 @ 4'
FA15245-1L	05/22/14	10:45	GK	05/23/14	SO	Soil	WP-51 @ 4'
FA15245-2	05/22/14	11:50	GK	05/23/14	SO	Soil	WP-53 @ 1'
FA15245-2L	05/22/14	11:50	GK	05/23/14	SO	Soil	WP-53 @ 1'
FA15245-3	05/22/14	12:00	GK	05/23/14	SO	Soil	WP-53 @ 3'
FA15245-3L	05/22/14	12:00	GK	05/23/14	SO	Soil	WP-53 @ 3'
FA15245-4	05/22/14	12:30	GK	05/23/14	SO	Soil	WP-54 @ 1'
FA15245-4L	05/22/14	12:30	GK	05/23/14	SO	Soil	WP-54 @ 1'
FA15245-5	05/22/14	12:05	GK	05/23/14	SO	Soil	DUP-1
FA15245-6	05/22/14	09:00	GK	05/23/14	AQ	Equipment Blank	RB-1
FA15245-7	05/22/14	00:00	GK	05/23/14	AQ	Trip Blank Soil	TRIP BLANK-2
FA15245-8	05/22/14	00:00	GK	05/23/14	SO	Trip Blank Soil	TRIP BLANK

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

Summary of Hits

Job Number: FA15245
Account: ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC
Collected: 05/22/14

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FA15245-1	**WP-51 @ 4'**					
Trichloroethylene		26.0	6.8	1.4	ug/kg	SW846 8260B
Total TIC, Volatile		250 J			ug/kg	
FA15245-1L	**WP-51 @ 4'**					
Benzene		0.00034 J	0.0010	0.00024	mg/l	SW846 8260B
Ethylbenzene		0.0052	0.0010	0.00028	mg/l	SW846 8260B
Methylene chloride		0.0033 J	0.0050	0.0020	mg/l	SW846 8260B
Tetrachloroethylene		0.0029	0.0010	0.00026	mg/l	SW846 8260B
Toluene		0.0109	0.0010	0.00020	mg/l	SW846 8260B
Xylene (total)		0.0316	0.0030	0.00066	mg/l	SW846 8260B
FA15245-2	**WP-53 @ 1'**					
Trichloroethylene		5.6 J	7.4	1.5	ug/kg	SW846 8260B
FA15245-2L	**WP-53 @ 1'**					
Ethylbenzene		0.0060	0.0010	0.00028	mg/l	SW846 8260B
Toluene		0.0127	0.0010	0.00020	mg/l	SW846 8260B
Xylene (total)		0.0436	0.0030	0.00066	mg/l	SW846 8260B
FA15245-3	**WP-53 @ 3'**					
Trichloroethylene		21.6	6.7	1.4	ug/kg	SW846 8260B
Beryllium [a]		0.26 B	1.1	0.11	mg/kg	SW846 6010C
Copper [a]		55.9	5.6	0.23	mg/kg	SW846 6010C
Manganese [a]		242	3.4	0.11	mg/kg	SW846 6010C
Nickel [a]		20.7	9.0	0.11	mg/kg	SW846 6010C
Zinc [a]		37.1	4.5	0.68	mg/kg	SW846 6010C
FA15245-3L	**WP-53 @ 3'**					
Benzene		0.00064 J	0.0010	0.00024	mg/l	SW846 8260B
Ethylbenzene		0.0116	0.0010	0.00028	mg/l	SW846 8260B
Tetrachloroethylene		0.00041 J	0.0010	0.00026	mg/l	SW846 8260B
Toluene		0.0210	0.0010	0.00020	mg/l	SW846 8260B
Xylene (total)		0.0894	0.0030	0.00066	mg/l	SW846 8260B
FA15245-4	**WP-54 @ 1'**					
Tetrachloroethylene		7.8	5.0	1.3	ug/kg	SW846 8260B
Trichloroethylene		1090	270	55	ug/kg	SW846 8260B

Summary of Hits

Job Number: FA15245
Account: ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC
Collected: 05/22/14

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FA15245-4L	**WP-54 @ 1'**					
Styrene		0.00052 J	0.0010	0.00023	mg/l	SW846 8260B
Toluene		0.00025 J	0.0010	0.00020	mg/l	SW846 8260B
Xylene (total)		0.0019 J	0.0030	0.00066	mg/l	SW846 8260B
FA15245-5	**DUP-1**					
Trichloroethylene		42.5	6.5	1.3	ug/kg	SW846 8260B
Beryllium [a]		0.14 B	0.98	0.098	mg/kg	SW846 6010C
Copper [a]		49.3	4.9	0.20	mg/kg	SW846 6010C
Manganese [a]		215	2.9	0.098	mg/kg	SW846 6010C
Nickel [a]		16.6	7.8	0.098	mg/kg	SW846 6010C
Zinc [a]		34.2	3.9	0.59	mg/kg	SW846 6010C
FA15245-6	**RB-1**					
Toluene		0.58 J	1.0	0.20	ug/l	SW846 8260B
Copper		4.2 B	25	1.0	ug/l	SW846 6010C
Manganese		2.5 B	15	1.0	ug/l	SW846 6010C
Zinc		10.2 B	20	3.0	ug/l	SW846 6010C
FA15245-7	**TRIP BLANK-2**					
Carbon disulfide		0.21 J	2.0	0.20	ug/l	SW846 8260B
Total TIC, Volatile		37 J			ug/l	
FA15245-8	**TRIP BLANK**					

No hits reported in this sample.

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

Southeast ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	WP-51 @ 4'		
Lab Sample ID:	FA15245-1	**Date Sampled:**	05/22/14
Matrix:	SO - Soil	**Date Received:**	05/23/14
Method:	SW846 8260B BY SIM	**Percent Solids:**	82.3
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F0064624.D	1	05/29/14	AH	n/a	n/a	VF2134
Run #2							

	Initial Weight
Run #1	3.98 g
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	7.6	3.1	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	98%		75-126%
17060-07-0	1,2-Dichloroethane-D4	97%		72-135%

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:	WP-51 @ 4'		
Lab Sample ID:	FA15245-1	**Date Sampled:**	05/22/14
Matrix:	SO - Soil	**Date Received:**	05/23/14
Method:	SW846 8260B	**Percent Solids:**	82.3
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y14182.D	1	05/23/14	EP	n/a	n/a	VY636
Run #2							

	Initial Weight
Run #1	4.49 g
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	68	20	ug/kg	
107-02-8	Acrolein	ND	34	15	ug/kg	
107-13-1	Acrylonitrile	ND	34	11	ug/kg	
71-43-2	Benzene	ND	6.8	1.4	ug/kg	
108-86-1	Bromobenzene	ND	6.8	1.5	ug/kg	
74-97-5	Bromochloromethane	ND	6.8	2.6	ug/kg	
75-27-4	Bromodichloromethane	ND	6.8	1.4	ug/kg	
75-25-2	Bromoform	ND	6.8	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	6.8	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	6.8	1.4	ug/kg	
98-06-6	tert-Butylbenzene	ND	6.8	1.4	ug/kg	
108-90-7	Chlorobenzene	ND	6.8	1.4	ug/kg	
75-00-3	Chloroethane	ND	6.8	3.1	ug/kg	
67-66-3	Chloroform	ND	6.8	1.5	ug/kg	
95-49-8	o-Chlorotoluene	ND	6.8	1.4	ug/kg	
106-43-4	p-Chlorotoluene	ND	6.8	1.4	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	34	14	ug/kg	
75-15-0	Carbon disulfide	ND	6.8	1.4	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.8	1.9	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.8	1.4	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.8	1.4	ug/kg	
563-58-6	1,1-Dichloropropene	ND	6.8	1.5	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	6.8	2.9	ug/kg	
106-93-4	1,2-Dibromoethane	ND	6.8	2.4	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.8	1.4	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.8	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	6.8	1.4	ug/kg	
594-20-7	2,2-Dichloropropane	ND	6.8	1.9	ug/kg	
124-48-1	Dibromochloromethane	ND	6.8	1.4	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	6.8	1.7	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.8	1.4	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.8	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:	WP-51 @ 4'		
Lab Sample ID:	FA15245-1	**Date Sampled:**	05/22/14
Matrix:	SO - Soil	**Date Received:**	05/23/14
Method:	SW846 8260B	**Percent Solids:**	82.3
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	ND	6.8	1.4	ug/kg	
95-50-1	o-Dichlorobenzene	ND	6.8	1.4	ug/kg	
106-46-7	p-Dichlorobenzene	ND	6.8	1.5	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.8	1.8	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.8	1.4	ug/kg	
100-41-4	Ethylbenzene	ND	6.8	1.4	ug/kg	
591-78-6	2-Hexanone	ND	34	6.6	ug/kg	
87-68-3	Hexachlorobutadiene	ND	6.8	1.4	ug/kg	
98-82-8	Isopropylbenzene	ND	6.8	1.4	ug/kg	
99-87-6	p-Isopropyltoluene	ND	6.8	1.4	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	34	6.8	ug/kg	
74-83-9	Methyl bromide	ND	6.8	2.5	ug/kg	
74-87-3	Methyl chloride	ND	6.8	2.7	ug/kg	
74-95-3	Methylene bromide	ND	6.8	1.6	ug/kg	
75-09-2	Methylene chloride	ND	14	5.4	ug/kg	
78-93-3	Methyl ethyl ketone	ND	34	10	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	6.8	1.4	ug/kg	
91-20-3	Naphthalene	ND	6.8	2.7	ug/kg	
103-65-1	n-Propylbenzene	ND	6.8	1.4	ug/kg	
100-42-5	Styrene	ND	6.8	1.4	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	6.8	1.4	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.8	1.4	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.8	1.9	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.8	2.2	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	6.8	1.6	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	6.8	2.5	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.8	1.6	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	6.8	1.4	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	6.8	1.4	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.8	1.7	ug/kg	
108-88-3	Toluene	ND	6.8	1.4	ug/kg	
79-01-6	Trichloroethylene	26.0	6.8	1.4	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.8	1.4	ug/kg	
75-01-4	Vinyl chloride	ND	6.8	1.4	ug/kg	
108-05-4	Vinyl Acetate	ND	34	11	ug/kg	
	m,p-Xylene	ND	14	2.2	ug/kg	
95-47-6	o-Xylene	ND	6.8	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:	WP-51 @ 4'		
Lab Sample ID:	FA15245-1	**Date Sampled:**	05/22/14
Matrix:	SO - Soil	**Date Received:**	05/23/14
Method:	SW846 8260B	**Percent Solids:**	82.3
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	85%		75-124%
2037-26-5	Toluene-D8	88%		75-126%
460-00-4	4-Bromofluorobenzene	91%		71-133%
17060-07-0	1,2-Dichloroethane-D4	87%		72-135%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
287-92-3	Cyclopentane	4.20	250	ug/kg	JN
	Total TIC, Volatile		250	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:	WP-51 @ 4'		
Lab Sample ID:	FA15245-1L	**Date Sampled:**	05/22/14
Matrix:	SO - Soil	**Date Received:**	05/23/14
Method:	SW846 8260B SW846 1312	**Percent Solids:**	82.3
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0076819.D	1	06/02/14	RB	05/28/14	OP51772	VN3363
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	0.00034		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	0.0052		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	0.0033		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	0.0029		0.0010	0.00026	mg/l	
108-88-3	Toluene	0.0109		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:	WP-51 @ 4'		
Lab Sample ID:	FA15245-1L	**Date Sampled:**	05/22/14
Matrix:	SO - Soil	**Date Received:**	05/23/14
Method:	SW846 8260B SW846 1312	**Percent Solids:**	82.3
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, 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)	0.0316		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	106%		79-125%
2037-26-5	Toluene-D8	98%		85-112%
460-00-4	4-Bromofluorobenzene	97%		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:	WP-53 @ 1'		
Lab Sample ID:	FA15245-2	**Date Sampled:**	05/22/14
Matrix:	SO - Soil	**Date Received:**	05/23/14
Method:	SW846 8260B BY SIM	**Percent Solids:**	91.5
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F0064625.D	1	05/29/14	AH	n/a	n/a	VF2134
Run #2							

	Initial Weight
Run #1	4.92 g
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	5.6	2.2	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	99%		75-126%
17060-07-0	1,2-Dichloroethane-D4	97%		72-135%

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:	WP-53 @ 1'		
Lab Sample ID:	FA15245-2	**Date Sampled:**	05/22/14
Matrix:	SO - Soil	**Date Received:**	05/23/14
Method:	SW846 8260B	**Percent Solids:**	91.5
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y14183.D	1	05/23/14	EP	n/a	n/a	VY636
Run #2							

	Initial Weight
Run #1	3.70 g
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	74	22	ug/kg	
107-02-8	Acrolein	ND	37	16	ug/kg	
107-13-1	Acrylonitrile	ND	37	12	ug/kg	
71-43-2	Benzene	ND	7.4	1.5	ug/kg	
108-86-1	Bromobenzene	ND	7.4	1.6	ug/kg	
74-97-5	Bromochloromethane	ND	7.4	2.8	ug/kg	
75-27-4	Bromodichloromethane	ND	7.4	1.5	ug/kg	
75-25-2	Bromoform	ND	7.4	1.6	ug/kg	
104-51-8	n-Butylbenzene	ND	7.4	1.5	ug/kg	
135-98-8	sec-Butylbenzene	ND	7.4	1.5	ug/kg	
98-06-6	tert-Butylbenzene	ND	7.4	1.5	ug/kg	
108-90-7	Chlorobenzene	ND	7.4	1.5	ug/kg	
75-00-3	Chloroethane	ND	7.4	3.3	ug/kg	
67-66-3	Chloroform	ND	7.4	1.7	ug/kg	
95-49-8	o-Chlorotoluene	ND	7.4	1.5	ug/kg	
106-43-4	p-Chlorotoluene	ND	7.4	1.5	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	37	15	ug/kg	
75-15-0	Carbon disulfide	ND	7.4	1.5	ug/kg	
56-23-5	Carbon tetrachloride	ND	7.4	2.1	ug/kg	
75-34-3	1,1-Dichloroethane	ND	7.4	1.5	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	7.4	1.5	ug/kg	
563-58-6	1,1-Dichloropropene	ND	7.4	1.6	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	7.4	3.1	ug/kg	
106-93-4	1,2-Dibromoethane	ND	7.4	2.6	ug/kg	
107-06-2	1,2-Dichloroethane	ND	7.4	1.5	ug/kg	
78-87-5	1,2-Dichloropropane	ND	7.4	1.5	ug/kg	
142-28-9	1,3-Dichloropropane	ND	7.4	1.5	ug/kg	
594-20-7	2,2-Dichloropropane	ND	7.4	2.1	ug/kg	
124-48-1	Dibromochloromethane	ND	7.4	1.5	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	7.4	1.9	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	7.4	1.5	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	7.4	1.5	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:	WP-53 @ 1'		
Lab Sample ID:	FA15245-2	**Date Sampled:**	05/22/14
Matrix:	SO - Soil	**Date Received:**	05/23/14
Method:	SW846 8260B	**Percent Solids:**	91.5
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	ND	7.4	1.5	ug/kg	
95-50-1	o-Dichlorobenzene	ND	7.4	1.5	ug/kg	
106-46-7	p-Dichlorobenzene	ND	7.4	1.7	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	7.4	2.0	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	7.4	1.5	ug/kg	
100-41-4	Ethylbenzene	ND	7.4	1.5	ug/kg	
591-78-6	2-Hexanone	ND	37	7.2	ug/kg	
87-68-3	Hexachlorobutadiene	ND	7.4	1.5	ug/kg	
98-82-8	Isopropylbenzene	ND	7.4	1.5	ug/kg	
99-87-6	p-Isopropyltoluene	ND	7.4	1.5	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	37	7.4	ug/kg	
74-83-9	Methyl bromide	ND	7.4	2.8	ug/kg	
74-87-3	Methyl chloride	ND	7.4	3.0	ug/kg	
74-95-3	Methylene bromide	ND	7.4	1.7	ug/kg	
75-09-2	Methylene chloride	ND	15	5.9	ug/kg	
78-93-3	Methyl ethyl ketone	ND	37	11	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	7.4	1.5	ug/kg	
91-20-3	Naphthalene	ND	7.4	3.0	ug/kg	
103-65-1	n-Propylbenzene	ND	7.4	1.5	ug/kg	
100-42-5	Styrene	ND	7.4	1.5	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	7.4	1.6	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	7.4	1.5	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	7.4	2.1	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	7.4	2.4	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	7.4	1.8	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	7.4	2.8	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	7.4	1.7	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	7.4	1.5	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	7.4	1.5	ug/kg	
127-18-4	Tetrachloroethylene	ND	7.4	1.9	ug/kg	
108-88-3	Toluene	ND	7.4	1.5	ug/kg	
79-01-6	Trichloroethylene	5.6	7.4	1.5	ug/kg	J
75-69-4	Trichlorofluoromethane	ND	7.4	1.5	ug/kg	
75-01-4	Vinyl chloride	ND	7.4	1.5	ug/kg	
108-05-4	Vinyl Acetate	ND	37	12	ug/kg	
	m,p-Xylene	ND	15	2.3	ug/kg	
95-47-6	o-Xylene	ND	7.4	1.6	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:	WP-53 @ 1'		
Lab Sample ID:	FA15245-2	**Date Sampled:**	05/22/14
Matrix:	SO - Soil	**Date Received:**	05/23/14
Method:	SW846 8260B	**Percent Solids:**	91.5
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	85%		75-124%
2037-26-5	Toluene-D8	89%		75-126%
460-00-4	4-Bromofluorobenzene	91%		71-133%
17060-07-0	1,2-Dichloroethane-D4	85%		72-135%

CAS No.	Tentatively Identified Compounds [a]	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		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:	WP-53 @ 1'		
Lab Sample ID:	FA15245-2L	**Date Sampled:**	05/22/14
Matrix:	SO - Soil	**Date Received:**	05/23/14
Method:	SW846 8260B SW846 1312	**Percent Solids:**	91.5
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0076820.D	1	06/02/14	RB	05/28/14	OP51772	VN3363
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	0.0060		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	0.0127		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:	WP-53 @ 1'		
Lab Sample ID:	FA15245-2L	**Date Sampled:**	05/22/14
Matrix:	SO - Soil	**Date Received:**	05/23/14
Method:	SW846 8260B SW846 1312	**Percent Solids:**	91.5
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, 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)	0.0436		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	105%		79-125%
2037-26-5	Toluene-D8	96%		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:	WP-53 @ 3'		
Lab Sample ID:	FA15245-3	**Date Sampled:**	05/22/14
Matrix:	SO - Soil	**Date Received:**	05/23/14
Method:	SW846 8260B BY SIM	**Percent Solids:**	86.8
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F0064626.D	1	05/29/14	AH	n/a	n/a	VF2134
Run #2							

	Initial Weight
Run #1	4.17 g
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	6.9	2.8	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	101%		75-126%
17060-07-0	1,2-Dichloroethane-D4	100%		72-135%

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:	WP-53 @ 3'		
Lab Sample ID:	FA15245-3	**Date Sampled:**	05/22/14
Matrix:	SO - Soil	**Date Received:**	05/23/14
Method:	SW846 8260B	**Percent Solids:**	86.8
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y14184.D	1	05/23/14	EP	n/a	n/a	VY636
Run #2							

	Initial Weight
Run #1	4.31 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	
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	
10061-01-5	cis-1,3-Dichloropropene	ND	6.7	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:	WP-53 @ 3'		
Lab Sample ID:	FA15245-3	**Date Sampled:**	05/22/14
Matrix:	SO - Soil	**Date Received:**	05/23/14
Method:	SW846 8260B	**Percent Solids:**	86.8
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
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	2.2	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	21.6	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
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:	WP-53 @ 3'		
Lab Sample ID:	FA15245-3	**Date Sampled:**	05/22/14
Matrix:	SO - Soil	**Date Received:**	05/23/14
Method:	SW846 8260B	**Percent Solids:**	86.8
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	86%		75-124%
2037-26-5	Toluene-D8	86%		75-126%
460-00-4	4-Bromofluorobenzene	91%		71-133%
17060-07-0	1,2-Dichloroethane-D4	89%		72-135%

CAS No.	Tentatively Identified Compounds [a]	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		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:	WP-53 @ 3'		
Lab Sample ID:	FA15245-3	**Date Sampled:**	05/22/14
Matrix:	SO - Soil	**Date Received:**	05/23/14
		Percent Solids:	86.8
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, 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	05/29/14	05/30/14	LM	SW846 6010C [1]	SW846 3050B [2]
Beryllium [a]	0.26 B	1.1	0.11	mg/kg	4	05/29/14	05/30/14	LM	SW846 6010C [1]	SW846 3050B [2]
Copper [a]	55.9	5.6	0.23	mg/kg	4	05/29/14	05/30/14	LM	SW846 6010C [1]	SW846 3050B [2]
Manganese [a]	242	3.4	0.11	mg/kg	4	05/29/14	05/30/14	LM	SW846 6010C [1]	SW846 3050B [2]
Nickel [a]	20.7	9.0	0.11	mg/kg	4	05/29/14	05/30/14	LM	SW846 6010C [1]	SW846 3050B [2]
Thallium [a]	0.34 U	2.3	0.34	mg/kg	4	05/29/14	05/30/14	LM	SW846 6010C [1]	SW846 3050B [2]
Zinc [a]	37.1	4.5	0.68	mg/kg	4	05/29/14	05/30/14	LM	SW846 6010C [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA11633
(2) Prep QC Batch: MP27317

(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:	WP-53 @ 3'		
Lab Sample ID:	FA15245-3L	**Date Sampled:**	05/22/14
Matrix:	SO - Soil	**Date Received:**	05/23/14
Method:	SW846 8260B SW846 1312	**Percent Solids:**	86.8
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0076821.D	1	06/02/14	RB	05/28/14	OP51772	VN3363
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	0.00064		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	0.0116		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	0.00041		0.0010	0.00026	mg/l	J
108-88-3	Toluene	0.0210		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:	WP-53 @ 3'		
Lab Sample ID:	FA15245-3L	**Date Sampled:**	05/22/14
Matrix:	SO - Soil	**Date Received:**	05/23/14
Method:	SW846 8260B SW846 1312	**Percent Solids:**	86.8
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, 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)	0.0894		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	107%		79-125%
2037-26-5	Toluene-D8	98%		85-112%
460-00-4	4-Bromofluorobenzene	95%		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:	WP-54 @ 1'		
Lab Sample ID:	FA15245-4	**Date Sampled:**	05/22/14
Matrix:	SO - Soil	**Date Received:**	05/23/14
Method:	SW846 8260B BY SIM	**Percent Solids:**	93.7
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F0064627.D	1	05/29/14	AH	n/a	n/a	VF2134
Run #2							

	Initial Weight
Run #1	5.21 g
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	5.1	2.0	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	98%		75-126%
17060-07-0	1,2-Dichloroethane-D4	102%		72-135%

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:	WP-54 @ 1'		
Lab Sample ID:	FA15245-4	**Date Sampled:**	05/22/14
Matrix:	SO - Soil	**Date Received:**	05/23/14
Method:	SW846 8260B	**Percent Solids:**	93.7
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y14185.D	1	05/23/14	EP	n/a	n/a	VY636
Run #2	Y14196.D	1	05/27/14	EP	n/a	n/a	VY637

	Initial Weight	Methanol Aliquot
Run #1	5.35 g	
Run #2	5.26 g	100 ul

VOA 8260 List

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	
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	

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:	WP-54 @ 1'		
Lab Sample ID:	FA15245-4	**Date Sampled:**	05/22/14
Matrix:	SO - Soil	**Date Received:**	05/23/14
Method:	SW846 8260B	**Percent Solids:**	93.7
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
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	
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	1.1	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	1.0	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	1.1	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	7.8	5.0	1.3	ug/kg	
108-88-3	Toluene	ND	5.0	1.0	ug/kg	
79-01-6	Trichloroethylene	1090 [a]	270	55	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	

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:	WP-54 @ 1'		
Lab Sample ID:	FA15245-4	**Date Sampled:**	05/22/14
Matrix:	SO - Soil	**Date Received:**	05/23/14
Method:	SW846 8260B	**Percent Solids:**	93.7
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	87%	85%	75-124%
2037-26-5	Toluene-D8	91%	87%	75-126%
460-00-4	4-Bromofluorobenzene	95%	87%	71-133%
17060-07-0	1,2-Dichloroethane-D4	89%	86%	72-135%

CAS No.	Tentatively Identified Compounds [b]	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		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:	WP-54 @ 1'		
Lab Sample ID:	FA15245-4L	**Date Sampled:**	05/22/14
Matrix:	SO - Soil	**Date Received:**	05/23/14
Method:	SW846 8260B SW846 1312	**Percent Solids:**	93.7
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0076822.D	1	06/02/14	RB	05/28/14	OP51772	VN3363
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	0.00052		0.0010	0.00023	mg/l	J
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	0.00025		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:	WP-54 @ 1'		
Lab Sample ID:	FA15245-4L	**Date Sampled:**	05/22/14
Matrix:	SO - Soil	**Date Received:**	05/23/14
Method:	SW846 8260B SW846 1312	**Percent Solids:**	93.7
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, 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)	0.0019		0.0030	0.00066	mg/l	J

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	98%		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:	FA15245-5	**Date Sampled:**	05/22/14
Matrix:	SO - Soil	**Date Received:**	05/23/14
Method:	SW846 8260B BY SIM	**Percent Solids:**	88.9
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F0064628.D	1	05/29/14	AH	n/a	n/a	VF2134
Run #2							

	Initial Weight
Run #1	4.20 g
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	6.7	2.7	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	100%		75-126%
17060-07-0	1,2-Dichloroethane-D4	99%		72-135%

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:	FA15245-5	**Date Sampled:**	05/22/14
Matrix:	SO - Soil	**Date Received:**	05/23/14
Method:	SW846 8260B	**Percent Solids:**	88.9
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y14186.D	1	05/23/14	EP	n/a	n/a	VY636
Run #2							

	Initial Weight
Run #1	4.33 g
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	65	19	ug/kg	
107-02-8	Acrolein	ND	32	14	ug/kg	
107-13-1	Acrylonitrile	ND	32	10	ug/kg	
71-43-2	Benzene	ND	6.5	1.3	ug/kg	
108-86-1	Bromobenzene	ND	6.5	1.4	ug/kg	
74-97-5	Bromochloromethane	ND	6.5	2.5	ug/kg	
75-27-4	Bromodichloromethane	ND	6.5	1.3	ug/kg	
75-25-2	Bromoform	ND	6.5	1.4	ug/kg	
104-51-8	n-Butylbenzene	ND	6.5	1.3	ug/kg	
135-98-8	sec-Butylbenzene	ND	6.5	1.3	ug/kg	
98-06-6	tert-Butylbenzene	ND	6.5	1.3	ug/kg	
108-90-7	Chlorobenzene	ND	6.5	1.3	ug/kg	
75-00-3	Chloroethane	ND	6.5	2.9	ug/kg	
67-66-3	Chloroform	ND	6.5	1.5	ug/kg	
95-49-8	o-Chlorotoluene	ND	6.5	1.3	ug/kg	
106-43-4	p-Chlorotoluene	ND	6.5	1.3	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	32	13	ug/kg	
75-15-0	Carbon disulfide	ND	6.5	1.3	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.5	1.8	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.5	1.3	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.5	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	6.5	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	6.5	2.8	ug/kg	
106-93-4	1,2-Dibromoethane	ND	6.5	2.3	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.5	1.3	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.5	1.3	ug/kg	
142-28-9	1,3-Dichloropropane	ND	6.5	1.3	ug/kg	
594-20-7	2,2-Dichloropropane	ND	6.5	1.8	ug/kg	
124-48-1	Dibromochloromethane	ND	6.5	1.3	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	6.5	1.6	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.5	1.3	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.5	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:	DUP-1		
Lab Sample ID:	FA15245-5	**Date Sampled:**	05/22/14
Matrix:	SO - Soil	**Date Received:**	05/23/14
Method:	SW846 8260B	**Percent Solids:**	88.9
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	ND	6.5	1.3	ug/kg	
95-50-1	o-Dichlorobenzene	ND	6.5	1.3	ug/kg	
106-46-7	p-Dichlorobenzene	ND	6.5	1.5	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.5	1.7	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.5	1.3	ug/kg	
100-41-4	Ethylbenzene	ND	6.5	1.3	ug/kg	
591-78-6	2-Hexanone	ND	32	6.4	ug/kg	
87-68-3	Hexachlorobutadiene	ND	6.5	1.3	ug/kg	
98-82-8	Isopropylbenzene	ND	6.5	1.3	ug/kg	
99-87-6	p-Isopropyltoluene	ND	6.5	1.3	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	32	6.5	ug/kg	
74-83-9	Methyl bromide	ND	6.5	2.4	ug/kg	
74-87-3	Methyl chloride	ND	6.5	2.6	ug/kg	
74-95-3	Methylene bromide	ND	6.5	1.5	ug/kg	
75-09-2	Methylene chloride	ND	13	5.2	ug/kg	
78-93-3	Methyl ethyl ketone	ND	32	9.7	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	6.5	1.3	ug/kg	
91-20-3	Naphthalene	ND	6.5	2.6	ug/kg	
103-65-1	n-Propylbenzene	ND	6.5	1.3	ug/kg	
100-42-5	Styrene	ND	6.5	1.3	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	6.5	1.4	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.5	1.3	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.5	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.5	2.1	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	6.5	1.6	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	6.5	2.4	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.5	1.5	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	6.5	1.3	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	6.5	1.3	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.5	1.6	ug/kg	
108-88-3	Toluene	ND	6.5	1.3	ug/kg	
79-01-6	Trichloroethylene	42.5	6.5	1.3	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.5	1.3	ug/kg	
75-01-4	Vinyl chloride	ND	6.5	1.3	ug/kg	
108-05-4	Vinyl Acetate	ND	32	10	ug/kg	
	m,p-Xylene	ND	13	2.1	ug/kg	
95-47-6	o-Xylene	ND	6.5	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:	DUP-1		
Lab Sample ID:	FA15245-5	**Date Sampled:**	05/22/14
Matrix:	SO - Soil	**Date Received:**	05/23/14
Method:	SW846 8260B	**Percent Solids:**	88.9
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	84%		75-124%
2037-26-5	Toluene-D8	89%		75-126%
460-00-4	4-Bromofluorobenzene	92%		71-133%
17060-07-0	1,2-Dichloroethane-D4	87%		72-135%

CAS No.	Tentatively Identified Compounds [a]	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		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:	DUP-1		
Lab Sample ID:	FA15245-5	**Date Sampled:**	05/22/14
Matrix:	SO - Soil	**Date Received:**	05/23/14
		Percent Solids:	88.9
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Antimony [a]	0.39 U	3.9	0.39	mg/kg	4	05/29/14	05/30/14	LM	SW846 6010C [1]	SW846 3050B [2]
Beryllium [a]	0.14 B	0.98	0.098	mg/kg	4	05/29/14	05/30/14	LM	SW846 6010C [1]	SW846 3050B [2]
Copper [a]	49.3	4.9	0.20	mg/kg	4	05/29/14	05/30/14	LM	SW846 6010C [1]	SW846 3050B [2]
Manganese [a]	215	2.9	0.098	mg/kg	4	05/29/14	05/30/14	LM	SW846 6010C [1]	SW846 3050B [2]
Nickel [a]	16.6	7.8	0.098	mg/kg	4	05/29/14	05/30/14	LM	SW846 6010C [1]	SW846 3050B [2]
Thallium [a]	0.29 U	2.0	0.29	mg/kg	4	05/29/14	05/30/14	LM	SW846 6010C [1]	SW846 3050B [2]
Zinc [a]	34.2	3.9	0.59	mg/kg	4	05/29/14	05/30/14	LM	SW846 6010C [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA11633
(2) Prep QC Batch: MP27317

(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:	RB-1		
Lab Sample ID:	FA15245-6	**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 Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z26078.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	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:	RB-1		
Lab Sample ID:	FA15245-6	**Date Sampled:**	05/22/14
Matrix:	AQ - Equipment Blank	**Date Received:**	05/23/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0076805.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:	RB-1		
Lab Sample ID:	FA15245-6	**Date Sampled:**	05/22/14
Matrix:	AQ - Equipment Blank	**Date Received:**	05/23/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, 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	0.58	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:	RB-1		
Lab Sample ID:	FA15245-6	**Date Sampled:**	05/22/14
Matrix:	AQ - Equipment Blank	**Date Received:**	05/23/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, 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	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	2.39	1700	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:	RB-1		
Lab Sample ID:	FA15245-6	**Date Sampled:**	05/22/14
Matrix:	AQ - Equipment Blank	**Date Received:**	05/23/14
		Percent Solids:	n/a
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, 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	2.5 B	15	1.0	ug/l	1	05/28/14	05/28/14	LM	SW846 6010C [1]	SW846 3010A [2]
Nickel	0.50 U	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	10.2 B	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

Accutest Laboratories

Report of Analysis

Client Sample ID:	TRIP BLANK-2		
Lab Sample ID:	FA15245-7	**Date Sampled:**	05/22/14
Matrix:	AQ - Trip Blank Soil	**Date Received:**	05/23/14
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z26079.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-2		
Lab Sample ID:	FA15245-7	**Date Sampled:**	05/22/14
Matrix:	AQ - Trip Blank Soil	**Date Received:**	05/23/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0076806.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	0.21	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:	TRIP BLANK-2		
Lab Sample ID:	FA15245-7	**Date Sampled:**	05/22/14
Matrix:	AQ - Trip Blank Soil	**Date Received:**	05/23/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, 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-2		
Lab Sample ID:	FA15245-7	**Date Sampled:**	05/22/14
Matrix:	AQ - Trip Blank Soil	**Date Received:**	05/23/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, 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	111%		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	1600	ug/l	JNB
67-63-0	Isopropyl Alcohol	4.78	37	ug/l	JN
	Total TIC, Volatile		37	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:	TRIP BLANK		
Lab Sample ID:	FA15245-8	**Date Sampled:**	05/22/14
Matrix:	SO - Trip Blank Soil	**Date Received:**	05/23/14
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F0064623.D	1	05/29/14	AH	n/a	n/a	VF2134
Run #2							

	Initial Weight
Run #1	5.00 g
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	5.0	2.0	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	101%		75-126%
17060-07-0	1,2-Dichloroethane-D4	103%		72-135%

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:	FA15245-8	**Date Sampled:**	05/22/14
Matrix:	SO - Trip Blank Soil	**Date Received:**	05/23/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y14187.D	1	05/23/14	EP	n/a	n/a	VY636
Run #2							

	Initial Weight
Run #1	5.00 g
Run #2	

VOA 8260 List

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	
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	

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:	FA15245-8	**Date Sampled:**	05/22/14
Matrix:	SO - Trip Blank Soil	**Date Received:**	05/23/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
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	
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	

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:	FA15245-8	**Date Sampled:**	05/22/14
Matrix:	SO - Trip Blank Soil	**Date Received:**	05/23/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	87%		75-124%
2037-26-5	Toluene-D8	88%		75-126%
460-00-4	4-Bromofluorobenzene	92%		71-133%
17060-07-0	1,2-Dichloroethane-D4	87%		72-135%

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

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 # FA15245 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: E-mail: Lane.Dorman@erm.com
Phone#: 919-233-4501
Sampler(s) Name(s) (Printed): G. Korelli's

Project Information

Project Name: ECI Whitsett
Street: 1239 Rock Creek Dairy Rd.
City: Whitsett 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	Container Information: Other	None	HCl	NaOH	HNO3	H2SO4	NaOH+ZnAc	DI Water	MeOH	Total Sb, Be, Cu, Mn, Ni, Tl, Zn	VOC + 10 TICs 8260	1,4 Dioxane 8260SIM	SPLP VOC
1	GP-51@4'	5/22/14	1045	GK	SO	4		X						1	2		X	X	X
2	GP-53@1'		1150			4		X						1	2		X	X	X
3	GP-53@3'		1200			5		2						1	2	X	X	X	X
4	GP-54@1'		1230			4		1						1	2		X	X	X
5	Dup-1		1205			4		1						1	2	X	X	X	
6	RB-1		0900		WW	7			6		1					X	X	X	
7	Trip Blank-2		–	–	–	2									1		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)
- [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 G. Korelli's	5/22/14 1500	2 Brent Fader	3 Brent Fader	5/23/14 1800	4 FX
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: 3.3

FA15245: Chain of Custody
Page 1 of 4

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: FA15245 CLIENT: ERM PROJECT: ECI Whitsett

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: 8037 2093 7037

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
- [x] RECEIVED SOIL TRIP BLANK

MISC. INFORMATION

NUMBER OF ENCORES ? 25-GRAM_____ 5-GRAM_____

NUMBER OF 5035 FIELD KITS ? 5+1 TripBlank

NUMBER OF LAB FILTERED METALS ? _____

TEMPERATURE INFORMATION

- [ ] IR THERM ID 3 CORR. FACTOR -0.2
- [ ] OBSERVED TEMPS: 3.5
- [ ] CORRECTED TEMPS: 3.3

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] 05/23/14 REVIEWER SIGNATURE/DATE [signature] 05-23-14

RS 04/14

receipt confirmation 041514.xls

4.1

4

FA15245: Chain of Custody

Page 2 of 4

FedEx Express NEW Package US Airbill

FedEx Tracking Number 8037 2093 7037

1 From

Date 5/22/14

Sender's Name Ben. George Phone 615 656-7160

Company ERM

Address 5000 Meridian Blvd #300

Dept./Floor/Suite/Room

City Franklin State TN ZIP 37067

2 Your Internal Billing Reference

3 To

Recipient's Name Sample Receiving Phone 407 425-6700

Company Accutest Laboratories

Address 4405 Vineland Rd.

We cannot deliver to P.O. boxes or P.O. ZIP codes.

Dept./Floor/Suite/Room

Address Suite C-15

Use this line for the HOLD location address or for continuation of your shipping address.

City Orlando State FL ZIP 32811

HOLD Weekday FedEx location address

HOLD Saturday FedEx location address

8037 2093 7037

Recipient's Copy

4 Express Package Service

NOTE: Service order has changed. Please select carefully.

Packages up to 150 lbs.

Next Business Day

- FedEx First Overnight
- FedEx Priority Overnight
- FedEx Standard

2 or 3 Business Days

- FedEx 2Day A.M.
- FedEx 2Day

5 Packaging

FedEx Envelope

6 Special Han

SATURDAY Del

No Signature R

Does this shipme

No

7 Payment

Sender

Total Packages 1

ORIGIN ID:THAA (792) 328-0200
ACCUTEST LABORATORIES SE, INC
4405 VINELAND RD STE C15
ORLANDO, FL 328115803
UNITED STATES US

SHIP DATE:
ACTWGT: 24
CAD: /PDS150
DIMS: 17x13x

BILL SENDER

TO

ACCUTEST LABORATORIES SE, INC
4405 VINELAND RD
STE C15
ORLANDO FL 32811
(407) 425-6700

REF:

DEPT:

TRK# 8037 2093 7037

FRI - 23 MAY
PRIORITY OVE

FA15245: Chain of Custody
Page 3 of 4

Job Change Order: FA15245_6/18/2014

Requested Date:	6/18/2014	**Received Date:**	5/23/2014
Account Name:	ERM	**Due Date:**	6/02/2014
Project	ECI Whitsett; 1239 Rock Creek Dairy Rd,	**Deliverable:**	COMMB
CSR:	JDS	**TAT (Days):**	1

Sample #:
FA15245-1-4, 1L-4L

Change: Per client, please change the sample IDs for the samples that start with"GP" and make them "WP". Thank you.

Above Changes Per: client, Greg Kanellis, via e-mail **Date:** 6/18/2014

To Client: This Change Order is confirmation of the revisions, previously discussed with the Accutest Client Service

Page 1 of 1

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: FA15245
Account: ERMNCR ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF2134-MB	F0064622.D	1	05/29/14	AH	n/a	n/a	VF2134

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

FA15245-1, FA15245-2, FA15245-3, FA15245-4, FA15245-5, FA15245-8

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	5.0	2.0	ug/kg	

CAS No.	Surrogate Recoveries		Limits
2037-26-5	Toluene-D8	102%	75-126%
17060-07-0	1,2-Dichloroethane-D4	102%	72-135%

Method Blank Summary

Job Number: FA15245
Account: ERMNCR ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, 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

FA15245-6, FA15245-7

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: FA15245
Account: ERMNCR ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VY636-MB	Y14167.D	1	05/23/14	EP	n/a	n/a	VY636

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

FA15245-1, FA15245-2, FA15245-3, FA15245-4, FA15245-5, FA15245-8

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	
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	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.3	ug/kg	

Method Blank Summary

Job Number: FA15245
Account: ERMNCR ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VY636-MB	Y14167.D	1	05/23/14	EP	n/a	n/a	VY636

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

FA15245-1, FA15245-2, FA15245-3, FA15245-4, FA15245-5, FA15245-8

CAS No.	Compound	Result	RL	MDL	Units	Q
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: FA15245
Account: ERMNCR ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VY636-MB	Y14167.D	1	05/23/14	EP	n/a	n/a	VY636

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

FA15245-1, FA15245-2, FA15245-3, FA15245-4, FA15245-5, FA15245-8

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	86%	75-124%
2037-26-5	Toluene-D8	88%	75-126%
460-00-4	4-Bromofluorobenzene	93%	71-133%
17060-07-0	1,2-Dichloroethane-D4	87%	72-135%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	column bleed	11.45	3.1	ug/kg	J
	column bleed	13.37	4.8	ug/kg	J
	Total TIC, Volatile		7.9	ug/kg	J

Method Blank Summary

Job Number: FA15245
Account: ERMNCR ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VY637-MB	Y14195.D	1	05/27/14	EP	n/a	n/a	VY637

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

FA15245-4

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	5.0	1.0	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	87%	75-124%
2037-26-5	Toluene-D8	83%	75-126%
460-00-4	4-Bromofluorobenzene	93%	71-133%
17060-07-0	1,2-Dichloroethane-D4	88%	72-135%

Method Blank Summary

Job Number: FA15245
Account: ERMNCR ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, 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

FA15245-6, FA15245-7

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: FA15245
Account: ERMNCR ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, 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

FA15245-6, FA15245-7

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: FA15245
Account: ERMNCR ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, 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

FA15245-6, FA15245-7

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	

Leachate Blank Summary

Job Number: FA15245
Account: ERMNCR ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP51772-LB	N0076818.D	1	06/02/14	RB	05/28/14	OP51772	VN3363

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

FA15245-1L, FA15245-2L, FA15245-3L, FA15245-4L

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: FA15245
Account: ERMNCR ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP51772-LB	N0076818.D	1	06/02/14	RB	05/28/14	OP51772	VN3363

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

FA15245-1L, FA15245-2L, FA15245-3L, FA15245-4L

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	100%	83-118%
17060-07-0	1,2-Dichloroethane-D4	106%	79-125%
2037-26-5	Toluene-D8	98%	85-112%
460-00-4	4-Bromofluorobenzene	102%	83-118%

Blank Spike Summary

Job Number: FA15245
Account: ERMNCR ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF2134-BS	F0064621.D	1	05/29/14	AH	n/a	n/a	VF2134

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

FA15245-1, FA15245-2, FA15245-3, FA15245-4, FA15245-5, FA15245-8

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
123-91-1	1,4-Dioxane	50	50.4	101	56-152

CAS No.	Surrogate Recoveries	BSP	Limits
2037-26-5	Toluene-D8	100%	75-126%
17060-07-0	1,2-Dichloroethane-D4	98%	72-135%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA15245
Account: ERMNCR ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, 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

FA15245-6, FA15245-7

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: FA15245
Account: ERMNCR ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VY636-BS	Y14166.D	1	05/23/14	EP	n/a	n/a	VY636

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

FA15245-1, FA15245-2, FA15245-3, FA15245-4, FA15245-5, FA15245-8

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	282	113	48-178
107-13-1	Acrylonitrile	250	267	107	66-134
71-43-2	Benzene	50	51.1	102	76-126
108-86-1	Bromobenzene	50	52.9	106	76-122
74-97-5	Bromochloromethane	50	52.4	105	77-120
75-27-4	Bromodichloromethane	50	52.5	105	74-130
75-25-2	Bromoform	50	54.4	109	76-127
104-51-8	n-Butylbenzene	50	51.5	103	71-128
135-98-8	sec-Butylbenzene	50	55.4	111	79-135
98-06-6	tert-Butylbenzene	50	53.4	107	77-133
108-90-7	Chlorobenzene	50	56.9	114	81-129
75-00-3	Chloroethane	50	48.7	97	68-133
67-66-3	Chloroform	50	50.7	101	72-123
95-49-8	o-Chlorotoluene	50	54.5	109	77-129
106-43-4	p-Chlorotoluene	50	54.5	109	80-134
110-75-8	2-Chloroethyl vinyl ether	250	253	101	45-159
75-15-0	Carbon disulfide	50	55.8	112	72-122
56-23-5	Carbon tetrachloride	50	51.8	104	78-133
75-34-3	1,1-Dichloroethane	50	50.5	101	73-125
75-35-4	1,1-Dichloroethylene	50	48.1	96	81-136
563-58-6	1,1-Dichloropropene	50	52.2	104	75-130
96-12-8	1,2-Dibromo-3-chloropropane	50	52.2	104	70-137
106-93-4	1,2-Dibromoethane	50	54.1	108	77-126
107-06-2	1,2-Dichloroethane	50	52.0	104	74-128
78-87-5	1,2-Dichloropropane	50	51.9	104	74-125
142-28-9	1,3-Dichloropropane	50	53.0	106	76-122
594-20-7	2,2-Dichloropropane	50	54.2	108	77-133
124-48-1	Dibromochloromethane	50	54.8	110	76-127
75-71-8	Dichlorodifluoromethane	50	49.0	98	68-168
156-59-2	cis-1,2-Dichloroethylene	50	52.3	105	74-126
10061-01-5	cis-1,3-Dichloropropene	50	52.0	104	80-123
541-73-1	m-Dichlorobenzene	50	58.4	117	81-129
95-50-1	o-Dichlorobenzene	50	57.0	114	80-129
106-46-7	p-Dichlorobenzene	50	53.1	106	76-130
156-60-5	trans-1,2-Dichloroethylene	50	49.7	99	70-127

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA15245
Account: ERMNCR ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VY636-BS	Y14166.D	1	05/23/14	EP	n/a	n/a	VY636

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

FA15245-1, FA15245-2, FA15245-3, FA15245-4, FA15245-5, FA15245-8

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
10061-02-6	trans-1,3-Dichloropropene	50	56.8	114	75-131
100-41-4	Ethylbenzene	50	51.5	103	77-123
591-78-6	2-Hexanone	250	267	107	72-133
87-68-3	Hexachlorobutadiene	50	52.9	106	74-136
98-82-8	Isopropylbenzene	50	56.2	112	80-136
99-87-6	p-Isopropyltoluene	50	55.2	110	77-131
108-10-1	4-Methyl-2-pentanone	250	265	106	76-132
74-83-9	Methyl bromide	50	52.8	106	65-139
74-87-3	Methyl chloride	50	51.4	103	71-144
74-95-3	Methylene bromide	50	52.1	104	74-124
75-09-2	Methylene chloride	50	50.3	101	74-137
78-93-3	Methyl ethyl ketone	250	278	111	75-137
1634-04-4	Methyl Tert Butyl Ether	50	51.9	104	77-120
91-20-3	Naphthalene	50	53.7	107	79-129
103-65-1	n-Propylbenzene	50	55.3	111	80-135
100-42-5	Styrene	50	54.2	108	78-125
630-20-6	1,1,1,2-Tetrachloroethane	50	54.9	110	78-126
71-55-6	1,1,1-Trichloroethane	50	53.2	106	70-129
79-34-5	1,1,2,2-Tetrachloroethane	50	53.1	106	71-126
79-00-5	1,1,2-Trichloroethane	50	52.2	104	74-124
87-61-6	1,2,3-Trichlorobenzene	50	54.5	109	77-128
96-18-4	1,2,3-Trichloropropane	50	54.7	109	74-127
120-82-1	1,2,4-Trichlorobenzene	50	55.8	112	78-130
95-63-6	1,2,4-Trimethylbenzene	50	52.1	104	74-123
108-67-8	1,3,5-Trimethylbenzene	50	50.7	101	73-122
127-18-4	Tetrachloroethylene	50	51.4	103	79-130
108-88-3	Toluene	50	51.7	103	76-124
79-01-6	Trichloroethylene	50	50.6	101	75-128
75-69-4	Trichlorofluoromethane	50	51.3	103	73-145
75-01-4	Vinyl chloride	50	48.6	97	76-141
108-05-4	Vinyl Acetate	250	303	121	48-164
	m,p-Xylene	100	109	109	80-128
95-47-6	o-Xylene	50	55.8	112	80-132

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA15245
Account: ERMNCR ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VY636-BS	Y14166.D	1	05/23/14	EP	n/a	n/a	VY636

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

FA15245-1, FA15245-2, FA15245-3, FA15245-4, FA15245-5, FA15245-8

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	86%	75-124%
2037-26-5	Toluene-D8	87%	75-126%
460-00-4	4-Bromofluorobenzene	86%	71-133%
17060-07-0	1,2-Dichloroethane-D4	84%	72-135%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA15245
Account: ERMNCR ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VY637-BS	Y14194.D	1	05/27/14	EP	n/a	n/a	VY637

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

FA15245-4

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
79-01-6	Trichloroethylene	50	50.2	100	75-128

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	88%	75-124%
2037-26-5	Toluene-D8	85%	75-126%
460-00-4	4-Bromofluorobenzene	87%	71-133%
17060-07-0	1,2-Dichloroethane-D4	85%	72-135%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA15245
Account: ERMNCR ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, 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

FA15245-6, FA15245-7

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: FA15245
Account: ERMNCR ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, 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

FA15245-6, FA15245-7

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: FA15245
Account: ERMNCR ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, 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

FA15245-6, FA15245-7

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.

Blank Spike Summary

Job Number: FA15245
Account: ERMNCR ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VN3363-BS	N0076816.D	1	06/02/14	RB	n/a	n/a	VN3363

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

FA15245-1L, FA15245-2L, FA15245-3L, FA15245-4L

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	180	144	50-147
71-43-2	Benzene	25	24.5	98	81-122
75-27-4	Bromodichloromethane	25	25.3	101	79-123
75-25-2	Bromoform	25	23.7	95	66-123
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
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
107-06-2	1,2-Dichloroethane	25	26.1	104	75-125
78-87-5	1,2-Dichloropropane	25	24.4	98	76-124
124-48-1	Dibromochloromethane	25	24.0	96	78-122
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
156-60-5	trans-1,2-Dichloroethylene	25	25.5	102	76-127
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
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
75-09-2	Methylene chloride	25	23.5	94	69-135
78-93-3	Methyl ethyl ketone	125	145	116	56-143
100-42-5	Styrene	25	25.8	103	78-119
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
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
75-01-4	Vinyl chloride	25	24.8	99	69-159
1330-20-7	Xylene (total)	75	76.4	102	80-126

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA15245
Account: ERMNCR ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VN3363-BS	N0076816.D	1	06/02/14	RB	n/a	n/a	VN3363

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

FA15245-1L, FA15245-2L, FA15245-3L, FA15245-4L

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: FA15245
Account: ERMNCR ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA15245-1MS	F0064629.D	1	05/29/14	AH	n/a	n/a	VF2134
FA15245-1MSD	F0064630.D	1	05/29/14	AH	n/a	n/a	VF2134
FA15245-1	F0064624.D	1	05/29/14	AH	n/a	n/a	VF2134

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

FA15245-1, FA15245-2, FA15245-3, FA15245-4, FA15245-5, FA15245-8

CAS No.	Compound	FA15245-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
123-91-1	1,4-Dioxane	ND		65.6	64.6	98	63	67.3	107	4	56-152/37

CAS No.	Surrogate Recoveries	MS	MSD	FA15245-1	Limits
2037-26-5	Toluene-D8	102%	96%	98%	75-126%
17060-07-0	1,2-Dichloroethane-D4	99%	97%	97%	72-135%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA15245
Account: ERMNCR ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, 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

FA15245-6, FA15245-7

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: FA15245
Account: ERMNCR ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA15241-2MS	Y14180.D	1	05/23/14	EP	n/a	n/a	VY636
FA15241-2MSD	Y14181.D	1	05/23/14	EP	n/a	n/a	VY636
FA15241-2 [a]	Y14171.D	1	05/23/14	EP	n/a	n/a	VY636
FA15241-2 [a]	Y14178.D	1	05/23/14	EP	n/a	n/a	VY636

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

FA15245-1, FA15245-2, FA15245-3, FA15245-4, FA15245-5, FA15245-8

CAS No.	Compound	FA15241-2 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	8100 U [b]		40600	43600	107	40600	41500	102	5	61-152/27
107-02-8	Acrolein	4100 U [b]		40600	43600	107	40600	40800	100	7	48-178/37
107-13-1	Acrylonitrile	4100 U [b]		40600	41500	102	40600	40700	100	2	66-134/26
71-43-2	Benzene	810 U [b]		8120	7910	97	8120	7820	96	1	76-126/26
108-86-1	Bromobenzene	810 U [b]		8120	8330	103	8120	8370	103	0	76-122/32
74-97-5	Bromochloromethane	810 U [b]		8120	8390	103	8120	8140	100	3	77-120/24
75-27-4	Bromodichloromethane	810 U [b]		8120	8210	101	8120	8000	99	3	74-130/25
75-25-2	Bromoform	810 U [b]		8120	8390	103	8120	8170	101	3	76-127/26
104-51-8	n-Butylbenzene	810 U [b]		8120	8070	99	8120	8060	99	0	71-128/35
135-98-8	sec-Butylbenzene	810 U [b]		8120	8330	103	8120	8340	103	0	79-135/34
98-06-6	tert-Butylbenzene	810 U [b]		8120	8110	100	8120	8190	101	1	77-133/34
108-90-7	Chlorobenzene	810 U [b]		8120	8630	106	8120	8550	105	1	81-129/29
75-00-3	Chloroethane	810 U [b]		8120	5280	65*	8120	5240	65*	1	68-133/29
67-66-3	Chloroform	810 U [b]		8120	7950	98	8120	7870	97	1	72-123/26
95-49-8	o-Chlorotoluene	810 U [b]		8120	8350	103	8120	8300	102	1	77-129/33
106-43-4	p-Chlorotoluene	810 U [b]		8120	8350	103	8120	8300	102	1	80-134/33
110-75-8	2-Chloroethyl vinyl ether	4100 U [b]		40600	41000	101	40600	40500	100	1	45-159/26
75-15-0	Carbon disulfide	810 U [b]		8120	8120	100	8120	8050	99	1	72-122/29
56-23-5	Carbon tetrachloride	810 U [b]		8120	7610	94	8120	7410	91	3	78-133/29
75-34-3	1,1-Dichloroethane	810 U [b]		8120	7850	97	8120	7700	95	2	73-125/27
75-35-4	1,1-Dichloroethylene	810 U [b]		8120	7330	90	8120	7320	90	0	81-136/28
563-58-6	1,1-Dichloropropene	810 U [b]		8120	7770	96	8120	7770	96	0	75-130/28
96-12-8	1,2-Dibromo-3-chloropropane	810 U [b]		8120	8320	102	8120	8260	102	1	70-137/29
106-93-4	1,2-Dibromoethane	810 U [b]		8120	8420	104	8120	8190	101	3	77-126/26
107-06-2	1,2-Dichloroethane	810 U [b]		8120	8150	100	8120	8120	100	0	74-128/23
78-87-5	1,2-Dichloropropane	810 U [b]		8120	7970	98	8120	8030	99	1	74-125/25
142-28-9	1,3-Dichloropropane	810 U [b]		8120	8320	102	8120	8020	99	4	76-122/26
594-20-7	2,2-Dichloropropane	810 U [b]		8120	8630	106	8120	8100	100	6	77-133/28
124-48-1	Dibromochloromethane	810 U [b]		8120	8360	103	8120	8260	102	1	76-127/27
75-71-8	Dichlorodifluoromethane	810 U [b]		8120	6910	85	8120	6910	85	0	68-168/29
156-59-2	cis-1,2-Dichloroethylene	810 U [b]		8120	8060	99	8120	7830	96	3	74-126/26
10061-01-5	cis-1,3-Dichloropropene	810 U [b]		8120	8130	100	8120	8090	100	0	80-123/26
541-73-1	m-Dichlorobenzene	810 U [b]		8120	9080	112	8120	9040	111	0	81-129/33
95-50-1	o-Dichlorobenzene	810 U [b]		8120	8910	110	8120	8960	110	1	80-129/32
106-46-7	p-Dichlorobenzene	810 U [b]		8120	8390	103	8120	8450	104	1	76-130/32
156-60-5	trans-1,2-Dichloroethylene	810 U [b]		8120	7630	94	8120	7490	92	2	70-127/27

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA15245
Account: ERMNCR ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA15241-2MS	Y14180.D	1	05/23/14	EP	n/a	n/a	VY636
FA15241-2MSD	Y14181.D	1	05/23/14	EP	n/a	n/a	VY636
FA15241-2 [a]	Y14171.D	1	05/23/14	EP	n/a	n/a	VY636
FA15241-2 [a]	Y14178.D	1	05/23/14	EP	n/a	n/a	VY636

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

FA15245-1, FA15245-2, FA15245-3, FA15245-4, FA15245-5, FA15245-8

CAS No.	Compound	FA15241-2 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
10061-02-6	trans-1,3-Dichloropropene	810 U [b]		8120	8660	107	8120	8550	105	1	75-131/28
100-41-4	Ethylbenzene	810 U [b]		8120	8070	99	8120	7820	96	3	77-123/31
591-78-6	2-Hexanone	4100 U [b]		40600	40200	99	40600	39600	98	2	72-133/26
87-68-3	Hexachlorobutadiene	810 U [b]		8120	8040	99	8120	8410	104	4	74-136/38
98-82-8	Isopropylbenzene	810 U [b]		8120	8500	105	8120	8350	103	2	80-136/32
99-87-6	p-Isopropyltoluene	810 U [b]		8120	8530	105	8120	8470	104	1	77-131/34
108-10-1	4-Methyl-2-pentanone	4100 U [b]		40600	40000	99	40600	39000	96	3	76-132/26
74-83-9	Methyl bromide	810 U [b]		8120	7980	98	8120	7930	98	1	65-139/31
74-87-3	Methyl chloride	810 U [b]		8120	7600	94	8120	7680	95	1	71-144/27
74-95-3	Methylene bromide	810 U [b]		8120	8240	101	8120	8100	100	2	74-124/24
75-09-2	Methylene chloride	1600 U [b]		8120	7710	95	8120	7580	93	2	74-137/28
78-93-3	Methyl ethyl ketone	4100 U [b]		40600	41700	103	40600	41500	102	0	75-137/25
1634-04-4	Methyl Tert Butyl Ether	810 U [b]		8120	8090	100	8120	8010	99	1	77-120/24
91-20-3	Naphthalene	810 U [b]		8120	8650	107	8120	8760	108	1	79-129/33
103-65-1	n-Propylbenzene	810 U [b]		8120	8430	104	8120	8400	103	0	80-135/33
100-42-5	Styrene	810 U [b]		8120	8450	104	8120	8300	102	2	78-125/30
630-20-6	1,1,1,2-Tetrachloroethane	810 U [b]		8120	8410	104	8120	8200	101	3	78-126/27
71-55-6	1,1,1-Trichloroethane	810 U [b]		8120	8030	99	8120	7750	95	4	70-129/27
79-34-5	1,1,2,2-Tetrachloroethane	810 U [b]		8120	8050	99	8120	8120	100	1	71-126/30
79-00-5	1,1,2-Trichloroethane	810 U [b]		8120	8050	99	8120	8030	99	0	74-124/28
87-61-6	1,2,3-Trichlorobenzene	810 U [b]		8120	8920	110	8120	9060	112	2	77-128/35
96-18-4	1,2,3-Trichloropropane	810 U [b]		8120	8160	100	8120	8140	100	0	74-127/27
120-82-1	1,2,4-Trichlorobenzene	810 U [b]		8120	9330	115	8120	9190	113	2	78-130/34
95-63-6	1,2,4-Trimethylbenzene	810 U [b]		8120	8080	100	8120	8160	100	1	74-123/34
108-67-8	1,3,5-Trimethylbenzene	810 U [b]		8120	7920	98	8120	7870	97	1	73-122/33
127-18-4	Tetrachloroethylene	810 U [b]		8120	8400	103	8120	8170	101	3	79-130/31
108-88-3	Toluene	810 U [b]		8120	7920	98	8120	7750	95	2	76-124/30
79-01-6	Trichloroethylene	810 U [b]		8120	7840	97	8120	7810	96	0	75-128/27
75-69-4	Trichlorofluoromethane	810 U [b]		8120	7090	87	8120	6430	79	10	73-145/31
75-01-4	Vinyl chloride	810 U [b]		8120	7240	89	8120	7130	88	2	76-141/27
108-05-4	Vinyl Acetate	4100 U [b]		40600	49500	122	40600	50300	124	2	48-164/37
	m,p-Xylene	1600 U [b]		16200	16700	103	16200	16400	101	2	80-128/30
95-47-6	o-Xylene	810 U [b]		8120	8600	106	8120	8440	104	2	80-132/30

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA15245
Account: ERMNCR ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA15241-2MS	Y14180.D	1	05/23/14	EP	n/a	n/a	VY636
FA15241-2MSD	Y14181.D	1	05/23/14	EP	n/a	n/a	VY636
FA15241-2 [a]	Y14171.D	1	05/23/14	EP	n/a	n/a	VY636
FA15241-2 [a]	Y14178.D	1	05/23/14	EP	n/a	n/a	VY636

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

FA15245-1, FA15245-2, FA15245-3, FA15245-4, FA15245-5, FA15245-8

CAS No.	Surrogate Recoveries	MS	MSD	FA15241-2	FA15241-2	Limits
1868-53-7	Dibromofluoromethane	89%	85%	87%	90%	75-124%
2037-26-5	Toluene-D8	87%	85%	100%	110%	75-126%
460-00-4	4-Bromofluorobenzene	86%	85%	129%	139%* [c]	71-133%
17060-07-0	1,2-Dichloroethane-D4	84%	81%	83%	90%	72-135%

(a) Sample was prepared from a bulk container. Confirmation run for internal standard areas.
(b) Result is from Run #3.
(c) Outside control limits due to matrix interference.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA15245
Account: ERMNCR ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA15286-3MS	Y14213.D	1	05/27/14	EP	n/a	n/a	VY637
FA15286-3MSD	Y14214.D	1	05/27/14	EP	n/a	n/a	VY637
FA15286-3	Y14199.D	1	05/27/14	EP	n/a	n/a	VY637

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

FA15245-4

CAS No.	Compound	FA15286-3 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
79-01-6	Trichloroethylene	ND		86.5	76.4	88	86.1	77.6	90	2	75-128/27

CAS No.	Surrogate Recoveries	MS	MSD	FA15286-3	Limits
1868-53-7	Dibromofluoromethane	86%	86%	88%	75-124%
2037-26-5	Toluene-D8	86%	87%	85%	75-126%
460-00-4	4-Bromofluorobenzene	85%	87%	91%	71-133%
17060-07-0	1,2-Dichloroethane-D4	83%	83%	94%	72-135%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA15245
Account: ERMNCR ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, 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

FA15245-6, FA15245-7

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: FA15245
Account: ERMNCR ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, 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

FA15245-6, FA15245-7

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: FA15245
Account: ERMNCR ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, 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

FA15245-6, FA15245-7

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.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA15245
Account: ERMNCR ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA15245-1LMS	N0076823.D	1	06/02/14	RB	n/a	n/a	VN3363
FA15245-1LMSD	N0076824.D	1	06/02/14	RB	n/a	n/a	VN3363
FA15245-1L	N0076819.D	1	06/02/14	RB	05/28/14	OP51772	VN3363

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

FA15245-1L, FA15245-2L, FA15245-3L, FA15245-4L

CAS No.	Compound	FA15245-1L 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	90.2	72	125	90.3	72	0	50-147/21
71-43-2	Benzene	0.34	J	25	25.8	102	25	25.3	100	2	81-122/14
75-27-4	Bromodichloromethane	ND		25	25.6	102	25	24.4	98	5	79-123/19
75-25-2	Bromoform	ND		25	21.8	87	25	21.6	86	1	66-123/21
108-90-7	Chlorobenzene	ND		25	26.6	106	25	26.6	106	0	82-124/14
75-00-3	Chloroethane	ND		25	22.1	88	25	21.8	87	1	62-144/20
67-66-3	Chloroform	ND		25	26.1	104	25	25.4	102	3	80-124/15
75-15-0	Carbon disulfide	ND		25	22.4	90	25	21.8	87	3	66-148/23
56-23-5	Carbon tetrachloride	ND		25	27.8	111	25	26.2	105	6	76-136/23
75-34-3	1,1-Dichloroethane	ND		25	25.5	102	25	24.9	100	2	81-122/15
75-35-4	1,1-Dichloroethylene	ND		25	27.9	112	25	26.9	108	4	78-137/18
107-06-2	1,2-Dichloroethane	ND		25	25.9	104	25	25.7	103	1	75-125/14
78-87-5	1,2-Dichloropropane	ND		25	24.1	96	25	23.6	94	2	76-124/14
124-48-1	Dibromochloromethane	ND		25	22.9	92	25	23.3	93	2	78-122/19
156-59-2	cis-1,2-Dichloroethylene	ND		25	25.6	102	25	24.9	100	3	78-120/15
10061-01-5	cis-1,3-Dichloropropene	ND		25	23.3	93	25	22.3	89	4	75-118/23
156-60-5	trans-1,2-Dichloroethylene	ND		25	25.9	104	25	25.0	100	4	76-127/17
10061-02-6	trans-1,3-Dichloropropene	ND		25	26.3	105	25	26.8	107	2	80-120/22
100-41-4	Ethylbenzene	5.2		25	30.3	100	25	30.6	102	1	81-121/14
591-78-6	2-Hexanone	ND		125	115	92	125	117	94	2	61-129/18
108-10-1	4-Methyl-2-pentanone	ND		125	114	91	125	122	98	7	66-122/16
74-83-9	Methyl bromide	ND		25	24.5	98	25	23.6	94	4	59-143/19
74-87-3	Methyl chloride	ND		25	24.9	100	25	23.0	92	8	50-159/19
75-09-2	Methylene chloride	3.3	J	25	27.5	97	25	26.6	93	3	69-135/16
78-93-3	Methyl ethyl ketone	ND		125	101	81	125	102	82	1	56-143/18
100-42-5	Styrene	ND		25	26.2	105	25	25.5	102	3	78-119/23
71-55-6	1,1,1-Trichloroethane	ND		25	28.2	113	25	26.4	106	7	75-130/16
79-34-5	1,1,2,2-Tetrachloroethane	ND		25	23.4	94	25	24.1	96	3	72-120/14
79-00-5	1,1,2-Trichloroethane	ND		25	23.9	96	25	24.6	98	3	76-119/14
127-18-4	Tetrachloroethylene	2.9		25	29.4	106	25	29.7	107	1	76-135/16
108-88-3	Toluene	10.9		25	34.6	95	25	35.9	100	4	80-120/14
79-01-6	Trichloroethylene	ND		25	25.2	101	25	24.8	99	2	81-126/15
75-01-4	Vinyl chloride	ND		25	24.6	98	25	23.8	95	3	69-159/18
1330-20-7	Xylene (total)	31.6		75	112	107	75	112	107	0	80-126/15

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA15245
Account: ERMNCR ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA15245-1LMS	N0076823.D	1	06/02/14	RB	n/a	n/a	VN3363
FA15245-1LMSD	N0076824.D	1	06/02/14	RB	n/a	n/a	VN3363
FA15245-1L	N0076819.D	1	06/02/14	RB	05/28/14	OP51772	VN3363

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

FA15245-1L, FA15245-2L, FA15245-3L, FA15245-4L

CAS No.	Surrogate Recoveries	MS	MSD	FA15245-1L	Limits
1868-53-7	Dibromofluoromethane	103%	102%	101%	83-118%
17060-07-0	1,2-Dichloroethane-D4	107%	105%	106%	79-125%
2037-26-5	Toluene-D8	98%	101%	98%	85-112%
460-00-4	4-Bromofluorobenzene	96%	96%	97%	83-118%

* = Outside of Control Limits.

Duplicate Summary

Job Number: FA15245
Account: ERMNCR ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA15152-6DUP	N0076827.D	1	06/02/14	RB	n/a	n/a	VN3363
FA15152-6	N0076826.D	1	06/02/14	RB	05/28/14	OP51772	VN3363

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

FA15245-1L, FA15245-2L, FA15245-3L, FA15245-4L

CAS No.	Compound	FA15152-6 ug/l	Q	DUP ug/l	Q	RPD	Limits
67-64-1	Acetone	25 U		ND		nc	21
71-43-2	Benzene	2.4		2.3		4	14
75-27-4	Bromodichloromethane	1.0 U		ND		nc	19
75-25-2	Bromoform	1.0 U		ND		nc	21
108-90-7	Chlorobenzene	1.0 U		ND		nc	14
75-00-3	Chloroethane	0.58	J	ND		200*	20
67-66-3	Chloroform	1.0 U		ND		nc	15
75-15-0	Carbon disulfide	2.0 U		ND		nc	23
56-23-5	Carbon tetrachloride	1.0 U		ND		nc	23
75-34-3	1,1-Dichloroethane	1.0 U		ND		nc	15
75-35-4	1,1-Dichloroethylene	1.0 U		ND		nc	18
107-06-2	1,2-Dichloroethane	1.0 U		ND		nc	14
78-87-5	1,2-Dichloropropane	1.0 U		ND		nc	14
124-48-1	Dibromochloromethane	1.0 U		ND		nc	19
156-59-2	cis-1,2-Dichloroethylene	1.0 U		ND		nc	15
10061-01-5	cis-1,3-Dichloropropene	1.0 U		ND		nc	23
156-60-5	trans-1,2-Dichloroethylene	1.0 U		ND		nc	17
10061-02-6	trans-1,3-Dichloropropene	1.0 U		ND		nc	22
100-41-4	Ethylbenzene	74.5		61.9		18*	14
591-78-6	2-Hexanone	10 U		ND		nc	18
108-10-1	4-Methyl-2-pentanone	5.0 U		ND		nc	16
74-83-9	Methyl bromide	2.0 U		ND		nc	19
74-87-3	Methyl chloride	2.0 U		ND		nc	19
75-09-2	Methylene chloride	5.0 U		ND		nc	16
78-93-3	Methyl ethyl ketone	5.0 U		ND		nc	18
100-42-5	Styrene	1.0 U		ND		nc	23
71-55-6	1,1,1-Trichloroethane	1.0 U		ND		nc	16
79-34-5	1,1,2,2-Tetrachloroethane	1.0 U		ND		nc	14
79-00-5	1,1,2-Trichloroethane	1.0 U		ND		nc	14
127-18-4	Tetrachloroethylene	1.0 U		ND		nc	16
108-88-3	Toluene	4.4		7.5		52*	14
79-01-6	Trichloroethylene	1.0 U		ND		nc	15
75-01-4	Vinyl chloride	1.0 U		ND		nc	18
1330-20-7	Xylene (total)	211		165		24*	15

* = Outside of Control Limits.

Duplicate Summary

Job Number: FA15245
Account: ERMNCR ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA15152-6DUP	N0076827.D	1	06/02/14	RB	n/a	n/a	VN3363
FA15152-6	N0076826.D	1	06/02/14	RB	05/28/14	OP51772	VN3363

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

FA15245-1L, FA15245-2L, FA15245-3L, FA15245-4L

CAS No.	Surrogate Recoveries	DUP	FA15152-6	Limits
1868-53-7	Dibromofluoromethane	99%	98%	83-118%
17060-07-0	1,2-Dichloroethane-D4	102%	103%	79-125%
2037-26-5	Toluene-D8	98%	97%	85-112%
460-00-4	4-Bromofluorobenzene	98%	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: FA15245
Account: ERMNCR - ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, 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		
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: FA15245-6

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: FA15245
Account: ERMNCR - ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, 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	anr								
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: FA15245-6

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

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA15245
Account: ERMNCR - ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, 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	anr					
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: FA15245-6

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

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA15245
Account: ERMNCR - ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, 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	anr			
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: FA15245-6

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

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA15245
Account: ERMNCR - ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, 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	anr			
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: FA15245-6

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: FA15245
Account: ERMNCR - ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, 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										
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: FA15245-6

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

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA15245
Account: ERMNCR - ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

QC Batch ID: MP27317
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 05/29/14

Metal	RL	IDL	MDL	MB raw	final
Aluminum	10	.75	1.6		
Antimony	1.0	.1	.1	0.055	<1.0
Arsenic	0.50	.1	.1		
Barium	10	.05	.05		
Beryllium	0.25	.025	.025	-0.010	<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	0.030	<1.3
Iron	15	.85	1.3		
Lead	1.0	.055	.08		
Magnesium	250	2.5	2.5		
Manganese	0.75	.025	.025	0.040	<0.75
Molybdenum	2.5	.025	.03		
Nickel	2.0	.025	.025	0.15	<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	-0.040	<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 MP27317: FA15245-3, FA15245-5

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: FA15245
Account: ERMNCR - ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

QC Batch ID: MP27317
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 05/29/14 05/29/14

Metal	FA15307-1 Original	DUP	RPD	QC Limits	FA15307-1 Original	MSD	Spikelot MPFLICP2	% Rec	MSD RPD	QC Limit
Aluminum										
Antimony	0.099	0.0	200.0(a)	0-20	0.099	18.5	25.6	71.9N(b)	8.5	20
Arsenic	anr									
Barium	anr									
Beryllium	0.0	0.0	NC	0-20	0.0	2.7	2.56	105.5	11.8	20
Cadmium	anr									
Calcium										
Chromium	anr									
Cobalt										
Copper	0.71	0.77	8.1	0-20	0.71	14.3	12.8	106.2	8.8	20
Iron										
Lead	anr									
Magnesium										
Manganese	5.7	5.0	13.1	0-20	5.7	32.1	25.6	103.1	8.8	20
Molybdenum										
Nickel	0.30	0.32	6.5	0-20	0.30	27.2	25.6	105.1	7.2	20
Potassium										
Selenium	anr									
Silver	anr									
Sodium										
Strontium										
Thallium	0.0	0.0	NC	0-20	0.0	100	102	97.7	6.6	20
Tin										
Titanium										
Vanadium										
Zinc	1.4	1.5	6.9	0-20	1.4	27.5	25.6	102.0	9.1	20

Associated samples MP27317: FA15245-3, FA15245-5

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.
(b) Spike recovery indicates possible matrix interference and/or sample non-homogeneity.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA15245
Account: ERMNCR - ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

QC Batch ID: MP27317
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 05/29/14

Metal	FA15307-1 Original	MS	Spikelot MPFLICP2	% Rec	QC Limits
Aluminum					
Antimony	0.099	17.0	23.4	72.4N(a)	80-120
Arsenic	anr				
Barium	anr				
Beryllium	0.0	2.4	2.34	102.8	80-120
Cadmium	anr				
Calcium					
Chromium	anr				
Cobalt					
Copper	0.71	13.1	11.7	106.1	80-120
Iron					
Lead	anr				
Magnesium					
Manganese	5.7	29.4	23.4	101.5	80-120
Molybdenum					
Nickel	0.30	25.3	23.4	107.0	80-120
Potassium					
Selenium	anr				
Silver	anr				
Sodium					
Strontium					
Thallium	0.0	93.6	93.4	100.2	80-120
Tin					
Titanium					
Vanadium					
Zinc	1.4	25.1	23.4	101.5	80-120

Associated samples MP27317: FA15245-3, FA15245-5

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.

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA15245
Account: ERMNCR - ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

QC Batch ID: MP27317
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 05/29/14

Metal	BSP Result	Spikelot MPFLICP2	% Rec	QC Limits
Aluminum				
Antimony	25.0	25	100.0	80-120
Arsenic	anr			
Barium	anr			
Beryllium	2.6	2.5	104.0	80-120
Cadmium	anr			
Calcium				
Chromium	anr			
Cobalt				
Copper	13.3	12.5	106.4	80-120
Iron				
Lead	anr			
Magnesium				
Manganese	26.1	25	104.4	80-120
Molybdenum				
Nickel	26.1	25	104.4	80-120
Potassium				
Selenium	anr			
Silver	anr			
Sodium				
Strontium				
Thallium	98.1	100	98.1	80-120
Tin				
Titanium				
Vanadium				
Zinc	25.6	25	102.4	80-120

Associated samples MP27317: FA15245-3, FA15245-5

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

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA15245
Account: ERMNCR - ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

QC Batch ID: MP27317
Matrix Type: SOLID

Methods: SW846 6010C
Units: ug/l

Prep Date: 05/29/14

Metal	FA15307-1 Original	SDL 1:5	%DIF	QC Limits
Aluminum				
Antimony	2.00	0.00	100.0(a)	0-10
Arsenic	anr			
Barium	anr			
Beryllium	0.00	0.00	NC	0-10
Cadmium	anr			
Calcium				
Chromium	anr			
Cobalt				
Copper	14.3	17.0	18.9 (a)	0-10
Iron				
Lead	anr			
Magnesium				
Manganese	116	125	7.8	0-10
Molybdenum				
Nickel	6.10	5.90	3.3	0-10
Potassium				
Selenium	anr			
Silver	anr			
Sodium				
Strontium				
Thallium	0.00	0.00	NC	0-10
Tin				
Titanium				
Vanadium				
Zinc	28.1	35.3	25.6 (a)	0-10

Associated samples MP27317: FA15245-3, FA15245-5

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: FA15245
Account: ERMNCR - ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

QC Batch ID: MP27317
Matrix Type: SOLID

Methods: SW846 6010C
Units: ug/l

Prep Date: 05/29/14

Metal	Sample ml	Final ml	FA15307-1 Raw	Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum										
Antimony	9.8	10	2	1.96	102.9	0.2	5	100	100.9	80-120
Arsenic										
Barium										
Beryllium	9.8	10			51.7	0.2	2.5	50	103.4	80-120
Cadmium										
Calcium										
Chromium										
Cobalt										
Copper	9.8	10	14.3	14.014	119	0.2	5	100	105.0	80-120
Iron										
Lead										
Magnesium										
Manganese	9.8	10	116.3	113.974	168.3	0.2	2.5	50	108.7	80-120
Molybdenum										
Nickel	9.8	10	6.1	5.978	114.3	0.2	5	100	108.3	80-120
Potassium										
Selenium										
Silver										
Sodium										
Strontium										
Thallium	9.8	10			100.4	0.2	5	100	100.4	80-120
Tin										
Titanium										
Vanadium										
Zinc	9.8	10	28.1	27.538	285.6	0.2	12.5	250	103.2	80-120

Associated samples MP27317: FA15245-3, FA15245-5

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

06/17/14

Technical Report for

ERM

ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

Accutest Job Number: FA15588

Sampling Date: 06/05/14

Report to:

ERM
1130 Situs Court Suite 250
Raleigh, NC 27606
gregory.kanellis@erm.com; Lane.Dorman@erm.com;
Robert.Laumann@erm.com
ATTN: Lane Dorman

Total number of pages in report: **41**

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

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 Laboratories

Sample Summary

ERM

Job No: FA15588

ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
FA15588-1	06/05/14	10:30	TN	06/06/14	AQ	Ground Water	MW-12
FA15588-2	06/05/14	00:00	TN	06/06/14	AQ	Trip Blank Water	TRIP BLANK

Summary of Hits

Job Number: FA15588
Account: ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC
Collected: 06/05/14

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FA15588-1	**MW-12**					
Total TIC, Volatile		50 J			ug/l	
Iron		295 B	300	17	ug/l	SW846 6010C
Manganese		72.9	15	1.0	ug/l	SW846 6010C
Sulfate		9.0	2.0	0.60	mg/l	EPA 300/SW846 9056A
Sulfide		1.7	0.75	0.21	mg/l	SM4500S2- F-11
Total Organic Carbon		0.80 B	1.0	0.23	mg/l	SM5310 B-11/SW9060A

FA15588-2 **TRIP BLANK**

No hits reported in this sample.

Southeast ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	MW-12		
Lab Sample ID:	FA15588-1	**Date Sampled:**	06/05/14
Matrix:	AQ - Ground Water	**Date Received:**	06/06/14
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z26290.D	1	06/09/14	AH	n/a	n/a	VZ1024
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	108%		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-12		
Lab Sample ID:	FA15588-1	**Date Sampled:**	06/05/14
Matrix:	AQ - Ground Water	**Date Received:**	06/06/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I21668.D	1	06/17/14	DP	n/a	n/a	VI427
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:	MW-12		
Lab Sample ID:	FA15588-1	**Date Sampled:**	06/05/14
Matrix:	AQ - Ground Water	**Date Received:**	06/06/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, 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:	FA15588-1	**Date Sampled:**	06/05/14
Matrix:	AQ - Ground Water	**Date Received:**	06/06/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, 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	100%		79-125%
2037-26-5	Toluene-D8	99%		85-112%
460-00-4	4-Bromofluorobenzene	92%		83-118%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
2043-43-8	Propanamide, 2-hydroxy-	4.78	50	ug/l	JN
	Total TIC, Volatile		50	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:	MW-12		
Lab Sample ID:	FA15588-1	**Date Sampled:**	06/05/14
Matrix:	AQ - Ground Water	**Date Received:**	06/06/14
		Percent Solids:	n/a
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC		

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Iron	295 B	300	17	ug/l	1	06/14/14	06/16/14	LM	SW846 6010C [1]	SW846 3010A [2]
Manganese	72.9	15	1.0	ug/l	1	06/14/14	06/16/14	LM	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA11672
(2) Prep QC Batch: MP27406

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:	FA15588-1	**Date Sampled:**	06/05/14
Matrix:	AQ - Ground Water	**Date Received:**	06/06/14
		Percent Solids:	n/a
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Nitrogen, Nitrate	0.050 U	0.10	0.050	mg/l	1	06/06/14 12:24	CH	EPA 300/SW846 9056A
Nitrogen, Nitrite	0.050 U	0.10	0.050	mg/l	1	06/06/14 12:24	CH	EPA 300/SW846 9056A
Sulfate	9.0	2.0	0.60	mg/l	1	06/06/14 12:24	CH	EPA 300/SW846 9056A
Sulfide	1.7	0.75	0.21	mg/l	1	06/09/14 09:00	LE	SM4500S2- F-11
Total Organic Carbon	0.80 B	1.0	0.23	mg/l	1	06/11/14 06:12	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:	FA15588-2	**Date Sampled:**	06/05/14
Matrix:	AQ - Trip Blank Water	**Date Received:**	06/06/14
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z26288.D	1	06/09/14	AH	n/a	n/a	VZ1024
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	109%		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:	TRIP BLANK		
Lab Sample ID:	FA15588-2	**Date Sampled:**	06/05/14
Matrix:	AQ - Trip Blank Water	**Date Received:**	06/06/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I21665.D	1	06/17/14	DP	n/a	n/a	VI427
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
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:	FA15588-2	**Date Sampled:**	06/05/14
Matrix:	AQ - Trip Blank Water	**Date Received:**	06/06/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, 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:	FA15588-2	**Date Sampled:**	06/05/14
Matrix:	AQ - Trip Blank Water	**Date Received:**	06/06/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, 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	102%		79-125%
2037-26-5	Toluene-D8	100%		85-112%
460-00-4	4-Bromofluorobenzene	96%		83-118%

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

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 # FA15588

PAGE 1 OF 1

Accutest Quote #

SKIFF#

Client / Reporting Information

Company Name ERM
Address ERM 1130 SITUS COURT STE 250
City RALEIGH State NC Zip 27606
Project Contact LANE DORMAN E-mail LANE.DORMAN@ERM.COM
Phone#
Sampler(s) Name(s) (Printed) TOM NAUMANN

Project Information

Project Name: EC1
Street
City WHITSETT 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'S	1,4 DIOXANE	TOTAL ORGANIC CARBON	SULFIDE	NITRATE, NITRITE, SULFATE	IRON, MANGANESE					
1	MW-12	6/5/14	1030	TEN	GW	12		1	8		1		2			3	3	2	2	1	1					
2	TRIP BLANK															2										

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

RALEIGH, NC

SVC CENTER

SEE LANE DORMAN FOR THIS SECTION

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	6/5/14 1630	2 Grant Radler	3 Grant Radler	6/5/14 1735	4 FX
Relinquished by:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
5 FX 060614	930	6 [illegible]			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: 2.0

4.1
4

FA15588: Chain of Custody
Page 1 of 3

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: FA15588 CLIENT: ERM PROJECT: ECI

DATE/TIME RECEIVED: 06-06-14 930 {MM/DD/YY 24:00} NUMBER OF COOLERS RECEIVED: 1

METHOD OF DELIVERY: FEDEX UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 7702 1299 9943

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

- [x] 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: Received 2 bottle For Sulfides

TECHNICIAN SIGNATURE/DATE 06-06-14 REVIEWER SIGNATURE/DATE 06/06/14

RS 04/14 receipt confirmation 041514.xls

4.1

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FA15588: 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: 05JUN14
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 #

FRI - 06 JUN AA
STANDARD OVERNIGHT

TRK# 8201 7702 1299 9943

XH TIXA

32811
FL-US
MCO

522G3/A26D/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: FA15588
Account: ERMNCR ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VZ1024-MB	Z26285.D	1	06/09/14	AH	n/a	n/a	VZ1024

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

FA15588-1, FA15588-2

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		Limits
17060-07-0	1,2-Dichloroethane-D4	107%	74-125%
2037-26-5	Toluene-D8	91%	88-111%

Method Blank Summary

Job Number: FA15588
Account: ERMNCR ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VI427-MB	I21664.D	1	06/17/14	DP	n/a	n/a	VI427

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

FA15588-1, FA15588-2

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: FA15588
Account: ERMNCR ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VI427-MB	I21664.D	1	06/17/14	DP	n/a	n/a	VI427

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

FA15588-1, FA15588-2

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: FA15588
Account: ERMNCR ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VI427-MB	I21664.D	1	06/17/14	DP	n/a	n/a	VI427

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

FA15588-1, FA15588-2

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	100%	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	98%	83-118%

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

Blank Spike Summary

Job Number: FA15588
Account: ERMNCR ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VZ1024-BS	Z26283.D	1	06/09/14	AH	n/a	n/a	VZ1024

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

FA15588-1, FA15588-2

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
123-91-1	1,4-Dioxane	50	40.3	81	65-121

CAS No.	Surrogate Recoveries	BSP	Limits
17060-07-0	1,2-Dichloroethane-D4	108%	74-125%
2037-26-5	Toluene-D8	91%	88-111%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA15588
Account: ERMNCR ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VI427-BS	I21662.D	1	06/17/14	DP	n/a	n/a	VI427

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

FA15588-1, FA15588-2

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	128	102	50-147
107-02-8	Acrolein	125	130	104	31-154
107-13-1	Acrylonitrile	125	118	94	58-126
71-43-2	Benzene	25	25.4	102	81-122
108-86-1	Bromobenzene	25	24.2	97	80-121
74-97-5	Bromochloromethane	25	25.3	101	76-123
75-27-4	Bromodichloromethane	25	25.2	101	79-123
75-25-2	Bromoform	25	22.0	88	66-123
104-51-8	n-Butylbenzene	25	25.5	102	79-126
135-98-8	sec-Butylbenzene	25	28.5	114	83-133
98-06-6	tert-Butylbenzene	25	27.8	111	80-133
108-90-7	Chlorobenzene	25	27.2	109	82-124
75-00-3	Chloroethane	25	28.1	112	62-144
67-66-3	Chloroform	25	25.3	101	80-124
95-49-8	o-Chlorotoluene	25	28.3	113	81-127
106-43-4	p-Chlorotoluene	25	28.1	112	83-130
110-75-8	2-Chloroethyl vinyl ether	125	153	122	56-122
75-15-0	Carbon disulfide	25	25.9	104	66-148
56-23-5	Carbon tetrachloride	25	27.1	108	76-136
75-34-3	1,1-Dichloroethane	25	26.0	104	81-122
75-35-4	1,1-Dichloroethylene	25	27.8	111	78-137
563-58-6	1,1-Dichloropropene	25	27.7	111	79-131
96-12-8	1,2-Dibromo-3-chloropropane	25	26.7	107	64-123
106-93-4	1,2-Dibromoethane	25	24.9	100	75-120
107-06-2	1,2-Dichloroethane	25	25.4	102	75-125
78-87-5	1,2-Dichloropropane	25	25.4	102	76-124
142-28-9	1,3-Dichloropropane	25	25.1	100	80-118
594-20-7	2,2-Dichloropropane	25	27.7	111	74-139
124-48-1	Dibromochloromethane	25	24.7	99	78-122
75-71-8	Dichlorodifluoromethane	25	30.8	123	42-167
156-59-2	cis-1,2-Dichloroethylene	25	25.2	101	78-120
10061-01-5	cis-1,3-Dichloropropene	25	24.5	98	75-118
541-73-1	m-Dichlorobenzene	25	27.0	108	84-125
95-50-1	o-Dichlorobenzene	25	26.6	106	82-124
106-46-7	p-Dichlorobenzene	25	25.1	100	78-120
156-60-5	trans-1,2-Dichloroethylene	25	26.2	105	76-127

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA15588
Account: ERMNCR ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VI427-BS	I21662.D	1	06/17/14	DP	n/a	n/a	VI427

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

FA15588-1, FA15588-2

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
10061-02-6	trans-1,3-Dichloropropene	25	26.5	106	80-120
100-41-4	Ethylbenzene	25	25.5	102	81-121
591-78-6	2-Hexanone	125	126	101	61-129
87-68-3	Hexachlorobutadiene	25	27.5	110	75-142
98-82-8	Isopropylbenzene	25	27.8	111	83-132
99-87-6	p-Isopropyltoluene	25	27.9	112	79-130
108-10-1	4-Methyl-2-pentanone	125	122	98	66-122
74-83-9	Methyl bromide	25	29.6	118	59-143
74-87-3	Methyl chloride	25	30.4	122	50-159
74-95-3	Methylene bromide	25	24.8	99	78-119
75-09-2	Methylene chloride	25	24.7	99	69-135
78-93-3	Methyl ethyl ketone	125	120	96	56-143
1634-04-4	Methyl Tert Butyl Ether	25	25.1	100	72-117
91-20-3	Naphthalene	25	24.5	98	63-132
103-65-1	n-Propylbenzene	25	28.4	114	82-133
100-42-5	Styrene	25	24.7	99	78-119
630-20-6	1,1,1,2-Tetrachloroethane	25	24.7	99	77-122
71-55-6	1,1,1-Trichloroethane	25	26.9	108	75-130
79-34-5	1,1,2,2-Tetrachloroethane	25	25.2	101	72-120
79-00-5	1,1,2-Trichloroethane	25	24.6	98	76-119
87-61-6	1,2,3-Trichlorobenzene	25	24.9	100	68-131
96-18-4	1,2,3-Trichloropropane	25	25.6	102	77-120
120-82-1	1,2,4-Trichlorobenzene	25	25.0	100	73-129
95-63-6	1,2,4-Trimethylbenzene	25	24.9	100	79-120
108-67-8	1,3,5-Trimethylbenzene	25	25.0	100	79-120
127-18-4	Tetrachloroethylene	25	26.3	105	76-135
108-88-3	Toluene	25	25.0	100	80-120
79-01-6	Trichloroethylene	25	25.8	103	81-126
75-69-4	Trichlorofluoromethane	25	29.7	119	71-156
75-01-4	Vinyl chloride	25	29.5	118	69-159
108-05-4	Vinyl Acetate	125	193	154	43-154
	m,p-Xylene	50	53.1	106	79-126
95-47-6	o-Xylene	25	26.9	108	80-127

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA15588
Account: ERMNCR ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VI427-BS	I21662.D	1	06/17/14	DP	n/a	n/a	VI427

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

FA15588-1, FA15588-2

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	101%	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	99%	83-118%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA15588
Account: ERMNCR ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA15630-1MS	Z26294.D	1	06/09/14	AH	n/a	n/a	VZ1024
FA15630-1MSD	Z26295.D	1	06/09/14	AH	n/a	n/a	VZ1024
FA15630-1	Z26293.D	1	06/09/14	AH	n/a	n/a	VZ1024

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

FA15588-1, FA15588-2

CAS No.	Compound	FA15630-1 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	2.2		50	45.6	87	50	49.3	94	8	65-121/27

CAS No.	Surrogate Recoveries	MS	MSD	FA15630-1	Limits
17060-07-0	1,2-Dichloroethane-D4	110%	107%	108%	74-125%
2037-26-5	Toluene-D8	88%	91%	88%	88-111%

* = 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: FA15588
Account: ERMNCR - ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

QC Batch ID: MP27406
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:					06/14/14		06/14/14
Metal	RL	IDL	MDL	MB raw	final	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	-9.4	<300	-11	<300
Lead	5.0	1.1	1.1				
Magnesium	5000	50	56				
Manganese	15	.5	1	-0.20	<15	-0.20	<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 MP27406: FA15588-1

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: FA15588
Account: ERMNCR - ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

QC Batch ID: MP27406 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date:			06/14/14					06/14/14	
Metal	FA15429-2 Original	DUP	RPD	QC Limits	FA15429-2 Original	MS	Spikelot MPFLICP2	% Rec	QC Limits
Aluminum									
Antimony									
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper	anr								
Iron	24.5	17.3	34.4 (a)	0-20	24.5	25900	26000	99.5	80-120
Lead									
Magnesium									
Manganese	176	175	0.6	0-20	176	681	500	101.0	80-120
Molybdenum									
Nickel	anr								
Potassium									
Selenium									
Silver	anr								
Sodium									
Strontium									
Thallium									
Tin									
Titanium									
Vanadium	anr								
Zinc									

Associated samples MP27406: FA15588-1

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: FA15588
Account: ERMNCR - ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

QC Batch ID: MP27406
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 06/14/14

Metal	FA15429-2 Original	MSD	Spikelot MPFLICP2	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony						
Arsenic	anr					
Barium	anr					
Beryllium	anr					
Cadmium						
Calcium						
Chromium						
Cobalt						
Copper	anr					
Iron	24.5	26200	26000	100.7	1.2	20
Lead						
Magnesium						
Manganese	176	690	500	102.8	1.3	20
Molybdenum						
Nickel	anr					
Potassium						
Selenium						
Silver	anr					
Sodium						
Strontium						
Thallium						
Tin						
Titanium						
Vanadium	anr					
Zinc						

Associated samples MP27406: FA15588-1

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

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA15588
Account: ERMNCR - ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

QC Batch ID: MP27406
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 06/14/14

Metal	BSP Result	Spikelot MPFLICP2	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic	anr			
Barium	anr			
Beryllium	anr			
Cadmium	anr			
Calcium				
Chromium	anr			
Cobalt				
Copper	anr			
Iron	26300	26000	101.2	80-120
Lead	anr			
Magnesium				
Manganese	521	500	104.2	80-120
Molybdenum				
Nickel	anr			
Potassium				
Selenium	anr			
Silver	anr			
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium	anr			
Zinc				

Associated samples MP27406: FA15588-1

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

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA15588
Account: ERMNCR - ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

QC Batch ID: MP27406
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 06/14/14

Metal	FA15429-2 Original	SDL 1:5	%DIF	QC Limits
Aluminum				
Antimony				
Arsenic	anr			
Barium	anr			
Beryllium	anr			
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper	anr			
Iron	24.5	0.00	100.0(a)	0-10
Lead				
Magnesium				
Manganese	176	178	0.9	0-10
Molybdenum				
Nickel	anr			
Potassium				
Selenium				
Silver	anr			
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium	anr			
Zinc				

Associated samples MP27406: FA15588-1

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: FA15588
Account: ERMNCR - ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

QC Batch ID: MP27406
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 06/14/14

Metal	Sample ml	Final ml	FA15429-2 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	24.5	24.01	2978	0.2	150	3000	98.5	80-120
Lead										
Magnesium										
Manganese	9.8	10	176.2	172.676	224.2	0.2	2.5	50	103.0	80-120
Molybdenum										
Nickel										
Potassium										
Selenium										
Silver										
Sodium										
Strontium										
Thallium										
Tin										
Titanium										
Vanadium										
Zinc										

Associated samples MP27406: FA15588-1

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

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: FA15588
Account: ERMNCR - ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Chloride	GP24123/GN61780	2.0	0.0	mg/l	50	50.0	100.0	90-110%
Nitrogen, Nitrate	GP24123/GN61780	0.10	0.0	mg/l	2.5	2.35	94.0	90-110%
Nitrogen, Nitrite	GP24123/GN61780	0.10	0.0	mg/l	2.5	2.57	102.8	90-110%
Sulfate	GP24123/GN61780	2.0	0.0	mg/l	50	48.2	96.4	90-110%
Sulfide	GN61774	1.0	0.0	mg/l	13.3	13.2	99.3	76-112%
Sulfide	GN61774			mg/l	13.3	13.6	103.0	76-112%
Total Organic Carbon	GP24139/GN61820	1.0	0.0	mg/l	15	13.8	92.0	90-110%

Associated Samples:
Batch GN61774: FA15588-1
Batch GP24123: FA15588-1
Batch GP24139: FA15588-1
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA15588
Account: ERMNCR - ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Total Organic Carbon	GP24139/GN61820	FA15635-4	mg/l	2.9	2.9	0.0	0-20%

Associated Samples:
Batch GP24139: FA15588-1
(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA15588
Account: ERMNCR - ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Chloride	GP24123/GN61780	FA15588-1	mg/l	3.5	50	53.5	100.0	90-110%
Nitrogen, Nitrate	GP24123/GN61780	FA15588-1	mg/l	0.050 U	2.5	2.4	96.0	90-110%
Nitrogen, Nitrite	GP24123/GN61780	FA15588-1	mg/l	0.050 U	2.5	2.5	100.0	90-110%
Sulfate	GP24123/GN61780	FA15588-1	mg/l	9.0	50	56.1	94.2	90-110%
Total Organic Carbon	GP24139/GN61820	FA15635-4	mg/l	2.9	15	16.9	93.3	90-110%

Associated Samples:
Batch GP24123: FA15588-1
Batch GP24139: FA15588-1
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

MATRIX SPIKE DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA15588
Account: ERMNCR - ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MSD Result	RPD	QC Limit
Chloride	GP24123/GN61780	FA15588-1	mg/l	3.5	50	53.5	0.0	20%
Nitrogen, Nitrate	GP24123/GN61780	FA15588-1	mg/l	0.050 U	2.5	2.3	4.3	20%
Nitrogen, Nitrite	GP24123/GN61780	FA15588-1	mg/l	0.050 U	2.5	2.5	0.0	20%
Sulfate	GP24123/GN61780	FA15588-1	mg/l	9.0	50	56.0	0.2	20%

Associated Samples:
Batch GP24123: FA15588-1
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

Southeast ACCUTEST LABORATORIES

07/28/14

Technical Report for

ERM

ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

Accutest Job Number: FA15635

Sampling Date: 06/06/14

Report to:

ERM

Gregory.kanellis@erm.com

ATTN: Gregory Kanellis

Total number of pages in report: **92**

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.

Harry Behzadi, Ph.D.
Laboratory Director

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

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Sample Summary

ERM

Job No: FA15635

ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
FA15635-1	06/06/14	11:00	TNGK	06/07/14	SO	Soil	WP-55 @ 0.5'
FA15635-1L	06/06/14	11:00	TNGK	06/07/14	SO	Soil	WP-55 @ 0.5'
FA15635-2	06/06/14	13:00	TNGK	06/07/14	SO	Soil	DRUM-1
FA15635-3	06/06/14	13:05	TNGK	06/07/14	SO	Soil	DRUM-2
FA15635-4	06/06/14	09:40	TNGK	06/07/14	AQ	Ground Water	MW-11
FA15635-5	06/06/14	14:00	TNGK	06/07/14	AQ	Ground Water	DW-1
FA15635-6	06/06/14	00:00	TNGK	06/07/14	AQ	Trip Blank Water	TRIP BLANK
FA15635-7	06/06/14	00:00	TNGK	06/07/14	SO	Trip Blank Soil	TRIP BLANK

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

Summary of Hits

Job Number: FA15635
Account: ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC
Collected: 06/06/14

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FA15635-1	**WP-55 @ 0.5'**					
No hits reported in this sample.						
FA15635-1L	**WP-55 @ 0.5'**					
Ethylbenzene		0.0011	0.0010	0.00028	mg/l	SW846 8260B
Styrene		0.0010	0.0010	0.00023	mg/l	SW846 8260B
Toluene		0.00092 J	0.0010	0.00020	mg/l	SW846 8260B
Xylene (total)		0.0233	0.0030	0.00066	mg/l	SW846 8260B
FA15635-2	**DRUM-1**					
No hits reported in this sample.						
FA15635-3	**DRUM-2**					
No hits reported in this sample.						
FA15635-4	**MW-11**					
Chloroform		5.0	1.0	0.31	ug/l	SW846 8260B
1,1-Dichloroethylene		0.86 J	1.0	0.25	ug/l	SW846 8260B
cis-1,2-Dichloroethylene		2.9	1.0	0.33	ug/l	SW846 8260B
Trichloroethylene		128	2.5	0.76	ug/l	SW846 8260B
Iron		1120	300	17	ug/l	SW846 6010C
Manganese		700	15	1.0	ug/l	SW846 6010C
Nitrogen, Nitrate		0.59	0.10	0.050	mg/l	EPA 300/SW846 9056A
Sulfate		68.4	2.0	0.60	mg/l	EPA 300/SW846 9056A
Total Organic Carbon		2.9	1.0	0.23	mg/l	SM5310 B-11/SW9060A
FA15635-5	**DW-1**					
cis-1,2-Dichloroethylene		1.9	1.0	0.33	ug/l	SW846 8260B
Methyl Tert Butyl Ether		0.28 J	1.0	0.20	ug/l	SW846 8260B
Trichloroethylene		80.0	1.0	0.30	ug/l	SW846 8260B
Iron		452	300	17	ug/l	SW846 6010C
Manganese		479	15	1.0	ug/l	SW846 6010C
Sulfate		43.9	2.0	0.60	mg/l	EPA 300/SW846 9056A
Total Organic Carbon		1.5	1.0	0.23	mg/l	SM5310 B-11/SW9060A
FA15635-6	**TRIP BLANK**					
No hits reported in this sample.						

Summary of Hits

Job Number: FA15635
Account: ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC
Collected: 06/06/14

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FA15635-7	**TRIP BLANK**					

No hits reported in this sample.

Southeast ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	WP-55 @ 0.5'		
Lab Sample ID:	FA15635-1	**Date Sampled:**	06/06/14
Matrix:	SO - Soil	**Date Received:**	06/07/14
Method:	SW846 8260B BY SIM	**Percent Solids:**	81.3
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F0064832.D	1	06/12/14	AH	n/a	n/a	VF2144
Run #2							

	Initial Weight
Run #1	5.71 g
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	5.4	2.2	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	94%		75-126%
17060-07-0	1,2-Dichloroethane-D4	120%		72-135%

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:	WP-55 @ 0.5'		
Lab Sample ID:	FA15635-1	**Date Sampled:**	06/06/14
Matrix:	SO - Soil	**Date Received:**	06/07/14
Method:	SW846 8260B	**Percent Solids:**	81.3
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H0085862.D	1	06/09/14	EP	n/a	n/a	VH3266
Run #2							

	Initial Weight
Run #1	5.47 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	8.8	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	2.2	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	
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	
10061-01-5	cis-1,3-Dichloropropene	ND	5.6	1.1	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:	WP-55 @ 0.5'		
Lab Sample ID:	FA15635-1	**Date Sampled:**	06/06/14
Matrix:	SO - Soil	**Date Received:**	06/07/14
Method:	SW846 8260B	**Percent Solids:**	81.3
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
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
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:	WP-55 @ 0.5'		
Lab Sample ID:	FA15635-1	**Date Sampled:**	06/06/14
Matrix:	SO - Soil	**Date Received:**	06/07/14
Method:	SW846 8260B	**Percent Solids:**	81.3
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	87%		75-124%
2037-26-5	Toluene-D8	93%		75-126%
460-00-4	4-Bromofluorobenzene	98%		71-133%
17060-07-0	1,2-Dichloroethane-D4	99%		72-135%

CAS No.	Tentatively Identified Compounds [a]	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		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:	WP-55 @ 0.5'		
Lab Sample ID:	FA15635-1L	**Date Sampled:**	06/06/14
Matrix:	SO - Soil	**Date Received:**	06/07/14
Method:	SW846 8260B SW846 1312	**Percent Solids:**	81.3
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M75031.D	1	06/12/14	RB	06/09/14	OP51903	VM3169
Run #2	N0077228.D	1	06/17/14	RB	06/09/14	OP51903	VN3380

	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 [a]	ND [b]		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	0.0011		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	0.0010		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	0.00092		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:	WP-55 @ 0.5'		
Lab Sample ID:	FA15635-1L	**Date Sampled:**	06/06/14
Matrix:	SO - Soil	**Date Received:**	06/07/14
Method:	SW846 8260B SW846 1312	**Percent Solids:**	81.3
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, 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)	0.0233		0.0030	0.00066	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%	105%	83-118%
17060-07-0	1,2-Dichloroethane-D4	93%	111%	79-125%
2037-26-5	Toluene-D8	87%	94%	85-112%
460-00-4	4-Bromofluorobenzene	91%	94%	83-118%

(a) Associated BS recovery outside control limits.
(b) 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:	DRUM-1		
Lab Sample ID:	FA15635-2	**Date Sampled:**	06/06/14
Matrix:	SO - Soil	**Date Received:**	06/07/14
Method:	SW846 8260B SW846 1311	**Percent Solids:**	n/a
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0077257.D	10	06/18/14	RB	06/16/14	OP51989	VN3382
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCLP List **TCLP Leachate method SW846 1311**

CAS No.	Compound	Result	HW#	MCL	RL	MDL	Units	Q
71-43-2	Benzene	ND	D018	0.50	0.010	0.0024	mg/l	
108-90-7	Chlorobenzene	ND	D021	100	0.010	0.0024	mg/l	
67-66-3	Chloroform	ND	D022	6.0	0.010	0.0031	mg/l	
56-23-5	Carbon tetrachloride [a]	ND	D019	0.50	0.010	0.0040	mg/l	
75-35-4	1,1-Dichloroethylene [a]	ND	D029	0.70	0.010	0.0025	mg/l	
107-06-2	1,2-Dichloroethane	ND	D028	0.50	0.010	0.0024	mg/l	
106-46-7	p-Dichlorobenzene	ND	D027	7.5	0.010	0.0020	mg/l	
78-93-3	Methyl ethyl ketone	ND	D035	200	0.050	0.015	mg/l	
127-18-4	Tetrachloroethylene	ND	D039	0.70	0.010	0.0026	mg/l	
79-01-6	Trichloroethylene	ND	D040	0.50	0.010	0.0030	mg/l	
75-01-4	Vinyl chloride	ND	D043	0.20	0.010	0.0033	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		83-118%
17060-07-0	1,2-Dichloroethane-D4	113%		79-125%
2037-26-5	Toluene-D8	94%		85-112%
460-00-4	4-Bromofluorobenzene	100%		83-118%

(a) Associated BS recovery outside control limits.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
MCL = Maximum Contamination Level (40 CFR 261 6/96) 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:	DRUM-2		
Lab Sample ID:	FA15635-3	**Date Sampled:**	06/06/14
Matrix:	SO - Soil	**Date Received:**	06/07/14
Method:	SW846 8260B SW846 1311	**Percent Solids:**	n/a
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0077258.D	10	06/18/14	RB	06/16/14	OP51989	VN3382
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCLP List **TCLP Leachate method SW846 1311**

CAS No.	Compound	Result	HW#	MCL	RL	MDL	Units	Q
71-43-2	Benzene	ND	D018	0.50	0.010	0.0024	mg/l	
108-90-7	Chlorobenzene	ND	D021	100	0.010	0.0024	mg/l	
67-66-3	Chloroform	ND	D022	6.0	0.010	0.0031	mg/l	
56-23-5	Carbon tetrachloride [a]	ND	D019	0.50	0.010	0.0040	mg/l	
75-35-4	1,1-Dichloroethylene [a]	ND	D029	0.70	0.010	0.0025	mg/l	
107-06-2	1,2-Dichloroethane	ND	D028	0.50	0.010	0.0024	mg/l	
106-46-7	p-Dichlorobenzene	ND	D027	7.5	0.010	0.0020	mg/l	
78-93-3	Methyl ethyl ketone	ND	D035	200	0.050	0.015	mg/l	
127-18-4	Tetrachloroethylene	ND	D039	0.70	0.010	0.0026	mg/l	
79-01-6	Trichloroethylene	ND	D040	0.50	0.010	0.0030	mg/l	
75-01-4	Vinyl chloride	ND	D043	0.20	0.010	0.0033	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		83-118%
17060-07-0	1,2-Dichloroethane-D4	115%		79-125%
2037-26-5	Toluene-D8	96%		85-112%
460-00-4	4-Bromofluorobenzene	98%		83-118%

(a) Associated BS recovery outside control limits.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
MCL = Maximum Contamination Level (40 CFR 261 6/96) 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:	FA15635-4	**Date Sampled:**	06/06/14
Matrix:	AQ - Ground Water	**Date Received:**	06/07/14
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z26298.D	1	06/09/14	AH	n/a	n/a	VZ1024
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	109%		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-11		
Lab Sample ID:	FA15635-4	**Date Sampled:**	06/06/14
Matrix:	AQ - Ground Water	**Date Received:**	06/07/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0077243.D	1	06/17/14	RB	n/a	n/a	VN3381
Run #2	N0077244.D	2.5	06/17/14	RB	n/a	n/a	VN3381

	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	5.0	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	0.86	1.0	0.25	ug/l	J
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	2.9	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:	FA15635-4	**Date Sampled:**	06/06/14
Matrix:	AQ - Ground Water	**Date Received:**	06/07/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, 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	128 [b]	2.5	0.76	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-11		
Lab Sample ID:	FA15635-4	**Date Sampled:**	06/06/14
Matrix:	AQ - Ground Water	**Date Received:**	06/07/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	109%	110%	83-118%
17060-07-0	1,2-Dichloroethane-D4	118%	118%	79-125%
2037-26-5	Toluene-D8	97%	95%	85-112%
460-00-4	4-Bromofluorobenzene	99%	98%	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-11		
Lab Sample ID:	FA15635-4	**Date Sampled:**	06/06/14
Matrix:	AQ - Ground Water	**Date Received:**	06/07/14
		Percent Solids:	n/a
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC		

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Iron	1120	300	17	ug/l	1	06/17/14	06/17/14	LM	SW846 6010C [1]	SW846 3010A [2]
Manganese	700	15	1.0	ug/l	1	06/17/14	06/17/14	LM	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA11673
(2) Prep QC Batch: MP27417

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-11		
Lab Sample ID:	FA15635-4	**Date Sampled:**	06/06/14
Matrix:	AQ - Ground Water	**Date Received:**	06/07/14
		Percent Solids:	n/a
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Nitrogen, Nitrate	0.59	0.10	0.050	mg/l	1	06/07/14 12:59	CH	EPA 300/SW846 9056A
Nitrogen, Nitrite	0.050 U	0.10	0.050	mg/l	1	06/07/14 12:59	CH	EPA 300/SW846 9056A
Sulfate	68.4	2.0	0.60	mg/l	1	06/07/14 12:59	CH	EPA 300/SW846 9056A
Sulfide	0.22 U	0.80	0.22	mg/l	1	06/09/14 09:00	LE	SM4500S2- F-11
Total Organic Carbon	2.9	1.0	0.23	mg/l	1	06/11/14 04:15	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:	DW-1		
Lab Sample ID:	FA15635-5	**Date Sampled:**	06/06/14
Matrix:	AQ - Ground Water	**Date Received:**	06/07/14
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z26292.D	1	06/09/14	AH	n/a	n/a	VZ1024
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	109%		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:	DW-1		
Lab Sample ID:	FA15635-5	**Date Sampled:**	06/06/14
Matrix:	AQ - Ground Water	**Date Received:**	06/07/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0077240.D	1	06/17/14	RB	n/a	n/a	VN3381
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	1.9	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:	FA15635-5	**Date Sampled:**	06/06/14
Matrix:	AQ - Ground Water	**Date Received:**	06/07/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, 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	0.28	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	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	80.0	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
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:	FA15635-5	**Date Sampled:**	06/06/14
Matrix:	AQ - Ground Water	**Date Received:**	06/07/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, 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	114%		79-125%
2037-26-5	Toluene-D8	96%		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	9900	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-1		
Lab Sample ID:	FA15635-5	**Date Sampled:**	06/06/14
Matrix:	AQ - Ground Water	**Date Received:**	06/07/14
		Percent Solids:	n/a
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC		

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Iron	452	300	17	ug/l	1	06/17/14	06/17/14	LM	SW846 6010C [1]	SW846 3010A [2]
Manganese	479	15	1.0	ug/l	1	06/17/14	06/17/14	LM	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA11673
(2) Prep QC Batch: MP27417

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:	FA15635-5	**Date Sampled:**	06/06/14
Matrix:	AQ - Ground Water	**Date Received:**	06/07/14
		Percent Solids:	n/a
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Nitrogen, Nitrate	0.050 U	0.10	0.050	mg/l	1	06/07/14 13:16	CH	EPA 300/SW846 9056A
Nitrogen, Nitrite	0.050 U	0.10	0.050	mg/l	1	06/07/14 13:16	CH	EPA 300/SW846 9056A
Sulfate	43.9	2.0	0.60	mg/l	1	06/07/14 13:16	CH	EPA 300/SW846 9056A
Sulfide	0.22 U	0.80	0.22	mg/l	1	06/09/14 09:00	LE	SM4500S2- F-11
Total Organic Carbon	1.5	1.0	0.23	mg/l	1	06/11/14 05:08	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:	FA15635-6	**Date Sampled:**	06/06/14
Matrix:	AQ - Trip Blank Water	**Date Received:**	06/07/14
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z26289.D	1	06/09/14	AH	n/a	n/a	VZ1024
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	108%		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:	TRIP BLANK		
Lab Sample ID:	FA15635-6	**Date Sampled:**	06/06/14
Matrix:	AQ - Trip Blank Water	**Date Received:**	06/07/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0077238.D	1	06/17/14	RB	n/a	n/a	VN3381
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:	FA15635-6	**Date Sampled:**	06/06/14
Matrix:	AQ - Trip Blank Water	**Date Received:**	06/07/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, 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:	FA15635-6	**Date Sampled:**	06/06/14
Matrix:	AQ - Trip Blank Water	**Date Received:**	06/07/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, 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	114%		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	2.39	1200	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:	FA15635-7	**Date Sampled:**	06/06/14
Matrix:	SO - Trip Blank Soil	**Date Received:**	06/07/14
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F0064831.D	1	06/12/14	AH	n/a	n/a	VF2144
Run #2							

	Initial Weight
Run #1	5.00 g
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	5.0	2.0	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	97%		75-126%
17060-07-0	1,2-Dichloroethane-D4	109%		72-135%

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:	FA15635-7	**Date Sampled:**	06/06/14
Matrix:	SO - Trip Blank Soil	**Date Received:**	06/07/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H0085863.D	1	06/09/14	EP	n/a	n/a	VH3266
Run #2							

	Initial Weight
Run #1	5.00 g
Run #2	

VOA 8260 List

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	
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	

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:	FA15635-7	**Date Sampled:**	06/06/14
Matrix:	SO - Trip Blank Soil	**Date Received:**	06/07/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
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	
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	

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:	FA15635-7	**Date Sampled:**	06/06/14
Matrix:	SO - Trip Blank Soil	**Date Received:**	06/07/14
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	86%		75-124%
2037-26-5	Toluene-D8	92%		75-126%
460-00-4	4-Bromofluorobenzene	95%		71-133%
17060-07-0	1,2-Dichloroethane-D4	94%		72-135%

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

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 # FA15635 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: E-mail: Lane.Dorman@erm.com
Phone#: 919-233-4501
Sampler(s) Name(s) (Printed): T. Naumann / G. Kanellis

Project Information

Project Name: ECI Whitsett
Street: 1239 Rock Creek Dairy Rd
City: Whitsett 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	Date	Time	Sampled By	Matrix	Total # of Bottles	Other	None	HCl	NaOH	HNO3	H2SO4	NaOH+ZnAc	DI Water	NaSH	VOC 8260 + 10 TICs	1,4 Dioxane 8260 SIM	Total Mn, Fe	TOC	Sulfate, Nitrite, Nitrate	Sulfide	TCLP VOC	SPLP VOC	HSL metals *			LAB USE ONLY
1	GP-55@0.5'	6/6/14	1100	GK	SO	4		1						1	2	X	X						X				
2	Drum-1	↓	1300	↓	↓	1		1														X					
3	Drum-2		1305			1		1														X					
4	MW-11		09:40	TN	GW	8		1	8		2		2			X	X	X	X	X	X			X			
5	DW-1		1400	TN	GW	12		1	8		1		2			X	X	X	X	X	X						
6	Trip Blank	↓	—	—	—	2										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)
- [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 until approval by ERM project manager

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]	6/6/14 1450	2 [signature]	3 [signature]	6/6/14 1730	4 EX
Relinquished by:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
5 FE 06-07-14	930	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: 2.0

4.1 4

FA15635: Chain of Custody
Page 1 of 4

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: FA15635 CLIENT: ERM PROJECT: Eli Whitsett

DATE/TIME RECEIVED: 06-07-15 930 {MM/DD/YY 24:00} NUMBER OF COOLERS RECEIVED: 1

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

AIRBILL NUMBERS: 7702 2607 3794

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
- [x] 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: 2.6
- [ ] CORRECTED TEMPS: 2.0

SAMPLE INFORMATION

- [x] 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: Received 2 bottles SULFides samples 4,5

TECHNICIAN SIGNATURE/DATE [signature] 06-07-14 REVIEWER SIGNATURE/DATE [signature] 06/07/14

RS 04/14 receipt confirmation 041514.xls

4.1

4

FA15635: Chain of Custody

Page 2 of 4

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

Raleigh, NC 27617

Origin ID: RZZA

FedEx Express

J1410140207O326

Ship Date: 06JUN14
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

SATURDAY 12:00P
PRIORITY OVERNIGHT

TRK# 0201 **7702 2607 3794**

X0 TIXA

32811
FL-US
MCO

522G5/8BC4/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.

Job Change Order: FA15635_6/18/2014

Requested Date:	6/18/2014	**Received Date:**	6/7/2014
Account Name:	ERM	**Due Date:**	6/17/2014
Project	ECI Whitsett; 1239 Rock Creek Dairy Rd,	**Deliverable:**	COMMB
CSR:	JDS	**TAT (Days):**	1

Sample #:
FA15635-1,1L

Change: Per client, please change the sample IDs for the samples that start with "GP" and make them "WP". Thank you.

Above Changes Per: client, Greg Kanellis, via e-mail **Date:** 6/18/2014

To Client: This Change Order is confirmation of the revisions, previously discussed with the Accutest Client Service

Page 1 of 1

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: FA15635
Account: ERMNCR ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VZ1024-MB	Z26285.D	1	06/09/14	AH	n/a	n/a	VZ1024

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

FA15635-4, FA15635-5, FA15635-6

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	107%	74-125%
2037-26-5	Toluene-D8	91%	88-111%

Method Blank Summary

Job Number: FA15635
Account: ERMNCR ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF2144-MB	F0064830.D	1	06/12/14	AH	n/a	n/a	VF2144

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

FA15635-1, FA15635-7

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	5.0	2.0	ug/kg	

CAS No.	Surrogate Recoveries		Limits
2037-26-5	Toluene-D8	98%	75-126%
17060-07-0	1,2-Dichloroethane-D4	111%	72-135%

Method Blank Summary

Job Number: FA15635
Account: ERMNCR ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VH3266-MB	H0085855.D	1	06/09/14	EP	n/a	n/a	VH3266

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

FA15635-1, FA15635-7

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	
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	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.3	ug/kg	

Method Blank Summary

Job Number: FA15635
Account: ERMNCR ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VH3266-MB	H0085855.D	1	06/09/14	EP	n/a	n/a	VH3266

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

FA15635-1, FA15635-7

CAS No.	Compound	Result	RL	MDL	Units	Q
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: FA15635
Account: ERMNCR ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VH3266-MB	H0085855.D	1	06/09/14	EP	n/a	n/a	VH3266

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

FA15635-1, FA15635-7

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	86%	75-124%
2037-26-5	Toluene-D8	92%	75-126%
460-00-4	4-Bromofluorobenzene	95%	71-133%
17060-07-0	1,2-Dichloroethane-D4	94%	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: FA15635
Account: ERMNCR ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM3169-MB	M75025.D	1	06/12/14	RB	n/a	n/a	VM3169

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

FA15635-1L

CAS No.	Compound	Result	RL	MDL	Units	Q
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	

Method Blank Summary

Job Number: FA15635
Account: ERMNCR ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM3169-MB	M75025.D	1	06/12/14	RB	n/a	n/a	VM3169

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

FA15635-1L

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	97%	83-118%
17060-07-0	1,2-Dichloroethane-D4	94%	79-125%
2037-26-5	Toluene-D8	92%	85-112%
460-00-4	4-Bromofluorobenzene	93%	83-118%

Method Blank Summary

Job Number: FA15635
Account: ERMNCR ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VN3381-MB	N0077226.D	1	06/17/14	RB	n/a	n/a	VN3381

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

FA15635-4, FA15635-5, FA15635-6

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: FA15635
Account: ERMNCR ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VN3381-MB	N0077226.D	1	06/17/14	RB	n/a	n/a	VN3381

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

FA15635-4, FA15635-5, FA15635-6

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: FA15635
Account: ERMNCR ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VN3381-MB	N0077226.D	1	06/17/14	RB	n/a	n/a	VN3381

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

FA15635-4, FA15635-5, FA15635-6

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	103%	83-118%
17060-07-0	1,2-Dichloroethane-D4	110%	79-125%
2037-26-5	Toluene-D8	95%	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	470	ug/l	JN
	Total TIC, Volatile		0	ug/l	

Leachate Blank Summary

Job Number: FA15635
Account: ERMNCR ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP51989-LB	N0077256.D	10	06/18/14	RB	06/16/14	OP51989	VN3382

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

FA15635-2, FA15635-3

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	10	2.4	ug/l	
108-90-7	Chlorobenzene	ND	10	2.4	ug/l	
67-66-3	Chloroform	ND	10	3.1	ug/l	
56-23-5	Carbon tetrachloride	ND	10	4.0	ug/l	
75-35-4	1,1-Dichloroethylene	ND	10	2.5	ug/l	
107-06-2	1,2-Dichloroethane	ND	10	2.4	ug/l	
106-46-7	p-Dichlorobenzene	ND	10	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	50	15	ug/l	
127-18-4	Tetrachloroethylene	ND	10	2.6	ug/l	
79-01-6	Trichloroethylene	ND	10	3.0	ug/l	
75-01-4	Vinyl chloride	ND	10	3.3	ug/l	

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

Leachate Blank Summary

Job Number: FA15635
Account: ERMNCR ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP51989-LB	N0077285.D	10	06/19/14	RB	06/16/14	OP51989	VN3385

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

FA15635-2, FA15635-3

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	10	2.4	ug/l	
108-90-7	Chlorobenzene	ND	10	2.4	ug/l	
67-66-3	Chloroform	ND	10	3.1	ug/l	
56-23-5	Carbon tetrachloride	ND	10	4.0	ug/l	
75-35-4	1,1-Dichloroethylene	ND	10	2.5	ug/l	
107-06-2	1,2-Dichloroethane	ND	10	2.4	ug/l	
106-46-7	p-Dichlorobenzene	ND	10	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	50	15	ug/l	
127-18-4	Tetrachloroethylene	ND	10	2.6	ug/l	
79-01-6	Trichloroethylene	ND	10	3.0	ug/l	
75-01-4	Vinyl chloride	ND	10	3.3	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	107%	83-118%
17060-07-0	1,2-Dichloroethane-D4	112%	79-125%
2037-26-5	Toluene-D8	97%	85-112%
460-00-4	4-Bromofluorobenzene	98%	83-118%

Blank Spike Summary

Job Number: FA15635
Account: ERMNCR ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VZ1024-BS	Z26283.D	1	06/09/14	AH	n/a	n/a	VZ1024

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

FA15635-4, FA15635-5, FA15635-6

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
123-91-1	1,4-Dioxane	50	40.3	81	65-121

CAS No.	Surrogate Recoveries	BSP	Limits
17060-07-0	1,2-Dichloroethane-D4	108%	74-125%
2037-26-5	Toluene-D8	91%	88-111%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA15635
Account: ERMNCR ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF2144-BS	F0064829.D	1	06/12/14	AH	n/a	n/a	VF2144

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

FA15635-1, FA15635-7

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
123-91-1	1,4-Dioxane	50	46.7	93	56-152

CAS No.	Surrogate Recoveries	BSP	Limits
2037-26-5	Toluene-D8	96%	75-126%
17060-07-0	1,2-Dichloroethane-D4	115%	72-135%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA15635
Account: ERMNCR ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VH3266-BS	H0085854.D	1	06/09/14	EP	n/a	n/a	VH3266

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

FA15635-1, FA15635-7

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	250	233	93	61-152
107-02-8	Acrolein	250	243	97	48-178
107-13-1	Acrylonitrile	250	228	91	66-134
71-43-2	Benzene	50	50.6	101	76-126
108-86-1	Bromobenzene	50	49.5	99	76-122
74-97-5	Bromochloromethane	50	49.3	99	77-120
75-27-4	Bromodichloromethane	50	57.4	115	74-130
75-25-2	Bromoform	50	43.9	88	76-127
104-51-8	n-Butylbenzene	50	50.0	100	71-128
135-98-8	sec-Butylbenzene	50	55.3	111	79-135
98-06-6	tert-Butylbenzene	50	54.0	108	77-133
108-90-7	Chlorobenzene	50	53.6	107	81-129
75-00-3	Chloroethane	50	52.0	104	68-133
67-66-3	Chloroform	50	51.1	102	72-123
95-49-8	o-Chlorotoluene	50	53.8	108	77-129
106-43-4	p-Chlorotoluene	50	55.6	111	80-134
110-75-8	2-Chloroethyl vinyl ether	250	236	94	45-159
75-15-0	Carbon disulfide	50	52.8	106	72-122
56-23-5	Carbon tetrachloride	50	59.3	119	78-133
75-34-3	1,1-Dichloroethane	50	51.3	103	73-125
75-35-4	1,1-Dichloroethylene	50	49.7	99	81-136
563-58-6	1,1-Dichloropropene	50	53.5	107	75-130
96-12-8	1,2-Dibromo-3-chloropropane	50	42.5	85	70-137
106-93-4	1,2-Dibromoethane	50	48.1	96	77-126
107-06-2	1,2-Dichloroethane	50	50.1	100	74-128
78-87-5	1,2-Dichloropropane	50	50.4	101	74-125
142-28-9	1,3-Dichloropropane	50	48.4	97	76-122
594-20-7	2,2-Dichloropropane	50	61.7	123	77-133
124-48-1	Dibromochloromethane	50	46.6	93	76-127
75-71-8	Dichlorodifluoromethane	50	55.0	110	68-168
156-59-2	cis-1,2-Dichloroethylene	50	50.1	100	74-126
10061-01-5	cis-1,3-Dichloropropene	50	51.4	103	80-123
541-73-1	m-Dichlorobenzene	50	55.5	111	81-129
95-50-1	o-Dichlorobenzene	50	53.8	108	80-129
106-46-7	p-Dichlorobenzene	50	51.6	103	76-130
156-60-5	trans-1,2-Dichloroethylene	50	51.4	103	70-127

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA15635
Account: ERMNCR ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VH3266-BS	H0085854.D	1	06/09/14	EP	n/a	n/a	VH3266

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

FA15635-1, FA15635-7

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
10061-02-6	trans-1,3-Dichloropropene	50	46.9	94	75-131
100-41-4	Ethylbenzene	50	50.1	100	77-123
591-78-6	2-Hexanone	250	215	86	72-133
87-68-3	Hexachlorobutadiene	50	52.2	104	74-136
98-82-8	Isopropylbenzene	50	54.5	109	80-136
99-87-6	p-Isopropyltoluene	50	54.4	109	77-131
108-10-1	4-Methyl-2-pentanone	250	215	86	76-132
74-83-9	Methyl bromide	50	54.9	110	65-139
74-87-3	Methyl chloride	50	52.3	105	71-144
74-95-3	Methylene bromide	50	49.2	98	74-124
75-09-2	Methylene chloride	50	49.4	99	74-137
78-93-3	Methyl ethyl ketone	250	223	89	75-137
1634-04-4	Methyl Tert Butyl Ether	50	52.9	106	77-120
91-20-3	Naphthalene	50	46.3	93	79-129
103-65-1	n-Propylbenzene	50	55.1	110	80-135
100-42-5	Styrene	50	50.7	101	78-125
630-20-6	1,1,1,2-Tetrachloroethane	50	49.7	99	78-126
71-55-6	1,1,1-Trichloroethane	50	55.1	110	70-129
79-34-5	1,1,2,2-Tetrachloroethane	50	47.5	95	71-126
79-00-5	1,1,2-Trichloroethane	50	46.8	94	74-124
87-61-6	1,2,3-Trichlorobenzene	50	49.1	98	77-128
96-18-4	1,2,3-Trichloropropane	50	45.1	90	74-127
120-82-1	1,2,4-Trichlorobenzene	50	50.5	101	78-130
95-63-6	1,2,4-Trimethylbenzene	50	50.7	101	74-123
108-67-8	1,3,5-Trimethylbenzene	50	50.6	101	73-122
127-18-4	Tetrachloroethylene	50	50.0	100	79-130
108-88-3	Toluene	50	48.8	98	76-124
79-01-6	Trichloroethylene	50	50.5	101	75-128
75-69-4	Trichlorofluoromethane	50	58.0	116	73-145
75-01-4	Vinyl chloride	50	50.0	100	76-141
108-05-4	Vinyl Acetate	250	182	73	48-164
	m,p-Xylene	100	104	104	80-128
95-47-6	o-Xylene	50	53.2	106	80-132

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA15635
Account: ERMNCR ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VH3266-BS	H0085854.D	1	06/09/14	EP	n/a	n/a	VH3266

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

FA15635-1, FA15635-7

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	92%	75-124%
2037-26-5	Toluene-D8	94%	75-126%
460-00-4	4-Bromofluorobenzene	95%	71-133%
17060-07-0	1,2-Dichloroethane-D4	89%	72-135%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA15635
Account: ERMNCR ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM3169-BS	M75023.D	1	06/12/14	RB	n/a	n/a	VM3169

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

FA15635-1L

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	25	24.2	97	81-122
75-27-4	Bromodichloromethane	25	22.3	89	79-123
75-25-2	Bromoform	25	22.6	90	66-123
108-90-7	Chlorobenzene	25	24.5	98	82-124
75-00-3	Chloroethane	25	24.6	98	62-144
67-66-3	Chloroform	25	22.5	90	80-124
75-15-0	Carbon disulfide	25	20.4	82	66-148
56-23-5	Carbon tetrachloride	25	23.6	94	76-136
75-34-3	1,1-Dichloroethane	25	24.3	97	81-122
75-35-4	1,1-Dichloroethylene	25	25.5	102	78-137
107-06-2	1,2-Dichloroethane	25	22.4	90	75-125
78-87-5	1,2-Dichloropropane	25	23.3	93	76-124
124-48-1	Dibromochloromethane	25	22.0	88	78-122
156-59-2	cis-1,2-Dichloroethylene	25	23.5	94	78-120
10061-01-5	cis-1,3-Dichloropropene	25	23.0	92	75-118
156-60-5	trans-1,2-Dichloroethylene	25	22.8	91	76-127
10061-02-6	trans-1,3-Dichloropropene	25	21.9	88	80-120
100-41-4	Ethylbenzene	25	22.5	90	81-121
591-78-6	2-Hexanone	125	130	104	61-129
108-10-1	4-Methyl-2-pentanone	125	110	88	66-122
74-83-9	Methyl bromide	25	21.2	85	59-143
74-87-3	Methyl chloride	25	31.1	124	50-159
75-09-2	Methylene chloride	25	26.3	105	69-135
78-93-3	Methyl ethyl ketone	125	128	102	56-143
100-42-5	Styrene	25	23.4	94	78-119
71-55-6	1,1,1-Trichloroethane	25	23.0	92	75-130
79-34-5	1,1,2,2-Tetrachloroethane	25	22.0	88	72-120
79-00-5	1,1,2-Trichloroethane	25	22.5	90	76-119
127-18-4	Tetrachloroethylene	25	25.5	102	76-135
108-88-3	Toluene	25	22.6	90	80-120
79-01-6	Trichloroethylene	25	22.9	92	81-126
75-01-4	Vinyl chloride	25	26.0	104	69-159
1330-20-7	Xylene (total)	75	71.4	95	80-126

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA15635
Account: ERMNCR ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM3169-BS	M75023.D	1	06/12/14	RB	n/a	n/a	VM3169

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

FA15635-1L

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	101%	83-118%
17060-07-0	1,2-Dichloroethane-D4	94%	79-125%
2037-26-5	Toluene-D8	84%* [a]	85-112%
460-00-4	4-Bromofluorobenzene	92%	83-118%

(a) Outside control limits.

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA15635
Account: ERMNCR ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VN3381-BS	N0077225.D	1	06/17/14	RB	n/a	n/a	VN3381

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

FA15635-4, FA15635-5, FA15635-6

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	188	150*	50-147
107-02-8	Acrolein	125	99.1	79	31-154
107-13-1	Acrylonitrile	125	126	101	58-126
71-43-2	Benzene	25	25.0	100	81-122
108-86-1	Bromobenzene	25	23.7	95	80-121
74-97-5	Bromochloromethane	25	25.0	100	76-123
75-27-4	Bromodichloromethane	25	26.7	107	79-123
75-25-2	Bromoform	25	24.6	98	66-123
104-51-8	n-Butylbenzene	25	25.0	100	79-126
135-98-8	sec-Butylbenzene	25	25.5	102	83-133
98-06-6	tert-Butylbenzene	25	26.6	106	80-133
108-90-7	Chlorobenzene	25	26.0	104	82-124
75-00-3	Chloroethane	25	25.4	102	62-144
67-66-3	Chloroform	25	27.6	110	80-124
95-49-8	o-Chlorotoluene	25	24.8	99	81-127
106-43-4	p-Chlorotoluene	25	25.5	102	83-130
110-75-8	2-Chloroethyl vinyl ether	125	119	95	56-122
75-15-0	Carbon disulfide	25	25.0	100	66-148
56-23-5	Carbon tetrachloride	25	31.8	127	76-136
75-34-3	1,1-Dichloroethane	25	26.4	106	81-122
75-35-4	1,1-Dichloroethylene	25	32.2	129	78-137
563-58-6	1,1-Dichloropropene	25	28.4	114	79-131
96-12-8	1,2-Dibromo-3-chloropropane	25	23.7	95	64-123
106-93-4	1,2-Dibromoethane	25	24.1	96	75-120
107-06-2	1,2-Dichloroethane	25	28.0	112	75-125
78-87-5	1,2-Dichloropropane	25	24.2	97	76-124
142-28-9	1,3-Dichloropropane	25	23.6	94	80-118
594-20-7	2,2-Dichloropropane	25	31.9	128	74-139
124-48-1	Dibromochloromethane	25	24.6	98	78-122
75-71-8	Dichlorodifluoromethane	25	30.2	121	42-167
156-59-2	cis-1,2-Dichloroethylene	25	26.3	105	78-120
10061-01-5	cis-1,3-Dichloropropene	25	26.5	106	75-118
541-73-1	m-Dichlorobenzene	25	25.3	101	84-125
95-50-1	o-Dichlorobenzene	25	25.7	103	82-124
106-46-7	p-Dichlorobenzene	25	23.2	93	78-120
156-60-5	trans-1,2-Dichloroethylene	25	27.2	109	76-127

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA15635
Account: ERMNCR ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VN3381-BS	N0077225.D	1	06/17/14	RB	n/a	n/a	VN3381

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

FA15635-4, FA15635-5, FA15635-6

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	24.8	99	81-121
591-78-6	2-Hexanone	125	137	110	61-129
87-68-3	Hexachlorobutadiene	25	27.0	108	75-142
98-82-8	Isopropylbenzene	25	28.6	114	83-132
99-87-6	p-Isopropyltoluene	25	24.7	99	79-130
108-10-1	4-Methyl-2-pentanone	125	102	82	66-122
74-83-9	Methyl bromide	25	26.8	107	59-143
74-87-3	Methyl chloride	25	28.1	112	50-159
74-95-3	Methylene bromide	25	25.8	103	78-119
75-09-2	Methylene chloride	25	24.2	97	69-135
78-93-3	Methyl ethyl ketone	125	140	112	56-143
1634-04-4	Methyl Tert Butyl Ether	25	25.0	100	72-117
91-20-3	Naphthalene	25	21.3	85	63-132
103-65-1	n-Propylbenzene	25	24.9	100	82-133
100-42-5	Styrene	25	25.3	101	78-119
630-20-6	1,1,1,2-Tetrachloroethane	25	25.9	104	77-122
71-55-6	1,1,1-Trichloroethane	25	30.5	122	75-130
79-34-5	1,1,2,2-Tetrachloroethane	25	21.7	87	72-120
79-00-5	1,1,2-Trichloroethane	25	22.9	92	76-119
87-61-6	1,2,3-Trichlorobenzene	25	25.2	101	68-131
96-18-4	1,2,3-Trichloropropane	25	23.7	95	77-120
120-82-1	1,2,4-Trichlorobenzene	25	25.7	103	73-129
95-63-6	1,2,4-Trimethylbenzene	25	22.7	91	79-120
108-67-8	1,3,5-Trimethylbenzene	25	24.4	98	79-120
127-18-4	Tetrachloroethylene	25	26.1	104	76-135
108-88-3	Toluene	25	24.1	96	80-120
79-01-6	Trichloroethylene	25	26.2	105	81-126
75-69-4	Trichlorofluoromethane	25	32.5	130	71-156
75-01-4	Vinyl chloride	25	27.1	108	69-159
108-05-4	Vinyl Acetate	125	146	117	43-154
	m,p-Xylene	50	50.7	101	79-126
95-47-6	o-Xylene	25	25.7	103	80-127

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA15635
Account: ERMNCR ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VN3381-BS	N0077225.D	1	06/17/14	RB	n/a	n/a	VN3381

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

FA15635-4, FA15635-5, FA15635-6

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	106%	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	97%	83-118%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA15635
Account: ERMNCR ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VN3380-BS	N0077225.D	1	06/17/14	RB	n/a	n/a	VN3380

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

FA15635-1L

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	188	150*	50-147

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	106%	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	97%	83-118%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA15635
Account: ERMNCR ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VN3382-BS	N0077254.D	10	06/18/14	RB	n/a	n/a	VN3382

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

FA15635-2, FA15635-3

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	250	261	104	81-122
108-90-7	Chlorobenzene	250	271	108	82-124
67-66-3	Chloroform	250	291	116	80-124
56-23-5	Carbon tetrachloride	250	344	138*	76-136
75-35-4	1,1-Dichloroethylene	250	366	146*	78-137
107-06-2	1,2-Dichloroethane	250	297	119	75-125
106-46-7	p-Dichlorobenzene	250	241	96	78-120
78-93-3	Methyl ethyl ketone	1250	919	74	56-143
127-18-4	Tetrachloroethylene	250	275	110	76-135
79-01-6	Trichloroethylene	250	271	108	81-126
75-01-4	Vinyl chloride	250	267	107	69-159

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	106%	83-118%
17060-07-0	1,2-Dichloroethane-D4	108%	79-125%
2037-26-5	Toluene-D8	97%	85-112%
460-00-4	4-Bromofluorobenzene	96%	83-118%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA15635
Account: ERMNCR ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA15630-1MS	Z26294.D	1	06/09/14	AH	n/a	n/a	VZ1024
FA15630-1MSD	Z26295.D	1	06/09/14	AH	n/a	n/a	VZ1024
FA15630-1	Z26293.D	1	06/09/14	AH	n/a	n/a	VZ1024

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

FA15635-4, FA15635-5, FA15635-6

CAS No.	Compound	FA15630-1 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	2.2		50	45.6	87	50	49.3	94	8	65-121/27

CAS No.	Surrogate Recoveries	MS	MSD	FA15630-1	Limits
17060-07-0	1,2-Dichloroethane-D4	110%	107%	108%	74-125%
2037-26-5	Toluene-D8	88%	91%	88%	88-111%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA15635
Account: ERMNCR ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA15635-1MS	F0064833.D	1	06/12/14	AH	n/a	n/a	VF2144
FA15635-1MSD	F0064834.D	1	06/12/14	AH	n/a	n/a	VF2144
FA15635-1	F0064832.D	1	06/12/14	AH	n/a	n/a	VF2144

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

FA15635-1, FA15635-7

CAS No.	Compound	FA15635-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
123-91-1	1,4-Dioxane	ND		70.5	63.2	90	69.6	79.2	114	22	56-152/37

CAS No.	Surrogate Recoveries	MS	MSD	FA15635-1	Limits
2037-26-5	Toluene-D8	97%	94%	94%	75-126%
17060-07-0	1,2-Dichloroethane-D4	110%	108%	120%	72-135%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA15635
Account: ERMNCR ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA15632-3MS	H0085871.D	1	06/09/14	EP	n/a	n/a	VH3266
FA15632-3MSD	H0085872.D	1	06/09/14	EP	n/a	n/a	VH3266
FA15632-3	H0085857.D	1	06/09/14	EP	n/a	n/a	VH3266

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

FA15635-1, FA15635-7

CAS No.	Compound	FA15632-3 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	34.3	J	389	401	94	389	383	90	5	61-152/27
107-02-8	Acrolein	ND		389	271	70	389	310	80	13	48-178/37
107-13-1	Acrylonitrile	ND		389	370	95	389	355	91	4	66-134/26
71-43-2	Benzene	ND		77.7	68.6	88	77.7	70.7	91	3	76-126/26
108-86-1	Bromobenzene	ND		77.7	68.1	88	77.7	71.9	92	5	76-122/32
74-97-5	Bromochloromethane	ND		77.7	70.9	91	77.7	71.9	92	1	77-120/24
75-27-4	Bromodichloromethane	ND		77.7	78.5	101	77.7	80.3	103	2	74-130/25
75-25-2	Bromoform	ND		77.7	65.3	84	77.7	67.2	86	3	76-127/26
104-51-8	n-Butylbenzene	ND		77.7	61.3	79	77.7	63.4	82	3	71-128/35
135-98-8	sec-Butylbenzene	ND		77.7	69.7	90	77.7	72.6	93	4	79-135/34
98-06-6	tert-Butylbenzene	ND		77.7	67.8	87	77.7	72.1	93	6	77-133/34
108-90-7	Chlorobenzene	ND		77.7	70.7	91	77.7	73.8	95	4	81-129/29
75-00-3	Chloroethane	ND		77.7	68.3	88	77.7	72.8	94	6	68-133/29
67-66-3	Chloroform	ND		77.7	69.5	89	77.7	72.3	93	4	72-123/26
95-49-8	o-Chlorotoluene	ND		77.7	69.3	89	77.7	72.7	94	5	77-129/33
106-43-4	p-Chlorotoluene	ND		77.7	72.1	93	77.7	74.8	96	4	80-134/33
110-75-8	2-Chloroethyl vinyl ether	ND		389	339	87	389	324	83	5	45-159/26
75-15-0	Carbon disulfide	ND		77.7	64.0	82	77.7	67.9	87	6	72-122/29
56-23-5	Carbon tetrachloride	ND		77.7	76.9	99	77.7	79.0	102	3	78-133/29
75-34-3	1,1-Dichloroethane	ND		77.7	68.3	88	77.7	71.3	92	4	73-125/27
75-35-4	1,1-Dichloroethylene	ND		77.7	63.4	82	77.7	68.4	88	8	81-136/28
563-58-6	1,1-Dichloropropene	ND		77.7	70.2	90	77.7	71.8	92	2	75-130/28
96-12-8	1,2-Dibromo-3-chloropropane	ND		77.7	65.8	85	77.7	67.2	86	2	70-137/29
106-93-4	1,2-Dibromoethane	ND		77.7	71.4	92	77.7	72.3	93	1	77-126/26
107-06-2	1,2-Dichloroethane	ND		77.7	72.3	93	77.7	73.6	95	2	74-128/23
78-87-5	1,2-Dichloropropane	ND		77.7	70.4	91	77.7	71.5	92	2	74-125/25
142-28-9	1,3-Dichloropropane	ND		77.7	69.3	89	77.7	71.8	92	4	76-122/26
594-20-7	2,2-Dichloropropane	ND		77.7	78.6	101	77.7	81.6	105	4	77-133/28
124-48-1	Dibromochloromethane	ND		77.7	66.2	85	77.7	68.7	88	4	76-127/27
75-71-8	Dichlorodifluoromethane	ND		77.7	68.9	89	77.7	71.6	92	4	68-168/29
156-59-2	cis-1,2-Dichloroethylene	ND		77.7	67.4	87	77.7	70.8	91	5	74-126/26
10061-01-5	cis-1,3-Dichloropropene	ND		77.7	69.7	90	77.7	69.2	89	1	80-123/26
541-73-1	m-Dichlorobenzene	ND		77.7	71.7	92	77.7	75.0	96	4	81-129/33
95-50-1	o-Dichlorobenzene	ND		77.7	72.2	93	77.7	74.7	96	3	80-129/32
106-46-7	p-Dichlorobenzene	ND		77.7	68.0	87	77.7	70.5	91	4	76-130/32
156-60-5	trans-1,2-Dichloroethylene	ND		77.7	65.1	84	77.7	67.9	87	4	70-127/27

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA15635
Account: ERMNCR ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA15632-3MS	H0085871.D	1	06/09/14	EP	n/a	n/a	VH3266
FA15632-3MSD	H0085872.D	1	06/09/14	EP	n/a	n/a	VH3266
FA15632-3	H0085857.D	1	06/09/14	EP	n/a	n/a	VH3266

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

FA15635-1, FA15635-7

CAS No.	Compound	FA15632-3 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
10061-02-6	trans-1,3-Dichloropropene	ND		77.7	63.3	81	77.7	64.5	83	2	75-131/28
100-41-4	Ethylbenzene	ND		77.7	66.2	85	77.7	68.9	89	4	77-123/31
591-78-6	2-Hexanone	ND		389	349	90	389	334	86	4	72-133/26
87-68-3	Hexachlorobutadiene	ND		77.7	57.4	74	77.7	63.3	81	10	74-136/38
98-82-8	Isopropylbenzene	ND		77.7	70.5	91	77.7	72.7	94	3	80-136/32
99-87-6	p-Isopropyltoluene	ND		77.7	69.0	89	77.7	72.0	93	4	77-131/34
108-10-1	4-Methyl-2-pentanone	ND		389	349	90	389	345	89	1	76-132/26
74-83-9	Methyl bromide	ND		77.7	71.0	91	77.7	76.2	98	7	65-139/31
74-87-3	Methyl chloride	ND		77.7	65.5	84	77.7	71.5	92	9	71-144/27
74-95-3	Methylene bromide	ND		77.7	71.9	92	77.7	73.0	94	2	74-124/24
75-09-2	Methylene chloride	ND		77.7	70.6	91	77.7	74.5	96	5	74-137/28
78-93-3	Methyl ethyl ketone	ND		389	370	95	389	359	92	3	75-137/25
1634-04-4	Methyl Tert Butyl Ether	ND		77.7	78.8	101	77.7	80.9	104	3	77-120/24
91-20-3	Naphthalene	ND		77.7	65.5	84	77.7	69.1	89	5	79-129/33
103-65-1	n-Propylbenzene	ND		77.7	69.1	89	77.7	72.5	93	5	80-135/33
100-42-5	Styrene	ND		77.7	67.9	87	77.7	71.0	91	4	78-125/30
630-20-6	1,1,1,2-Tetrachloroethane	ND		77.7	67.4	87	77.7	70.5	91	4	78-126/27
71-55-6	1,1,1-Trichloroethane	ND		77.7	72.4	93	77.7	75.0	96	4	70-129/27
79-34-5	1,1,2,2-Tetrachloroethane	ND		77.7	71.7	92	77.7	72.1	93	1	71-126/30
79-00-5	1,1,2-Trichloroethane	ND		77.7	68.0	87	77.7	70.1	90	3	74-124/28
87-61-6	1,2,3-Trichlorobenzene	ND		77.7	63.7	82	77.7	67.9	87	6	77-128/35
96-18-4	1,2,3-Trichloropropane	ND		77.7	72.7	94	77.7	71.8	92	1	74-127/27
120-82-1	1,2,4-Trichlorobenzene	ND		77.7	64.5	83	77.7	67.7	87	5	78-130/34
95-63-6	1,2,4-Trimethylbenzene	ND		77.7	67.6	87	77.7	69.4	89	3	74-123/34
108-67-8	1,3,5-Trimethylbenzene	ND		77.7	66.2	85	77.7	69.2	89	4	73-122/33
127-18-4	Tetrachloroethylene	ND		77.7	64.2	83	77.7	66.4	85	3	79-130/31
108-88-3	Toluene	ND		77.7	64.7	83	77.7	68.2	88	5	76-124/30
79-01-6	Trichloroethylene	ND		77.7	67.7	87	77.7	69.5	89	3	75-128/27
75-69-4	Trichlorofluoromethane	ND		77.7	69.1	89	77.7	74.8	96	8	73-145/31
75-01-4	Vinyl chloride	ND		77.7	64.1	82	77.7	68.7	88	7	76-141/27
108-05-4	Vinyl Acetate	ND		389	265	68	389	252	65	5	48-164/37
	m,p-Xylene	ND		155	138	89	155	144	93	4	80-128/30
95-47-6	o-Xylene	ND		77.7	70.4	91	77.7	74.5	96	6	80-132/30

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA15635
Account: ERMNCR ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA15632-3MS	H0085871.D	1	06/09/14	EP	n/a	n/a	VH3266
FA15632-3MSD	H0085872.D	1	06/09/14	EP	n/a	n/a	VH3266
FA15632-3	H0085857.D	1	06/09/14	EP	n/a	n/a	VH3266

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

FA15635-1, FA15635-7

CAS No.	Surrogate Recoveries	MS	MSD	FA15632-3	Limits
1868-53-7	Dibromofluoromethane	93%	93%	90%	75-124%
2037-26-5	Toluene-D8	91%	92%	90%	75-126%
460-00-4	4-Bromofluorobenzene	96%	94%	94%	71-133%
17060-07-0	1,2-Dichloroethane-D4	91%	86%	105%	72-135%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA15635
Account: ERMNCR ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA15618-1LMS	M75032.D	1	06/12/14	RB	n/a	n/a	VM3169
FA15618-1LMSD	M75033.D	1	06/12/14	RB	n/a	n/a	VM3169
FA15618-1L	M75026.D	1	06/12/14	RB	06/09/14	OP51903	VM3169

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

FA15635-1L

CAS No.	Compound	FA15618-1L ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	0.36	I	25	25.9	102	25	25.8	102	0	81-122/14
75-27-4	Bromodichloromethane	1.0 U		25	23.4	94	25	23.9	96	2	79-123/19
75-25-2	Bromoform	1.0 U		25	23.5	94	25	23.1	92	2	66-123/21
108-90-7	Chlorobenzene	1.0 U		25	26.4	106	25	26.4	106	0	82-124/14
75-00-3	Chloroethane	2.0 U		25	21.0	84	25	19.2	77	9	62-144/20
67-66-3	Chloroform	1.0 U		25	24.5	98	25	23.6	94	4	80-124/15
75-15-0	Carbon disulfide	2.0 U		25	24.6	98	25	23.7	95	4	66-148/23
56-23-5	Carbon tetrachloride	1.0 U		25	24.6	98	25	25.0	100	2	76-136/23
75-34-3	1,1-Dichloroethane	1.0 U		25	25.1	100	25	25.3	101	1	81-122/15
75-35-4	1,1-Dichloroethylene	1.0 U		25	28.4	114	25	27.6	110	3	78-137/18
107-06-2	1,2-Dichloroethane	1.0 U		25	23.7	95	25	23.9	96	1	75-125/14
78-87-5	1,2-Dichloropropane	1.0 U		25	24.7	99	25	24.6	98	0	76-124/14
124-48-1	Dibromochloromethane	1.0 U		25	23.4	94	25	24.1	96	3	78-122/19
156-59-2	cis-1,2-Dichloroethylene	1.0 U		25	25.0	100	25	24.1	96	4	78-120/15
10061-01-5	cis-1,3-Dichloropropene	1.0 U		25	24.5	98	25	24.7	99	1	75-118/23
156-60-5	trans-1,2-Dichloroethylene	1.0 U		25	24.3	97	25	23.4	94	4	76-127/17
10061-02-6	trans-1,3-Dichloropropene	1.0 U		25	23.4	94	25	23.8	95	2	80-120/22
100-41-4	Ethylbenzene	1.0 U		25	24.7	99	25	24.4	98	1	81-121/14
591-78-6	2-Hexanone	10 U		125	144	115	125	149	119	3	61-129/18
108-10-1	4-Methyl-2-pentanone	5.0 U		125	109	87	125	113	90	4	66-122/16
74-83-9	Methyl bromide	2.0 U		25	20.5	82	25	20.0	80	2	59-143/19
74-87-3	Methyl chloride	2.0 U		25	28.2	113	25	28.5	114	1	50-159/19
75-09-2	Methylene chloride	5.0 U		25	28.3	113	25	28.2	113	0	69-135/16
78-93-3	Methyl ethyl ketone	5.0 U		125	135	108	125	141	113	4	56-143/18
100-42-5	Styrene	1.0 U		25	25.4	102	25	25.5	102	0	78-119/23
71-55-6	1,1,1-Trichloroethane	1.0 U		25	25.6	102	25	24.9	100	3	75-130/16
79-34-5	1,1,2,2-Tetrachloroethane	1.0 U		25	20.4	82	25	21.0	84	3	72-120/14
79-00-5	1,1,2-Trichloroethane	1.0 U		25	21.7	87	25	22.9	92	5	76-119/14
127-18-4	Tetrachloroethylene	0.61	I	25	27.4	107	25	27.0	106	1	76-135/16
108-88-3	Toluene	2.1		25	26.3	97	25	26.0	96	1	80-120/14
79-01-6	Trichloroethylene	1.0 U		25	25.4	102	25	26.4	106	4	81-126/15
75-01-4	Vinyl chloride	1.0 U		25	24.0	96	25	23.5	94	2	69-159/18
1330-20-7	Xylene (total)	1.3	I	75	80.0	105	75	79.4	104	1	80-126/15

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA15635
Account: ERMNCR ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA15618-1LMS	M75032.D	1	06/12/14	RB	n/a	n/a	VM3169
FA15618-1LMSD	M75033.D	1	06/12/14	RB	n/a	n/a	VM3169
FA15618-1L	M75026.D	1	06/12/14	RB	06/09/14	OP51903	VM3169

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

FA15635-1L

CAS No.	Surrogate Recoveries	MS	MSD	FA15618-1L	Limits
1868-53-7	Dibromofluoromethane	96%	99%	98%	83-118%
17060-07-0	1,2-Dichloroethane-D4	93%	94%	91%	79-125%
2037-26-5	Toluene-D8	87%	89%	89%	85-112%
460-00-4	4-Bromofluorobenzene	94%	95%	96%	83-118%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA15635
Account: ERMNCR ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA15673-1LMS	N0077234.D	1	06/17/14	RB	n/a	n/a	VN3380
FA15673-1LMSD	N0077235.D	1	06/17/14	RB	n/a	n/a	VN3380
FA15673-1L	N0077230.D	1	06/17/14	RB	06/13/14	OP51972	VN3380

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

FA15635-1L

CAS No.	Compound	FA15673-1L 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	25	U	125	203	162*	125	194	155*	5	50-147/21

CAS No.	Surrogate Recoveries	MS	MSD	FA15673-1L	Limits
1868-53-7	Dibromofluoromethane	107%	104%	107%	83-118%
17060-07-0	1,2-Dichloroethane-D4	115%	110%	112%	79-125%
2037-26-5	Toluene-D8	95%	97%	96%	85-112%
460-00-4	4-Bromofluorobenzene	95%	96%	98%	83-118%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA15635
Account: ERMNCR ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA15620-1MS	N0077245.D	1	06/17/14	RB	n/a	n/a	VN3381
FA15620-1MSD	N0077246.D	1	06/17/14	RB	n/a	n/a	VN3381
FA15620-1	N0077236.D	1	06/17/14	RB	n/a	n/a	VN3381

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

FA15635-4, FA15635-5, FA15635-6

CAS No.	Compound	FA15620-1 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	25	U	125	96.1	77	125	104	83	8	50-147/21
107-02-8	Acrolein	20	U	125	125	100	125	117	94	7	31-154/29
107-13-1	Acrylonitrile	10	U	125	133	106	125	138	110	4	58-126/16
71-43-2	Benzene	1.0	U	25	25.3	101	25	25.0	100	1	81-122/14
108-86-1	Bromobenzene	1.0	U	25	24.1	96	25	23.3	93	3	80-121/14
74-97-5	Bromochloromethane	1.0	U	25	25.5	102	25	25.9	104	2	76-123/14
75-27-4	Bromodichloromethane	1.0	U	25	28.1	112	25	27.0	108	4	79-123/19
75-25-2	Bromoform	1.0	U	25	23.8	95	25	23.8	95	0	66-123/21
104-51-8	n-Butylbenzene	1.0	U	25	25.2	101	25	24.3	97	4	79-126/16
135-98-8	sec-Butylbenzene	1.0	U	25	25.2	101	25	24.5	98	3	83-133/16
98-06-6	tert-Butylbenzene	1.0	U	25	26.4	106	25	25.9	104	2	80-133/16
108-90-7	Chlorobenzene	1.0	U	25	25.9	104	25	25.7	103	1	82-124/14
75-00-3	Chloroethane	2.0	U	25	24.0	96	25	24.9	100	4	62-144/20
67-66-3	Chloroform	1.0	U	25	28.6	114	25	28.3	113	1	80-124/15
95-49-8	o-Chlorotoluene	1.0	U	25	25.4	102	25	24.5	98	4	81-127/15
106-43-4	p-Chlorotoluene	1.0	U	25	25.5	102	25	25.1	100	2	83-130/15
110-75-8	2-Chloroethyl vinyl ether	5.0	U	125	3.5	3*	125	ND	0*	200*	56-122/23
75-15-0	Carbon disulfide	2.0	U	25	20.9	84	25	19.8	79	5	66-148/23
56-23-5	Carbon tetrachloride	1.0	U	25	32.4	130	25	31.4	126	3	76-136/23
75-34-3	1,1-Dichloroethane	1.0	U	25	26.4	106	25	26.1	104	1	81-122/15
75-35-4	1,1-Dichloroethylene	1.0	U	25	32.7	131	25	31.8	127	3	78-137/18
563-58-6	1,1-Dichloropropene	1.0	U	25	29.5	118	25	28.5	114	3	79-131/16
96-12-8	1,2-Dibromo-3-chloropropane	2.0	U	25	26.8	107	25	27.9	112	4	64-123/18
106-93-4	1,2-Dibromoethane	1.0	U	25	24.3	97	25	24.6	98	1	75-120/13
107-06-2	1,2-Dichloroethane	1.0	U	25	30.9	124	25	30.4	122	2	75-125/14
78-87-5	1,2-Dichloropropane	1.0	U	25	24.3	97	25	23.3	93	4	76-124/14
142-28-9	1,3-Dichloropropane	1.0	U	25	23.3	93	25	23.4	94	0	80-118/13
594-20-7	2,2-Dichloropropane	1.0	U	25	33.6	134	25	32.4	130	4	74-139/17
124-48-1	Dibromochloromethane	1.0	U	25	23.9	96	25	23.3	93	3	78-122/19
75-71-8	Dichlorodifluoromethane	2.0	U	25	30.9	124	25	29.9	120	3	42-167/19
156-59-2	cis-1,2-Dichloroethylene	1.0	U	25	25.1	100	25	25.1	100	0	78-120/15
10061-01-5	cis-1,3-Dichloropropene	1.0	U	25	24.2	97	25	22.7	91	6	75-118/23
541-73-1	m-Dichlorobenzene	1.0	U	25	25.3	101	25	25.1	100	1	84-125/14
95-50-1	o-Dichlorobenzene	1.0	U	25	25.8	103	25	25.8	103	0	82-124/14
106-46-7	p-Dichlorobenzene	1.0	U	25	23.6	94	25	23.1	92	2	78-120/15
156-60-5	trans-1,2-Dichloroethylene	1.0	U	25	27.6	110	25	26.9	108	3	76-127/17

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA15635
Account: ERMNCR ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA15620-1MS	N0077245.D	1	06/17/14	RB	n/a	n/a	VN3381
FA15620-1MSD	N0077246.D	1	06/17/14	RB	n/a	n/a	VN3381
FA15620-1	N0077236.D	1	06/17/14	RB	n/a	n/a	VN3381

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

FA15635-4, FA15635-5, FA15635-6

CAS No.	Compound	FA15620-1 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	1.0	U	25	26.2	105	25	26.0	104	1	80-120/22
100-41-4	Ethylbenzene	1.0	U	25	25.0	100	25	24.5	98	2	81-121/14
591-78-6	2-Hexanone	10	U	125	120	96	125	123	98	2	61-129/18
87-68-3	Hexachlorobutadiene	2.0	U	25	26.9	108	25	25.8	103	4	75-142/19
98-82-8	Isopropylbenzene	1.0	U	25	28.3	113	25	27.7	111	2	83-132/15
99-87-6	p-Isopropyltoluene	1.0	U	25	24.8	99	25	24.1	96	3	79-130/16
108-10-1	4-Methyl-2-pentanone	5.0	U	125	116	93	125	118	94	2	66-122/16
74-83-9	Methyl bromide	2.0	U	25	26.0	104	25	26.4	106	2	59-143/19
74-87-3	Methyl chloride	2.0	U	25	25.8	103	25	25.2	101	2	50-159/19
74-95-3	Methylene bromide	2.0	U	25	26.7	107	25	26.7	107	0	78-119/14
75-09-2	Methylene chloride	5.0	U	25	25.1	100	25	25.0	100	0	69-135/16
78-93-3	Methyl ethyl ketone	5.0	U	125	110	88	125	111	89	1	56-143/18
1634-04-4	Methyl Tert Butyl Ether	1.0	U	25	25.1	100	25	26.3	105	5	72-117/14
91-20-3	Naphthalene	5.0	U	25	22.5	90	25	22.8	91	1	63-132/25
103-65-1	n-Propylbenzene	1.0	U	25	24.6	98	25	23.8	95	3	82-133/15
100-42-5	Styrene	1.0	U	25	24.5	98	25	24.1	96	2	78-119/23
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	25	25.6	102	25	26.0	104	2	77-122/19
71-55-6	1,1,1-Trichloroethane	1.0	U	25	32.0	128	25	31.3	125	2	75-130/16
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	25	23.2	93	25	23.8	95	3	72-120/14
79-00-5	1,1,2-Trichloroethane	1.0	U	25	23.6	94	25	23.1	92	2	76-119/14
87-61-6	1,2,3-Trichlorobenzene	1.0	U	25	25.5	102	25	25.2	101	1	68-131/25
96-18-4	1,2,3-Trichloropropane	2.0	U	25	26.7	107	25	25.9	104	3	77-120/16
120-82-1	1,2,4-Trichlorobenzene	1.0	U	25	25.2	101	25	25.3	101	0	73-129/20
95-63-6	1,2,4-Trimethylbenzene	2.0	U	25	22.8	91	25	22.3	89	2	79-120/18
108-67-8	1,3,5-Trimethylbenzene	2.0	U	25	24.1	96	25	23.6	94	2	79-120/19
127-18-4	Tetrachloroethylene	1.0	U	25	26.3	105	25	25.8	103	2	76-135/16
108-88-3	Toluene	1.0	U	25	23.8	95	25	23.0	92	3	80-120/14
79-01-6	Trichloroethylene	1.0	U	25	26.5	106	25	26.1	104	2	81-126/15
75-69-4	Trichlorofluoromethane	2.0	U	25	33.5	134	25	32.3	129	4	71-156/21
75-01-4	Vinyl chloride	1.0	U	25	25.0	100	25	25.1	100	0	69-159/18
108-05-4	Vinyl Acetate	10	U	125	174	139	125	175	140	1	43-154/14
	m,p-Xylene	2.0	U	50	50.8	102	50	49.8	100	2	79-126/15
95-47-6	o-Xylene	1.0	U	25	24.9	100	25	24.6	98	1	80-127/14

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA15635
Account: ERMNCR ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA15620-1MS	N0077245.D	1	06/17/14	RB	n/a	n/a	VN3381
FA15620-1MSD	N0077246.D	1	06/17/14	RB	n/a	n/a	VN3381
FA15620-1	N0077236.D	1	06/17/14	RB	n/a	n/a	VN3381

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

FA15635-4, FA15635-5, FA15635-6

CAS No.	Surrogate Recoveries	MS	MSD	FA15620-1	Limits
1868-53-7	Dibromofluoromethane	108%	108%	107%	83-118%
17060-07-0	1,2-Dichloroethane-D4	114%	113%	115%	79-125%
2037-26-5	Toluene-D8	96%	94%	97%	85-112%
460-00-4	4-Bromofluorobenzene	94%	95%	98%	83-118%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA15635
Account: ERMNCR ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA15635-3MS	N0077260.D	10	06/18/14	RB	n/a	n/a	VN3382
FA15635-3MSD	N0077261.D	10	06/18/14	RB	n/a	n/a	VN3382
FA15635-3	N0077258.D	10	06/18/14	RB	06/16/14	OP51989	VN3382

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

FA15635-2, FA15635-3

CAS No.	Compound	FA15635-3 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		250	261	104	250	245	98	6	81-122/14
108-90-7	Chlorobenzene	ND		250	268	107	250	255	102	5	82-124/14
67-66-3	Chloroform	ND		250	293	117	250	269	108	9	80-124/15
56-23-5	Carbon tetrachloride	ND		250	354	142*	250	314	126	12	76-136/23
75-35-4	1,1-Dichloroethylene	ND		250	333	133	250	309	124	7	78-137/18
107-06-2	1,2-Dichloroethane	ND		250	305	122	250	293	117	4	75-125/14
106-46-7	p-Dichlorobenzene	ND		250	246	98	250	230	92	7	78-120/15
78-93-3	Methyl ethyl ketone	ND		1250	956	76	1250	931	74	3	56-143/18
127-18-4	Tetrachloroethylene	ND		250	273	109	250	248	99	10	76-135/16
79-01-6	Trichloroethylene	ND		250	273	109	250	250	100	9	81-126/15
75-01-4	Vinyl chloride	ND		250	252	101	250	244	98	3	69-159/18

CAS No.	Surrogate Recoveries	MS	MSD	FA15635-3	Limits
1868-53-7	Dibromofluoromethane	106%	106%	106%	83-118%
17060-07-0	1,2-Dichloroethane-D4	115%	113%	115%	79-125%
2037-26-5	Toluene-D8	96%	96%	96%	85-112%
460-00-4	4-Bromofluorobenzene	96%	97%	98%	83-118%

* = Outside of Control Limits.

Duplicate Summary

Job Number: FA15635
Account: ERMNCR ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA15618-1LDUP	M75027.D	1	06/12/14	RB	n/a	n/a	VM3169
FA15618-1L	M75026.D	1	06/12/14	RB	06/09/14	OP51903	VM3169

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

FA15635-1L

CAS No.	Compound	FA15618-1L ug/l	Q	DUP ug/l	Q	RPD	Limits
71-43-2	Benzene	0.36	I	2.6		151*	14
75-27-4	Bromodichloromethane	1.0 U		ND		nc	19
75-25-2	Bromoform	1.0 U		ND		nc	21
108-90-7	Chlorobenzene	1.0 U		ND		nc	14
75-00-3	Chloroethane	2.0 U		ND		nc	20
67-66-3	Chloroform	1.0 U		ND		nc	15
75-15-0	Carbon disulfide	2.0 U		ND		nc	23
56-23-5	Carbon tetrachloride	1.0 U		ND		nc	23
75-34-3	1,1-Dichloroethane	1.0 U		ND		nc	15
75-35-4	1,1-Dichloroethylene	1.0 U		ND		nc	18
107-06-2	1,2-Dichloroethane	1.0 U		ND		nc	14
78-87-5	1,2-Dichloropropane	1.0 U		ND		nc	14
124-48-1	Dibromochloromethane	1.0 U		ND		nc	19
156-59-2	cis-1,2-Dichloroethylene	1.0 U		ND		nc	15
10061-01-5	cis-1,3-Dichloropropene	1.0 U		ND		nc	23
156-60-5	trans-1,2-Dichloroethylene	1.0 U		ND		nc	17
10061-02-6	trans-1,3-Dichloropropene	1.0 U		ND		nc	22
100-41-4	Ethylbenzene	1.0 U		1.4		200*	14
591-78-6	2-Hexanone	10 U		ND		nc	18
108-10-1	4-Methyl-2-pentanone	5.0 U		ND		nc	16
74-83-9	Methyl bromide	2.0 U		ND		nc	19
74-87-3	Methyl chloride	2.0 U		ND		nc	19
75-09-2	Methylene chloride	5.0 U		ND		nc	16
78-93-3	Methyl ethyl ketone	5.0 U		ND		nc	18
100-42-5	Styrene	1.0 U		ND		nc	23
71-55-6	1,1,1-Trichloroethane	1.0 U		ND		nc	16
79-34-5	1,1,2,2-Tetrachloroethane	1.0 U		ND		nc	14
79-00-5	1,1,2-Trichloroethane	1.0 U		ND		nc	14
127-18-4	Tetrachloroethylene	0.61	I	ND		200*	16
108-88-3	Toluene	2.1		9.8		129*	14
79-01-6	Trichloroethylene	1.0 U		ND		nc	15
75-01-4	Vinyl chloride	1.0 U		ND		nc	18
1330-20-7	Xylene (total)	1.3	I	12.0		161*	15

* = Outside of Control Limits.

Duplicate Summary

Job Number: FA15635
Account: ERMNCR ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA15618-1LDUP	M75027.D	1	06/12/14	RB	n/a	n/a	VM3169
FA15618-1L	M75026.D	1	06/12/14	RB	06/09/14	OP51903	VM3169

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

FA15635-1L

CAS No.	Surrogate Recoveries	DUP	FA15618-1L	Limits
1868-53-7	Dibromofluoromethane	97%	98%	83-118%
17060-07-0	1,2-Dichloroethane-D4	91%	91%	79-125%
2037-26-5	Toluene-D8	88%	89%	85-112%
460-00-4	4-Bromofluorobenzene	96%	96%	83-118%

* = Outside of Control Limits.

Duplicate Summary

Job Number: FA15635
Account: ERMNCR ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA15673-1LDUP	N0077231.D	1	06/17/14	RB	n/a	n/a	VN3380
FA15673-1L	N0077230.D	1	06/17/14	RB	06/13/14	OP51972	VN3380

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

FA15635-1L

CAS No.	Compound	FA15673-1L ug/l	Q	DUP ug/l	Q	RPD	Limits
67-64-1	Acetone	25 U		ND		nc	21

CAS No.	Surrogate Recoveries	DUP	FA15673-1L	Limits
1868-53-7	Dibromofluoromethane	104%	107%	83-118%
17060-07-0	1,2-Dichloroethane-D4	111%	112%	79-125%
2037-26-5	Toluene-D8	96%	96%	85-112%
460-00-4	4-Bromofluorobenzene	99%	98%	83-118%

(a) Associated BS recovery outside control limits.

* = Outside of Control Limits.

Duplicate Summary

Job Number: FA15635
Account: ERMNCR ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA15591-13LDUP	N0077274.D	10	06/18/14	RB	n/a	n/a	VN3382
FA15591-13L	N0077273.D	10	06/18/14	RB	06/16/14	OP51989	VN3382

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

FA15635-2, FA15635-3

CAS No.	Compound	FA15591-13LDUP ug/l	Q	ug/l	Q	RPD	Limits
71-43-2	Benzene	10 U		ND		nc	14
108-90-7	Chlorobenzene	10 U		ND		nc	14
67-66-3	Chloroform	10 U		ND		nc	15
56-23-5	Carbon tetrachloride	10 U		ND		nc	23
75-35-4	1,1-Dichloroethylene	10 U		ND		nc	18
107-06-2	1,2-Dichloroethane	10 U		ND		nc	14
106-46-7	p-Dichlorobenzene	10 U		ND		nc	15
78-93-3	Methyl ethyl ketone	50 U		ND		nc	18
127-18-4	Tetrachloroethylene	10 U		ND		nc	16
79-01-6	Trichloroethylene	10 U		ND		nc	15
75-01-4	Vinyl chloride	10 U		ND		nc	18

CAS No.	Surrogate Recoveries	DUP	FA15591-13L	Limits
1868-53-7	Dibromofluoromethane	107%	106%	83-118%
17060-07-0	1,2-Dichloroethane-D4	118%	116%	79-125%
2037-26-5	Toluene-D8	95%	94%	85-112%
460-00-4	4-Bromofluorobenzene	97%	99%	83-118%

(a) Associated BS recovery outside control limits.

* = 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: FA15635
Account: ERMNCR - ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

QC Batch ID: MP27417
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:					06/17/14		06/17/14
Metal	RL	IDL	MDL	MB raw	final	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	-1.2	<300	9.2	<300
Lead	5.0	1.1	1.1				
Magnesium	5000	50	56				
Manganese	15	.5	1	0.0	<15	0.90	<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 MP27417: FA15635-4, FA15635-5

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: FA15635
Account: ERMNCR - ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

QC Batch ID: MP27417
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:	06/17/14							06/17/14	
Metal	FA15620-1 Original	DUP	RPD	QC Limits	FA15620-1 Original	MS	Spikelot MPFLICP2	% Rec	QC Limits
Aluminum	anr								
Antimony									
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Cadmium	anr								
Calcium									
Chromium	anr								
Cobalt									
Copper	anr								
Iron	173	159	8.4	0-20	173	26800	26000	102.4	80-120
Lead	anr								
Magnesium									
Manganese	7140	7160	0.3	0-20	7140	7570	500	86.0	80-120
Molybdenum									
Nickel	anr								
Potassium									
Selenium	anr								
Silver	anr								
Sodium									
Strontium									
Thallium									
Tin									
Titanium									
Vanadium	anr								
Zinc									

Associated samples MP27417: FA15635-4, FA15635-5

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: FA15635
Account: ERMNCR - ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

QC Batch ID: MP27417 | Methods: SW846 6010C
Matrix Type: AQUEOUS | Units: ug/l

Prep Date: 06/17/14

Metal	FA15620-1 Original	MSD	Spikelot MPFLICP2	% Rec	MSD RPD	QC Limit
Aluminum	anr					
Antimony						
Arsenic	anr					
Barium	anr					
Beryllium	anr					
Cadmium	anr					
Calcium						
Chromium	anr					
Cobalt						
Copper	anr					
Iron	173	26000	26000	99.3	3.0	20
Lead	anr					
Magnesium						
Manganese	7140	7430	500	58.0 (a)	1.9	20
Molybdenum						
Nickel	anr					
Potassium						
Selenium	anr					
Silver	anr					
Sodium						
Strontium						
Thallium						
Tin						
Titanium						
Vanadium	anr					
Zinc						

Associated samples MP27417: FA15635-4, FA15635-5

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 amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA15635
Account: ERMNCR - ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

QC Batch ID: MP27417
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 06/17/14

Metal	BSP Result	Spikelot MPFLICP2	% Rec	QC Limits
Aluminum	anr			
Antimony				
Arsenic	anr			
Barium	anr			
Beryllium	anr			
Cadmium	anr			
Calcium				
Chromium	anr			
Cobalt				
Copper	anr			
Iron	27400	26000	105.4	80-120
Lead	anr			
Magnesium				
Manganese	526	500	105.2	80-120
Molybdenum				
Nickel	anr			
Potassium				
Selenium	anr			
Silver	anr			
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium	anr			
Zinc				

Associated samples MP27417: FA15635-4, FA15635-5

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

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA15635
Account: ERMNCR - ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

QC Batch ID: MP27417
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 06/17/14

Metal	FA15620-1 Original	SDL 1:5	%DIF	QC Limits
Aluminum	anr			
Antimony				
Arsenic	anr			
Barium	anr			
Beryllium	anr			
Cadmium	anr			
Calcium				
Chromium	anr			
Cobalt				
Copper	anr			
Iron	173	150	13.4 (a)	0-10
Lead	anr			
Magnesium				
Manganese	7140	8050	12.6*(b)	0-10
Molybdenum				
Nickel	anr			
Potassium				
Selenium	anr			
Silver	anr			
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium	anr			
Zinc				

Associated samples MP27417: FA15635-4, FA15635-5

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).
(b) Serial dilution indicates possible matrix interference.

POST DIGESTATE SPIKE SUMMARY

Login Number: FA15635
Account: ERMNCR - ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

QC Batch ID: MP27417
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 06/17/14

Metal	Sample ml	Final ml	FA15620-1 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	173.3	169.834	3048	0.2	150	3000	95.9	80-120
Lead										
Magnesium										
Manganese	9.8	10	7144	7001.12	6989	0.2	2.5	50	-24.2*(a	80-120
Molybdenum										
Nickel										
Potassium										
Selenium										
Silver										
Sodium										
Strontium										
Thallium										
Tin										
Titanium										
Vanadium										
Zinc										

Associated samples MP27417: FA15635-4, FA15635-5

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

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: FA15635
Account: ERMNCR - ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Nitrogen, Nitrate	GP24124/GN61781	0.10	0.0	mg/l	2.5	2.34	93.6	90-110%
Nitrogen, Nitrite	GP24124/GN61781	0.10	0.0	mg/l	2.5	2.55	102.0	90-110%
Sulfate	GP24124/GN61781	2.0	0.0	mg/l	50	47.3	94.6	90-110%
Sulfide	GN61774			mg/l	13.3	13.2	99.3	76-112%
Sulfide	GN61774	1.0	0.0	mg/l	13.3	13.6	103.0	76-112%
Total Organic Carbon	GP24139/GN61820	1.0	0.0	mg/l	15	13.8	92.0	90-110%

Associated Samples:
Batch GN61774: FA15635-4, FA15635-5
Batch GP24124: FA15635-4, FA15635-5
Batch GP24139: FA15635-4, FA15635-5
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA15635
Account: ERMNCR - ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Solids, Percent	GN61818	FA15645-1	%	84.5	84.4	0.1	0-5%
Total Organic Carbon	GP24139/GN61820	FA15635-4	mg/l	2.9	2.9	0.0	0-20%

Associated Samples:
Batch GN61818: FA15635-1
Batch GP24139: FA15635-4, FA15635-5
(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA15635
Account: ERMNCR - ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Nitrogen, Nitrate	GP24124/GN61781	FA15635-5	mg/l	0.050 U	2.5	2.4	96.0	90-110%
Nitrogen, Nitrite	GP24124/GN61781	FA15635-5	mg/l	0.050 U	2.5	2.6	104.0	90-110%
Sulfate	GP24124/GN61781	FA15635-5	mg/l	43.9	50	86.1	84.4N(a)	90-110%
Total Organic Carbon	GP24139/GN61820	FA15635-4	mg/l	2.9	15	16.9	93.3	90-110%

Associated Samples:
Batch GP24124: FA15635-4, FA15635-5
Batch GP24139: FA15635-4, FA15635-5
(*) 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: FA15635
Account: ERMNCR - ERM
Project: ECI Whitsett; 1239 Rock Creek Dairy Rd, Whitsett, NC

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MSD Result	RPD	QC Limit
Nitrogen, Nitrate	GP24124/GN61781	FA15635-5	mg/l	0.050 U	2.5	2.4	0.0	20%
Nitrogen, Nitrite	GP24124/GN61781	FA15635-5	mg/l	0.050 U	2.5	2.7	3.8	20%
Sulfate	GP24124/GN61781	FA15635-5	mg/l	43.9	50	86.0	0.1	20%

Associated Samples:
Batch GP24124: FA15635-4, FA15635-5
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits